

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\
 Data File : VD058178.D
 Acq On : 18 Jun 2018 13:49
 Operator : VA/AP
 Sample : VD0618SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

Quant Time: Jun 19 05:48:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	839299	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	1092785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	891668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	464984	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	392584	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	5.54	113	433004	51.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	8.71	98	964521	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
62) 4-Bromofluorobenzene	11.93	95	412971	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	227296	20.18	ug/l	95
3) Chloromethane	1.48	50	111025	20.01	ug/l	98
4) Vinyl Chloride	1.55	62	106150	19.77	ug/l	100
5) Bromomethane	1.79	94	33685	16.00	ug/l	97
6) Chloroethane	1.87	64	36370	17.17	ug/l #	80
7) Trichlorofluoromethane	2.07	101	145628	19.84	ug/l	97
8) Diethyl Ether	2.34	74	30111	22.08	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.55	101	90306	20.62	ug/l	94
10) Methyl Iodide	2.68	142	104430	18.48	ug/l	95
11) Tert butyl alcohol	3.27	59	27928	124.25	ug/l #	91
12) 1,1-Dichloroethene	2.54	96	70214	20.86	ug/l #	84
13) Acrolein	2.47	56	24682	76.67	ug/l	99
14) Allyl chloride	2.91	41	158914	20.47	ug/l	95
15) Acrylonitrile	3.35	53	79223	60.25	ug/l	89
16) Acetone	2.61	43	120775	99.90	ug/l	93
17) Carbon Disulfide	2.74	76	242779	19.91	ug/l	99
18) Methyl Acetate	2.93	43	47875	20.47	ug/l	99
19) Methyl tert-butyl Ether	3.40	73	199360	13.46	ug/l	96
20) Methylene Chloride	3.06	84	80273	22.96	ug/l	90
21) trans-1,2-Dichloroethene	3.37	96	72487	9.67	ug/l #	82
22) Diisopropyl ether	4.06	45	627042	20.38	ug/l	99
23) Vinyl Acetate	4.01	43	1752437	110.25	ug/l	98
24) 1,1-Dichloroethane	3.96	63	353419	20.90	ug/l	99
25) 2-Butanone	4.83	43	284094	103.41	ug/l #	89
26) 2,2-Dichloropropane	4.79	77	300074	21.55	ug/l	93
27) cis-1,2-Dichloroethene	4.80	96	188479	21.20	ug/l	93
28) Bromochloromethane	5.14	49	155180	21.21	ug/l	96
29) Tetrahydrofuran	5.18	42	148102	102.83	ug/l	97
30) Chloroform	5.32	83	362933	21.33	ug/l	100
31) Cyclohexane	5.59	56	292632	20.06	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	288402	20.24	ug/l	99
36) 1,1-Dichloropropene	5.74	75	255217	21.20	ug/l	99
37) Ethyl Acetate	4.92	43	131815	20.06	ug/l #	93
38) Carbon Tetrachloride	5.72	117	258701	21.80	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	261523	21.91	ug/l	95
40) Benzene	6.01	78	605753	21.54	ug/l	98
41) Methacrylonitrile	5.12	41	70941	23.62	ug/l #	90
42) 1,2-Dichloroethane	6.12	62	240691	21.17	ug/l	100
43) Isopropyl Acetate	7.62	43	181371	21.08	ug/l #	98
44) Trichloroethene	6.98	130	176132	21.44	ug/l	98
45) 1,2-Dichloropropane	7.34	63	161410	20.65	ug/l	98
46) Dibromomethane	7.46	93	111970	22.30	ug/l	98
47) Bromodichloromethane	7.73	83	258491	21.99	ug/l	99
48) Methyl methacrylate	7.51	41	107919	20.38	ug/l	92
49) 1,4-Dioxane	7.50	88	21897	499.08	ug/l #	78
51) 4-Methyl-2-Pentanone	8.59	43	606781	109.94	ug/l	99
52) Toluene	8.80	92	344301	21.33	ug/l	92
53) t-1,3-Dichloropropene	9.18	75	218870	21.61	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	255412	21.40	ug/l	99
55) 1,1,2-Trichloroethane	9.45	97	119206	22.82	ug/l	96
56) Ethyl methacrylate	9.31	69	139533	21.77	ug/l	95
57) 1,3-Dichloropropane	9.66	76	204284	22.30	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	366273	113.13	ug/l	95
59) 2-Hexanone	9.78	43	440213	108.84	ug/l	99
60) Dibromochloromethane	9.96	129	162298	22.03	ug/l	94
61) 1,2-Dibromoethane	10.09	107	130277	21.69	ug/l	96
64) Tetrachloroethene	9.51	164	174096	21.84	ug/l	97
65) Chlorobenzene	10.72	112	395597	21.92	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	150157	21.65	ug/l	93
67) Ethyl Benzene	10.85	91	708452	21.72	ug/l	99
68) m/p-Xylenes	11.01	106	488044	45.91	ug/l	91
69) o-Xylene	11.41	106	218418	20.70	ug/l	99
70) Styrene	11.43	104	385950	22.09	ug/l	99
71) Bromoform	11.59	173	117782	22.58	ug/l #	94
73) Isopropylbenzene	11.77	105	671266	21.80	ug/l	100
74) N-amyl acetate	11.64	43	246193	20.72	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	141746	21.11	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	150286	21.52	ug/l	97
77) Bromobenzene	12.04	156	193596	21.24	ug/l	96
78) n-propylbenzene	12.15	91	851457	21.25	ug/l	100
79) 2-Chlorotoluene	12.21	91	489640	21.42	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	514180	21.41	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	36911	21.34	ug/l	95
82) 4-Chlorotoluene	12.32	91	546384	22.85	ug/l	98
83) tert-Butylbenzene	12.58	119	567275	20.92	ug/l	97
84) 1,2,4-Trimethylbenzene	12.63	105	541194	20.96	ug/l	99
85) sec-Butylbenzene	12.75	105	708621	21.65	ug/l	99
86) p-Isopropyltoluene	12.88	119	568399	21.55	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	334516	21.69	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	326864	21.75	ug/l	95
89) n-Butylbenzene	13.20	91	599708	22.85	ug/l	98
90) Hexachloroethane	13.40	117	147053	21.84	ug/l	96
91) 1,2-Dichlorobenzene	13.19	146	284241	22.81	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	22405	21.62	ug/l	90

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration

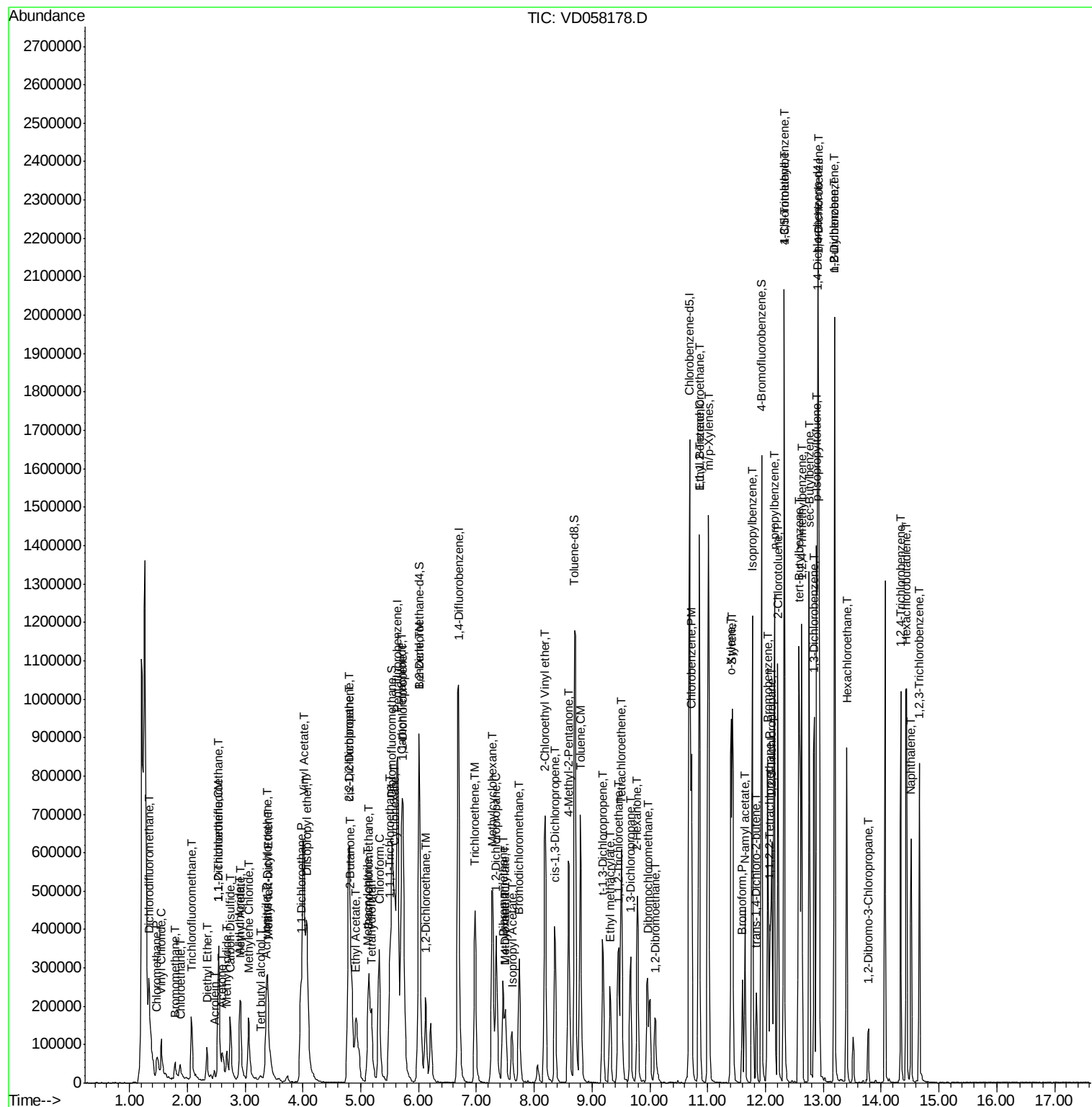
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	259062	22.25	ug/l	99
94) Hexachlorobutadiene	14.44	225	205467	22.44	ug/l	96
95) Naphthalene	14.52	128	346432	23.08	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	234827	23.67	ug/l	96

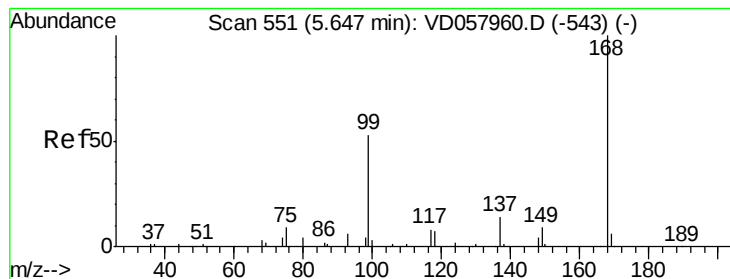
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

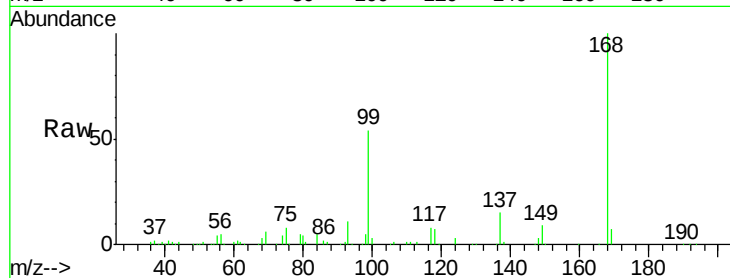
VD0618SBSD01

Tot Ion:168 Resp: 839299

Ion Ratio Lower Upper

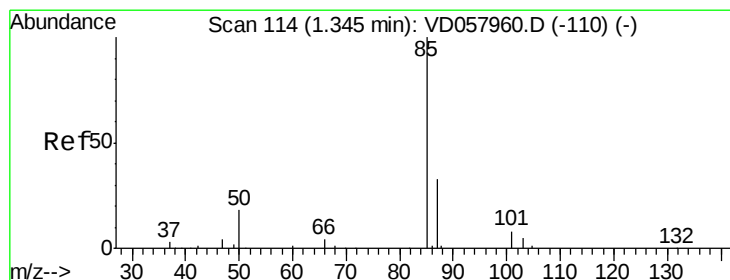
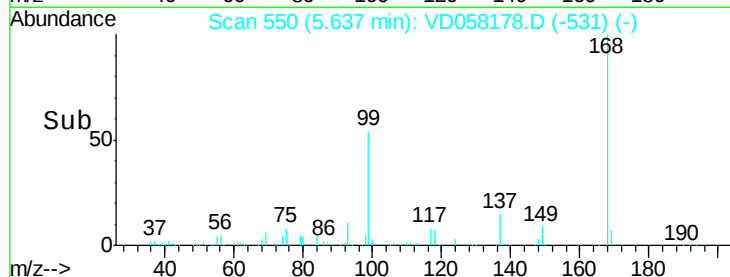
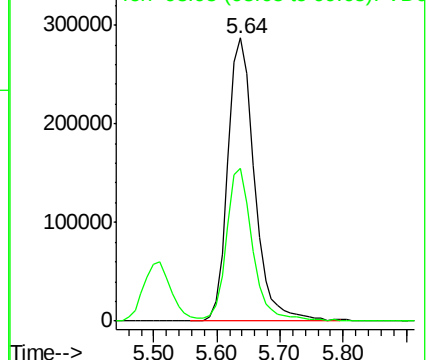
168 100

99 53.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.18 ug/l

RT: 1.34 min Scan# 113

Delta R.T. -0.01 min

Lab File: VD058178.D

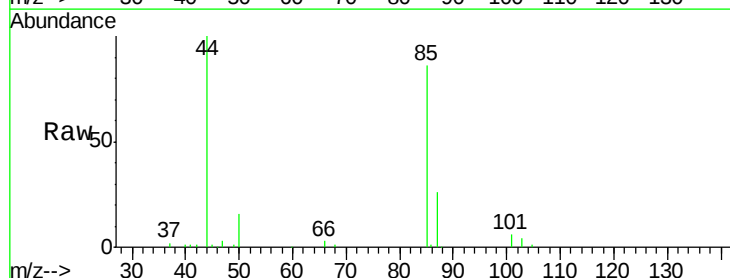
Acq: 18 Jun 2018 13:49

Tgt Ion: 85 Resp: 227296

Ion Ratio Lower Upper

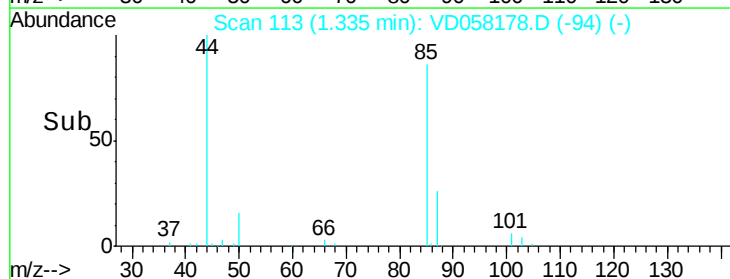
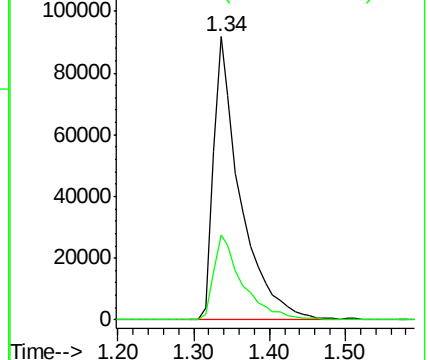
85 100

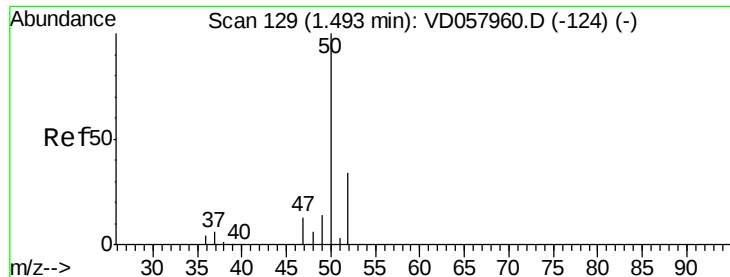
87 30.2 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.01 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

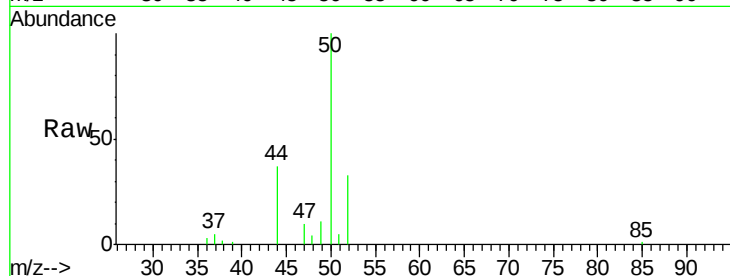
VD0618SBS01

Tot Ion: 50 Resp: 111025

Ion Ratio Lower Upper

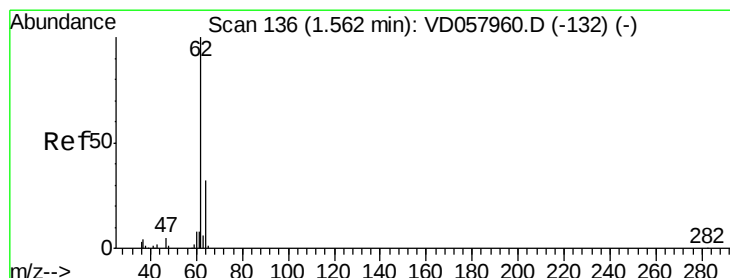
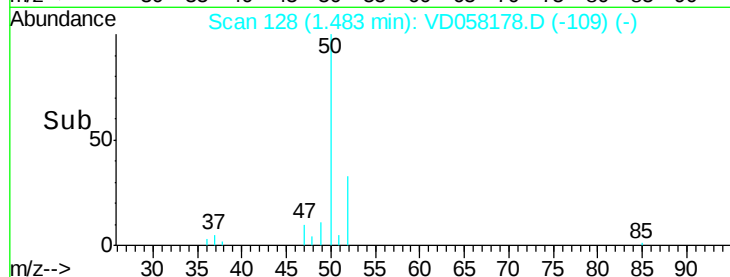
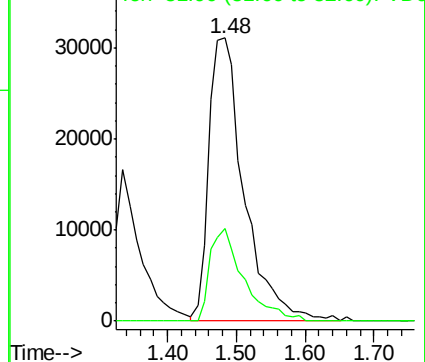
50 100

52 32.7 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.77 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.01 min

Lab File: VD058178.D

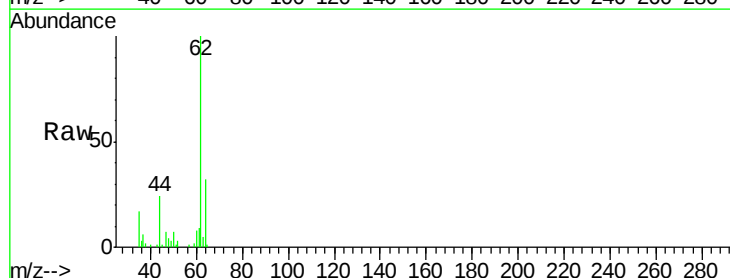
Acq: 18 Jun 2018 13:49

Tgt Ion: 62 Resp: 106150

Ion Ratio Lower Upper

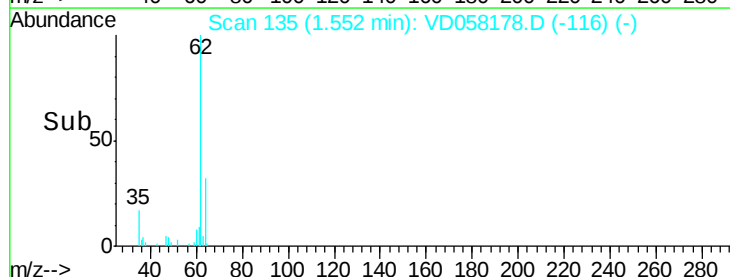
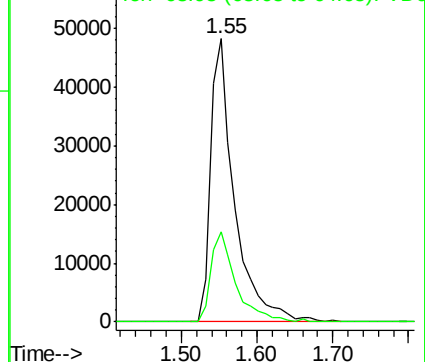
62 100

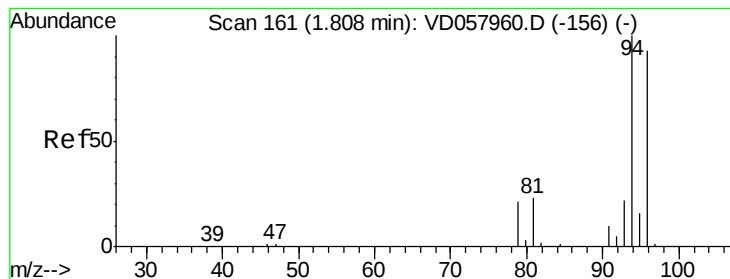
64 31.9 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.00 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

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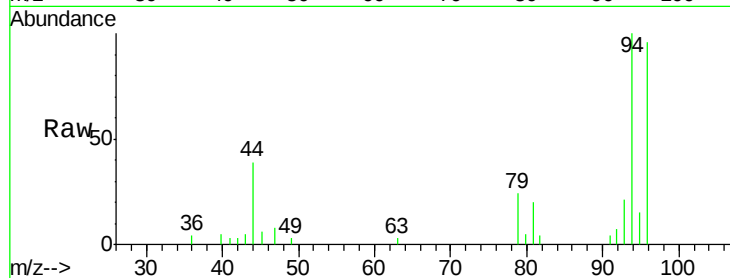
VD0618SBSD01

Tot Ion: 94 Resp: 33685

Ion Ratio Lower Upper

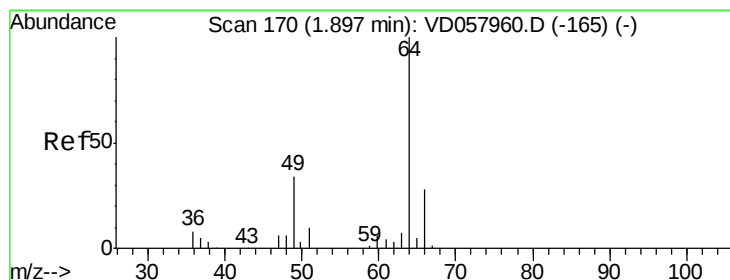
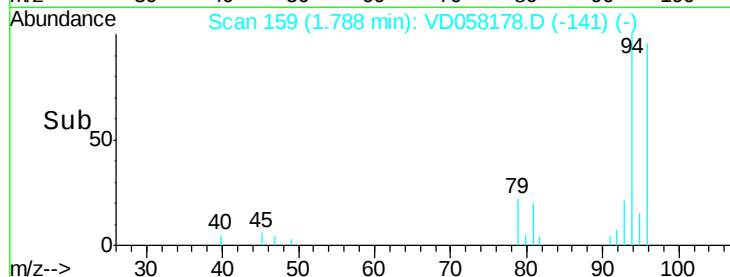
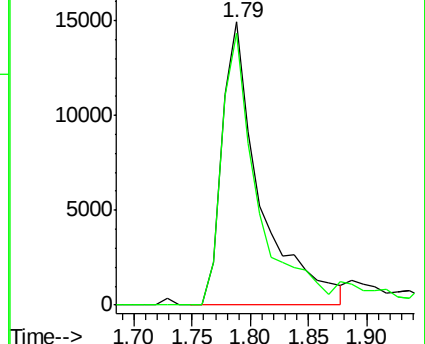
94 100

96 95.8 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.17 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.03 min

Lab File: VD058178.D

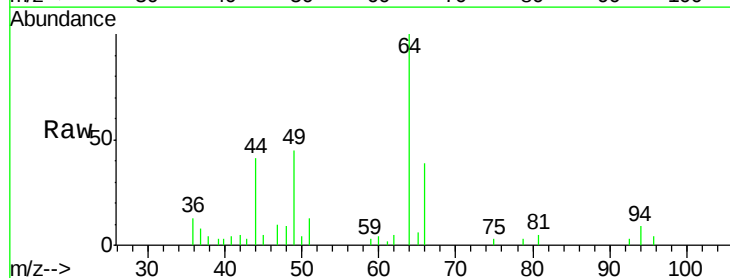
Acq: 18 Jun 2018 13:49

Tgt Ion: 64 Resp: 36370

Ion Ratio Lower Upper

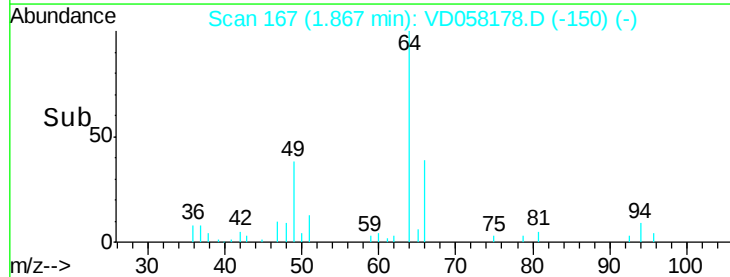
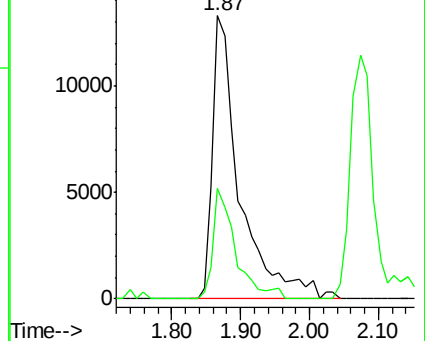
64 100

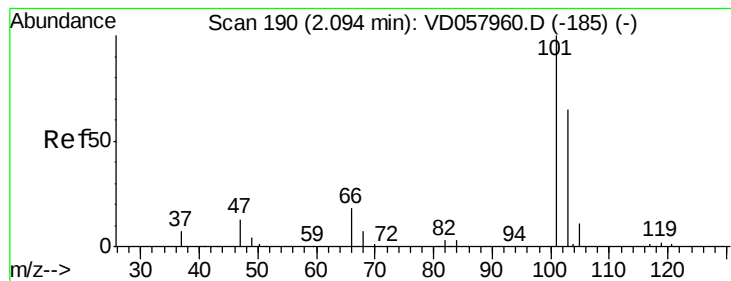
66 39.2 22.8 34.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



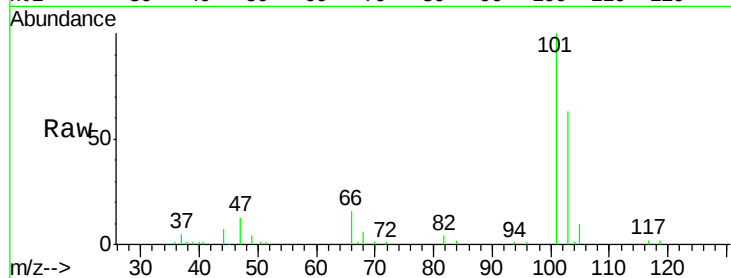


#7

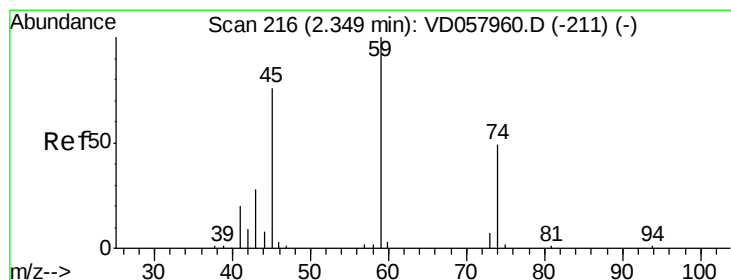
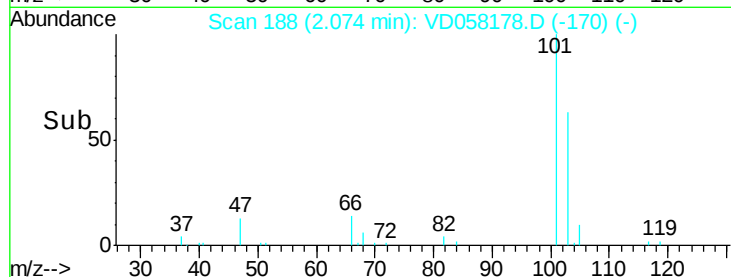
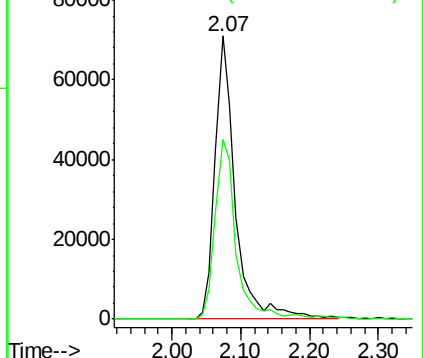
Trichlorofluoromethane
 Concen: 19.84 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.02 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Instrument :
 MSVOA_D
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 VD0618SBS01

Tot Ion:101 Resp: 145628
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.4 78.6



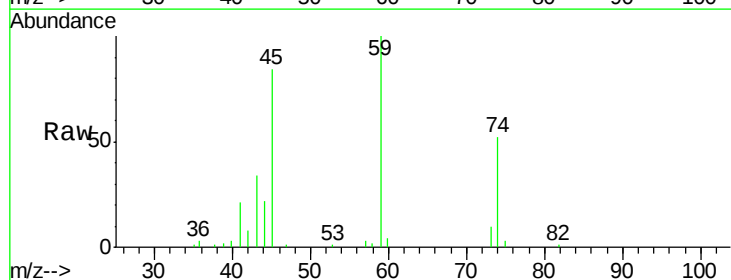
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



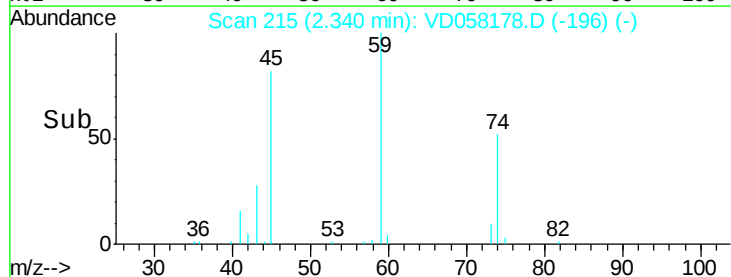
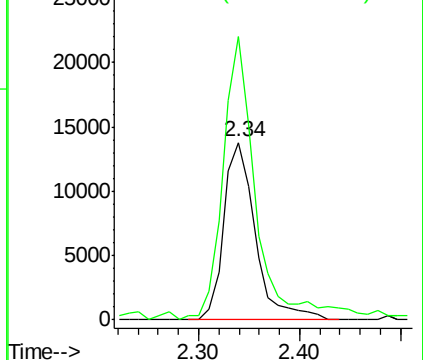
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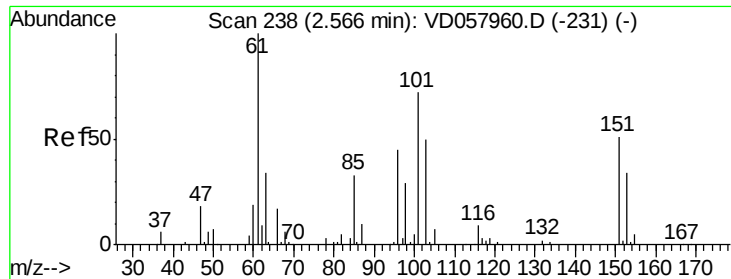
Diethyl Ether
 Concen: 22.08 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. -0.01 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion: 74 Resp: 30111
 Ion Ratio Lower Upper
 74 100
 45 159.4 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.62 ug/l

RT: 2.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

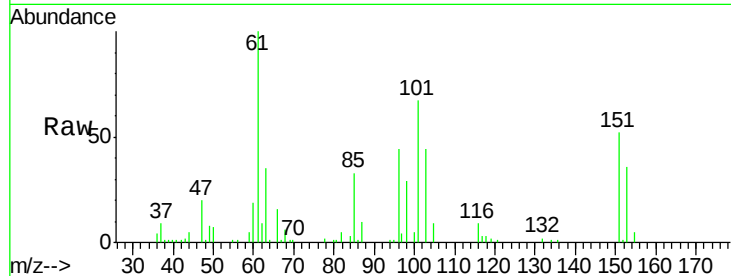
Tot Ion:101 Resp: 90306

Ion Ratio Lower Upper

101 100

85 49.5 37.3 55.9

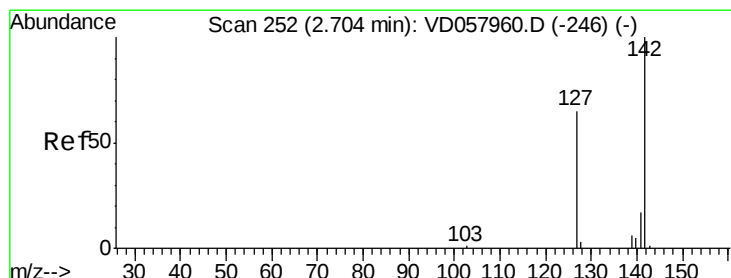
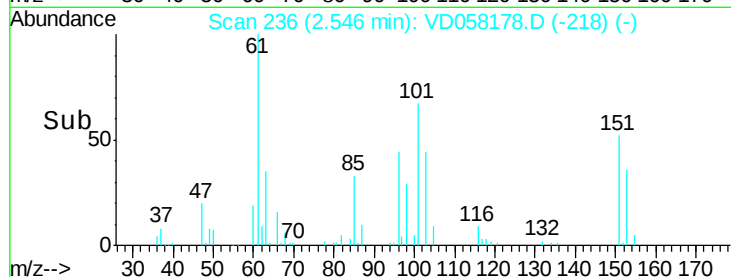
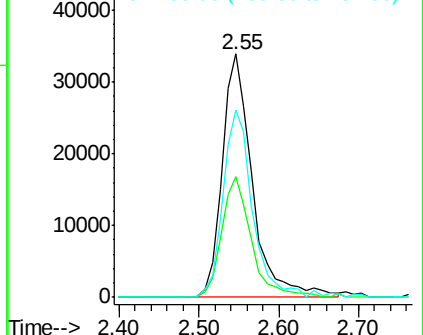
151 77.2 57.0 85.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.48 ug/l

RT: 2.68 min Scan# 250

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

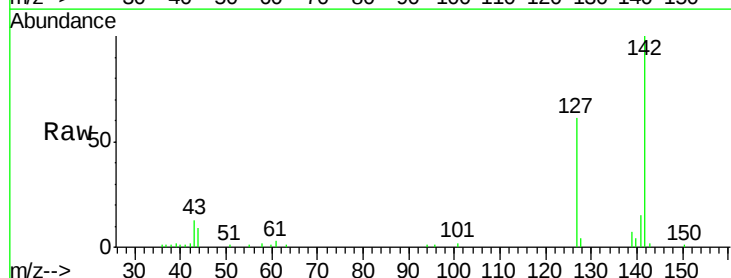
Tgt Ion:142 Resp: 104430

Ion Ratio Lower Upper

142 100

127 61.0 52.0 78.0

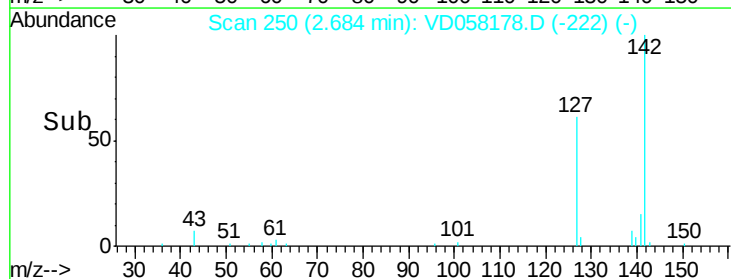
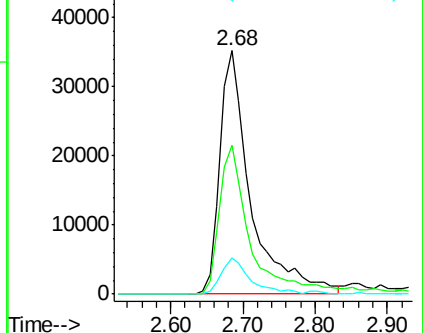
141 15.1 13.2 19.8

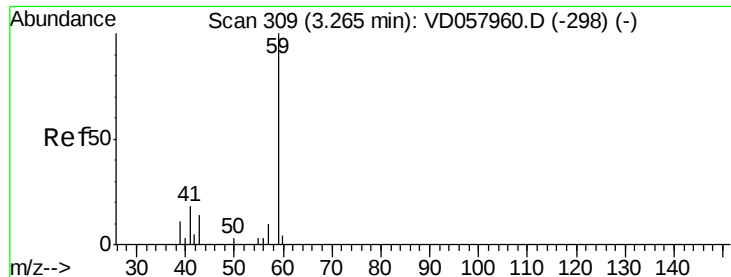


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



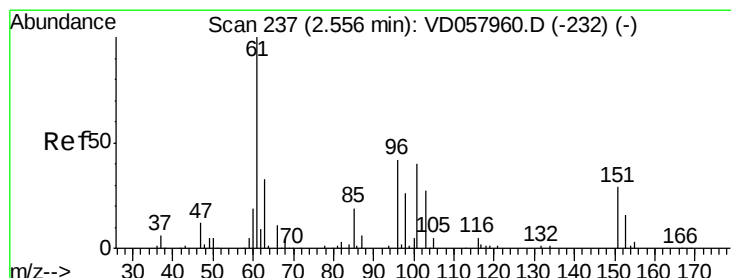
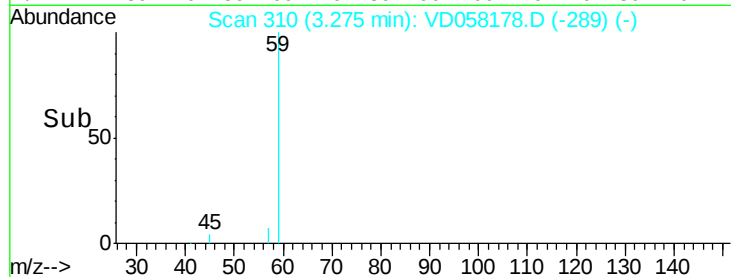
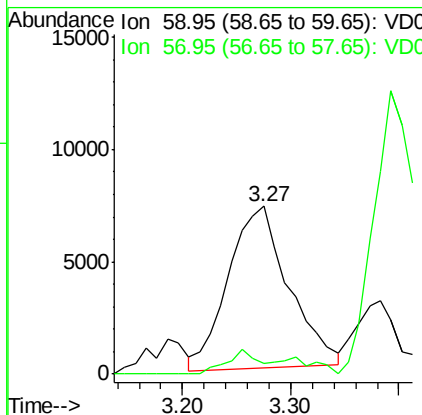
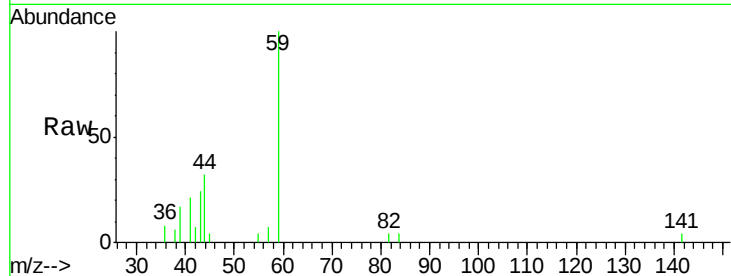


#11

Tert butyl alcohol
 Concen: 124.25 ug/l
 RT: 3.27 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBSD01

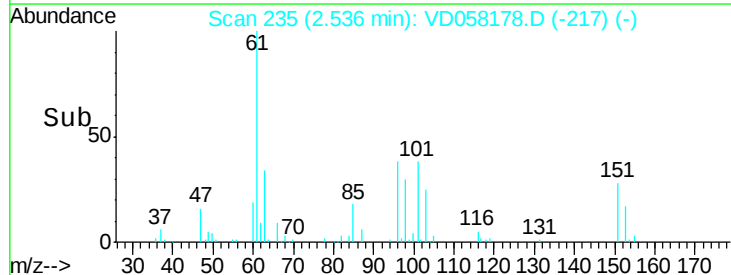
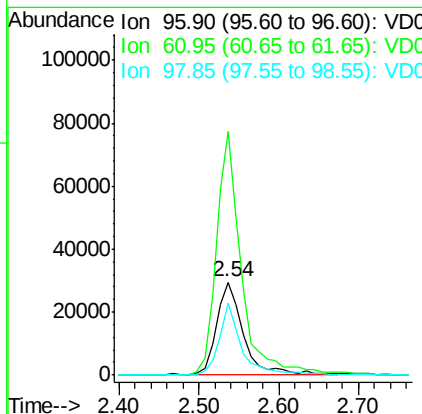
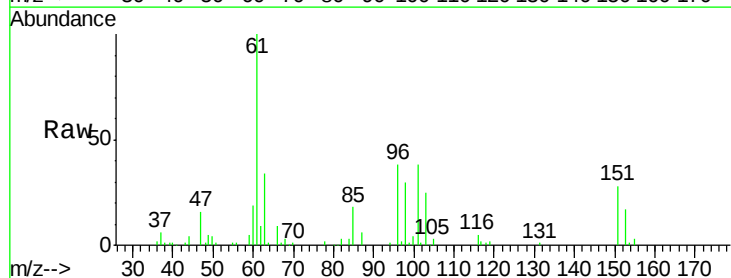
Tot Ion: 59 Resp: 27928
 Ion Ratio Lower Upper
 59 100
 57 6.5 7.8 11.6#

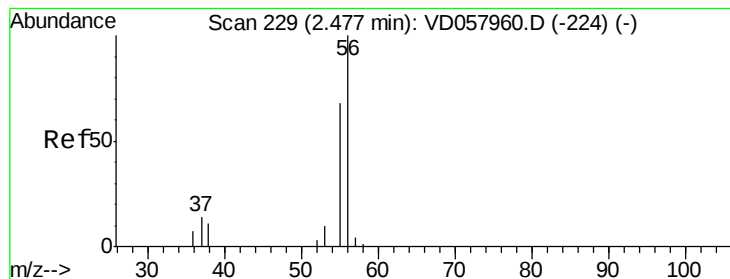


#12

1,1-Dichloroethene
 Concen: 20.86 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. -0.02 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion: 96 Resp: 70214
 Ion Ratio Lower Upper
 96 100
 61 262.4 190.2 285.4
 98 77.8 49.6 74.4#





#13

Acrolein

Concen: 76.67 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

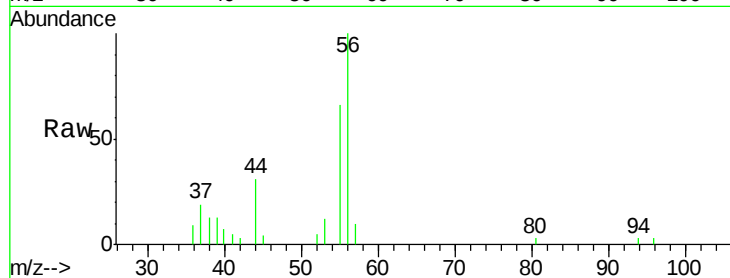
VD0618SBS01

Tot Ion: 56 Resp: 24682

Ion Ratio Lower Upper

56 100

55 66.3 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.47

12000

10000

8000

6000

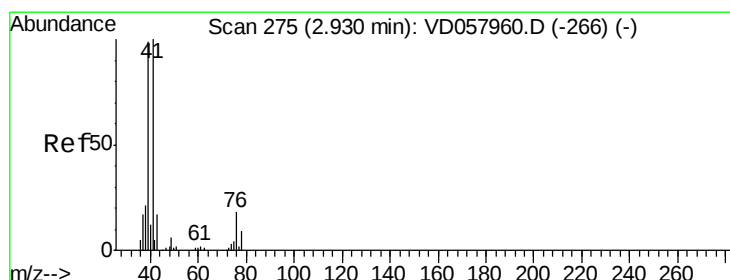
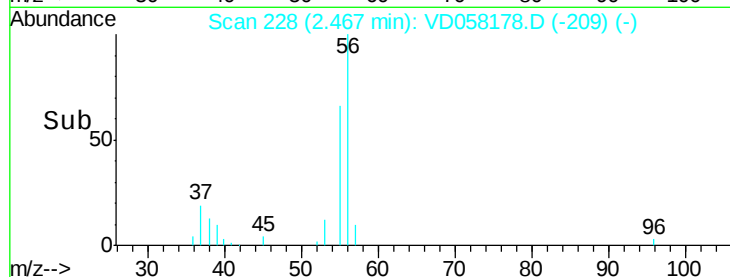
4000

2000

0

Time-->

2.40 2.50 2.60



#14

Allyl chloride

Concen: 20.47 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

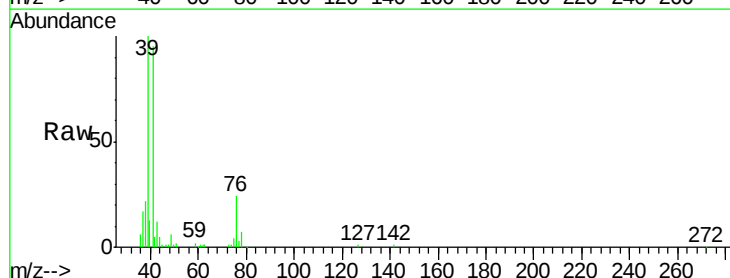
Tgt Ion: 41 Resp: 158914

Ion Ratio Lower Upper

41 100

39 104.9 79.5 119.3

76 25.2 20.7 31.1



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

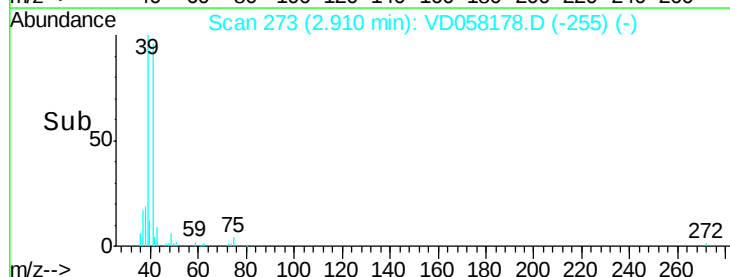
100000

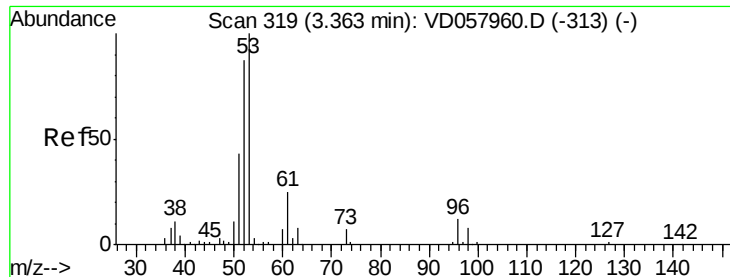
50000

0

Time-->

2.80 2.90 3.00





#15

Acrylonitrile

Concen: 60.25 ug/l

RT: 3.35 min Scan# 318

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

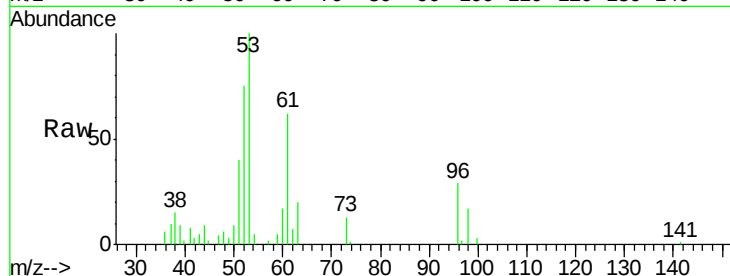
Tot Ion: 53 Resp: 79223

Ion Ratio Lower Upper

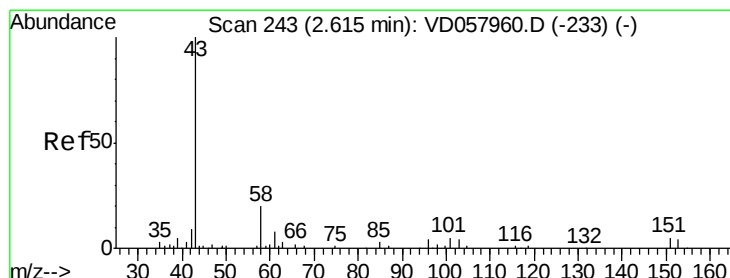
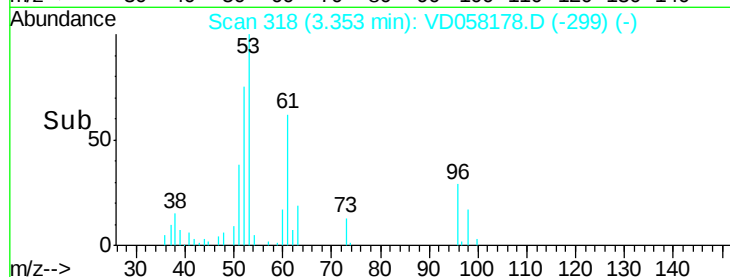
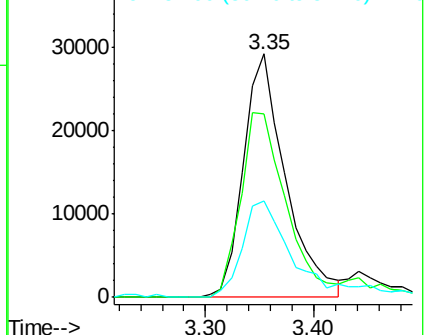
53 100

52 75.2 69.9 104.9

51 39.6 34.3 51.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 99.90 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058178.D

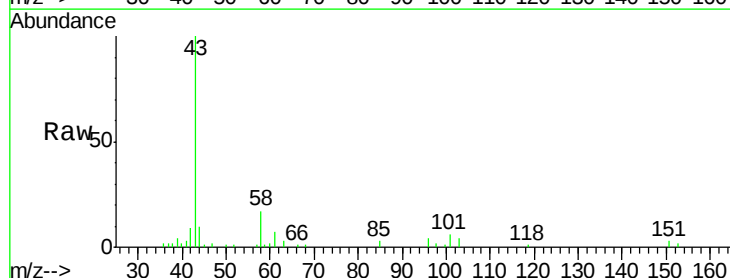
Acq: 18 Jun 2018 13:49

Tgt Ion: 43 Resp: 120775

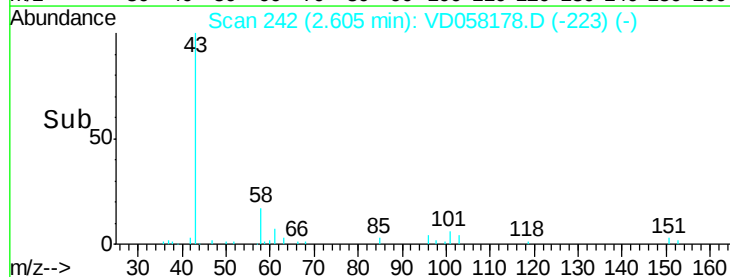
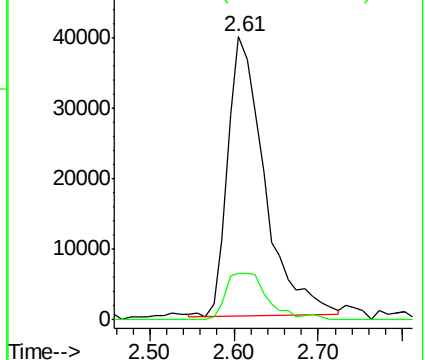
Ion Ratio Lower Upper

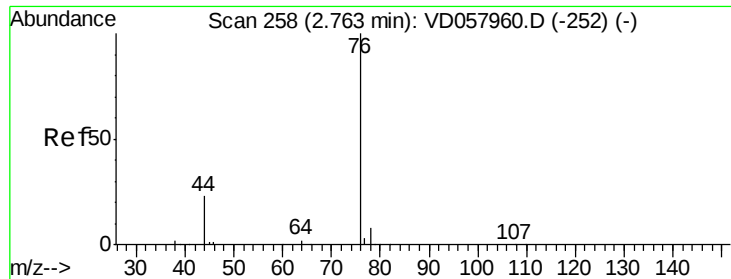
43 100

58 16.6 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

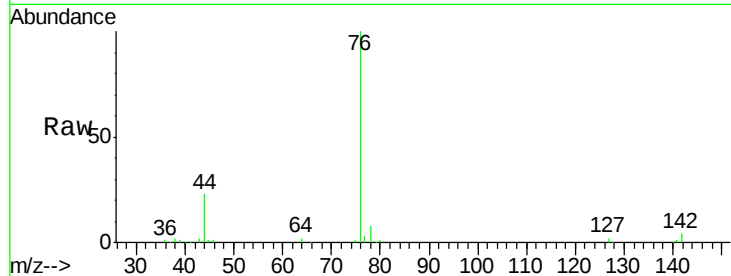




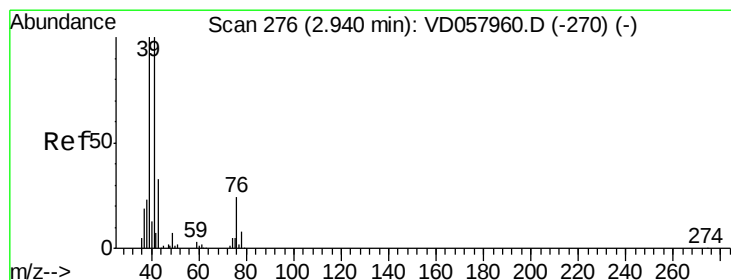
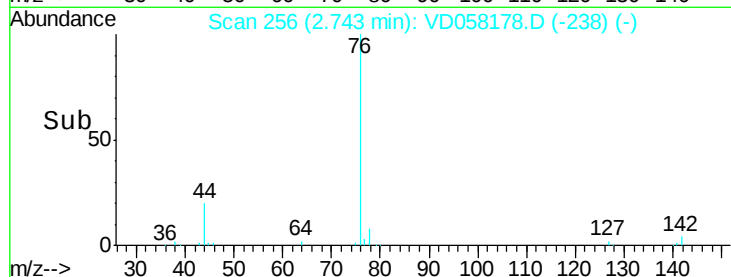
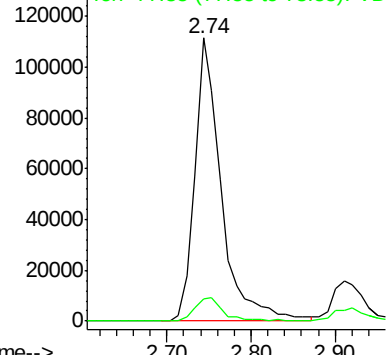
#17
Carbon Disulfide
Concen: 19.91 ug/l
RT: 2.74 min Scan# 256
Delta R.T. -0.02 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD01

Tot Ion: 76 Resp: 242779
Ion Ratio Lower Upper
76 100
78 8.0 6.7 10.1

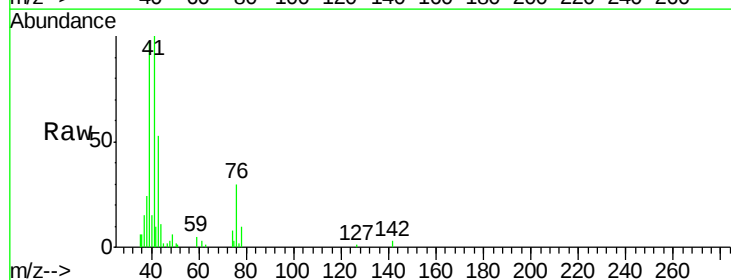


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

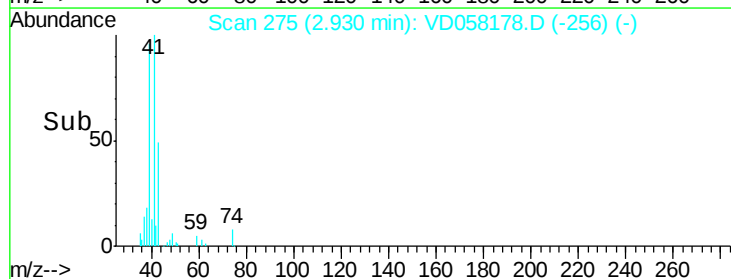
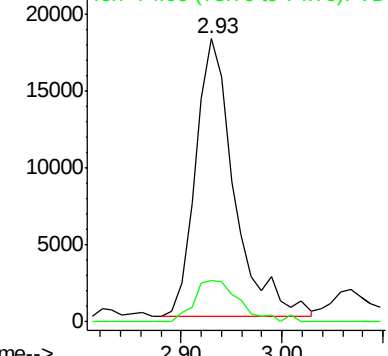


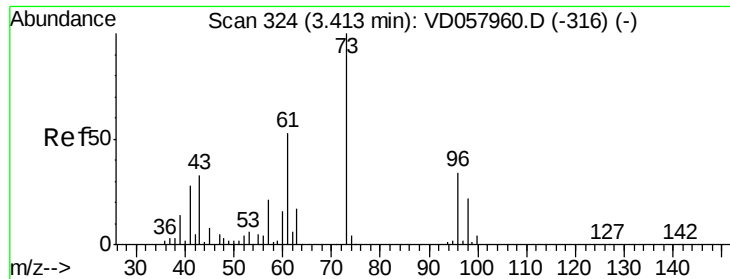
#18
Methyl Acetate
Concen: 20.47 ug/l
RT: 2.93 min Scan# 275
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 43 Resp: 47875
Ion Ratio Lower Upper
43 100
74 14.6 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

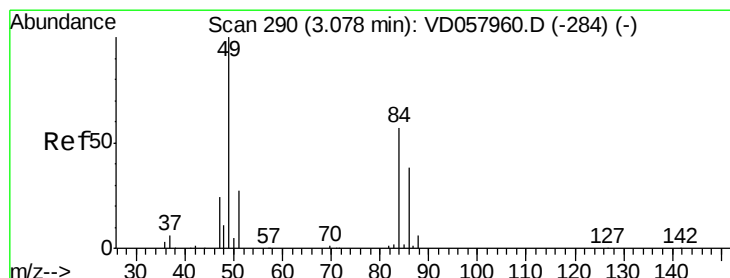
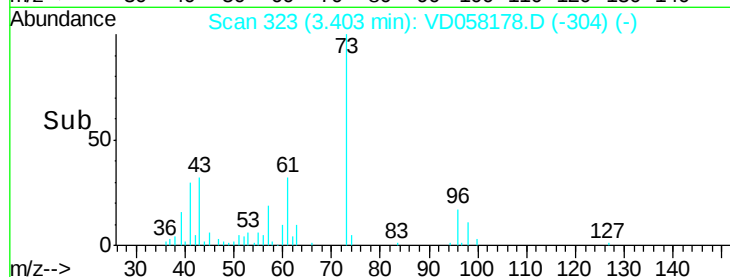
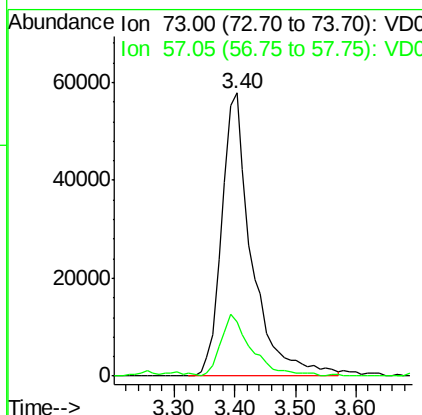
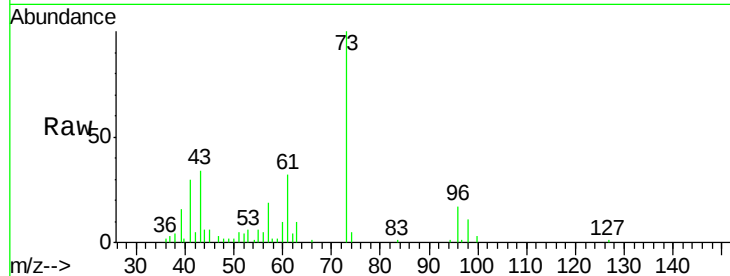




#19
Methyl tert-butyl Ether
Concen: 13.46 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

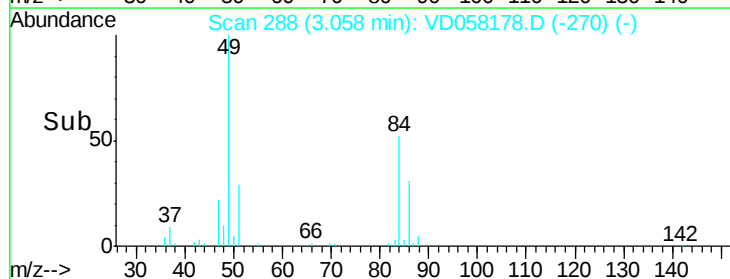
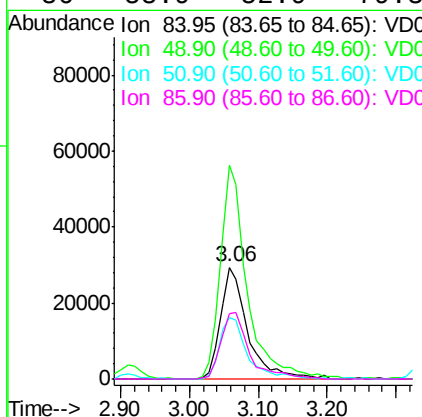
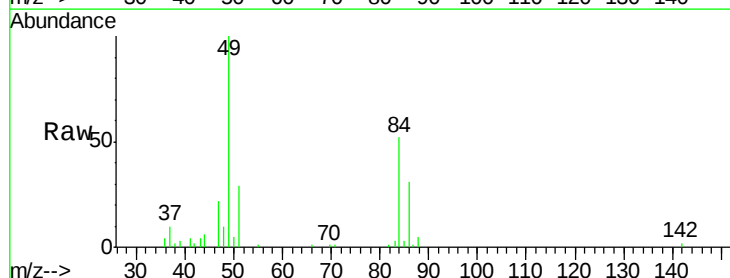
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

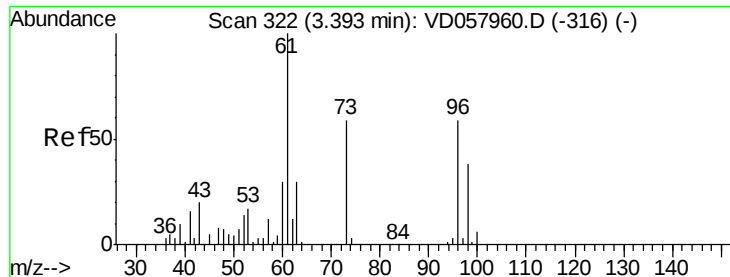
Tot Ion: 73 Resp: 199360
Ion Ratio Lower Upper
73 100
57 19.1 16.7 25.1



#20
Methylene Chloride
Concen: 22.96 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.02 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 84 Resp: 80273
Ion Ratio Lower Upper
84 100
49 191.1 141.4 212.0
51 55.2 38.3 57.5
86 58.9 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 9.67 ug/l

RT: 3.37 min Scan# 320

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBSD01

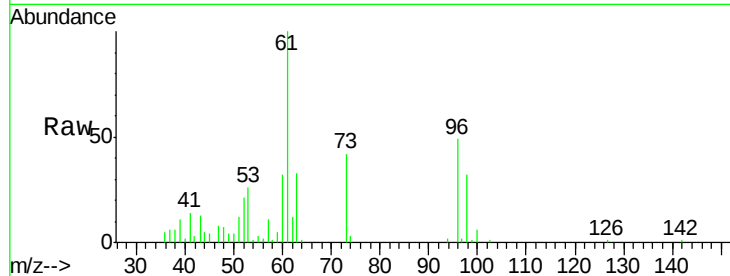
Tot Ion: 96 Resp: 72487

Ion Ratio Lower Upper

96 100

61 203.5 135.2 202.8#

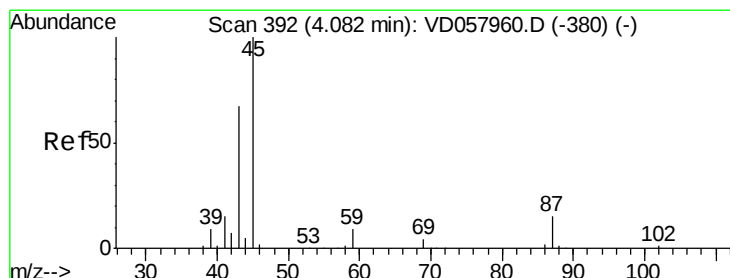
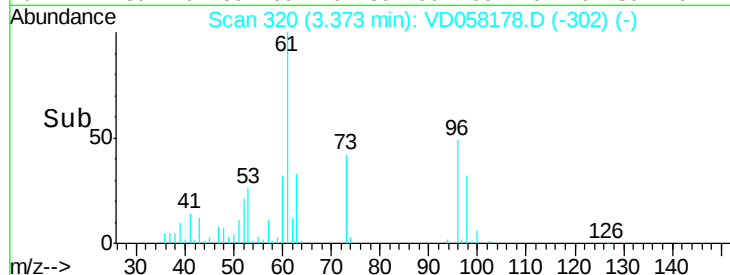
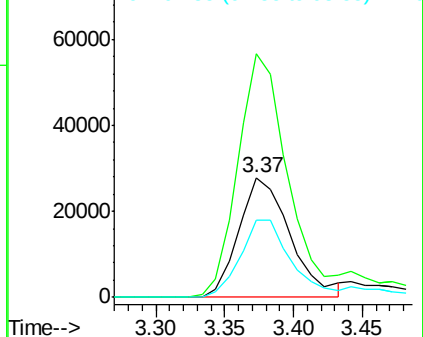
98 64.8 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.38 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Tgt Ion: 45 Resp: 627042

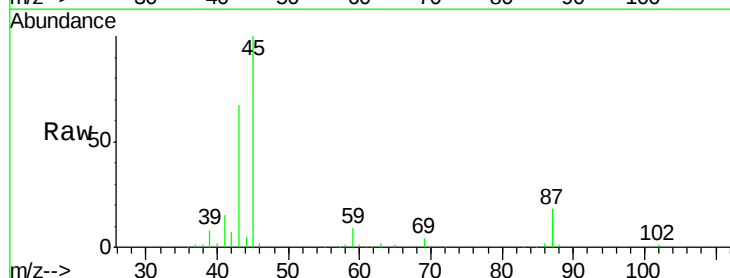
Ion Ratio Lower Upper

45 100

43 67.3 53.8 80.8

87 17.6 12.5 18.7

59 9.1 7.3 10.9

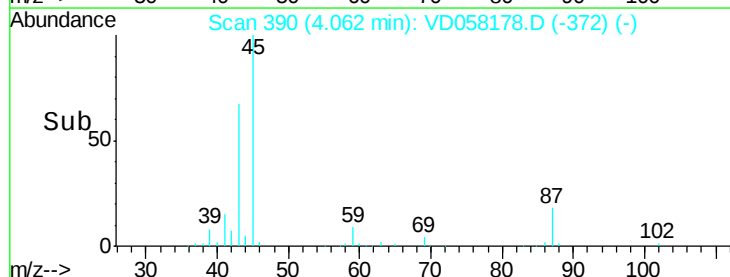
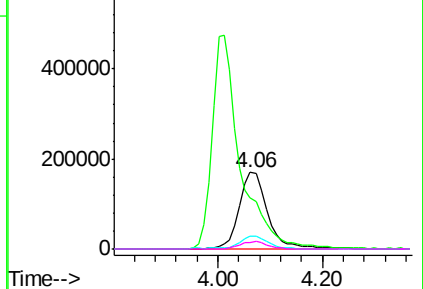


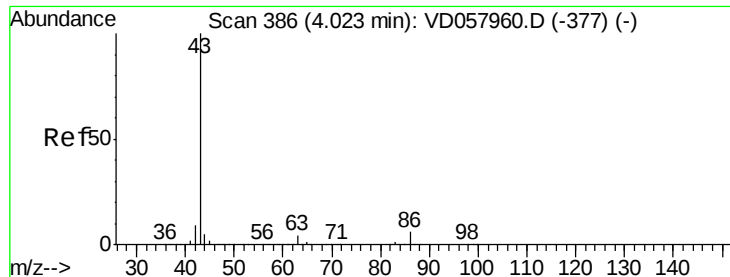
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 110.25 ug/l

RT: 4.01 min Scan# 385

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

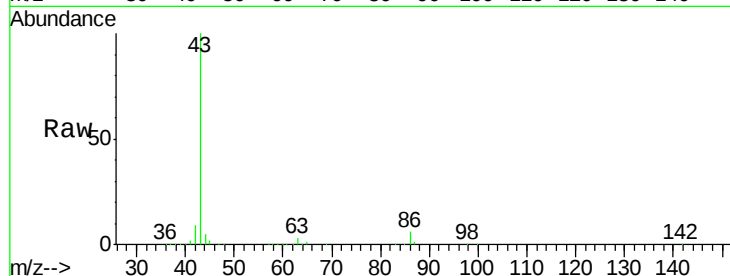
VD0618SBSD01

Tot Ion: 43 Resp: 1752437

Ion Ratio Lower Upper

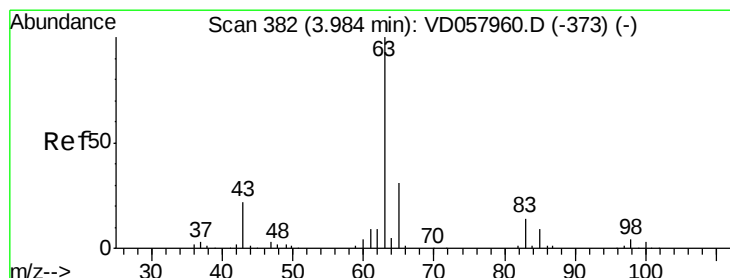
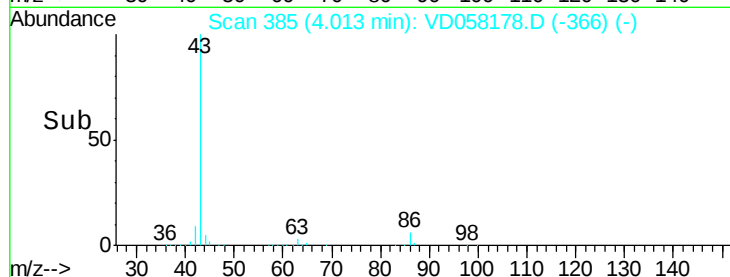
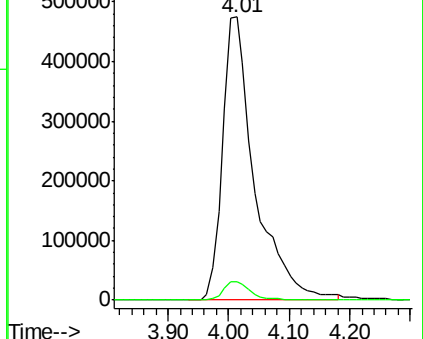
43 100

86 6.5 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.90 ug/l

RT: 3.96 min Scan# 380

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

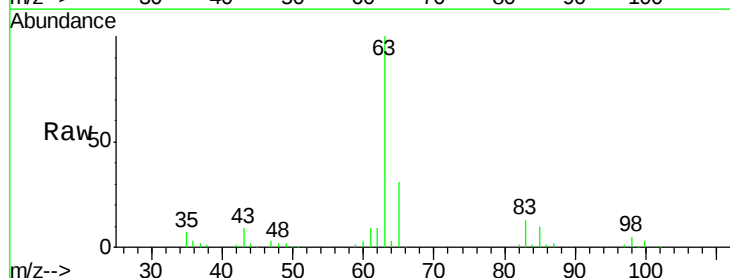
Tgt Ion: 63 Resp: 353419

Ion Ratio Lower Upper

63 100

98 4.5 2.0 5.8

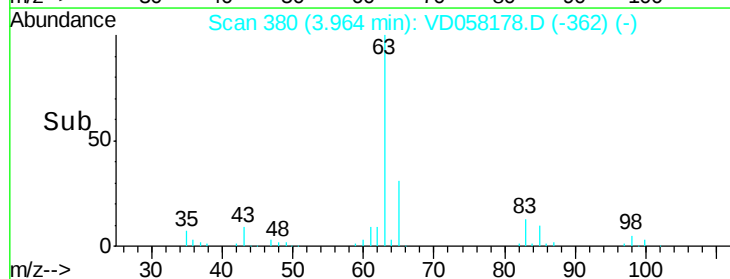
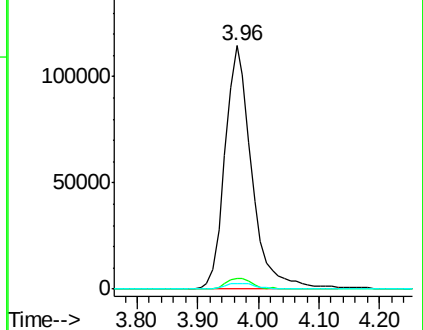
100 2.5 1.4 4.2

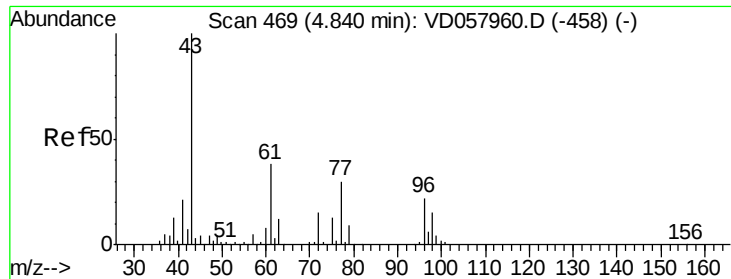


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 103.41 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

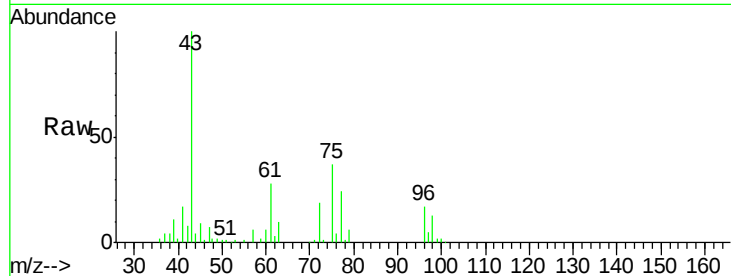
VD0618SBS01

Tot Ion: 43 Resp: 284094

Ion Ratio Lower Upper

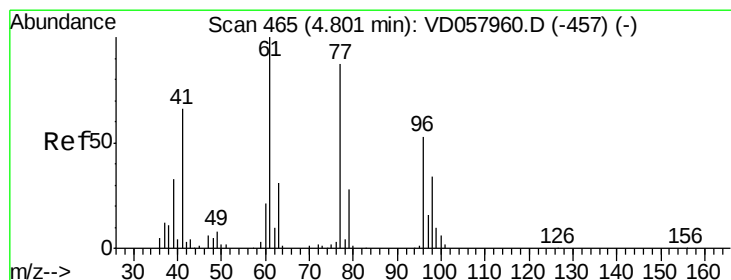
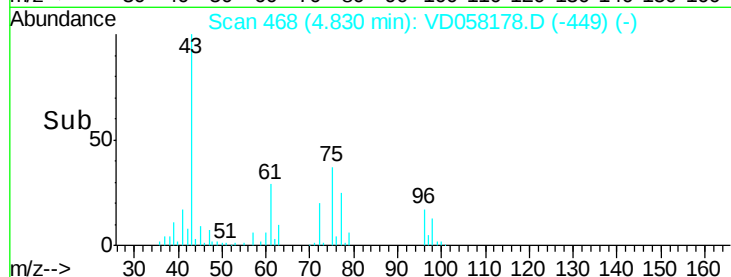
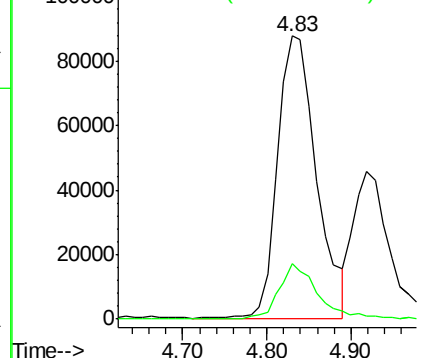
43 100

72 19.5 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.55 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD058178.D

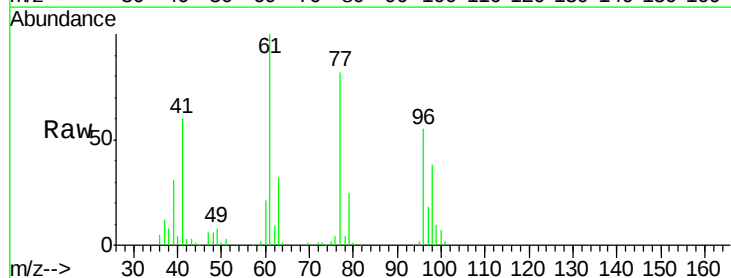
Acq: 18 Jun 2018 13:49

Tgt Ion: 77 Resp: 300074

Ion Ratio Lower Upper

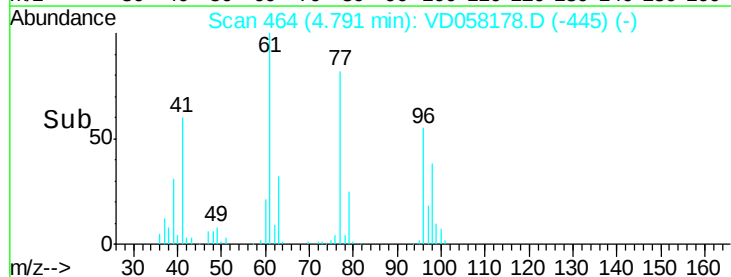
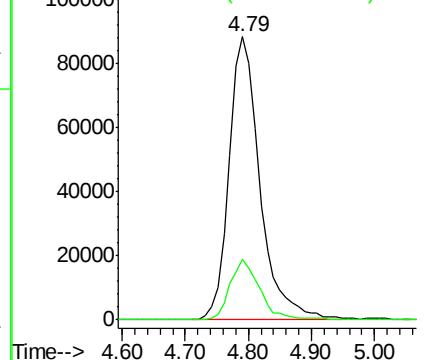
77 100

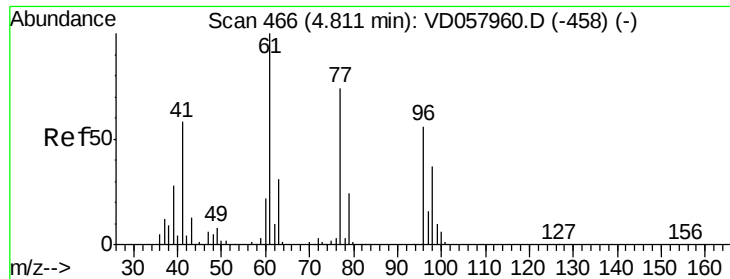
97 21.6 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 21.20 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBSD01

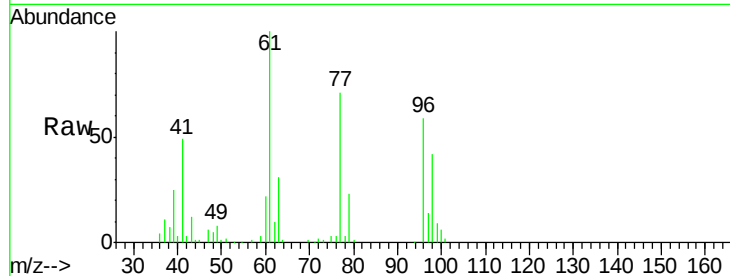
Tot Ion: 96 Resp: 188479

Ion Ratio Lower Upper

96 100

61 168.2 0.0 355.0

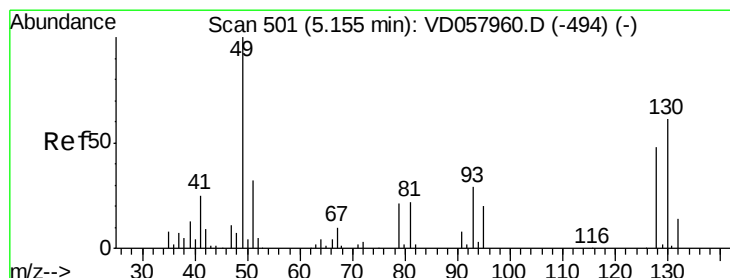
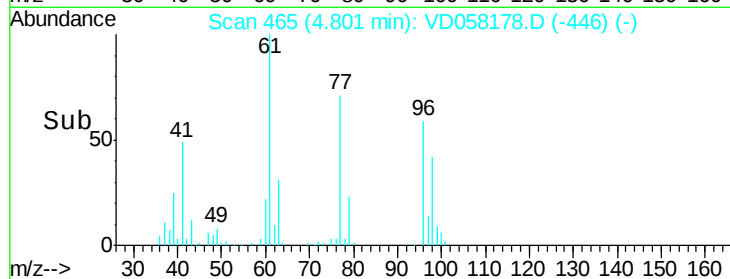
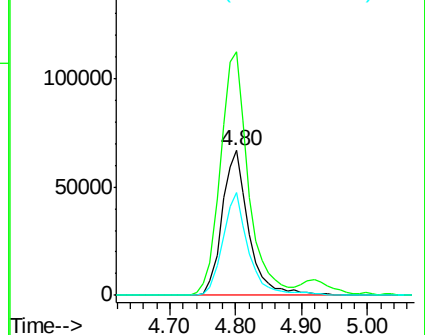
98 71.4 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 21.21 ug/l

RT: 5.14 min Scan# 499

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

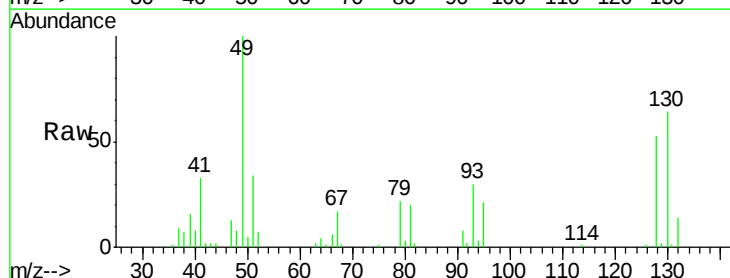
Tgt Ion: 49 Resp: 155180

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

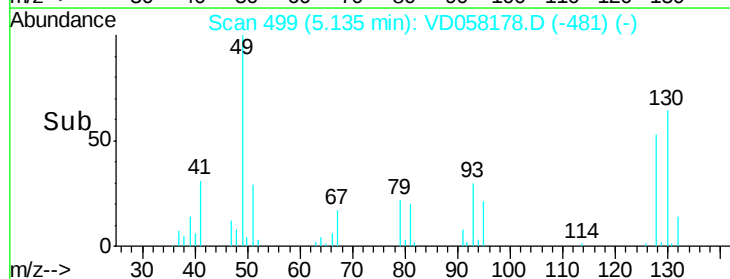
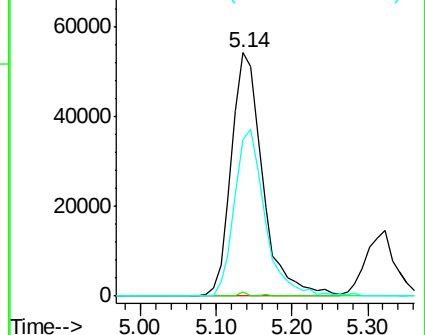
130 64.2 48.8 73.2

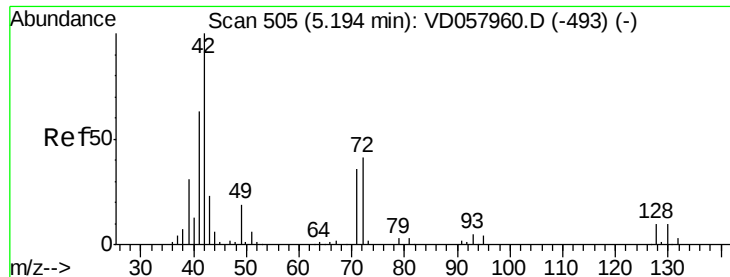


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

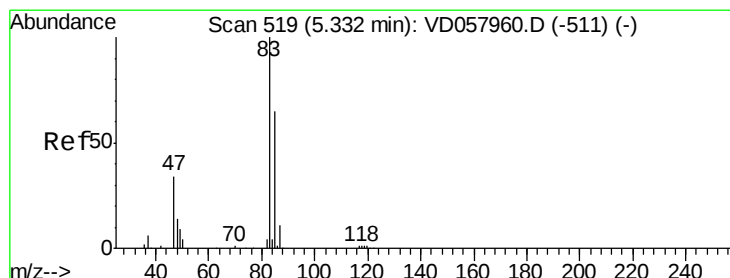
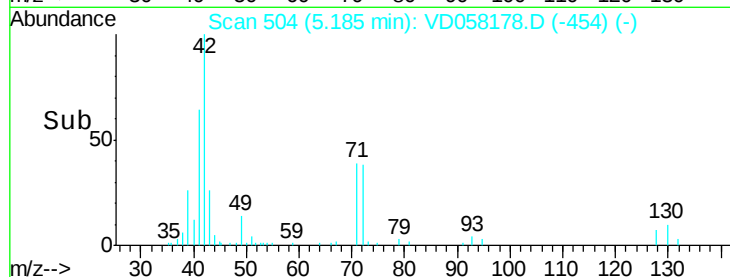
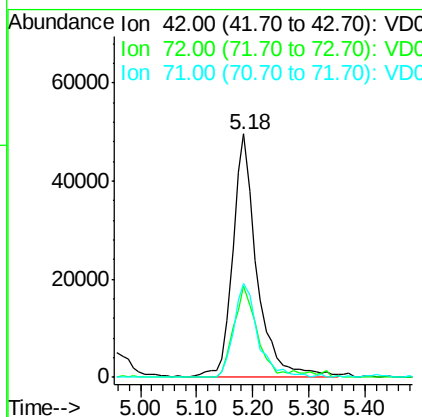
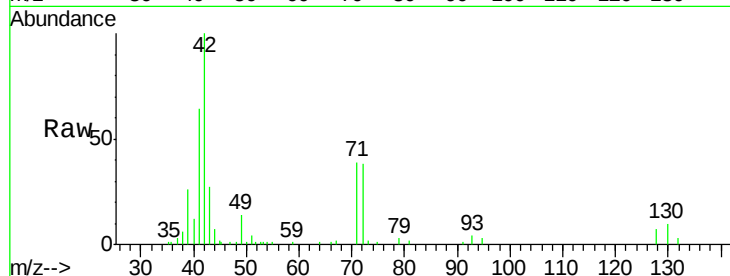




#29
Tetrahydrofuran
Concen: 102.83 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

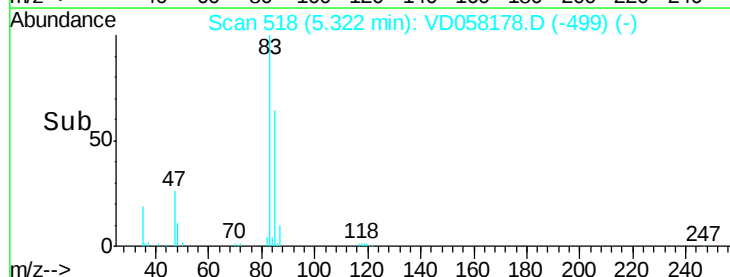
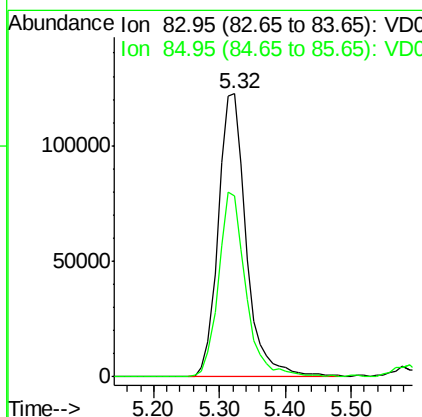
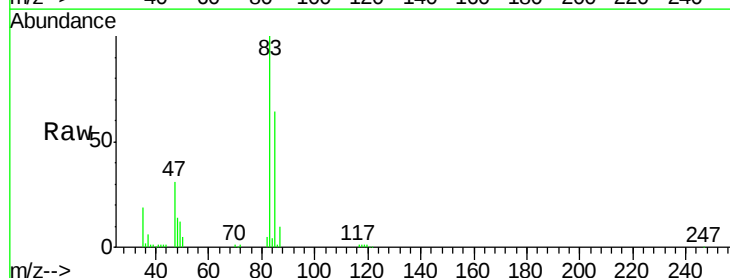
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD01

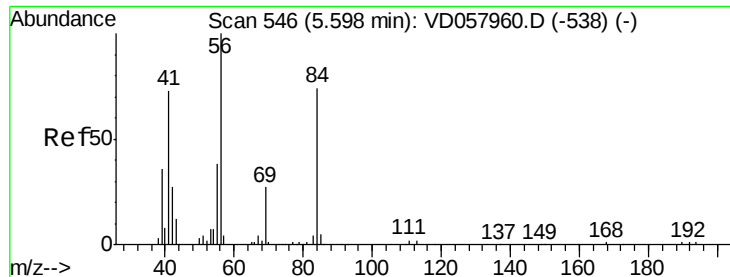
Tot Ion: 42 Resp: 148102
Ion Ratio Lower Upper
42 100
72 36.0 28.5 42.7
71 38.3 27.9 41.9



#30
Chloroform
Concen: 21.33 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 83 Resp: 362933
Ion Ratio Lower Upper
83 100
85 64.1 51.6 77.4

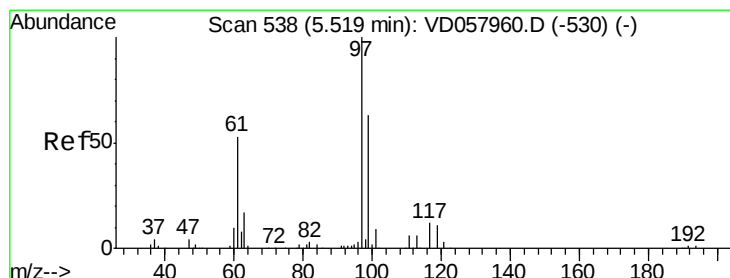
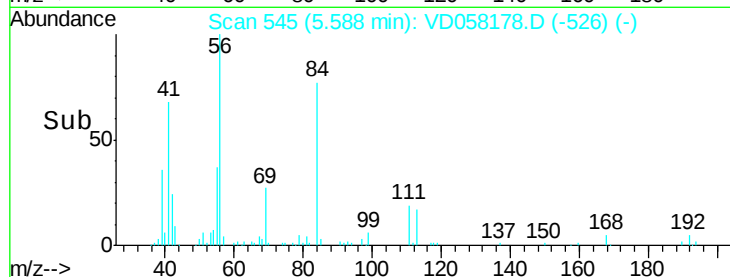
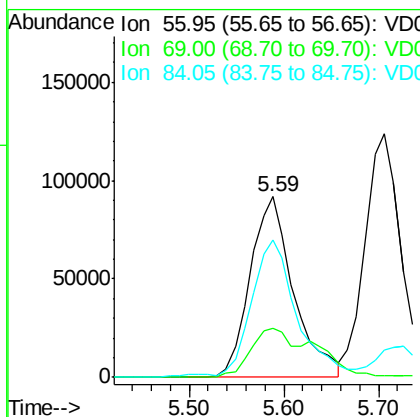
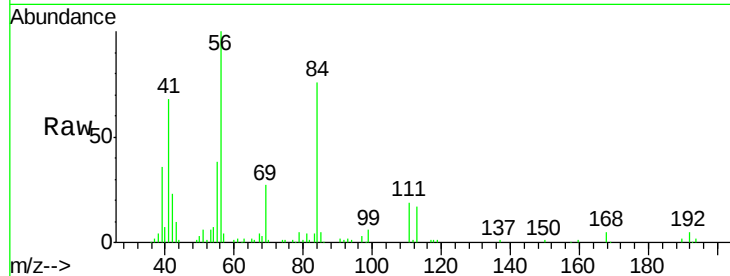




#31
Cyclohexane
Concen: 20.06 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

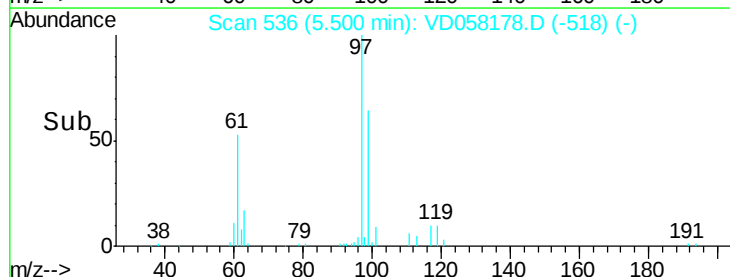
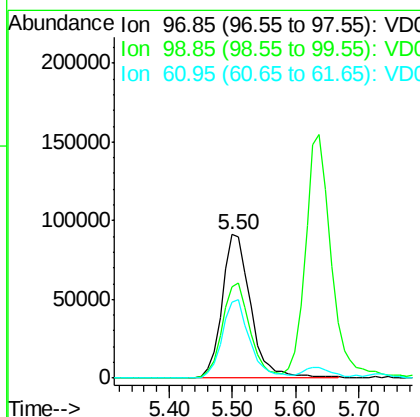
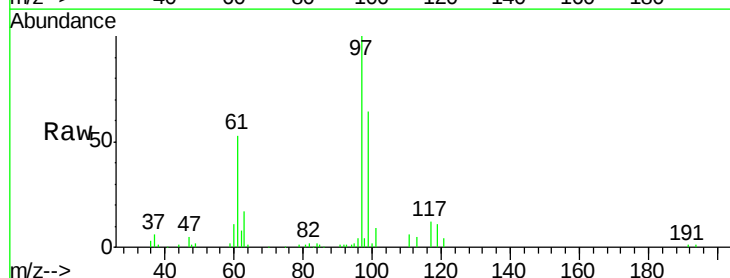
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD01

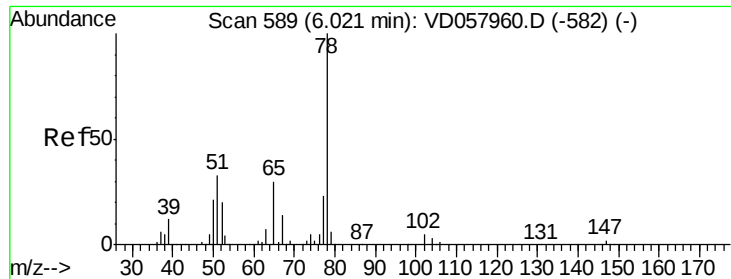
Tot Ion: 56 Resp: 292632
Ion Ratio Lower Upper
56 100
69 27.3 21.5 32.3
84 76.4 61.0 91.6



#32
1,1,1-Trichloroethane
Concen: 20.24 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.02 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 97 Resp: 288402
Ion Ratio Lower Upper
97 100
99 63.8 50.1 75.1
61 53.1 42.2 63.4





#33

1,2-Dichloroethane-d4

Concen: 20.24 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

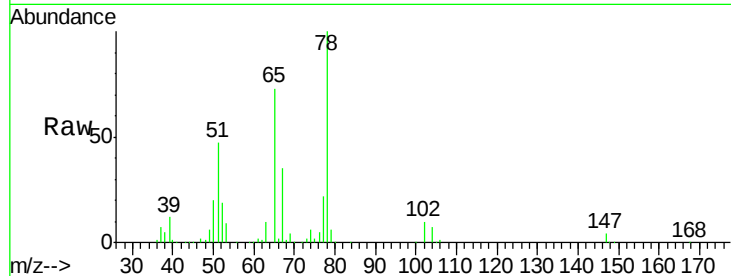
VD0618SBS01

Tot Ion: 65 Resp: 392584

Ion Ratio Lower Upper

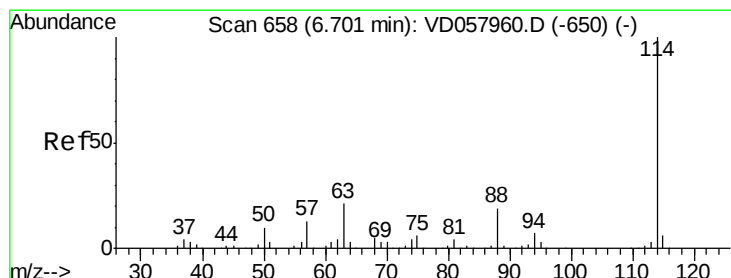
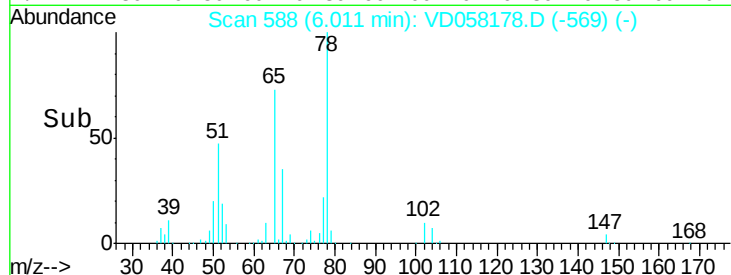
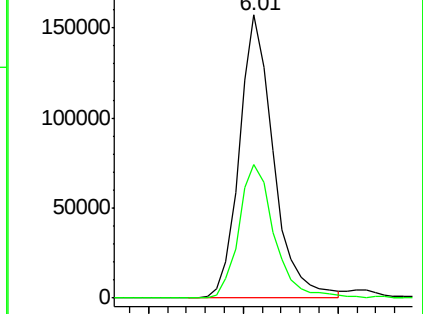
65 100

67 47.1 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

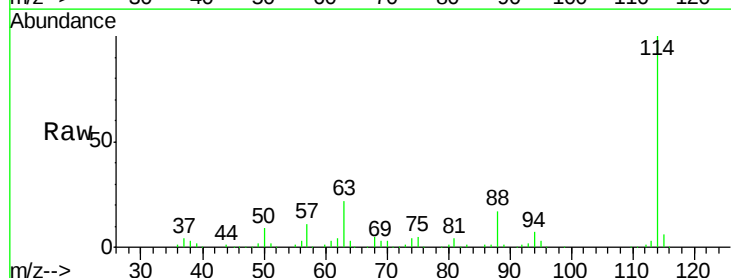
Tgt Ion: 114 Resp: 1092785

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.8

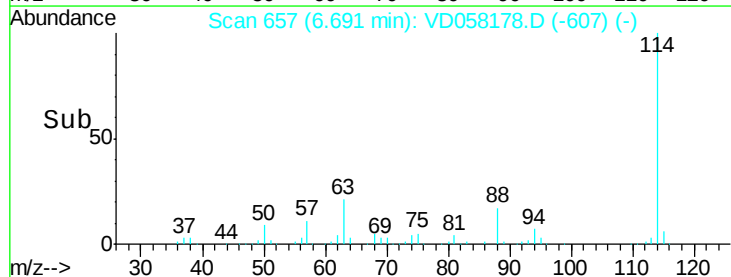
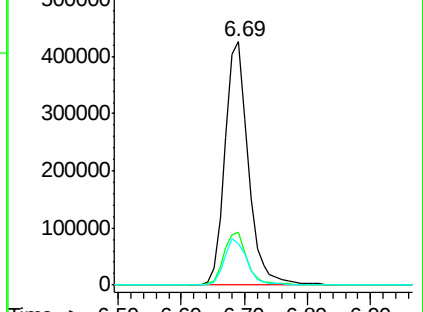
88 17.1 0.0 37.8

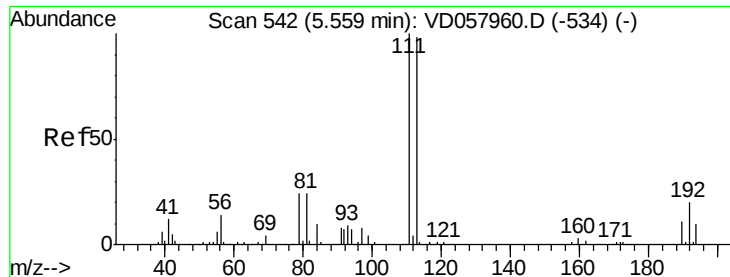


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBSD01

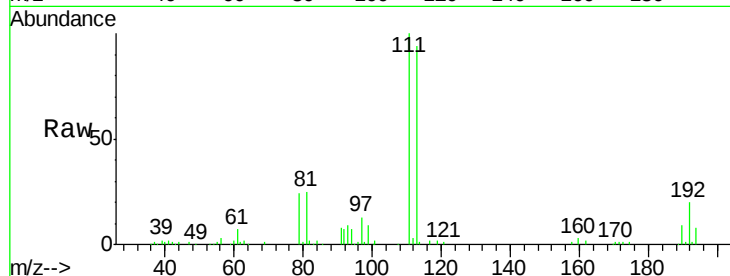
Tot Ion:113 Resp: 433004

Ion Ratio Lower Upper

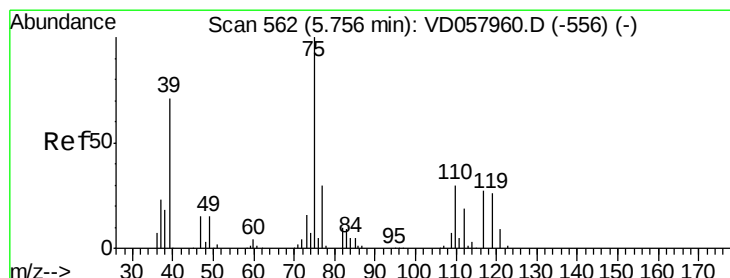
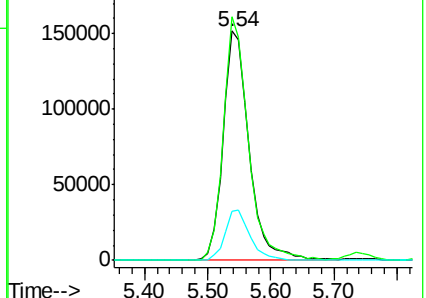
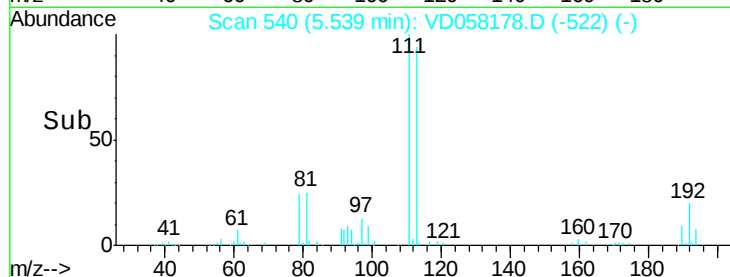
113 100

111 106.1 81.5 122.3

192 21.2 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.20 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

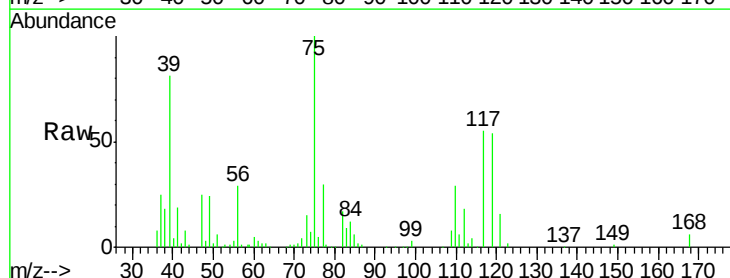
Tgt Ion: 75 Resp: 255217

Ion Ratio Lower Upper

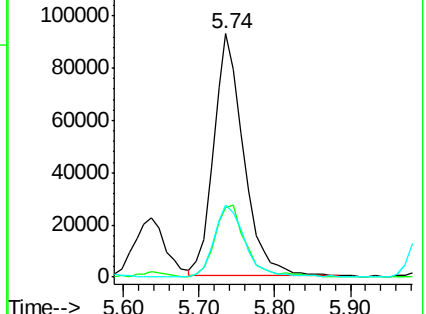
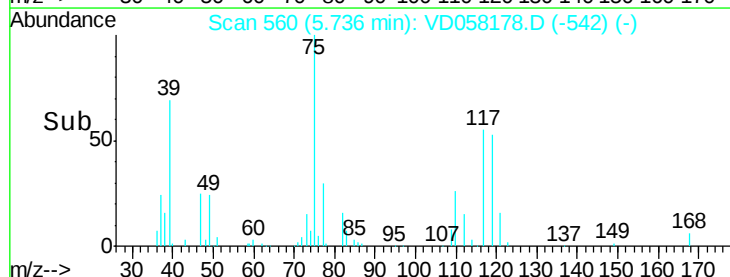
75 100

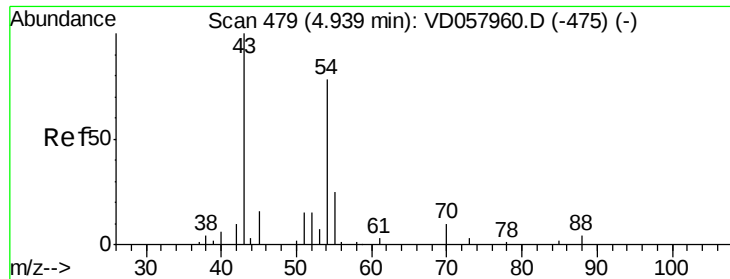
110 28.8 14.8 44.3

77 29.6 23.9 35.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

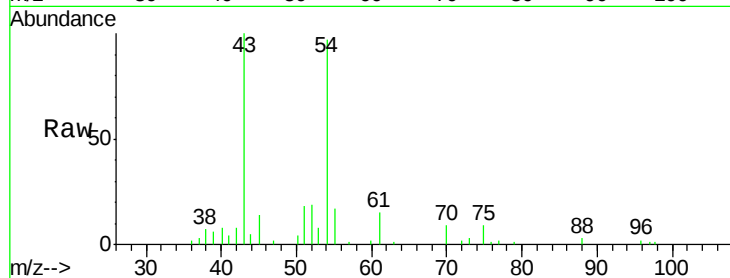




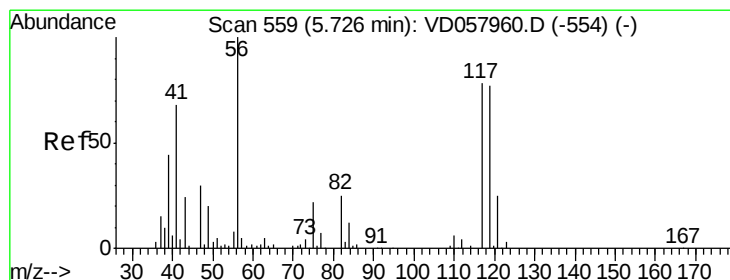
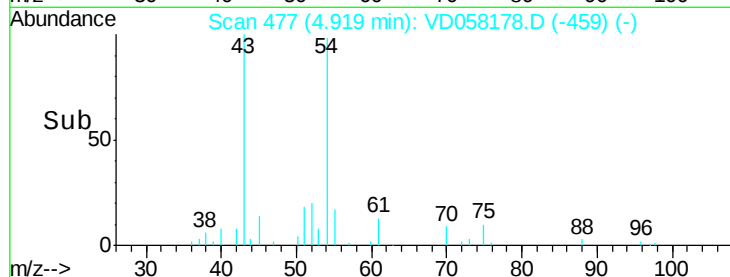
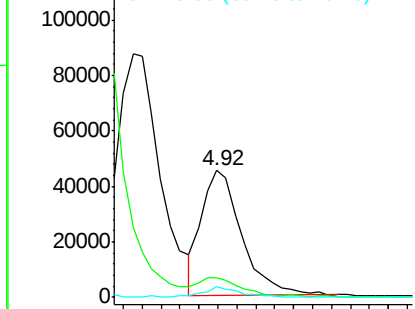
#37
Ethyl Acetate
Concen: 20.06 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD01

Tot Ion: 43 Resp: 131815
Ion Ratio Lower Upper
43 100
61 15.3 9.9 14.9#
70 8.8 5.7 8.5#

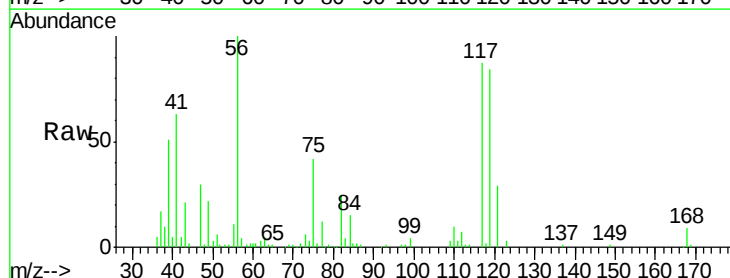


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

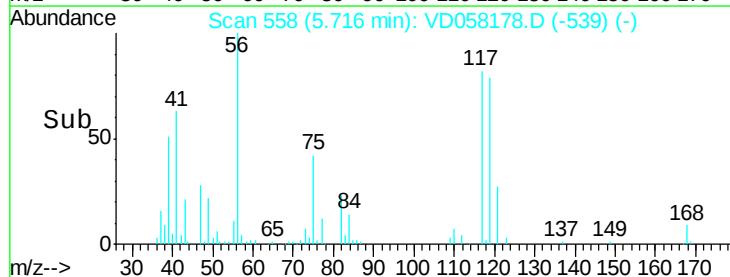
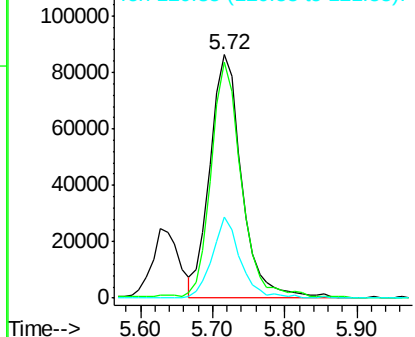


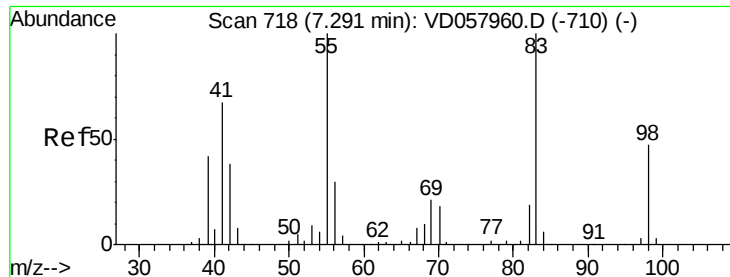
#38
Carbon Tetrachloride
Concen: 21.80 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 117 Resp: 258701
Ion Ratio Lower Upper
117 100
119 96.7 76.1 114.1
121 33.1 24.9 37.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

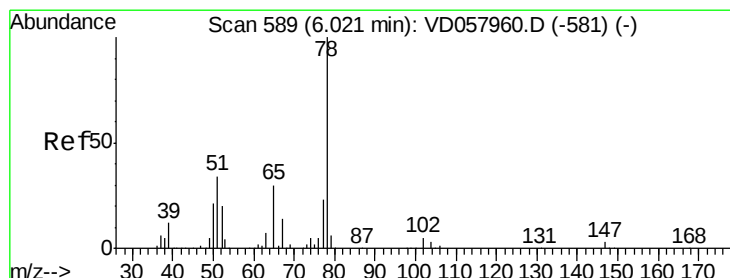
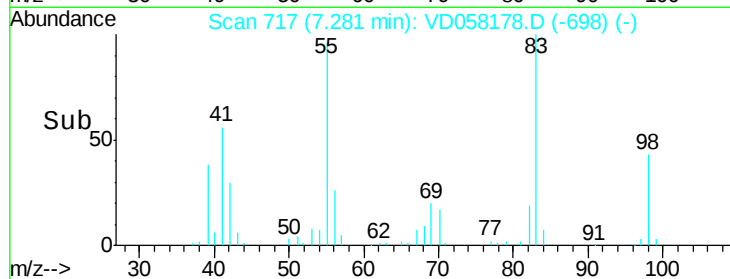
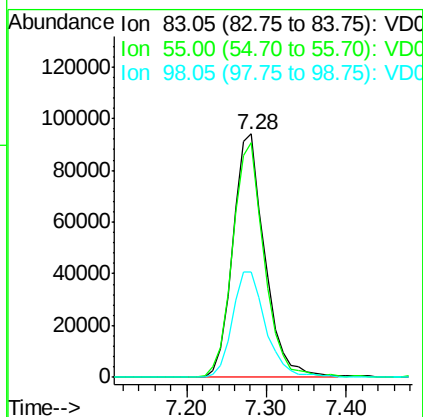
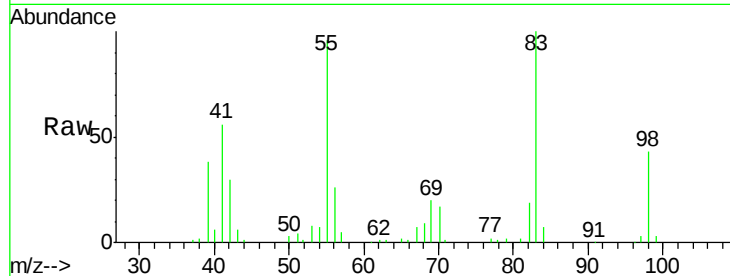




#39
Methvlcvclohexane
Concen: 21.91 ug/l
RT: 7.28 min Scan# 717
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

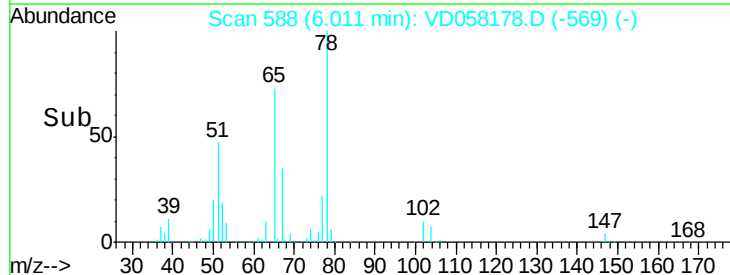
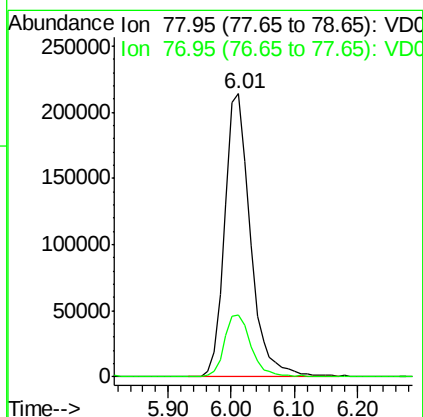
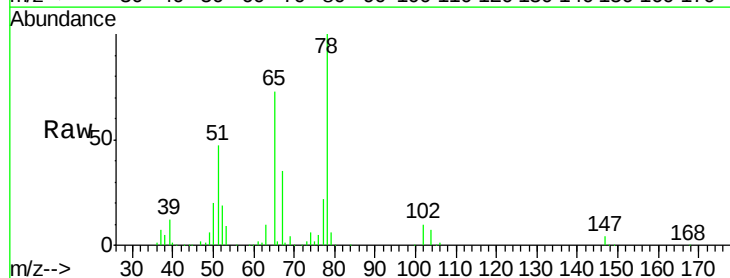
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

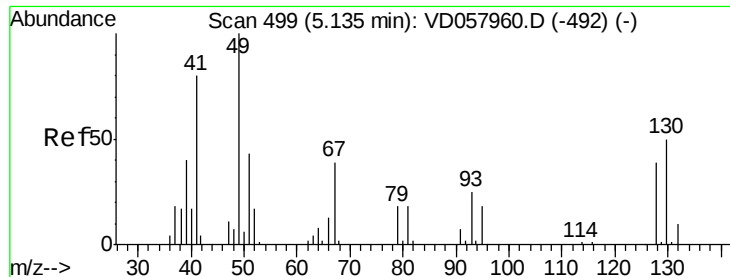
Tot Ion: 83 Resp: 261523
Ion Ratio Lower Upper
83 100
55 96.5 80.3 120.5
98 43.3 38.0 57.0



#40
Benzene
Concen: 21.54 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 78 Resp: 605753
Ion Ratio Lower Upper
78 100
77 21.9 18.1 27.1

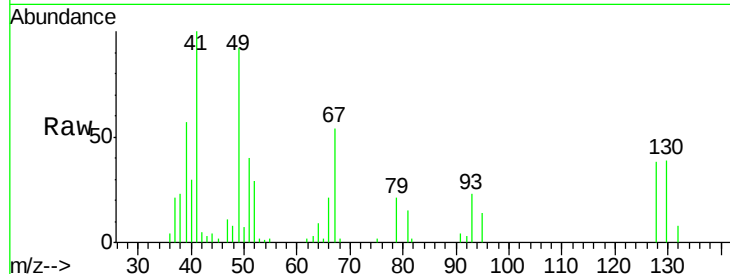




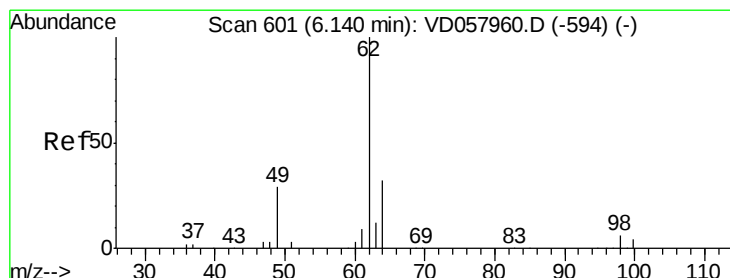
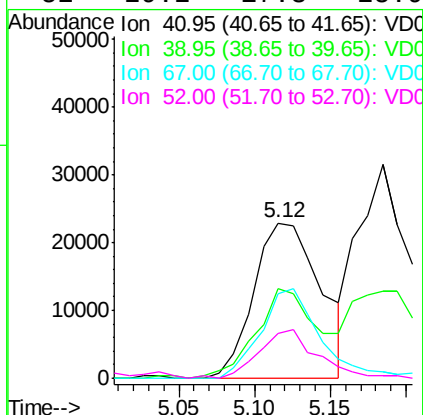
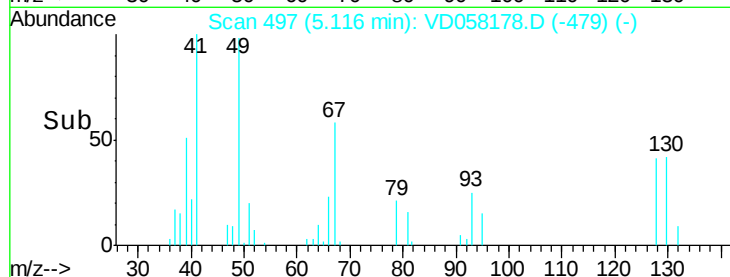
#41
Methacrylonitrile
Concen: 23.62 ug/l
RT: 5.12 min Scan# 497
Delta R.T. -0.02 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD01

Tot Ion: 41 Resp: 70941
Ion Ratio Lower Upper
41 100
39 57.4 40.7 61.1
67 54.3 38.8 58.2
52 29.2 17.3 25.9#

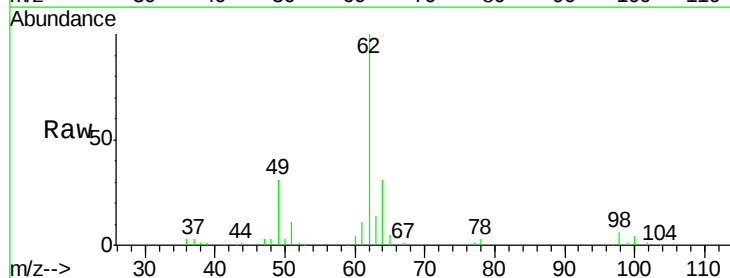


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

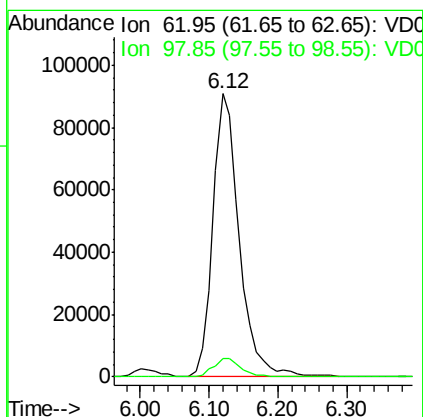
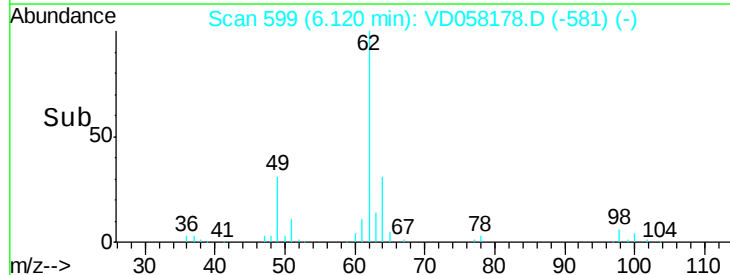


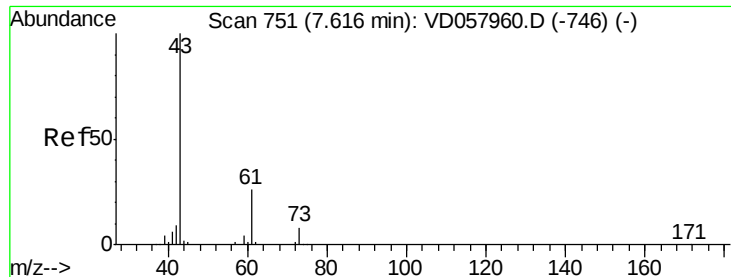
#42
1,2-Dichloroethane
Concen: 21.17 ug/l
RT: 6.12 min Scan# 599
Delta R.T. -0.02 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 62 Resp: 240691
Ion Ratio Lower Upper
62 100
98 6.5 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



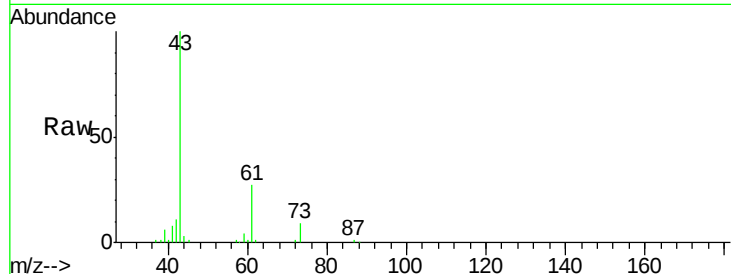


#43

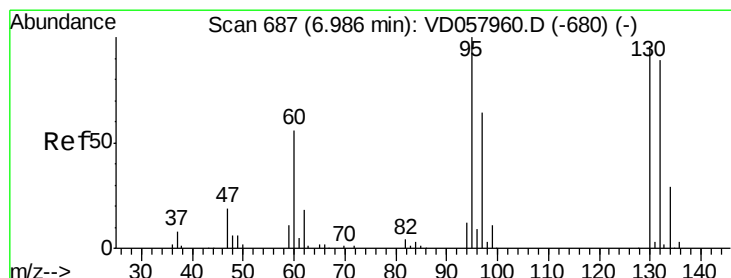
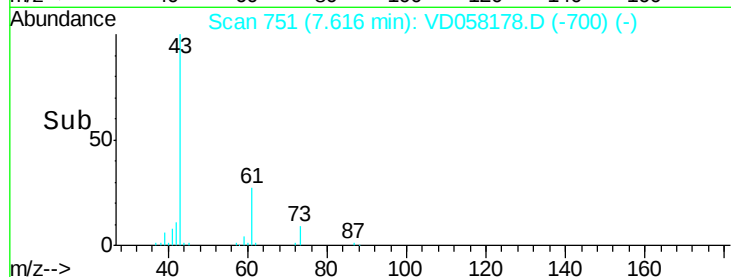
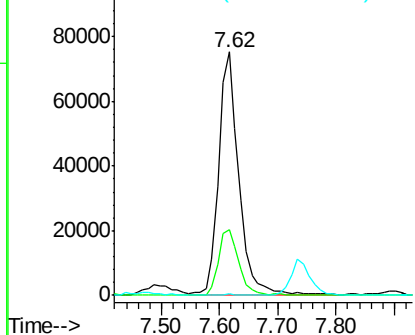
Isopropyl Acetate
 Concen: 21.08 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

Tot Ion: 43 Resp: 181371
 Ion Ratio Lower Upper
 43 100
 61 26.9 20.6 30.8
 87 0.5 0.2 0.4#



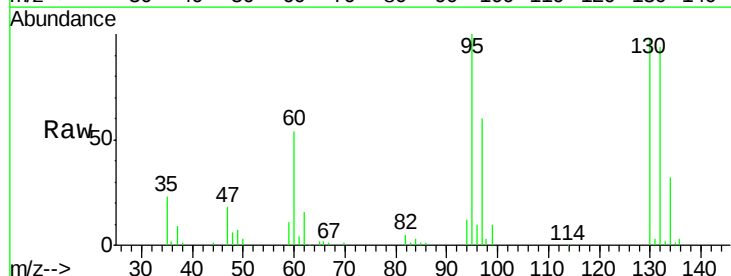
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



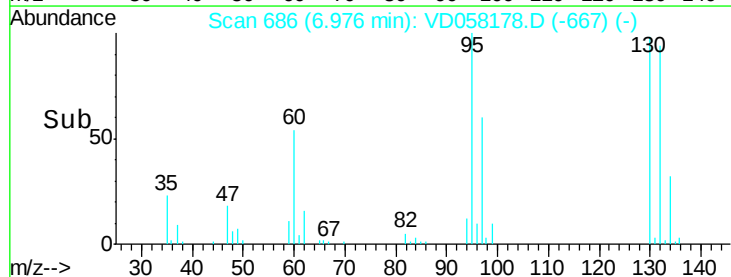
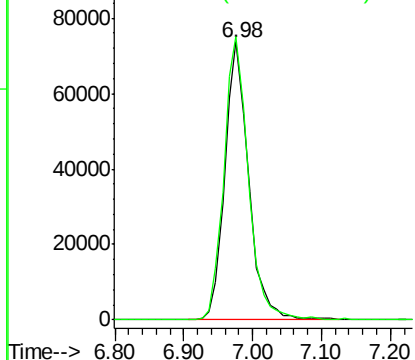
#44

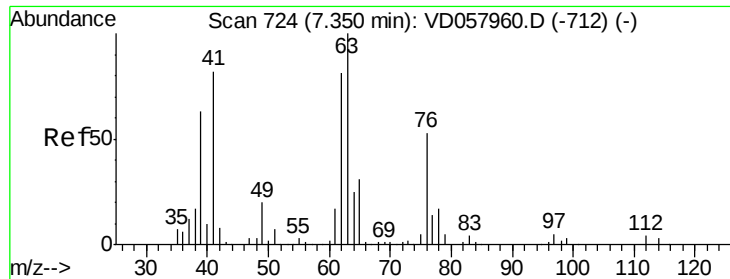
Trichloroethene
 Concen: 21.44 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion:130 Resp: 176132
 Ion Ratio Lower Upper
 130 100
 95 101.8 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC

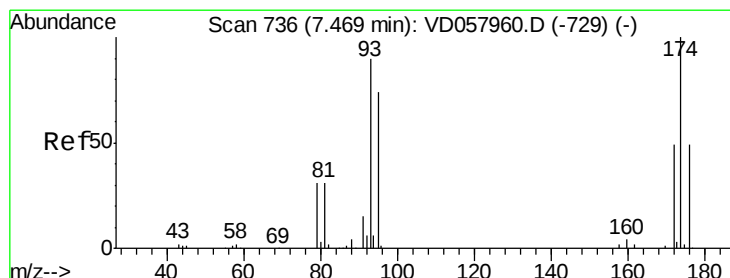
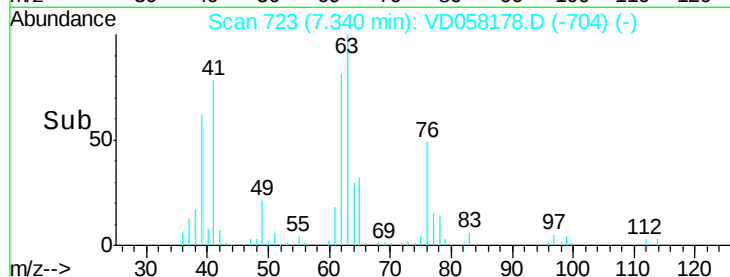
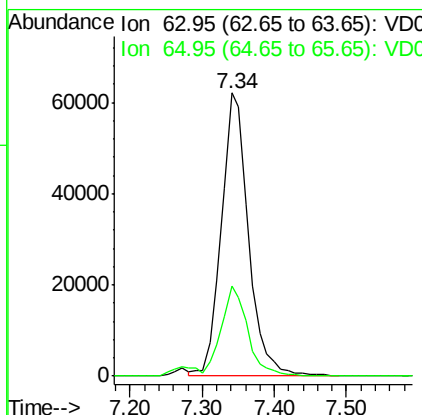
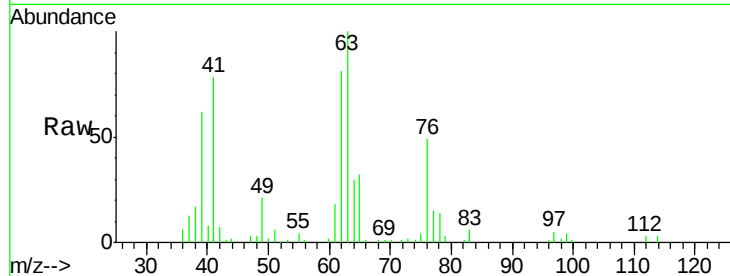




#45
 1,2-Dichloropropane
 Concen: 20.65 ug/l
 RT: 7.34 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

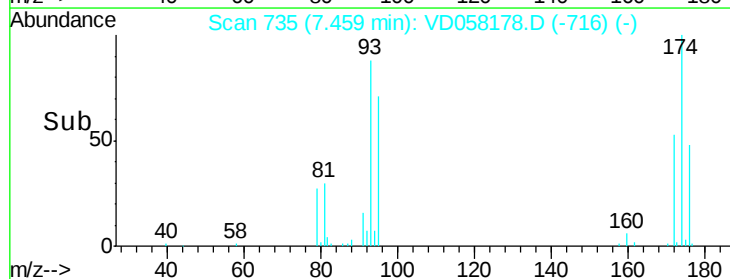
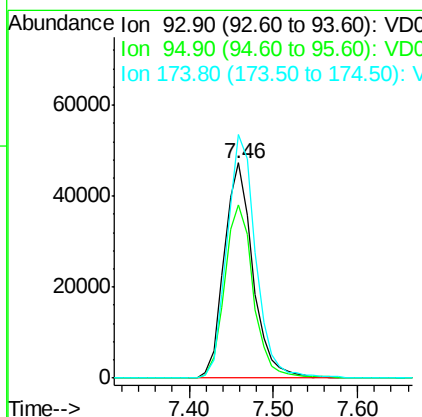
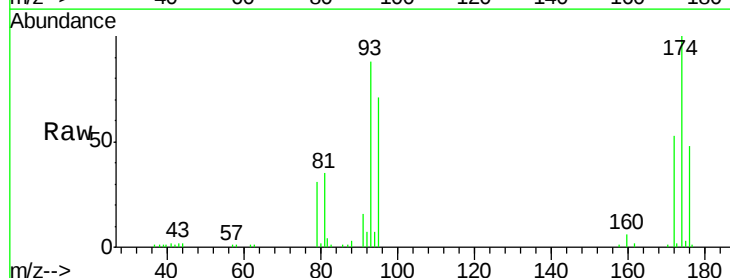
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

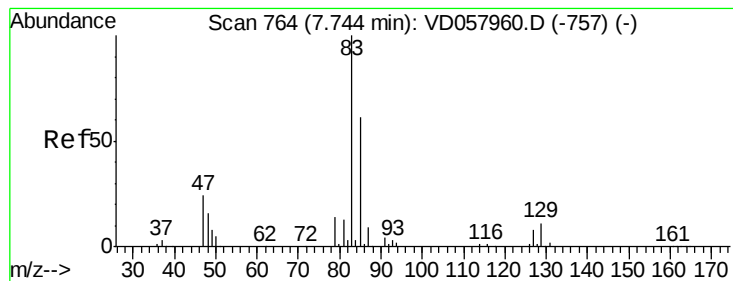
Tot Ion: 63 Resp: 161410
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.9 37.3



#46
 Dibromomethane
 Concen: 22.30 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion: 93 Resp: 111970
 Ion Ratio Lower Upper
 93 100
 95 80.5 65.7 98.5
 174 113.3 89.0 133.4





#47

Bromodichloromethane

Concen: 21.99 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBSD01

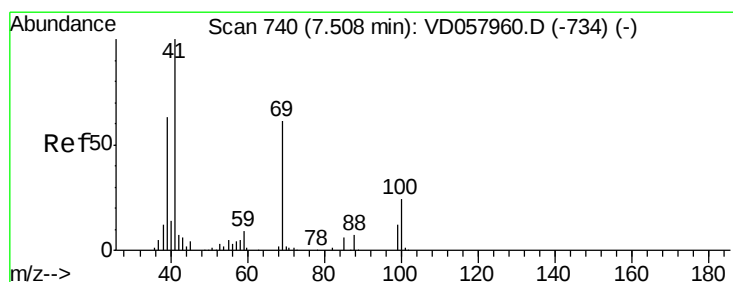
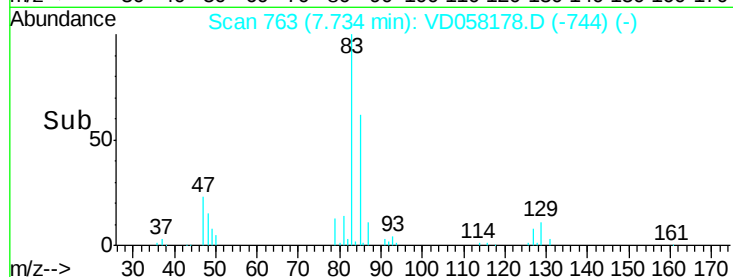
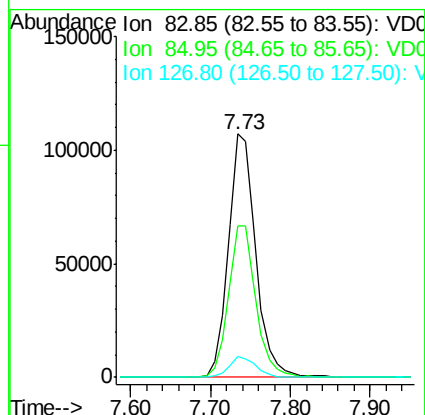
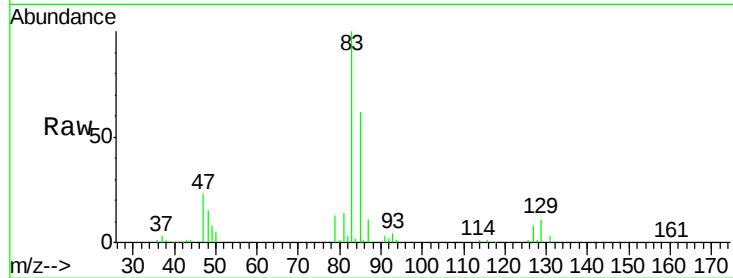
Tot Ion: 83 Resp: 258491

Ion Ratio Lower Upper

83 100

85 62.1 49.1 73.7

127 8.4 6.2 9.2



#48

Methyl methacrylate

Concen: 20.38 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

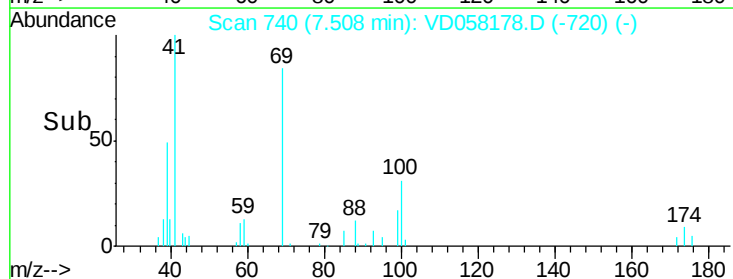
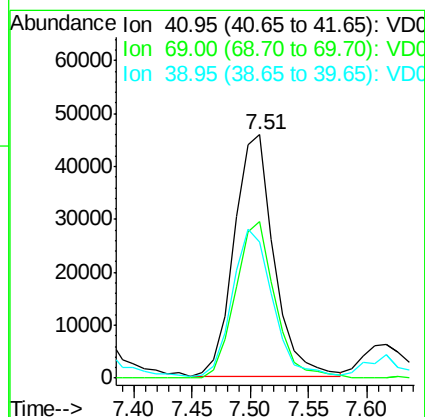
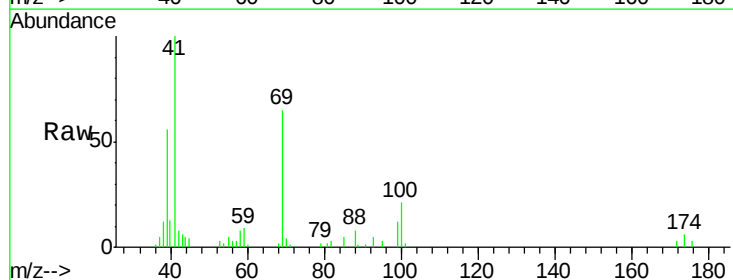
Tgt Ion: 41 Resp: 107919

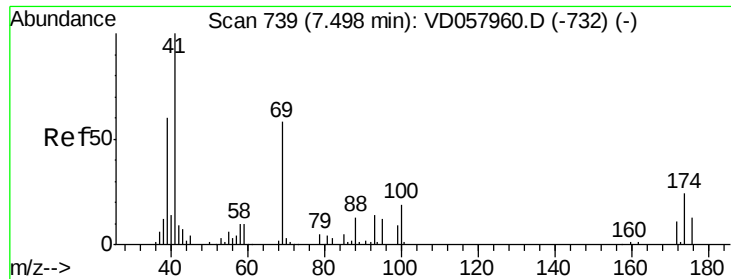
Ion Ratio Lower Upper

41 100

69 64.6 48.0 72.0

39 55.8 50.7 76.1

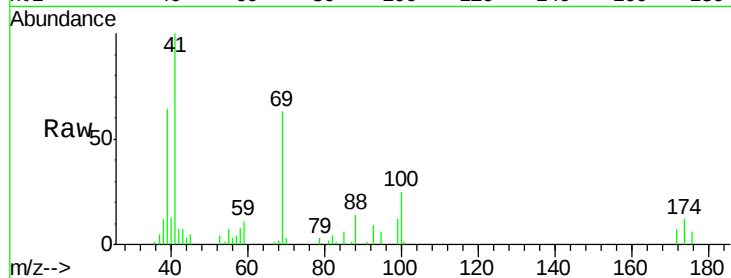




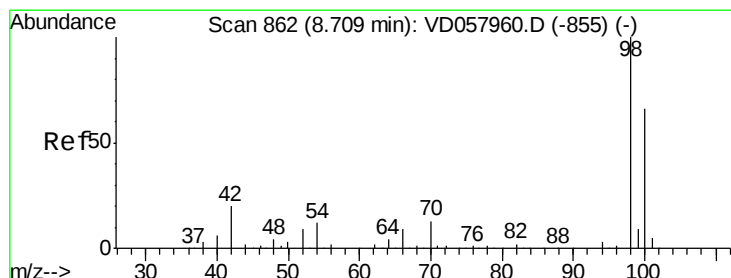
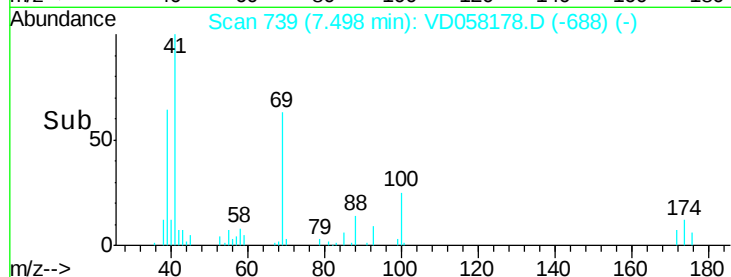
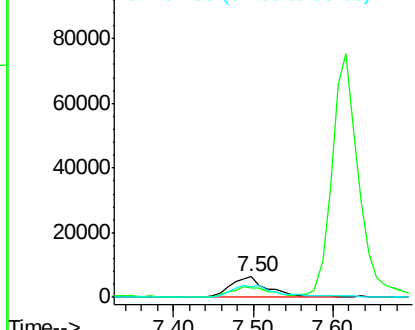
#49
1,4-Dioxane
Concen: 499.08 ug/l
RT: 7.50 min Scan# 739
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD01

Tot Ion: 88 Resp: 21897
Ion Ratio Lower Upper
88 100
43 48.6 46.6 69.8
58 53.9 63.6 95.4#

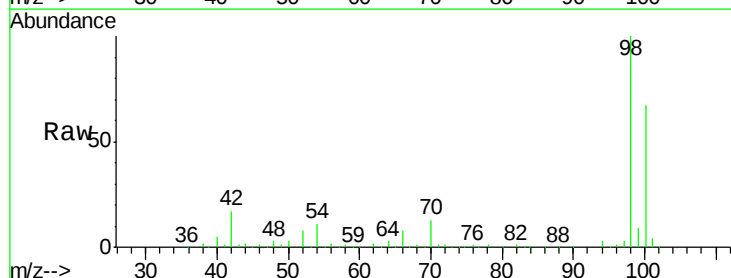


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

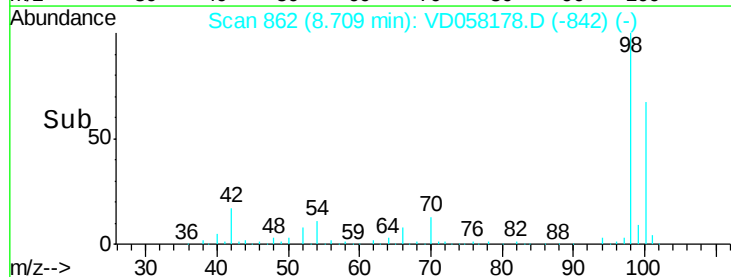
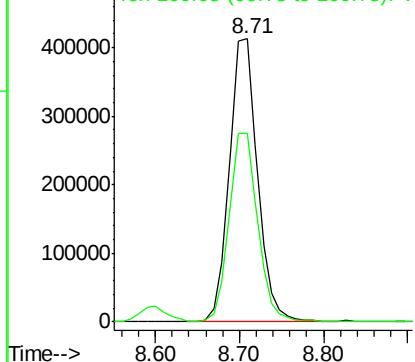


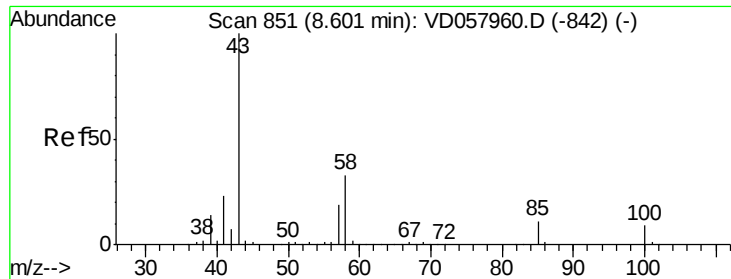
#50
Toluene-d8
Concen: 499.08 ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 98 Resp: 964521
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 109.94 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

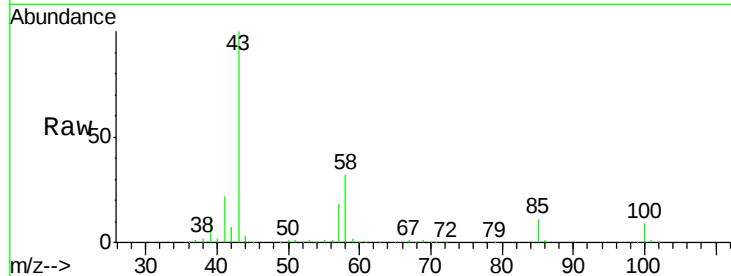
VD0618SBS01

Tot Ion: 43 Resp: 606781

Ion Ratio Lower Upper

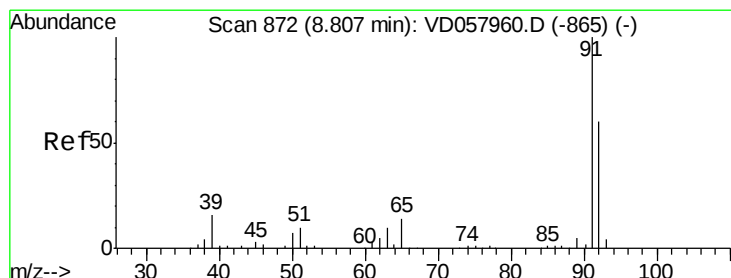
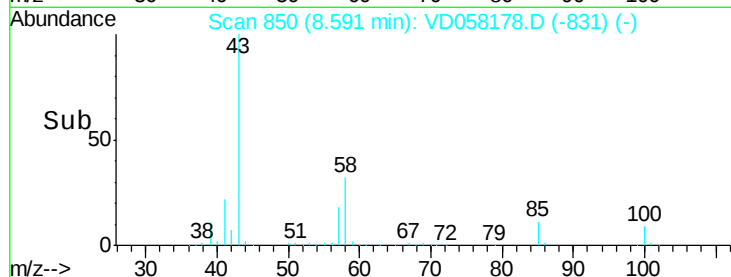
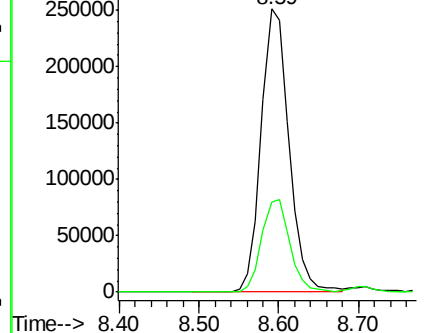
43 100

58 32.0 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.33 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058178.D

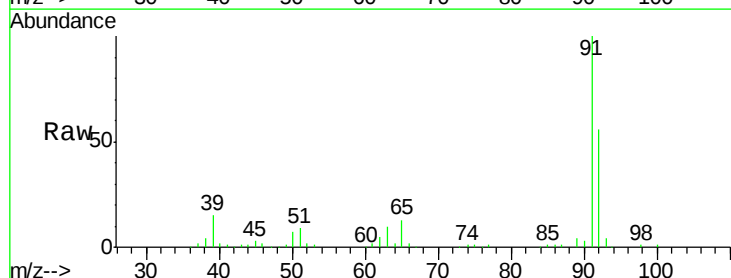
Acq: 18 Jun 2018 13:49

Tgt Ion: 92 Resp: 344301

Ion Ratio Lower Upper

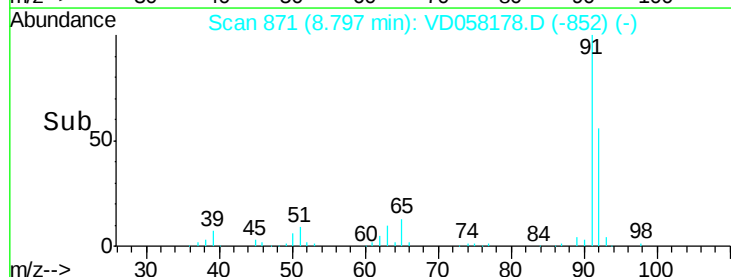
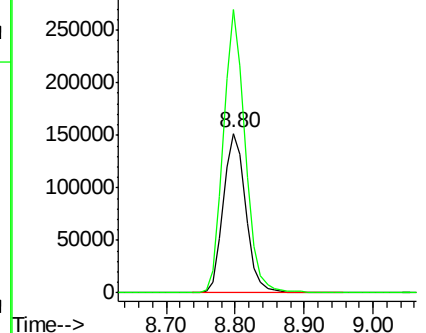
92 100

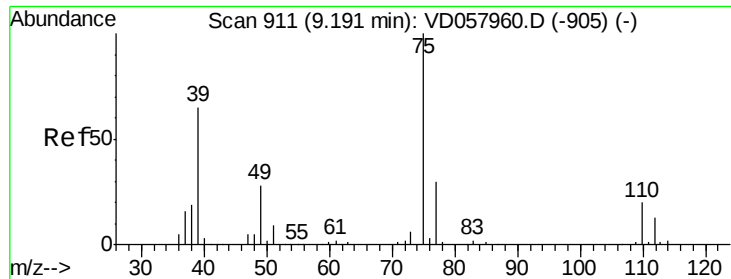
91 177.1 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

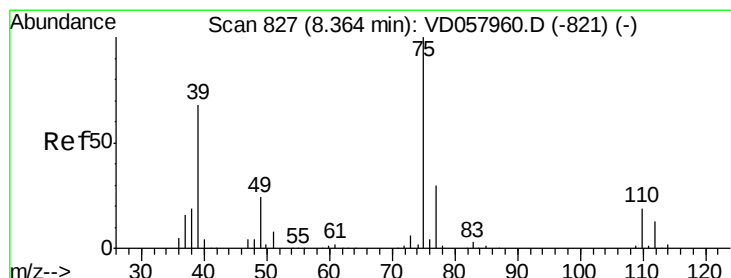
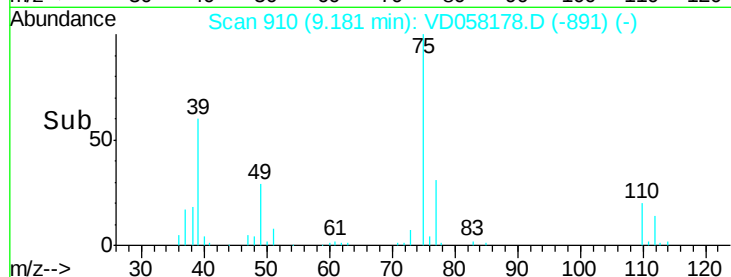
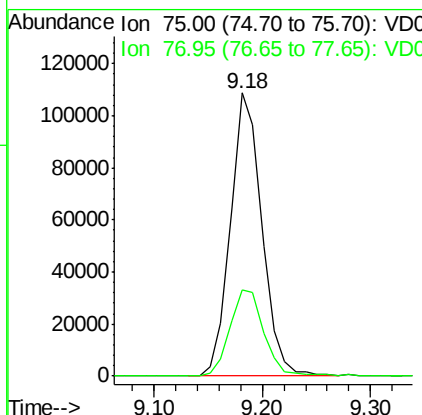
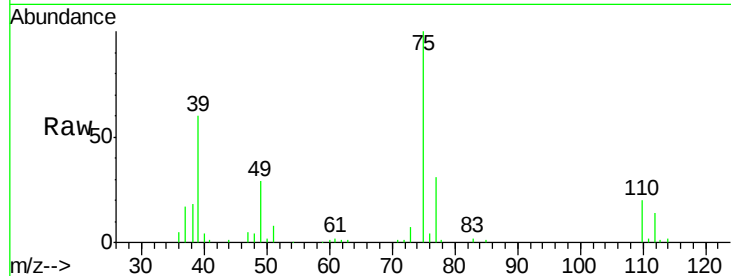




#53
 t-1,3-Dichloropropene
 Concen: 21.61 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

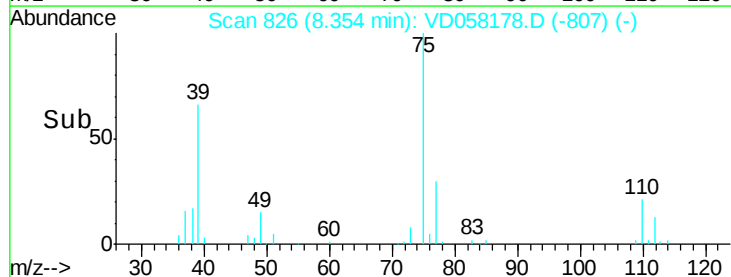
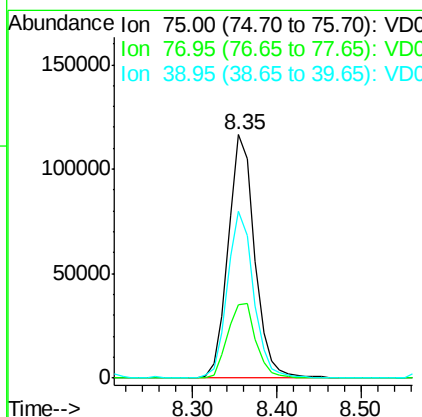
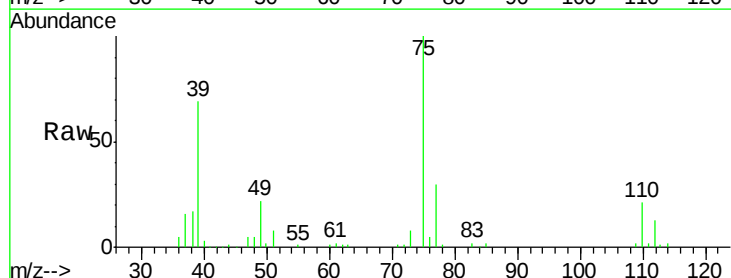
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBSD01

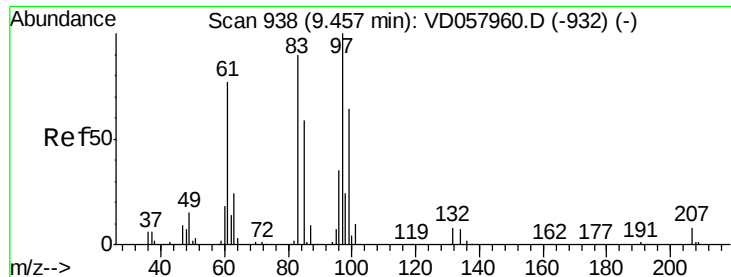
Tot Ion: 75 Resp: 218870
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 21.40 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion: 75 Resp: 255412
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.1 36.1
 39 68.6 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 22.82 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBSD01

Tot Ion: 97 Resp: 119206

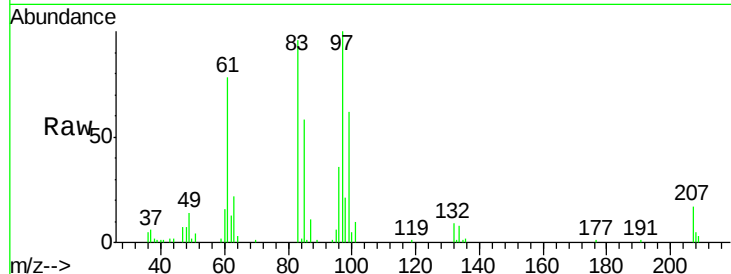
Ion Ratio Lower Upper

97 100

83 95.9 71.8 107.8

85 57.6 47.2 70.8

99 62.3 51.4 77.0

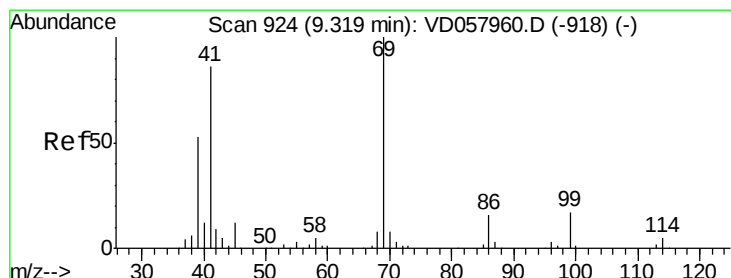
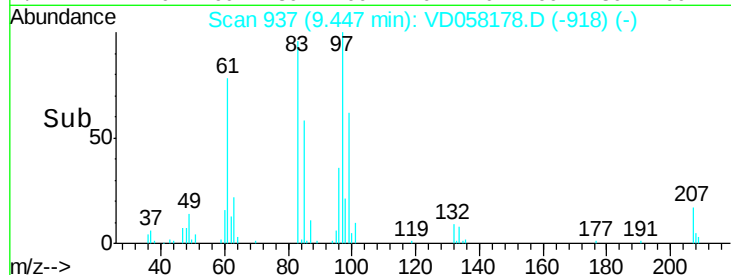
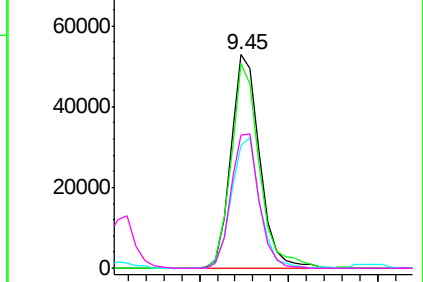


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.77 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

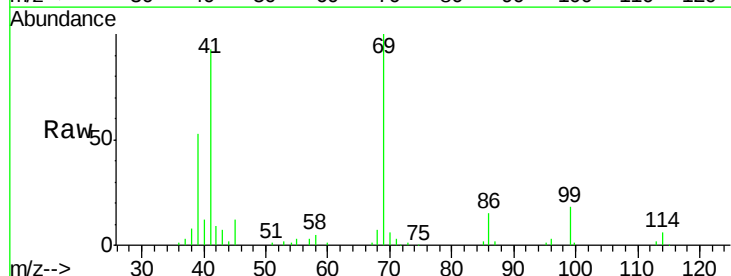
Tgt Ion: 69 Resp: 139533

Ion Ratio Lower Upper

69 100

41 93.1 68.4 102.6

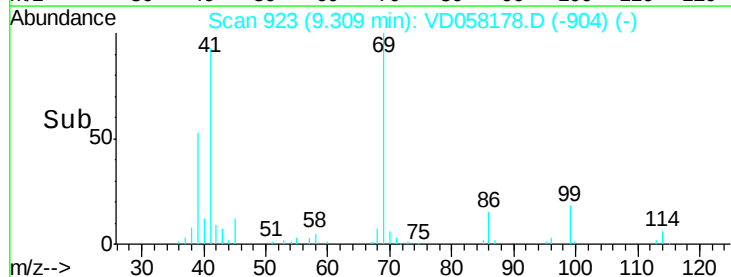
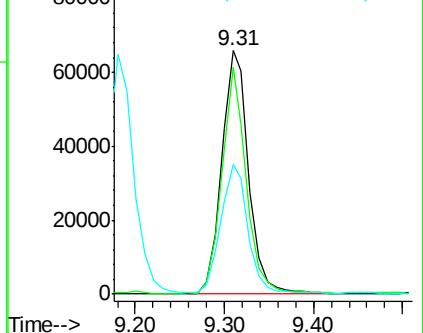
39 53.0 43.0 64.4

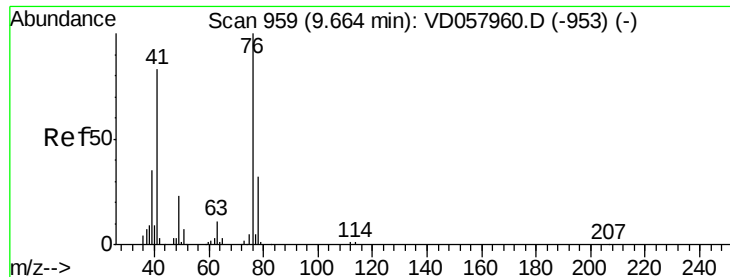


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 22.30 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

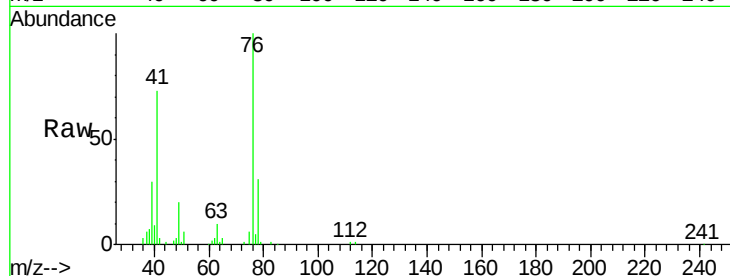
VD0618SBSD01

Tot Ion: 76 Resp: 204284

Ion Ratio Lower Upper

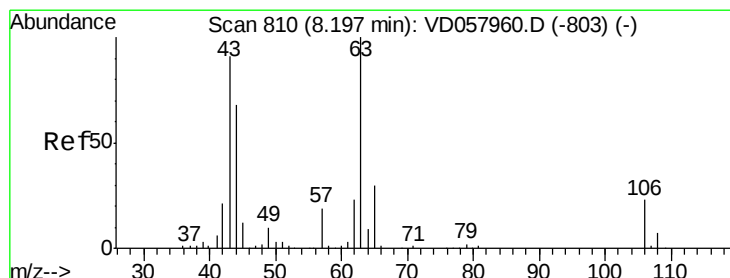
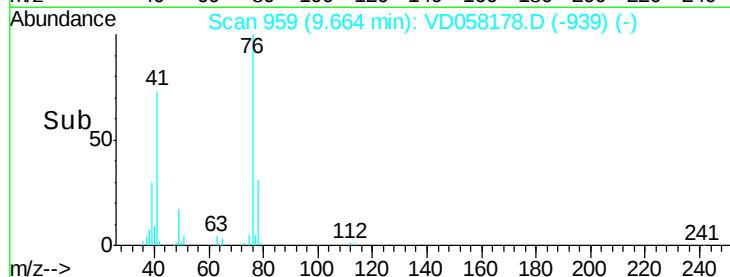
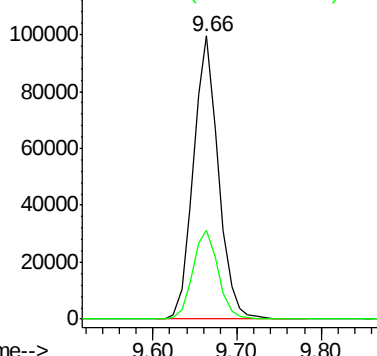
76 100

78 31.5 25.4 38.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 113.13 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD058178.D

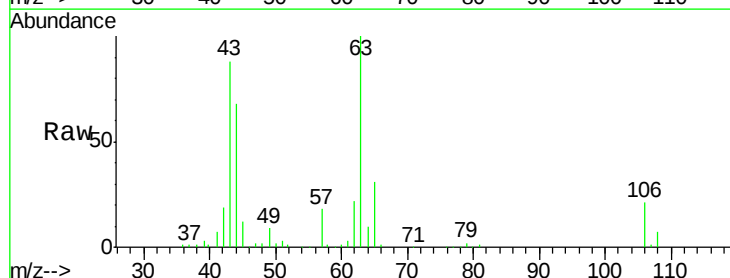
Acq: 18 Jun 2018 13:49

Tgt Ion: 63 Resp: 366273

Ion Ratio Lower Upper

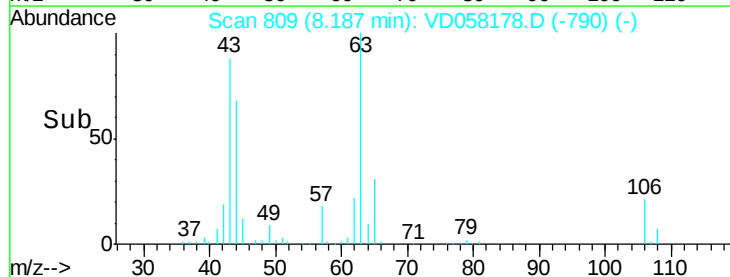
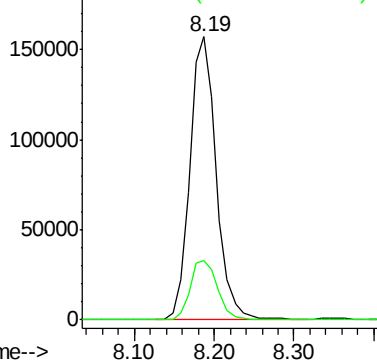
63 100

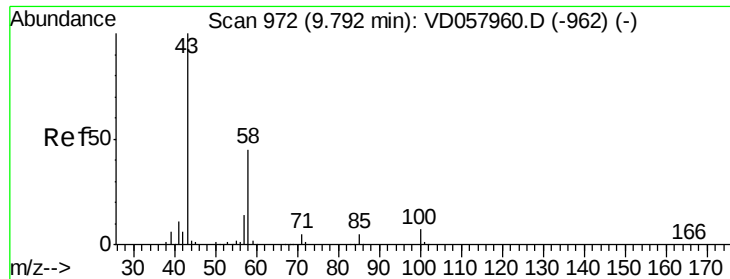
106 20.9 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

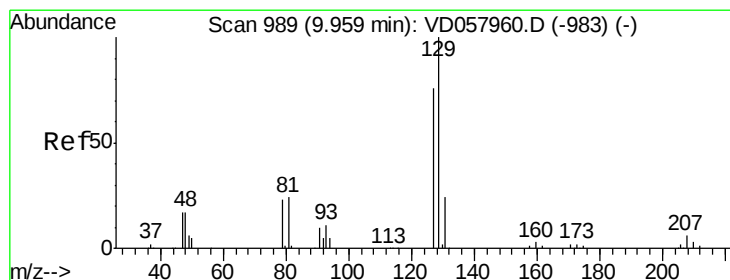
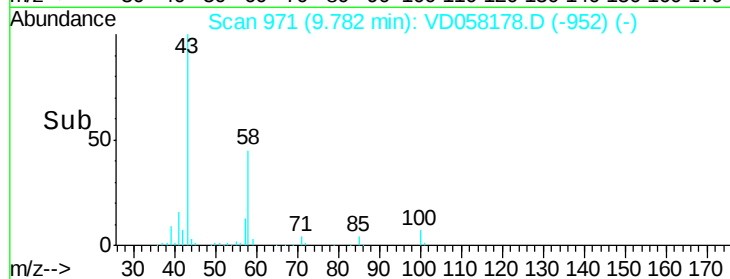
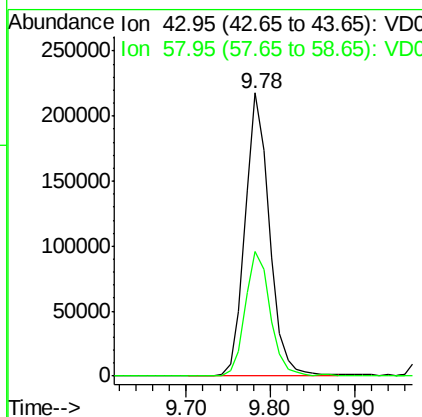
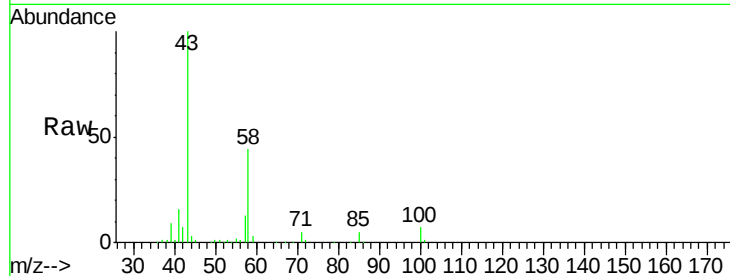




#59
2-Hexanone
Concen: 108.84 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

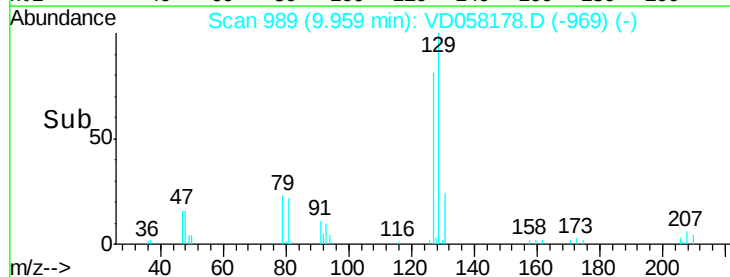
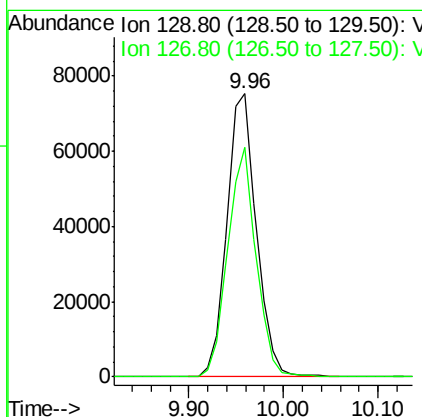
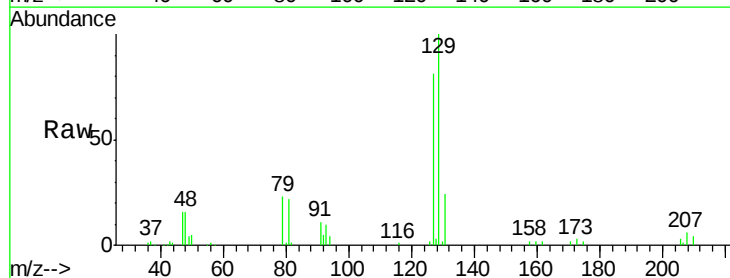
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD01

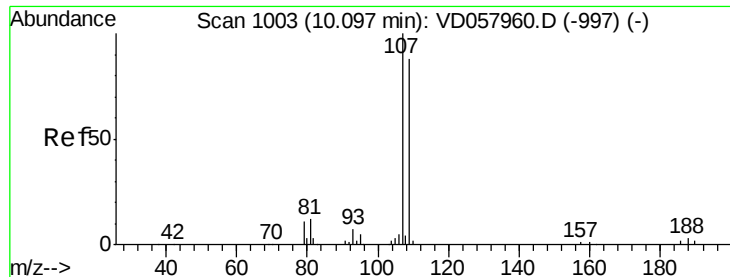
Tot Ion: 43 Resp: 440213
Ion Ratio Lower Upper
43 100
58 44.1 22.5 67.5



#60
Dibromochloromethane
Concen: 22.03 ug/l
RT: 9.96 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 129 Resp: 162298
Ion Ratio Lower Upper
129 100
127 81.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 21.69 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

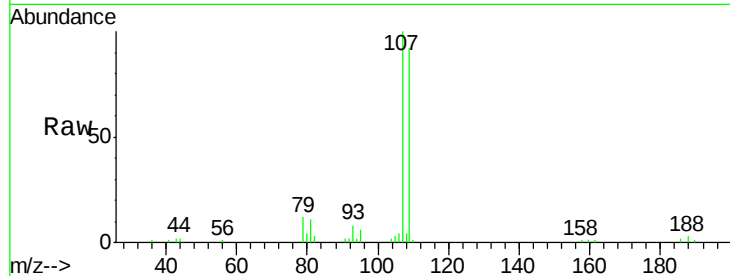
VD0618SBSD01

Tot Ion:107 Resp: 130277

Ion Ratio Lower Upper

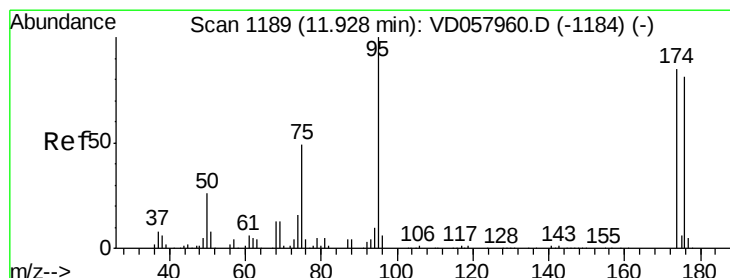
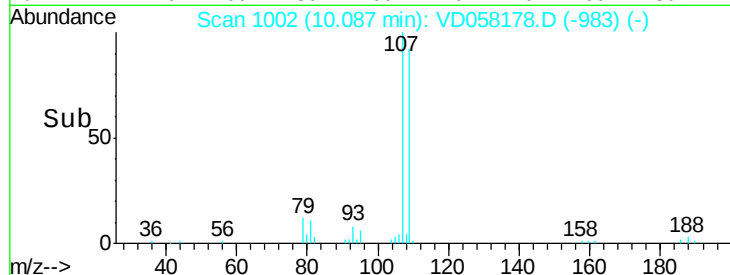
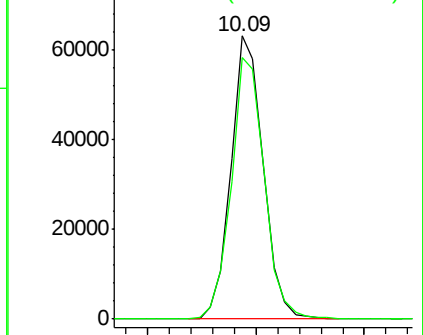
107 100

109 92.4 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 21.69 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

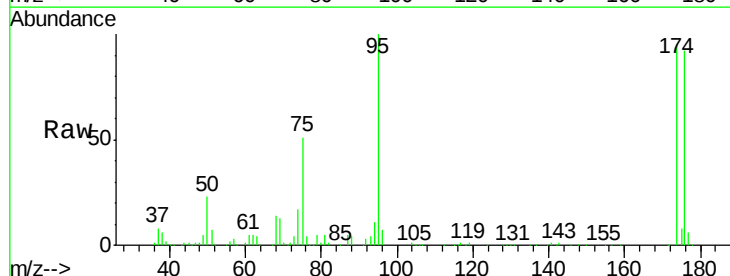
Tgt Ion: 95 Resp: 412971

Ion Ratio Lower Upper

95 100

174 95.2 0.0 169.4

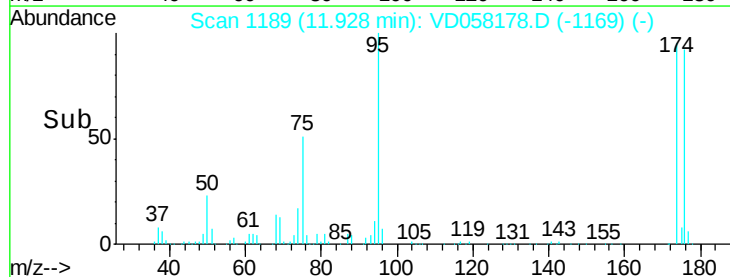
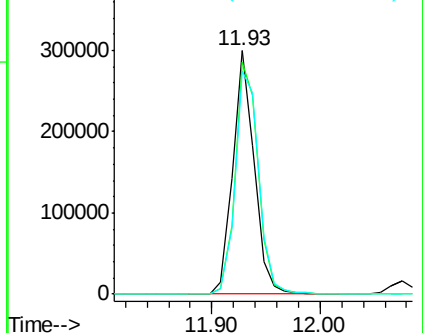
176 91.6 0.0 162.6

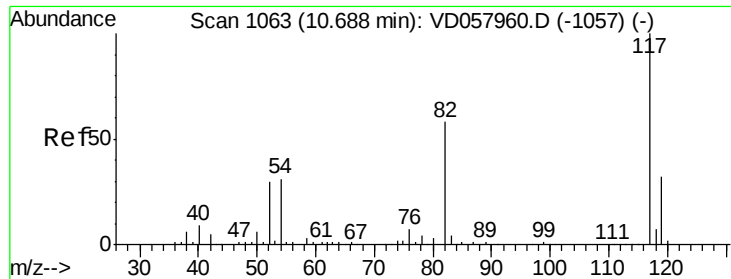


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

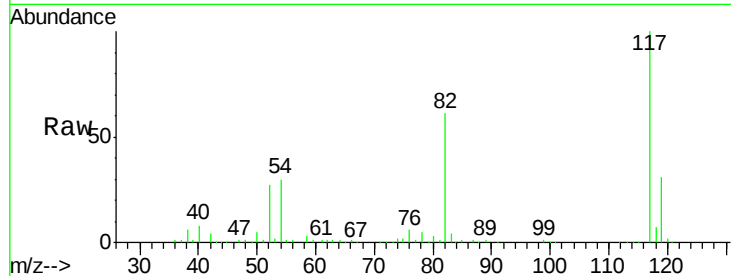




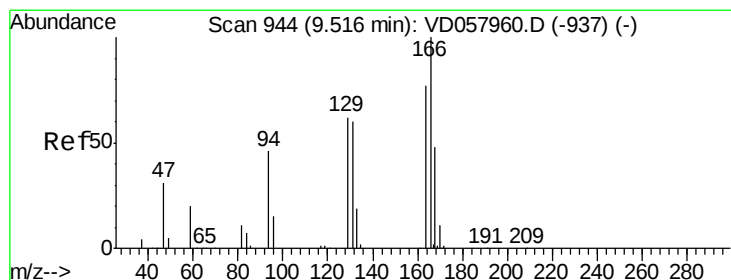
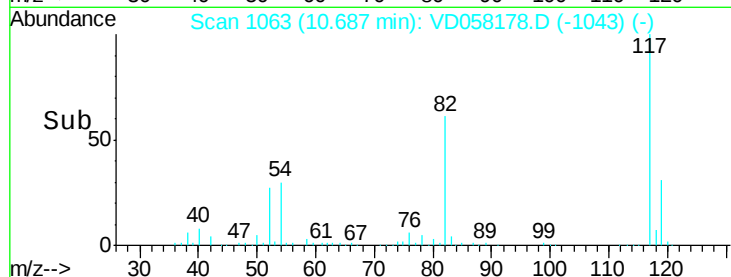
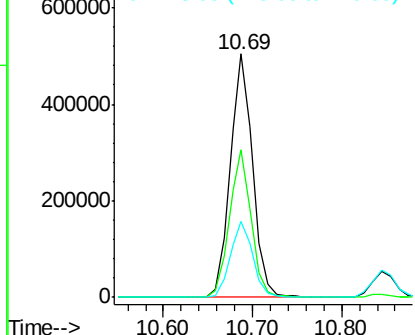
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD01

Tot Ion:117 Resp: 891668
Ion Ratio Lower Upper
117 100
82 60.7 46.8 70.2
119 30.9 25.8 38.6

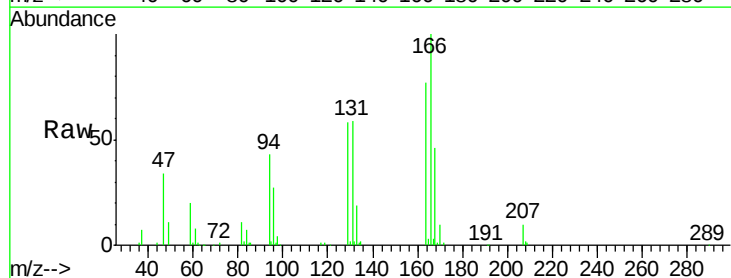


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

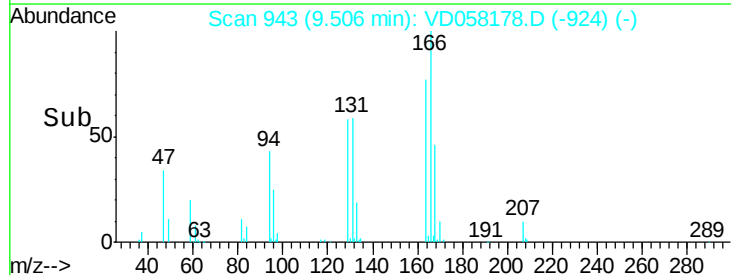
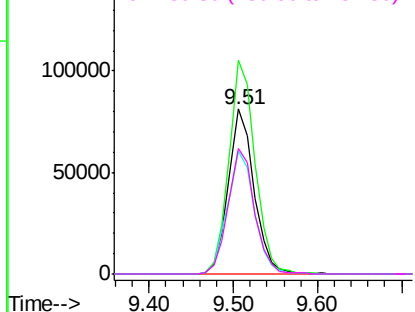


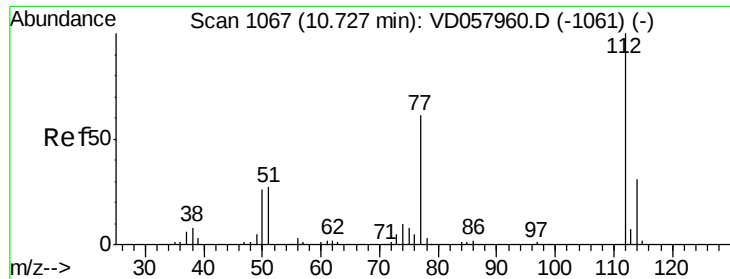
#64
Tetrachloroethene
Concen: 21.84 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion:164 Resp: 174096
Ion Ratio Lower Upper
164 100
166 129.6 104.4 156.6
129 74.7 65.0 97.6
131 76.1 62.9 94.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

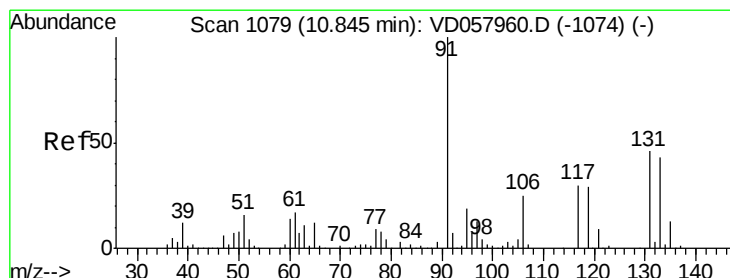
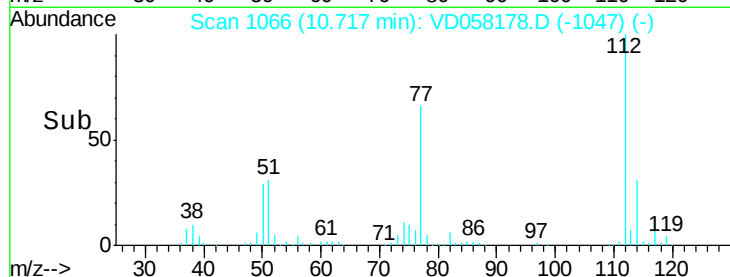
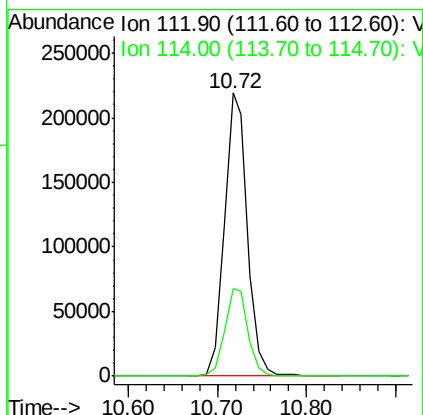
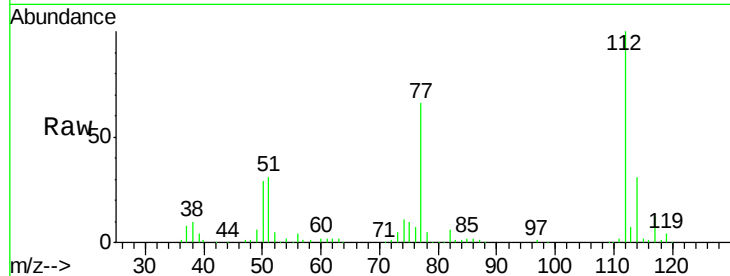




#65
Chlorobenzene
Concen: 21.92 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

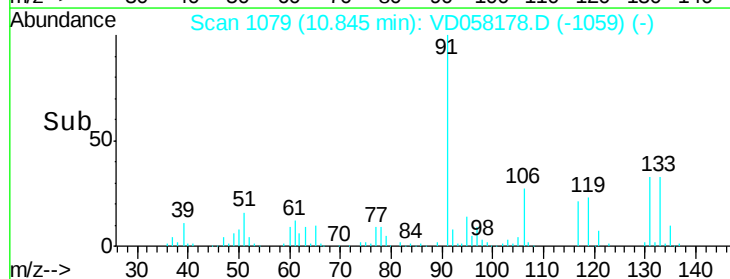
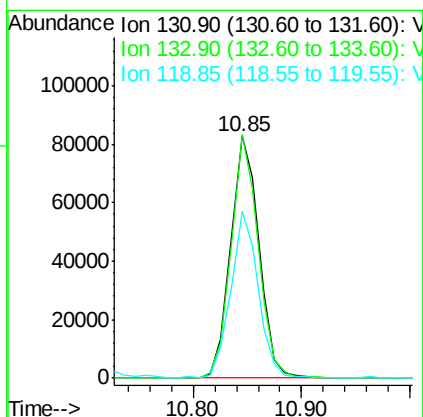
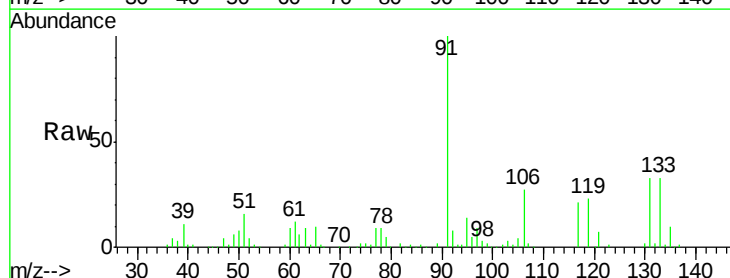
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD01

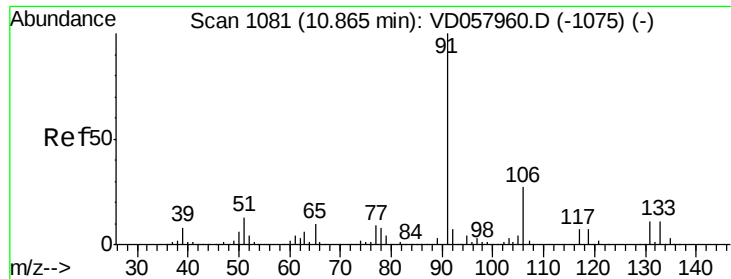
Tot Ion:112 Resp: 395597
Ion Ratio Lower Upper
112 100
114 31.0 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.65 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion:131 Resp: 150157
Ion Ratio Lower Upper
131 100
133 100.5 46.9 140.6
119 68.8 31.8 95.3

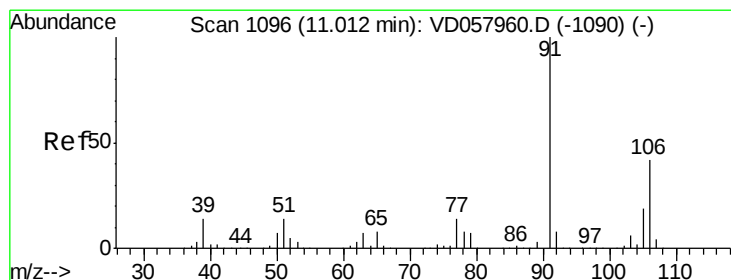
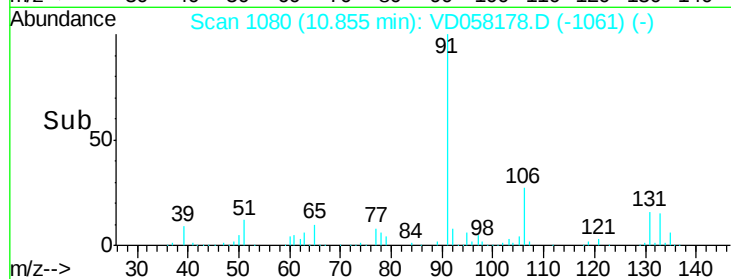
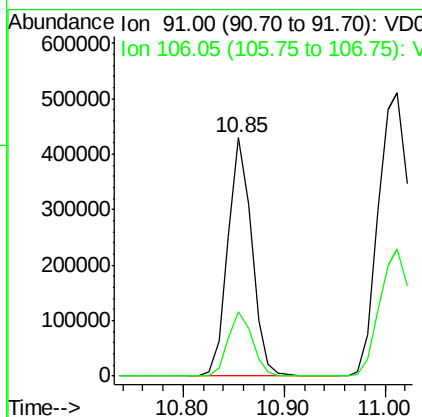
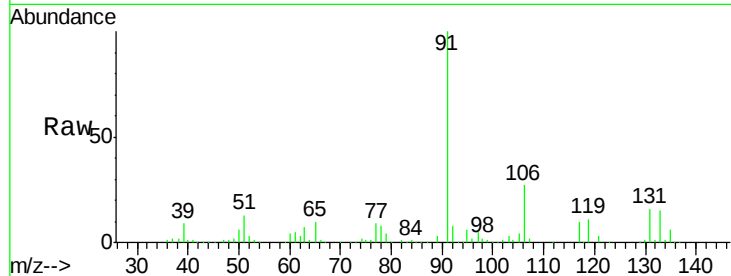




#67
Ethyl Benzene
Concen: 21.72 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

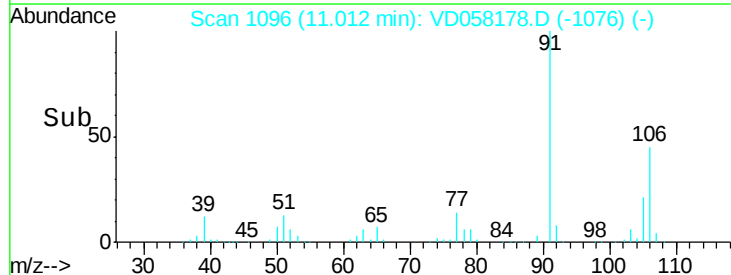
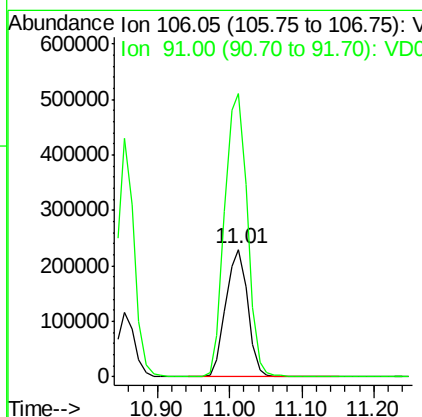
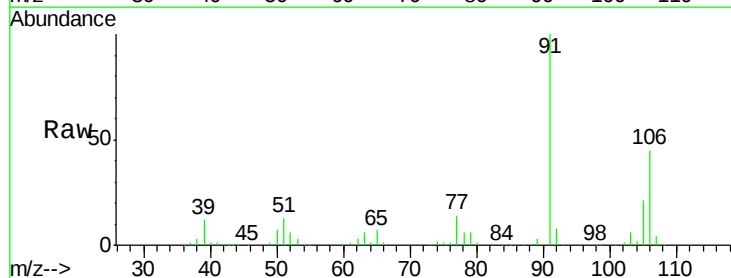
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

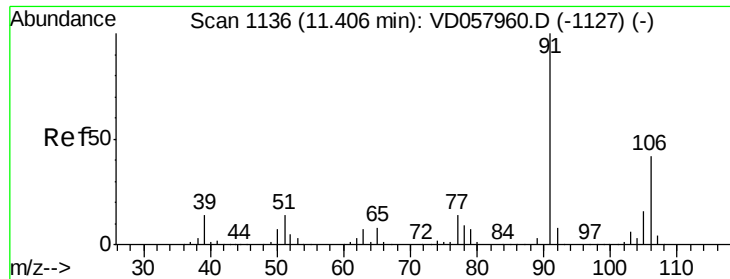
Tot Ion: 91 Resp: 708452
Ion Ratio Lower Upper
91 100
106 27.2 21.5 32.3



#68
m/p-Xylenes
Concen: 45.91 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 106 Resp: 488044
Ion Ratio Lower Upper
106 100
91 222.2 190.4 285.6

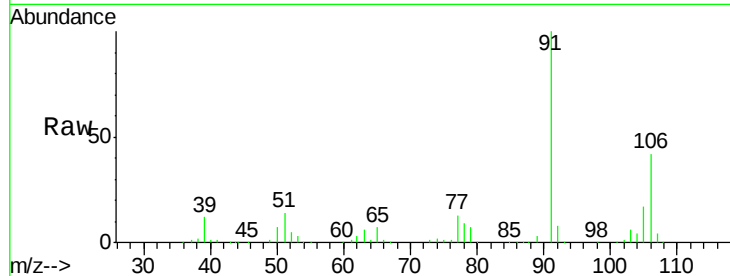




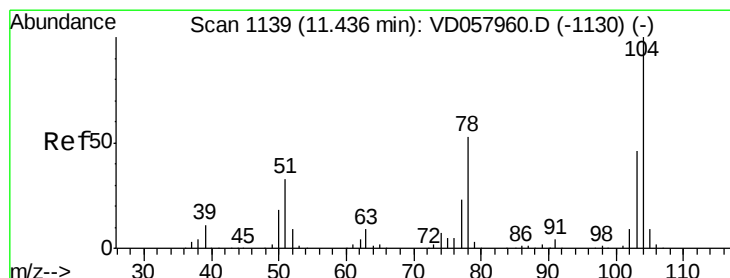
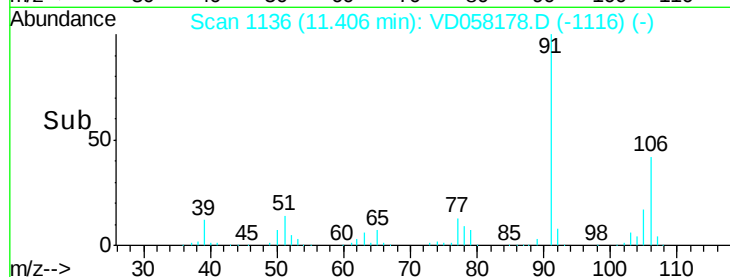
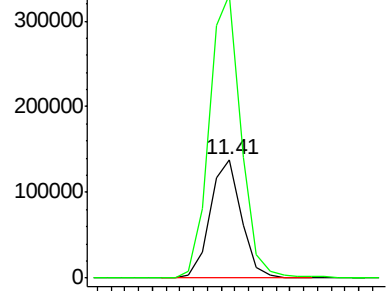
#69
o-Xylene
Concen: 20.70 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD01

Tot Ion:106 Resp: 218418
Ion Ratio Lower Upper
106 100
91 239.3 120.6 361.7

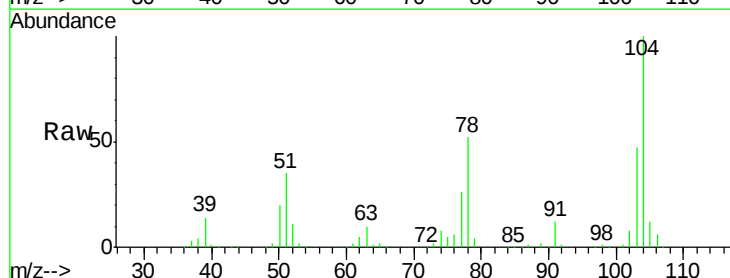


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

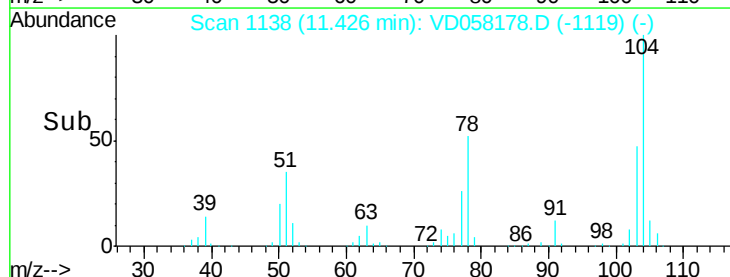
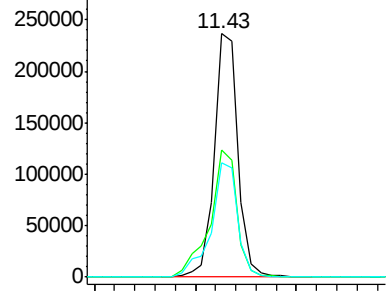


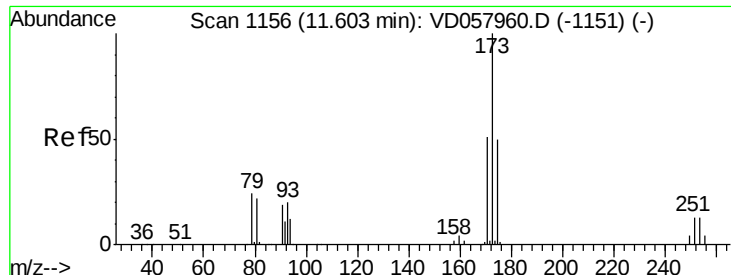
#70
Styrene
Concen: 22.09 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion:104 Resp: 385950
Ion Ratio Lower Upper
104 100
78 52.0 42.1 63.1
103 46.7 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

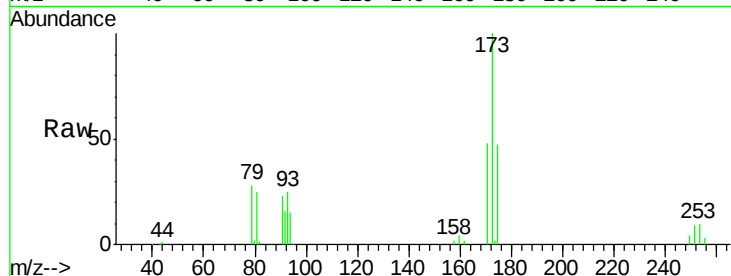




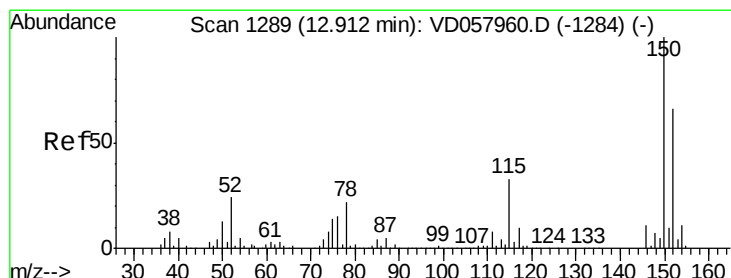
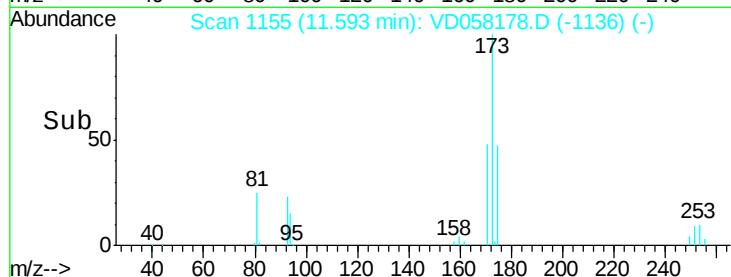
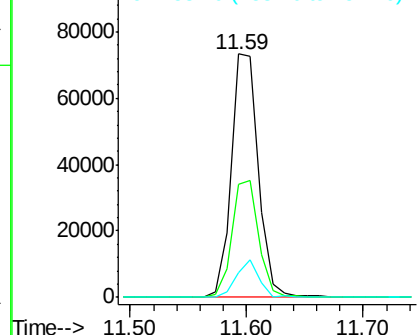
#71
Bromoform
Concen: 22.58 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD01

Tot Ion:173 Resp: 117782
Ion Ratio Lower Upper
173 100
175 46.5 25.1 75.2
254 10.1 10.7 16.1#

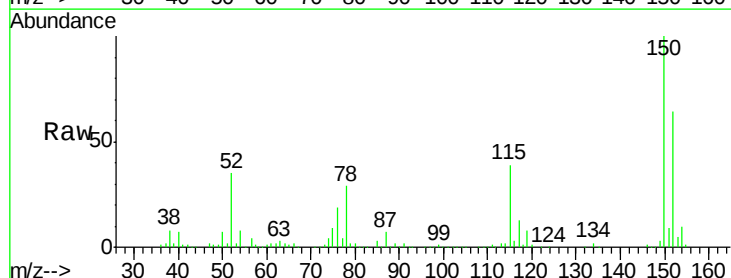


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

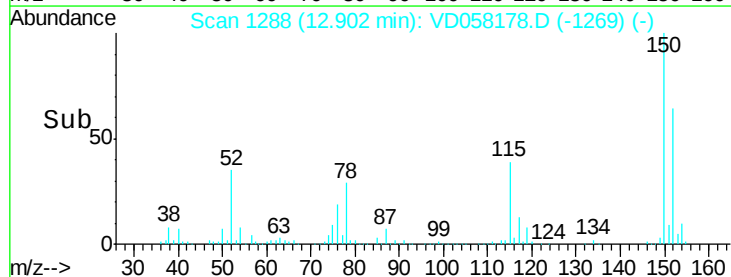
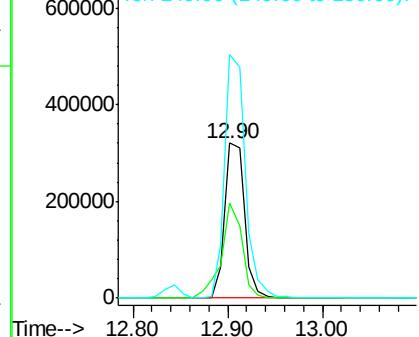


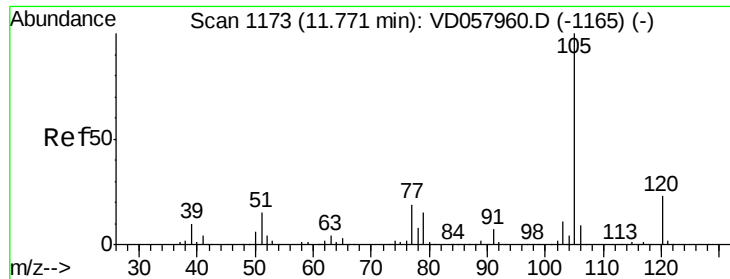
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion:152 Resp: 464984
Ion Ratio Lower Upper
152 100
115 61.2 25.6 76.6
150 156.9 0.0 306.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.80 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

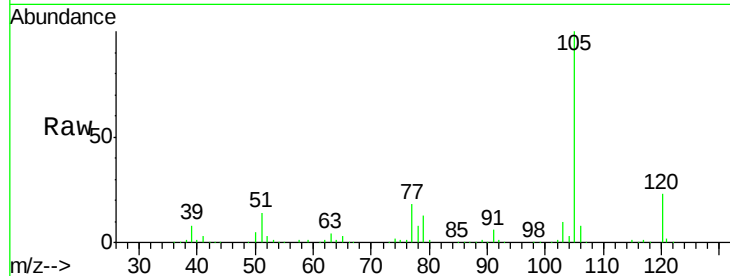
VD0618SBS01

Tot Ion:105 Resp: 671266

Ion Ratio Lower Upper

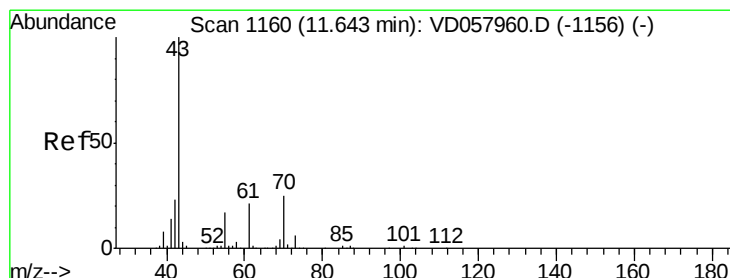
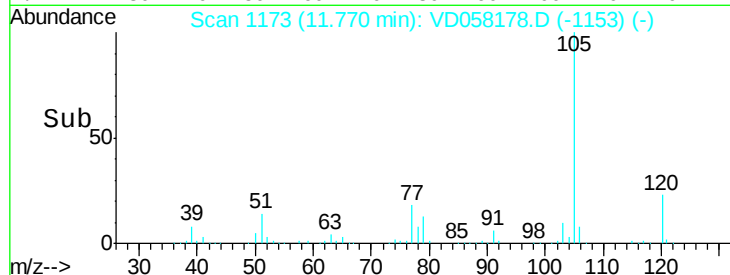
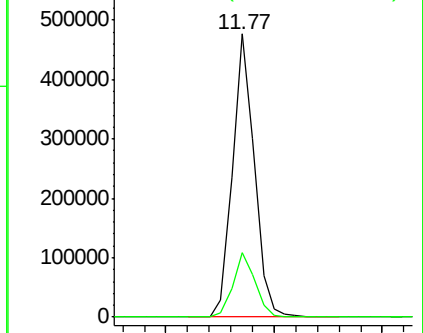
105 100

120 22.8 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.72 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Tgt Ion: 43 Resp: 246193

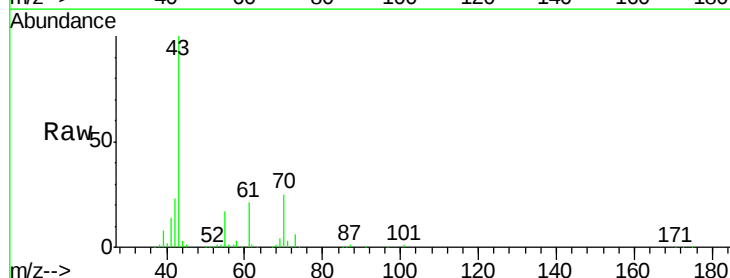
Ion Ratio Lower Upper

43 100

70 25.3 20.3 30.5

55 16.6 13.9 20.9

61 20.6 16.6 24.8

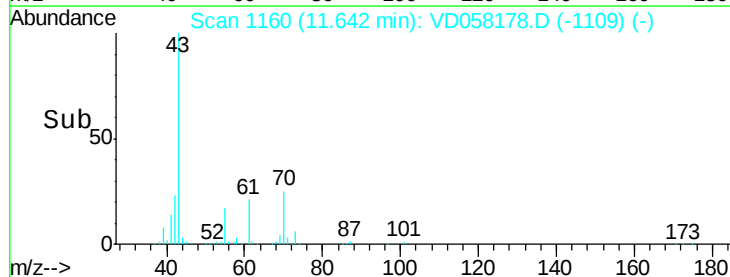
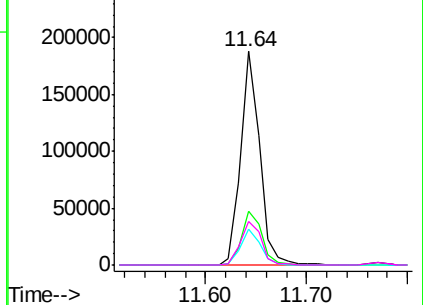


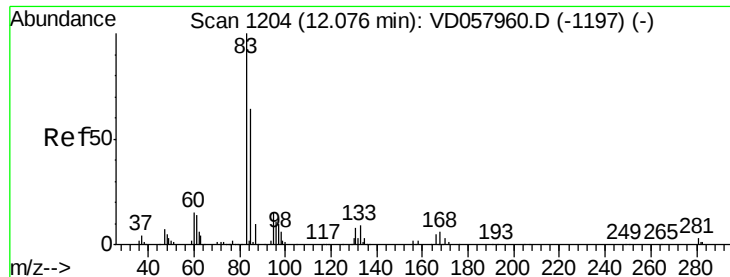
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.11 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

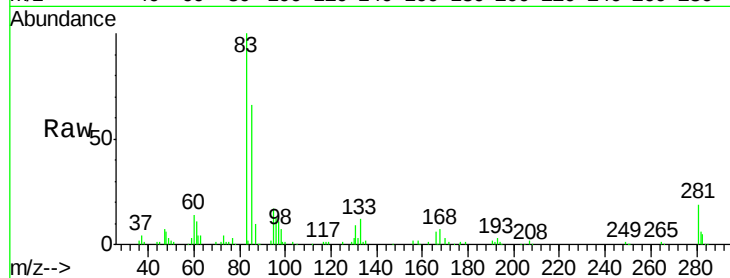
Tot Ion: 83 Resp: 141746

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.2	12.6
85	65.8	31.9	95.5

83 100

131 8.9 4.2 12.6

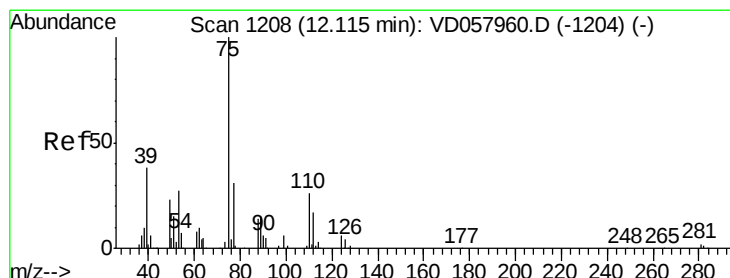
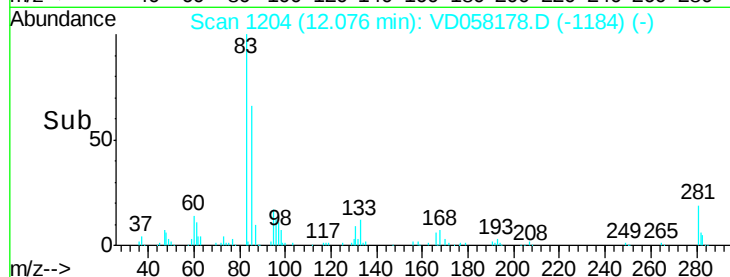
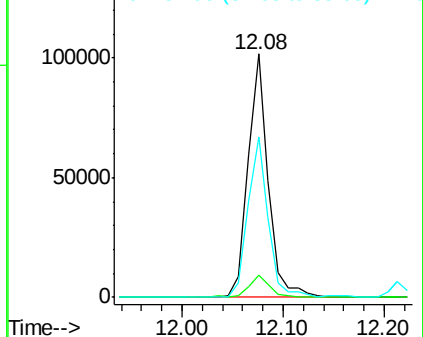
85 65.8 31.9 95.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.52 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD058178.D

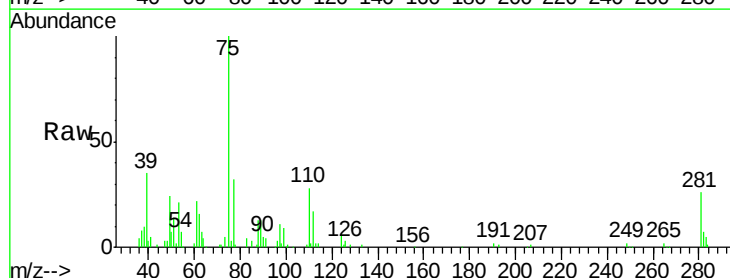
Acq: 18 Jun 2018 13:49

Tgt Ion: 75 Resp: 150286

Ion	Ratio	Lower	Upper
75	100		
77	31.7	16.7	50.1

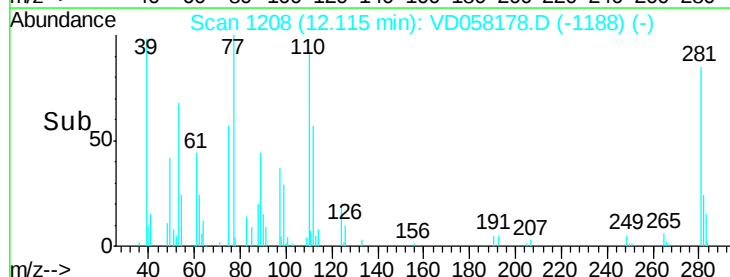
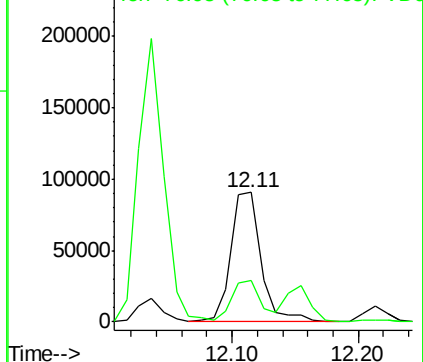
75 100

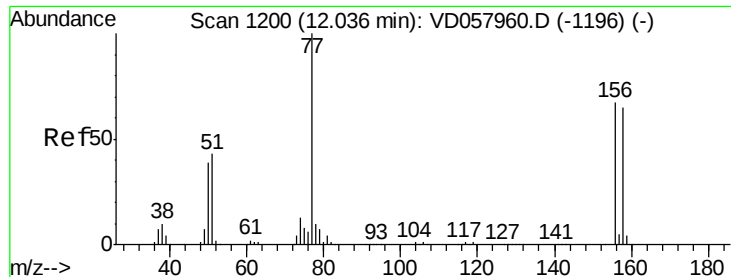
77 31.7 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.24 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

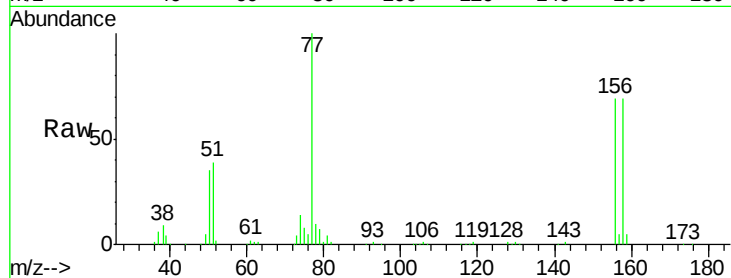
Tot Ion:156 Resp: 193596

Ion Ratio Lower Upper

156 100

77 145.2 75.0 224.8

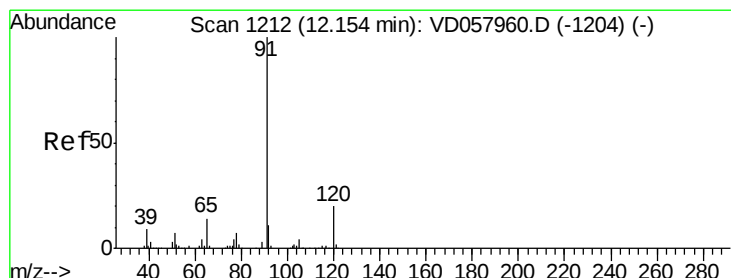
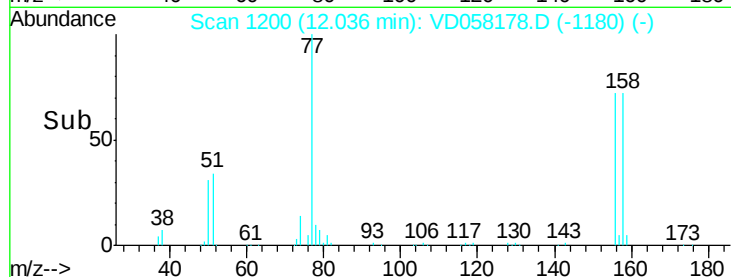
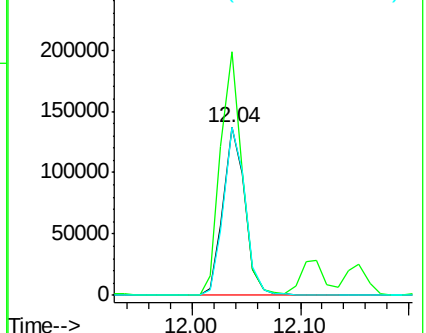
158 100.6 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.25 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058178.D

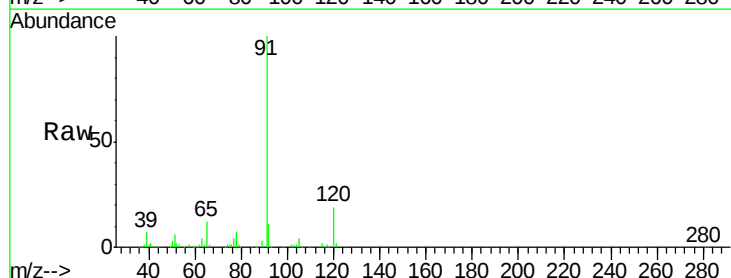
Acq: 18 Jun 2018 13:49

Tgt Ion: 91 Resp: 851457

Ion Ratio Lower Upper

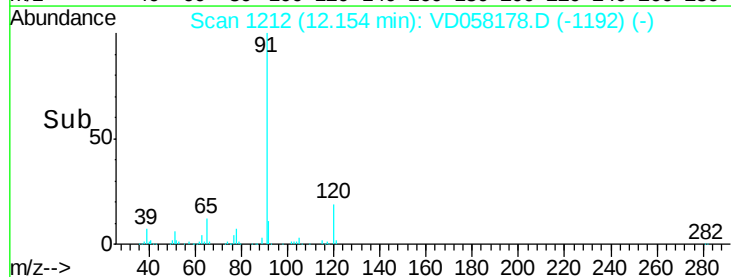
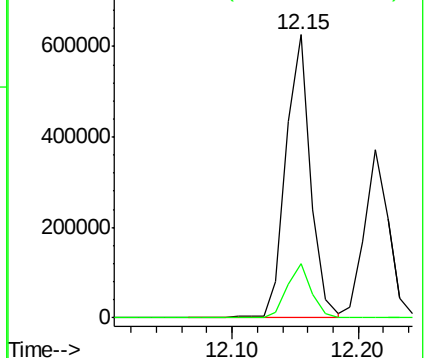
91 100

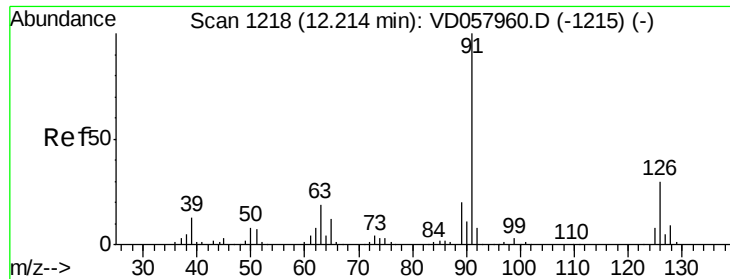
120 19.4 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

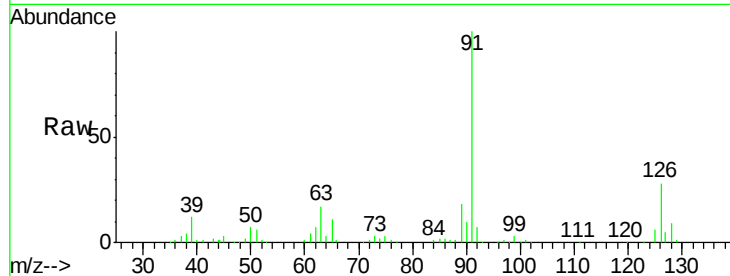




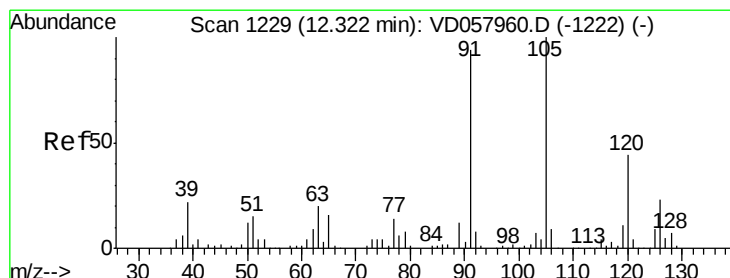
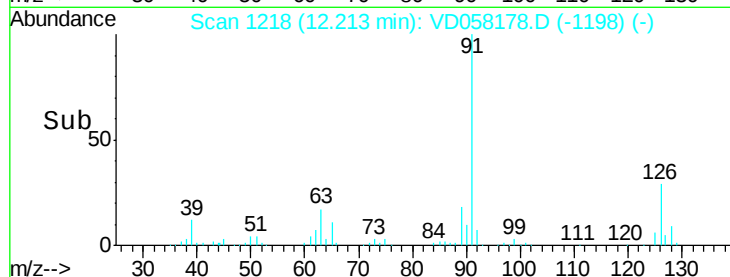
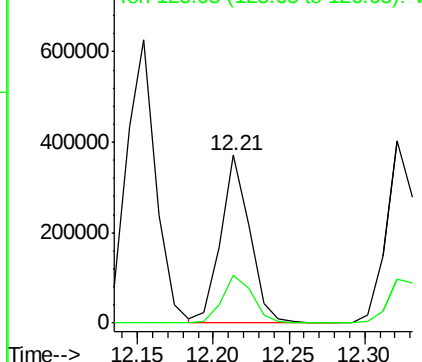
#79
 2-Chlorotoluene
 Concen: 21.42 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBSD01

Tot Ion: 91 Resp: 489640
 Ion Ratio Lower Upper
 91 100
 126 28.5 14.6 44.0

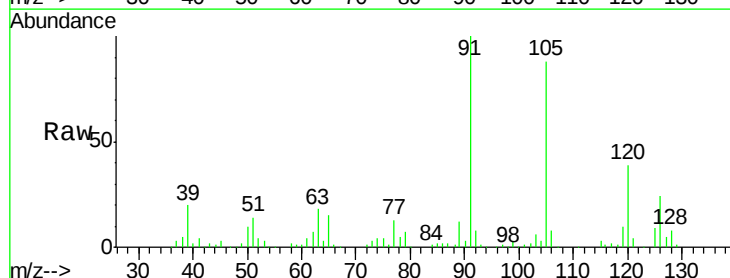


Abundance Ion 91.00 (90.70 to 91.70): VD057960.D (-1215) (-)
 Ion 125.95 (125.65 to 126.65): VD058178.D (-1198) (-)

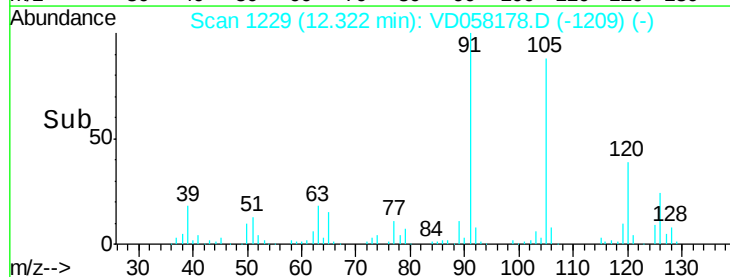
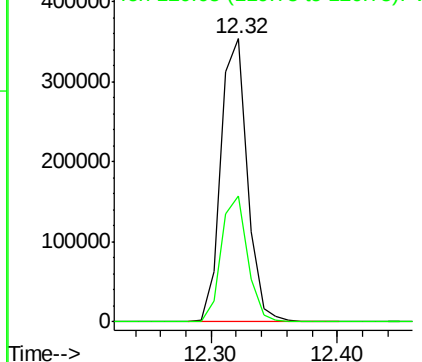


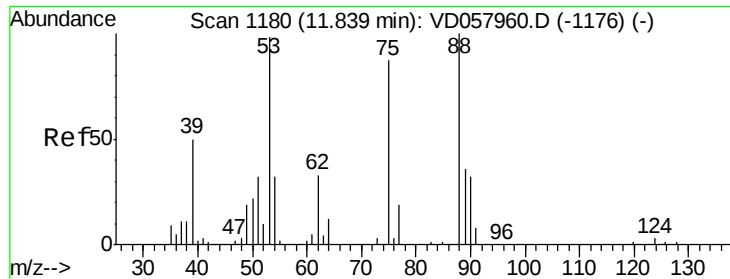
#80
 1,3,5-Trimethylbenzene
 Concen: 21.41 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion: 105 Resp: 514180
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.0 66.0



Abundance Ion 105.05 (104.75 to 105.75): VD057960.D (-1222) (-)
 Ion 120.05 (119.75 to 120.75): VD058178.D (-1209) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.34 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBSD01

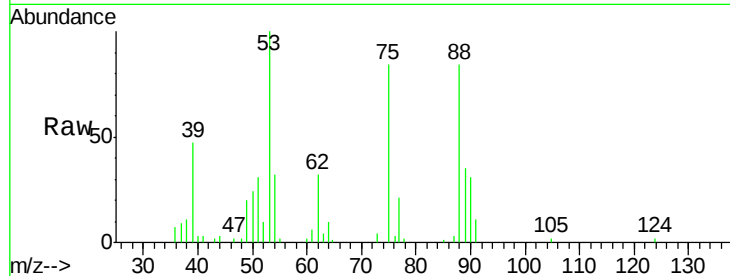
Tot Ion: 75 Resp: 36911

Ion Ratio Lower Upper

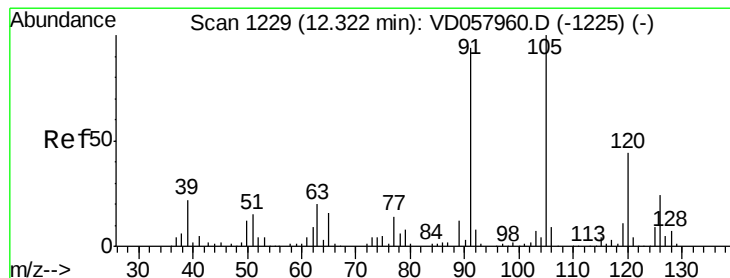
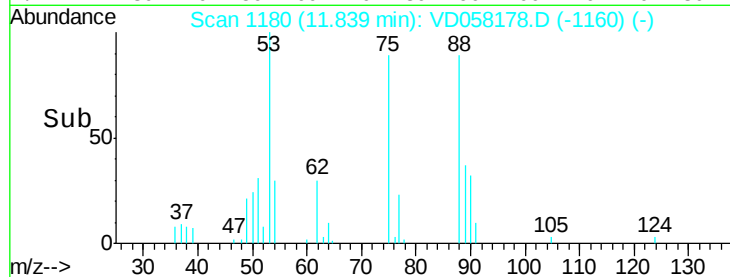
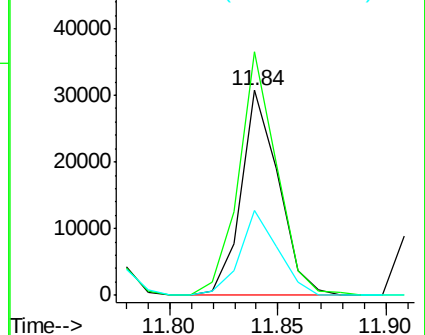
75 100

53 118.9 89.3 133.9

89 41.5 33.3 49.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.85 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058178.D

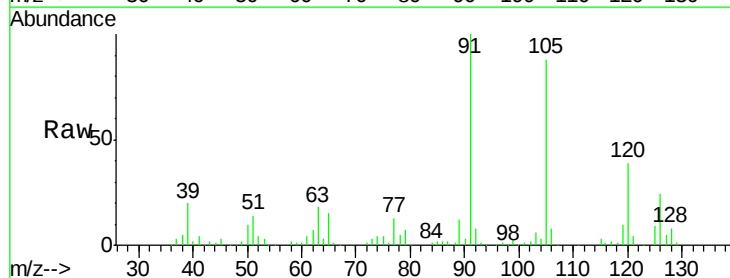
Acq: 18 Jun 2018 13:49

Tgt Ion: 91 Resp: 546384

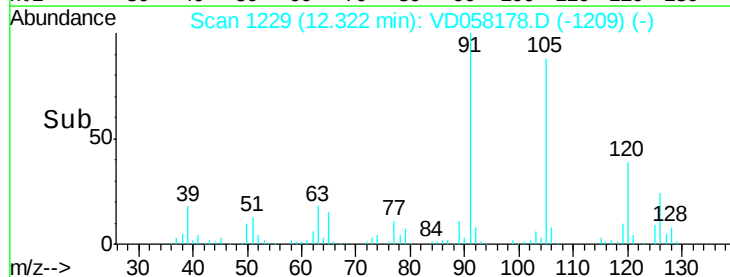
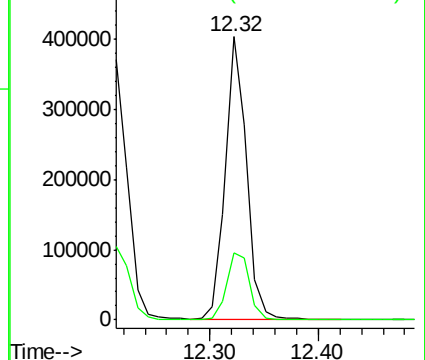
Ion Ratio Lower Upper

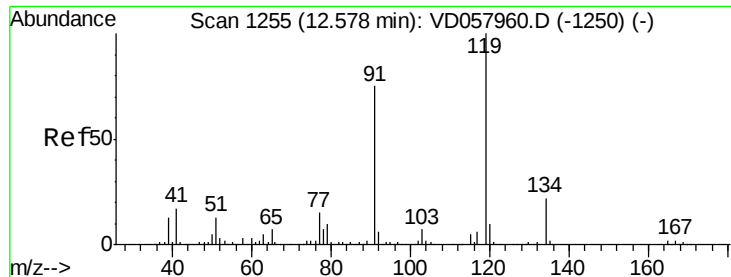
91 100

126 23.9 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

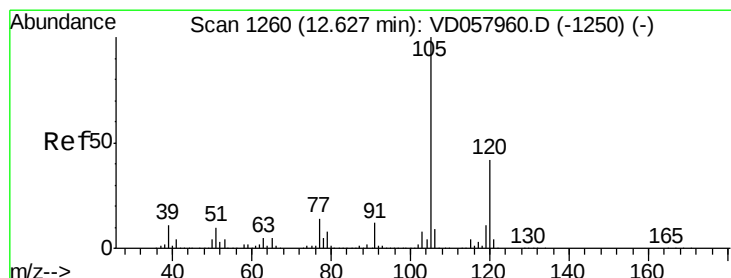
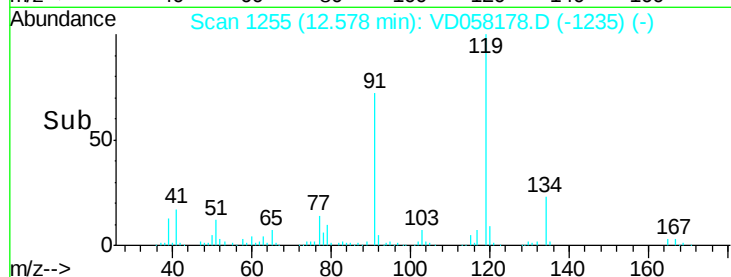
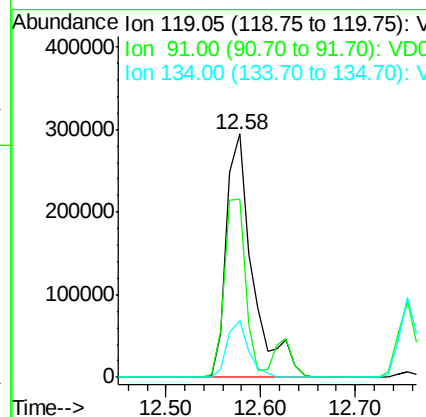
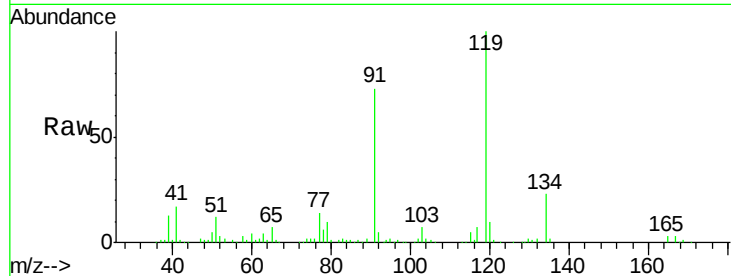




#83
 tert-Butylbenzene
 Concen: 20.92 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

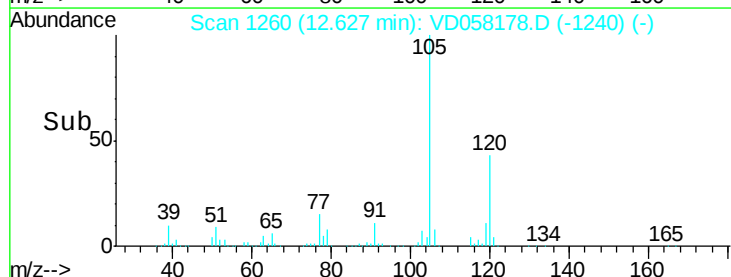
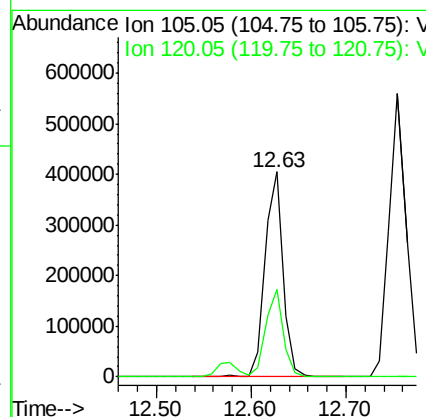
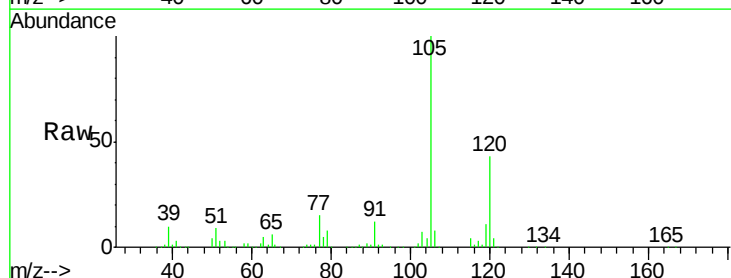
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

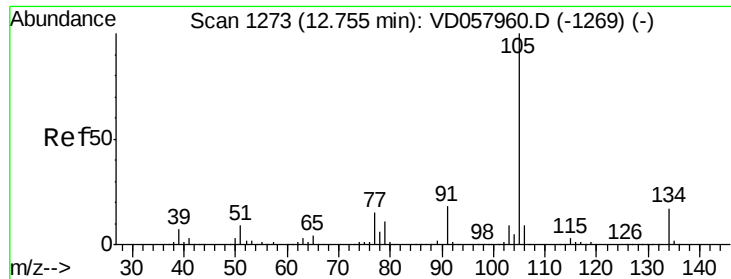
Tot Ion:119 Resp: 567275
 Ion Ratio Lower Upper
 119 100
 91 73.0 37.6 112.9
 134 23.3 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.96 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion:105 Resp: 541194
 Ion Ratio Lower Upper
 105 100
 120 43.0 21.2 63.6

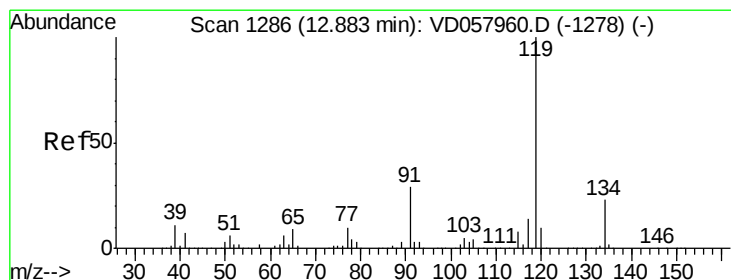
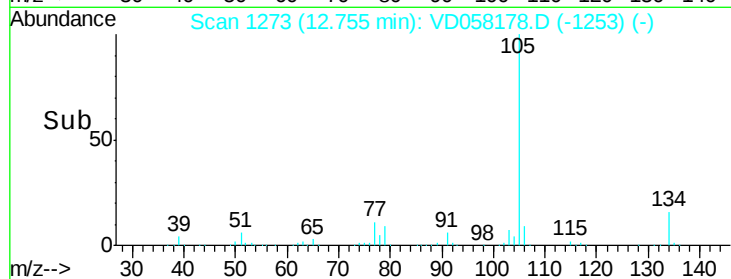
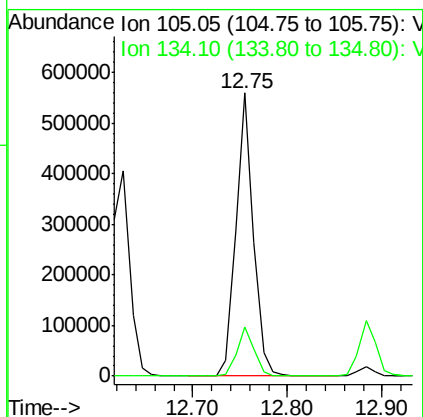
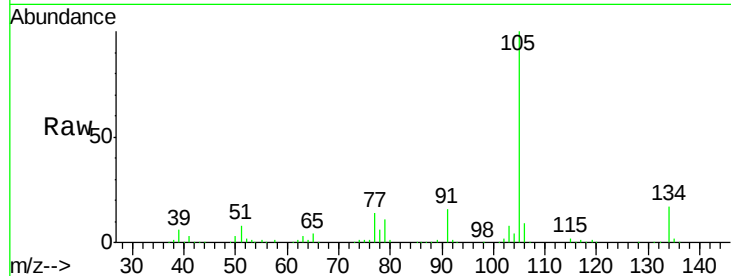




#85
 sec-Butylbenzene
 Concen: 21.65 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

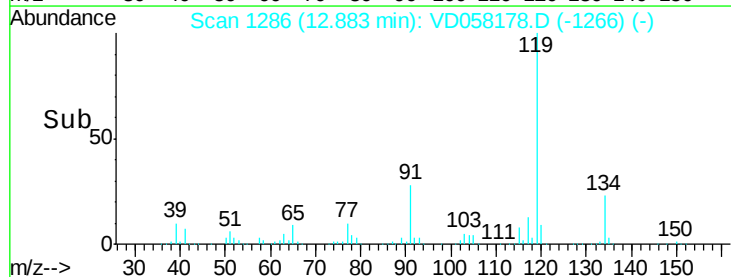
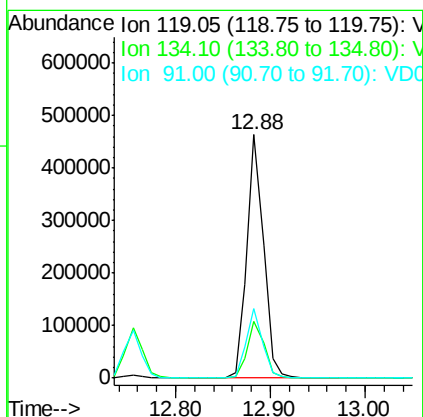
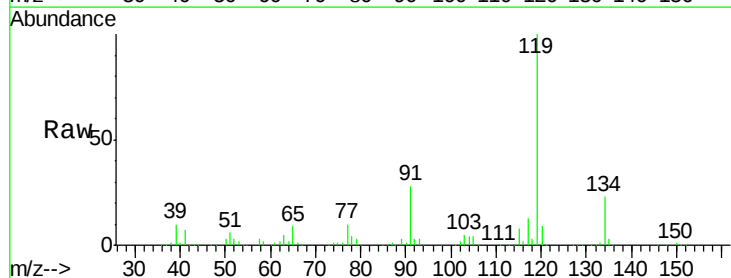
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

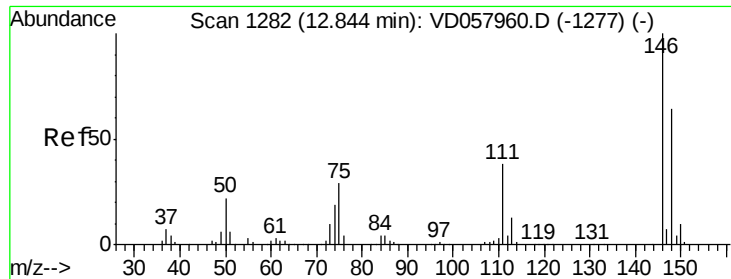
Tot Ion:105 Resp: 708621
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 21.55 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion:119 Resp: 568399
 Ion Ratio Lower Upper
 119 100
 134 23.4 11.5 34.4
 91 28.4 14.5 43.6

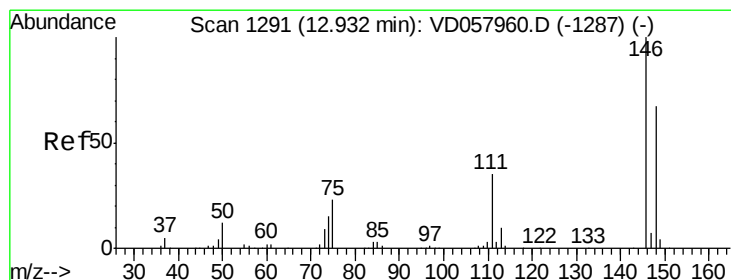
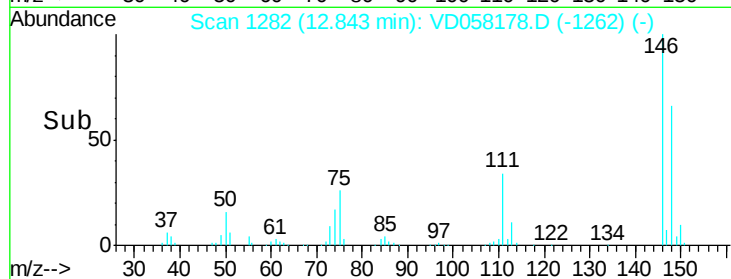
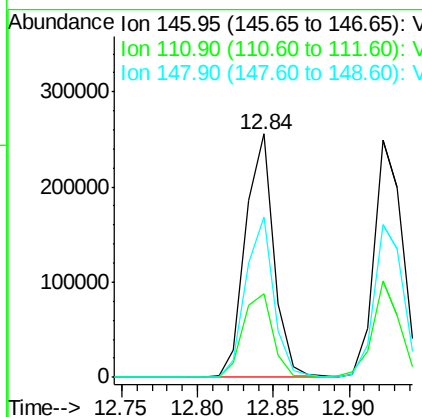
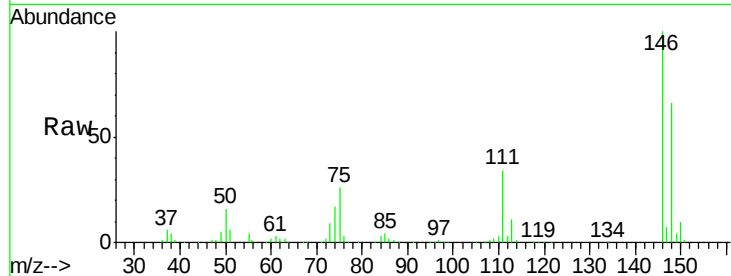




#87
 1,3-Dichlorobenzene
 Concen: 21.69 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

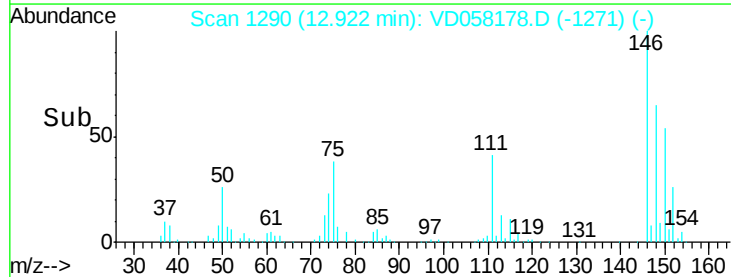
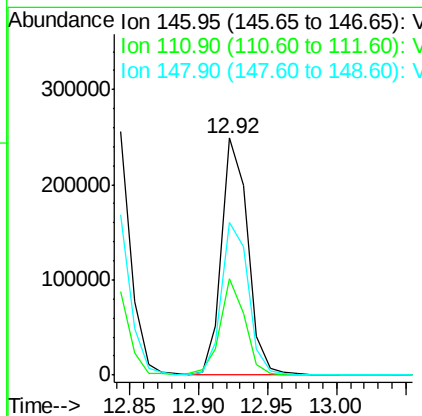
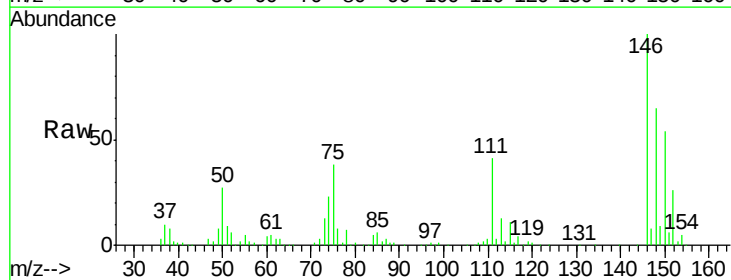
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

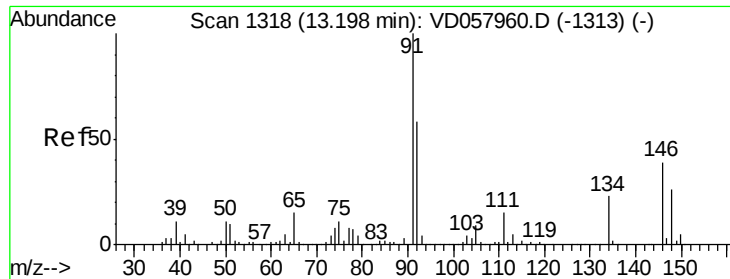
Tot Ion:146 Resp: 334516
 Ion Ratio Lower Upper
 146 100
 111 34.4 19.1 57.3
 148 65.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.75 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion:146 Resp: 326864
 Ion Ratio Lower Upper
 146 100
 111 40.8 17.3 52.0
 148 64.7 33.4 100.2

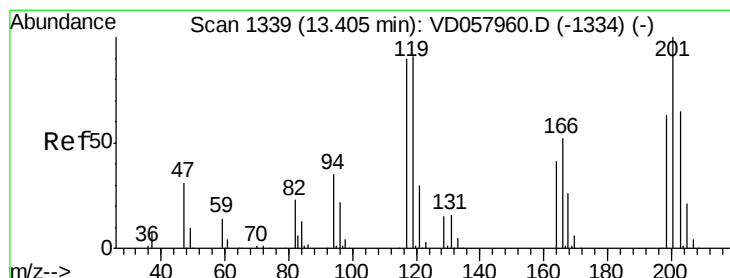
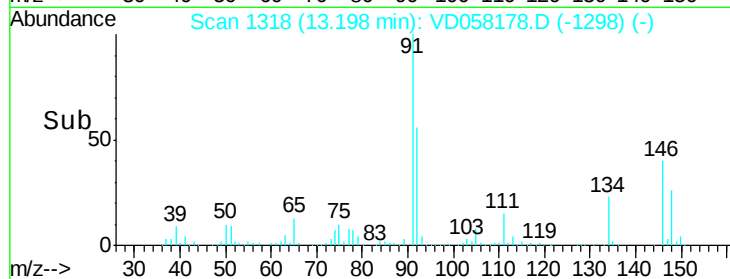
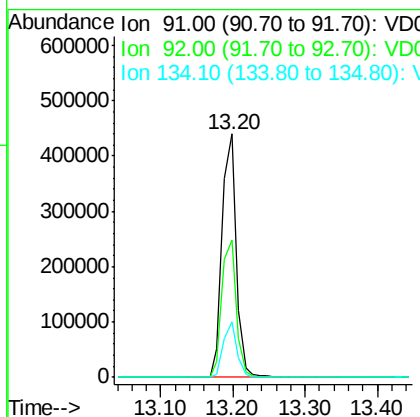
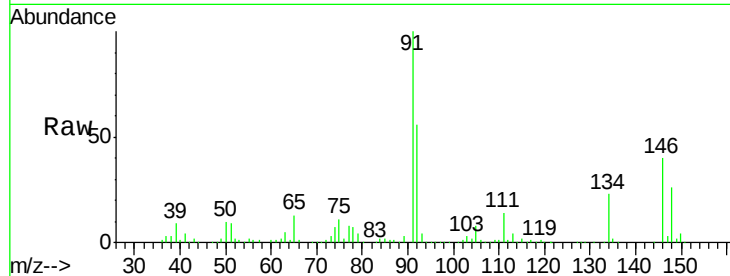




#89
n-Butylbenzene
Concen: 22.85 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

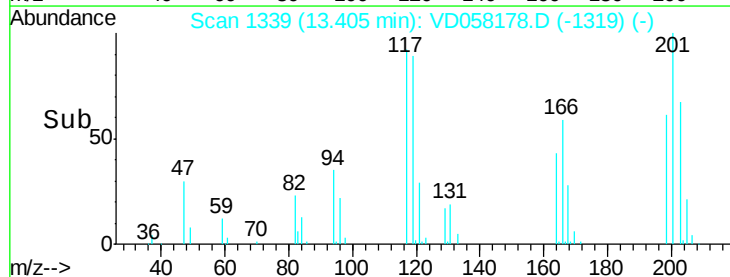
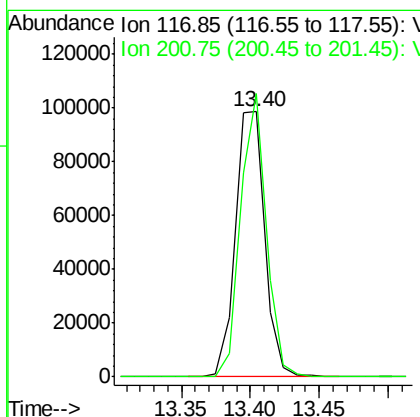
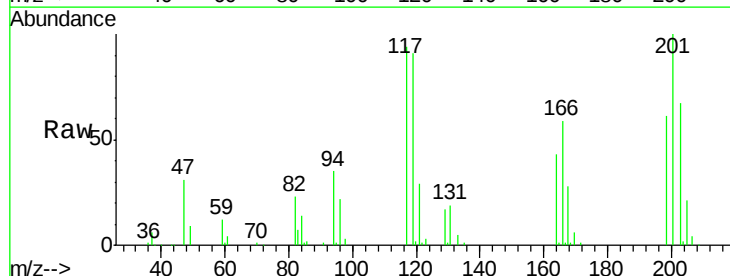
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

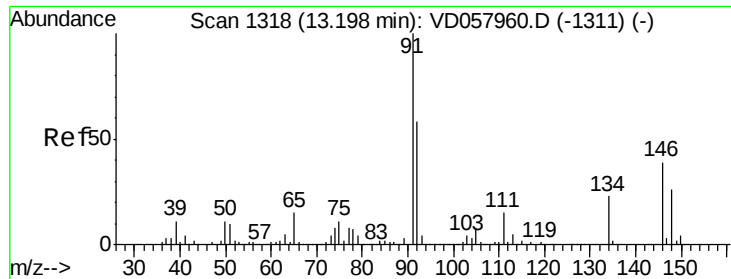
Tot Ion: 91 Resp: 599708
Ion Ratio Lower Upper
91 100
92 56.2 29.2 87.6
134 22.8 11.3 33.9



#90
Hexachloroethane
Concen: 21.84 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 117 Resp: 147053
Ion Ratio Lower Upper
117 100
201 106.8 55.4 166.0

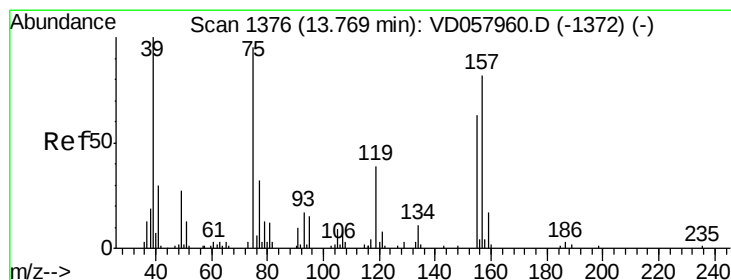
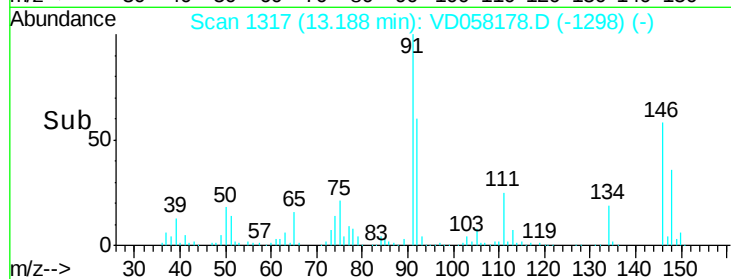
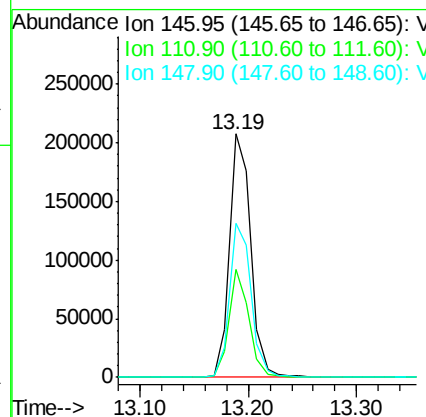
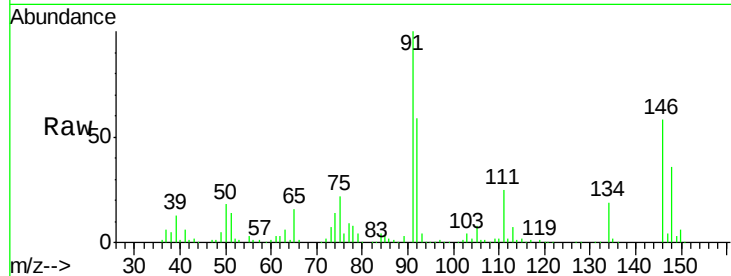




#91
 1,2-Dichlorobenzene
 Concen: 22.81 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

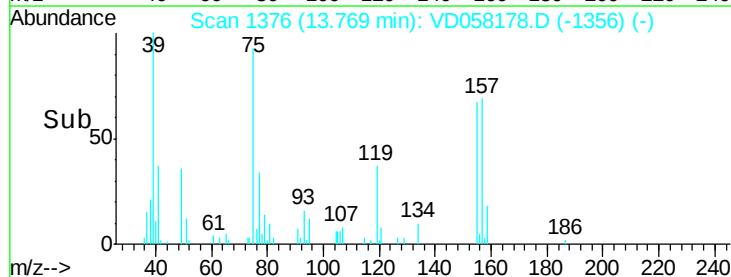
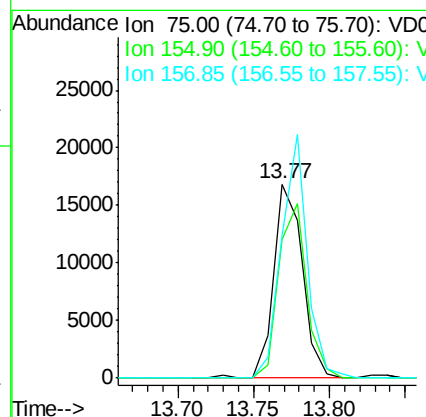
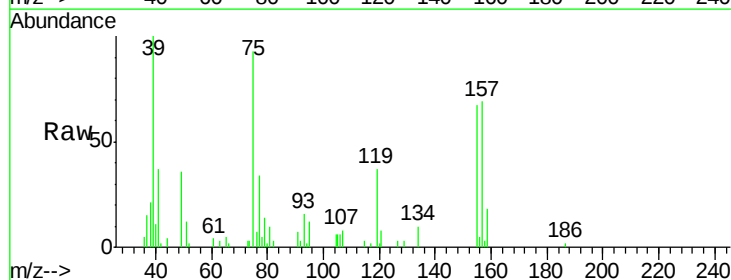
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBSD01

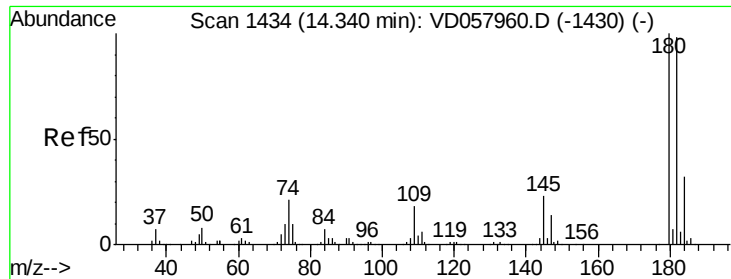
Tot Ion:146 Resp: 284241
 Ion Ratio Lower Upper
 146 100
 111 44.2 19.4 58.2
 148 63.2 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.62 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion: 75 Resp: 22405
 Ion Ratio Lower Upper
 75 100
 155 71.8 33.4 100.1
 157 73.6 42.9 128.5

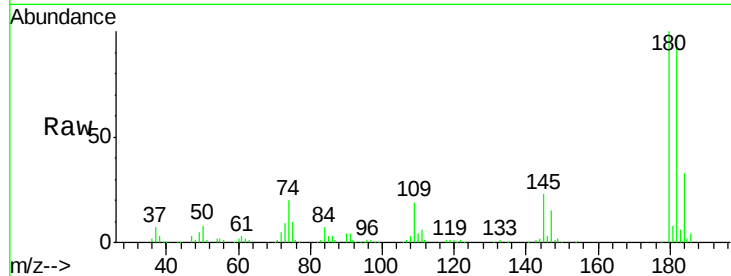




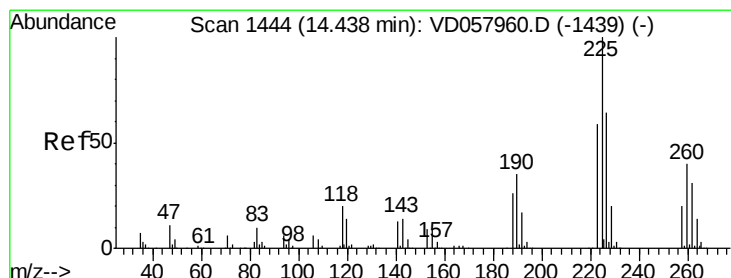
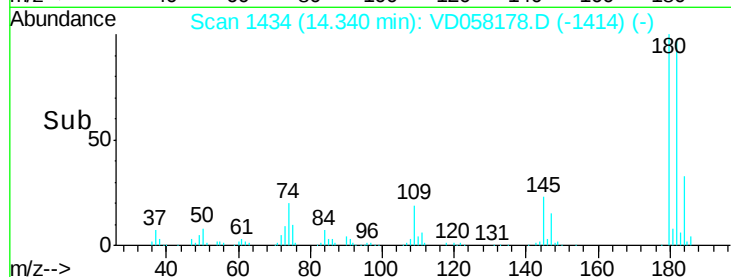
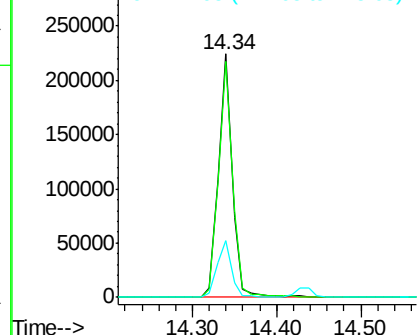
#93
 1,2,4-Trichlorobenzene
 Concen: 22.25 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

Tot Ion:180 Resp: 259062
 Ion Ratio Lower Upper
 180 100
 182 97.1 49.0 147.2
 145 23.2 11.8 35.3

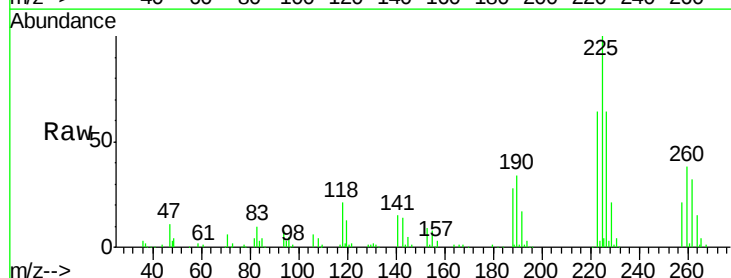


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

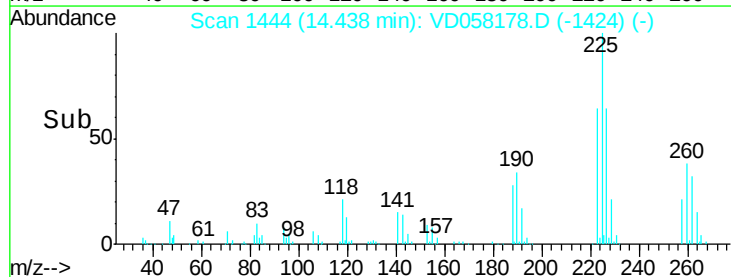
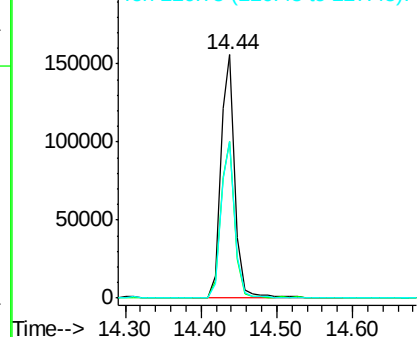


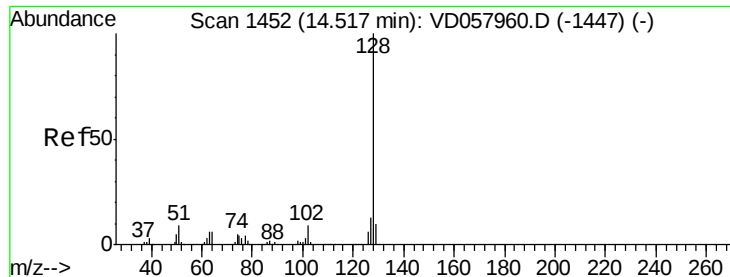
#94
 Hexachlorobutadiene
 Concen: 22.44 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion:225 Resp: 205467
 Ion Ratio Lower Upper
 225 100
 223 64.2 29.5 88.6
 227 64.5 32.0 96.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 23.08 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

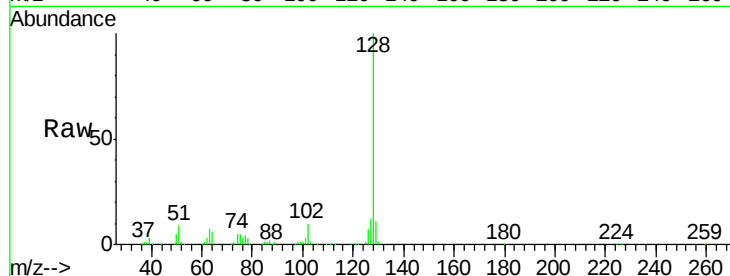
Tot Ion:128 Resp: 346432

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.2

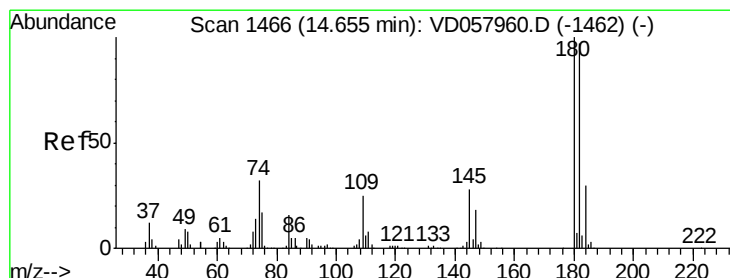
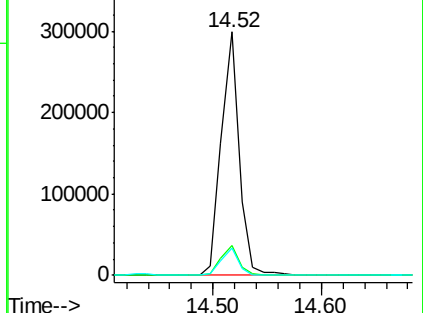
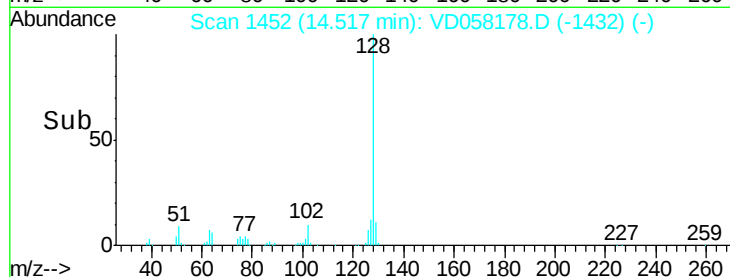
129 11.0 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.67 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. 0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

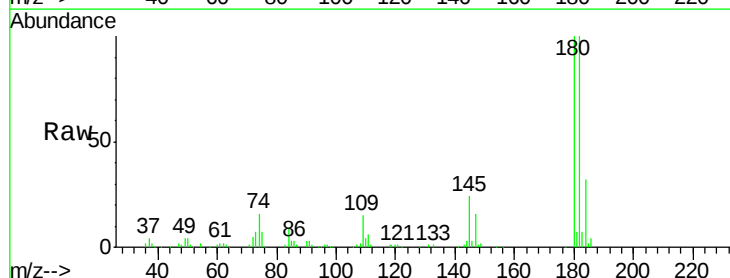
Tgt Ion:180 Resp: 234827

Ion Ratio Lower Upper

180 100

182 100.4 48.5 145.5

145 24.3 14.2 42.8



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

