

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\
 Data File : VD058177.D
 Acq On : 18 Jun 2018 13:20
 Operator : VA/AP
 Sample : VD0618SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

Quant Time: Jun 19 05:48:07 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	899508	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	1143302	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	910496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	484584	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	414993	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
35) Dibromofluoromethane	5.55	113	452688	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
50) Toluene-d8	8.71	98	1000552	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
62) 4-Bromofluorobenzene	11.93	95	426712	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	248548	20.59	ug/l	100
3) Chloromethane	1.48	50	118749	19.97	ug/l	98
4) Vinyl Chloride	1.55	62	117162	20.36	ug/l	99
5) Bromomethane	1.79	94	34197	15.16	ug/l	90
6) Chloroethane	1.88	64	39780	17.52	ug/l	99
7) Trichlorofluoromethane	2.08	101	146564	18.63	ug/l	99
8) Diethyl Ether	2.34	74	33566	22.97	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.56	101	95869	20.43	ug/l	94
10) Methyl Iodide	2.68	142	108055	17.85	ug/l	91
11) Tert butyl alcohol	3.27	59	31475	130.65	ug/l #	92
12) 1,1-Dichloroethene	2.55	96	73892	20.48	ug/l	95
13) Acrolein	2.48	56	27100	78.55	ug/l	85
14) Allyl chloride	2.92	41	169239	20.34	ug/l	98
15) Acrylonitrile	3.35	53	106225	75.37	ug/l	96
16) Acetone	2.62	43	147596	113.92	ug/l	99
17) Carbon Disulfide	2.75	76	257055	19.67	ug/l	97
18) Methyl Acetate	2.93	43	52172	20.82	ug/l #	91
19) Methyl tert-butyl Ether	3.40	73	297022	18.71	ug/l	97
20) Methylene Chloride	3.07	84	82097	21.61	ug/l	93
21) trans-1,2-Dichloroethene	3.38	96	103962	12.94	ug/l	84
22) Diisopropyl ether	4.07	45	657255	19.94	ug/l	96
23) Vinyl Acetate	4.01	43	1835665	107.76	ug/l	100
24) 1,1-Dichloroethane	3.97	63	367176	20.26	ug/l	100
25) 2-Butanone	4.84	43	311958	105.95	ug/l #	89
26) 2,2-Dichloropropane	4.79	77	310893	20.83	ug/l	99
27) cis-1,2-Dichloroethene	4.80	96	208021	21.83	ug/l	92
28) Bromochloromethane	5.15	49	164479	20.97	ug/l	87
29) Tetrahydrofuran	5.18	42	149219	96.67	ug/l	93
30) Chloroform	5.32	83	384511	21.09	ug/l	96
31) Cyclohexane	5.59	56	316022	20.21	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	322280	21.11	ug/l	95
36) 1,1-Dichloropropene	5.75	75	278164	22.08	ug/l	98
37) Ethyl Acetate	4.92	43	152440	22.18	ug/l #	98
38) Carbon Tetrachloride	5.73	117	276994	22.31	ug/l	97

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Quant Time: Jun 19 05:48:07 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)
39) Methylcyclohexane	7.28	83	280485	22.46	ug/l	95
40) Benzene	6.01	78	638541	21.70	ug/l	99
41) Methacrylonitrile	5.12	41	75177	23.92	ug/l	94
42) 1,2-Dichloroethane	6.13	62	260213	21.87	ug/l	100
43) Isopropyl Acetate	7.62	43	198198	22.02	ug/l #	92
44) Trichloroethene	6.98	130	191515	22.28	ug/l	99
45) 1,2-Dichloropropane	7.34	63	174583	21.35	ug/l	98
46) Dibromomethane	7.46	93	115402	21.97	ug/l	96
47) Bromodichloromethane	7.74	83	267069	21.71	ug/l	99
48) Methyl methacrylate	7.50	41	112858	20.37	ug/l	98
49) 1,4-Dioxane	7.49	88	22831	497.37	ug/l	98
51) 4-Methyl-2-Pentanone	8.60	43	654904	113.42	ug/l	98
52) Toluene	8.80	92	363457	21.52	ug/l	98
53) t-1,3-Dichloropropene	9.19	75	239969	22.64	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	276636	22.16	ug/l	97
55) 1,1,2-Trichloroethane	9.45	97	129360	23.67	ug/l	98
56) Ethyl methacrylate	9.31	69	151301	22.57	ug/l	98
57) 1,3-Dichloropropane	9.66	76	220963	23.05	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	401685	118.59	ug/l	98
59) 2-Hexanone	9.78	43	486096	114.87	ug/l	99
60) Dibromochloromethane	9.96	129	180004	23.36	ug/l	99
61) 1,2-Dibromoethane	10.10	107	139328	22.17	ug/l	95
64) Tetrachloroethene	9.51	164	181139	22.25	ug/l	99
65) Chlorobenzene	10.72	112	414080	22.46	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	154667	21.84	ug/l	96
67) Ethyl Benzene	10.85	91	749649	22.51	ug/l	100
68) m/p-Xylenes	11.01	106	482653	44.46	ug/l	97
69) o-Xylene	11.41	106	231489	21.48	ug/l	100
70) Styrene	11.44	104	414914	23.26	ug/l	97
71) Bromoform	11.60	173	124303	23.33	ug/l	97
73) Isopropylbenzene	11.77	105	672927	20.97	ug/l	99
74) N-amyl acetate	11.64	43	254009	20.51	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	150589	21.52	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	163381	22.44	ug/l	97
77) Bromobenzene	12.04	156	210291	22.13	ug/l	94
78) n-propylbenzene	12.15	91	900836	21.57	ug/l	100
79) 2-Chlorotoluene	12.21	91	509499	21.38	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	537207	21.46	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	41776	23.17	ug/l	97
82) 4-Chlorotoluene	12.32	91	566204	22.70	ug/l	96
83) tert-Butylbenzene	12.58	119	623756	22.07	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	589086	21.89	ug/l	99
85) sec-Butylbenzene	12.75	105	729125	21.38	ug/l	99
86) p-Isopropyltoluene	12.88	119	614720	22.36	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	358798	22.33	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	352450	22.51	ug/l	92
89) n-Butylbenzene	13.20	91	653551	24.11	ug/l	99
90) Hexachloroethane	13.39	117	154553	22.03	ug/l	59
91) 1,2-Dichlorobenzene	13.19	146	310630	23.92	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	25105	23.25	ug/l	95

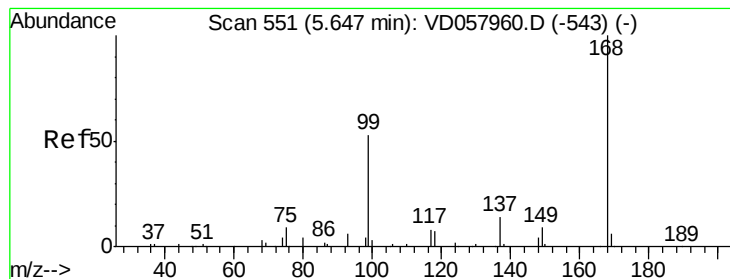
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061818\
Data File : VD058177.D
Acq On : 18 Jun 2018 13:20
Operator : VA/AP
Sample : VD0618SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
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Quant Time: Jun 19 05:48:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
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)
93) 1,2,4-Trichlorobenzene	14.34	180	272449	22.45	ug/l	100
94) Hexachlorobutadiene	14.44	225	220099	23.06	ug/l	98
95) Naphthalene	14.52	128	364992	23.33	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	238636	23.08	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

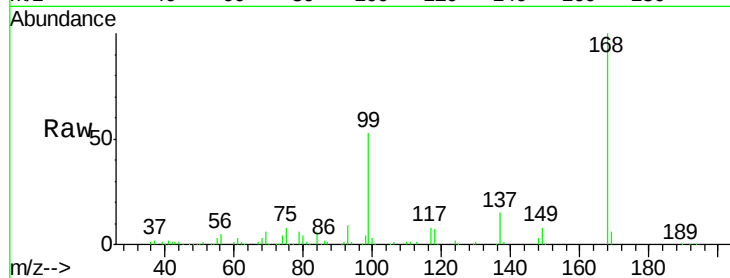
VD0618SBS01

Tot Ion:168 Resp: 899508

Ion Ratio Lower Upper

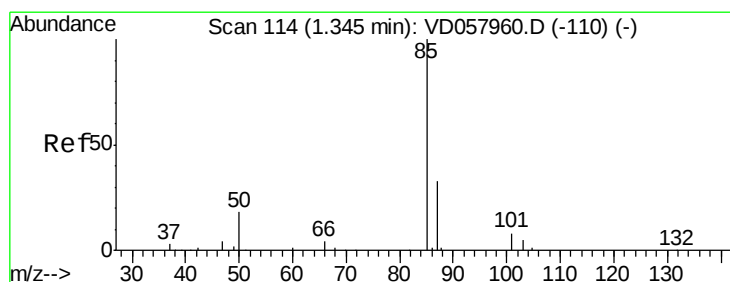
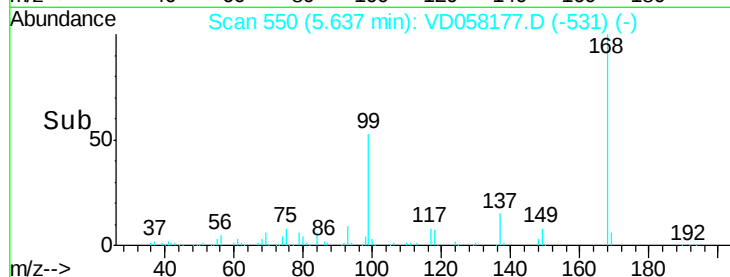
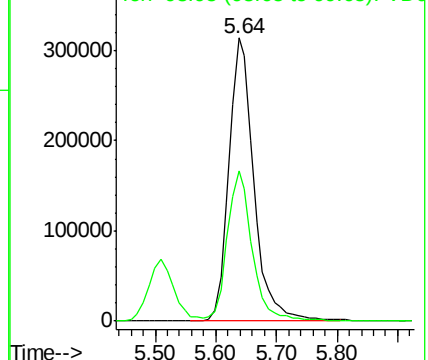
168 100

99 53.0 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: 20.59 ug/l

RT: 1.35 min Scan# 114

Delta R.T. -0.00 min

Lab File: VD058177.D

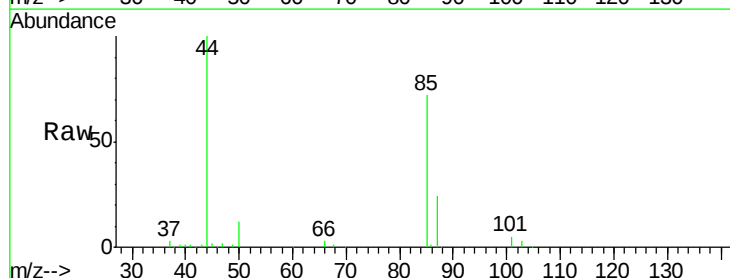
Acq: 18 Jun 2018 13:20

Tgt Ion: 85 Resp: 248548

Ion Ratio Lower Upper

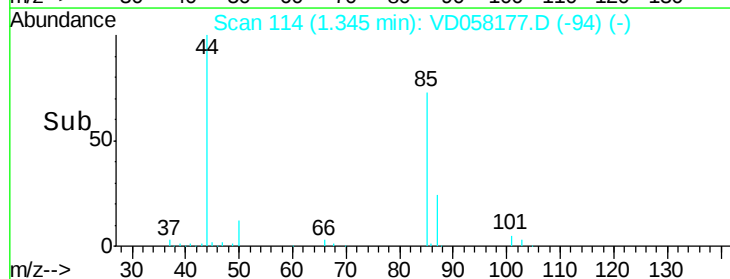
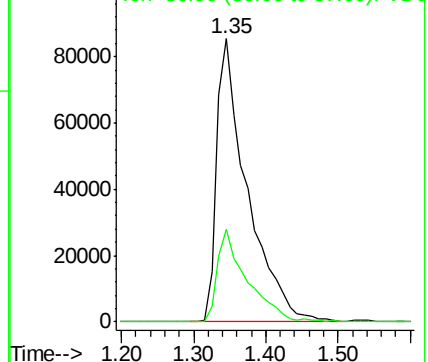
85 100

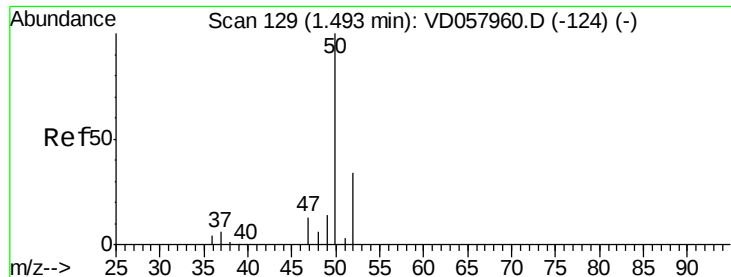
87 32.9 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.97 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

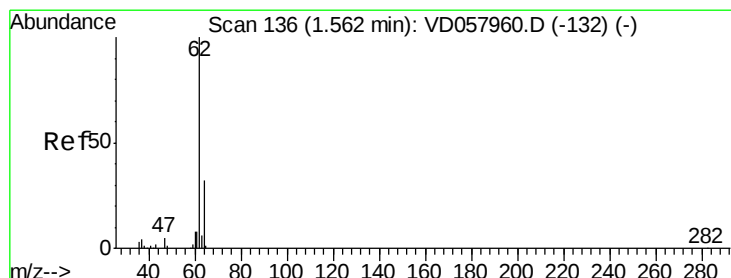
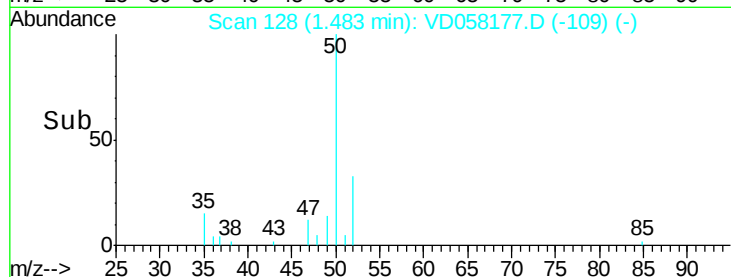
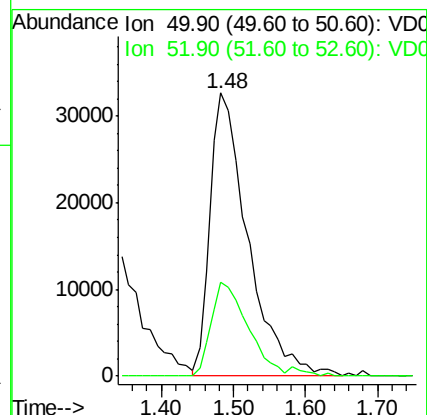
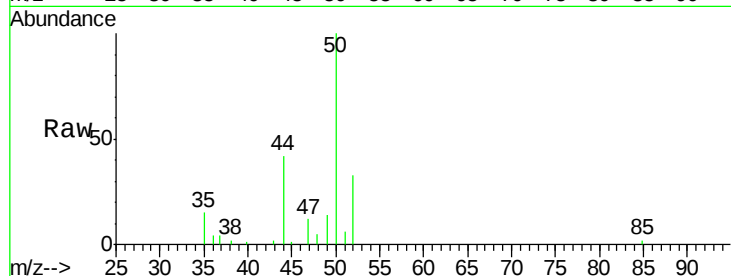
VD0618SBS01

Tot Ion: 50 Resp: 118749

Ion Ratio Lower Upper

50 100

52 33.1 27.2 40.8



#4

Vinyl Chloride

Concen: 20.36 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.01 min

Lab File: VD058177.D

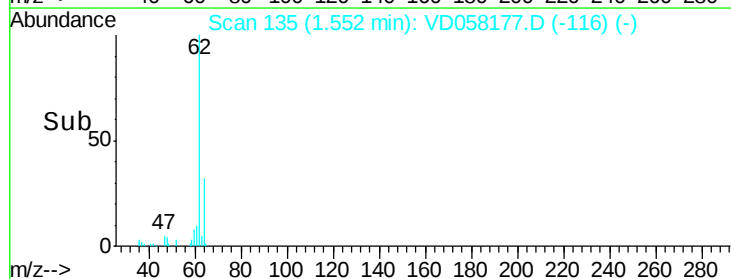
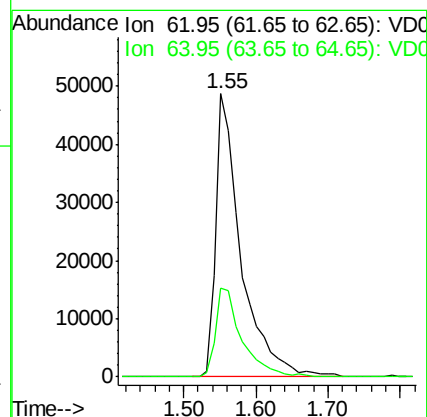
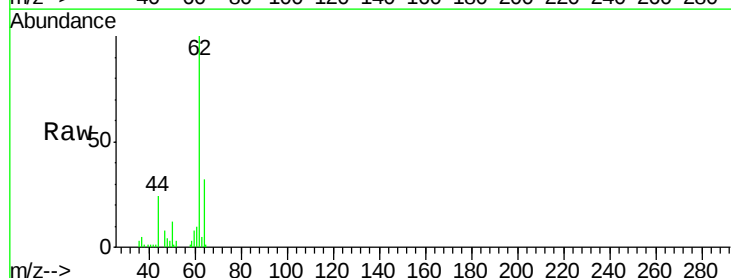
Acq: 18 Jun 2018 13:20

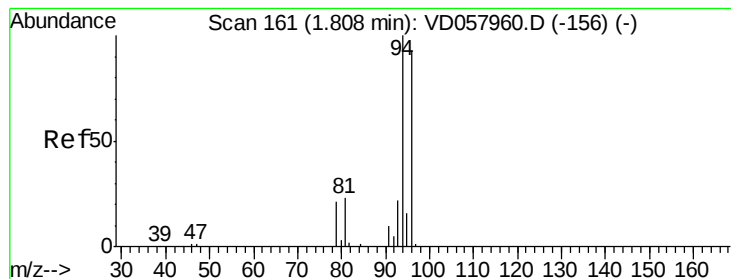
Tgt Ion: 62 Resp: 117162

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 15.16 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.02 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

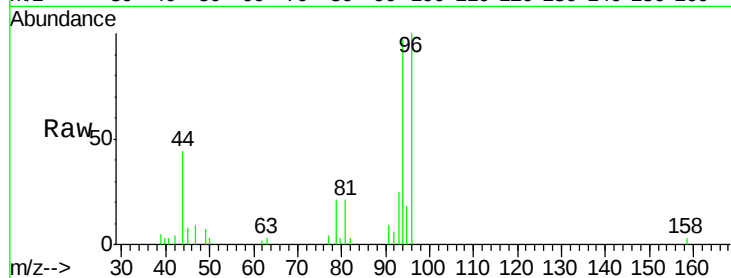
VD0618SBS01

Tot Ion: 94 Resp: 34197

Ion Ratio Lower Upper

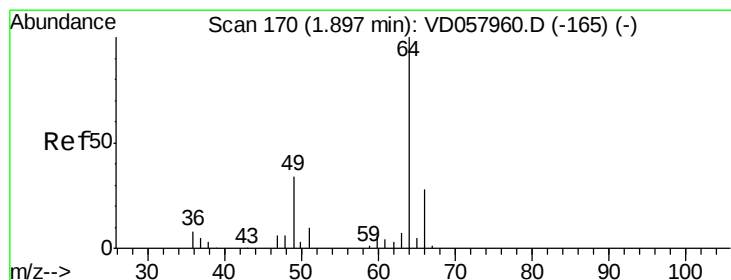
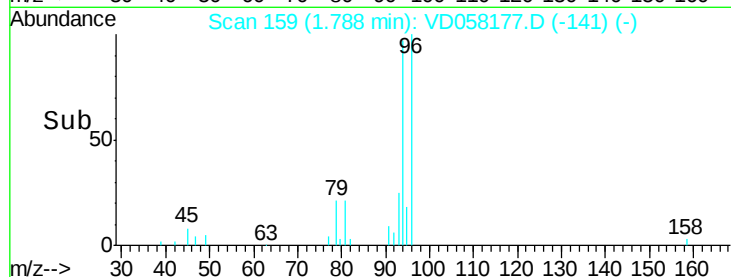
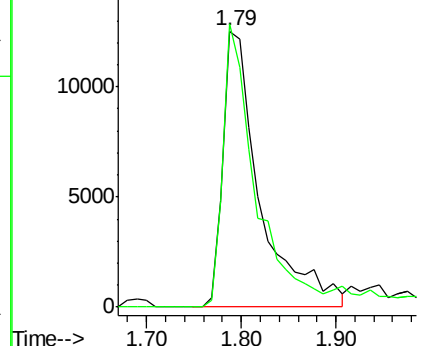
94 100

96 102.6 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: 17.52 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.02 min

Lab File: VD058177.D

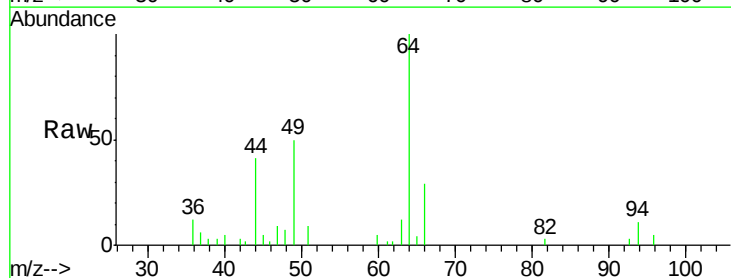
Acq: 18 Jun 2018 13:20

Tgt Ion: 64 Resp: 39780

Ion Ratio Lower Upper

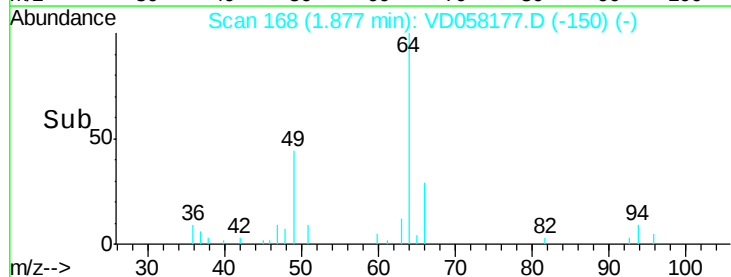
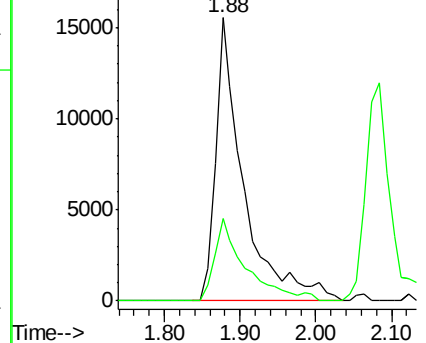
64 100

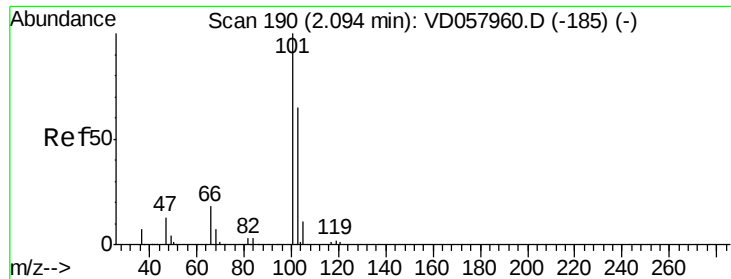
66 29.1 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



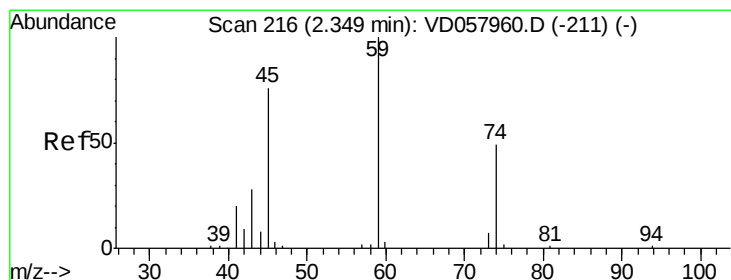
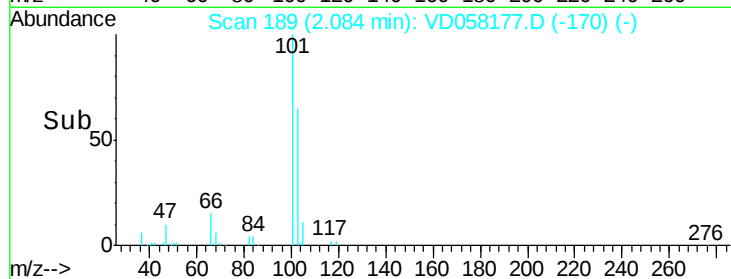
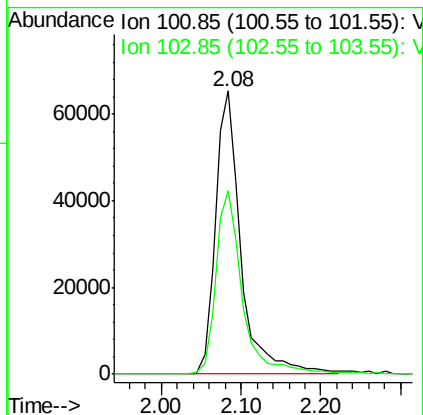
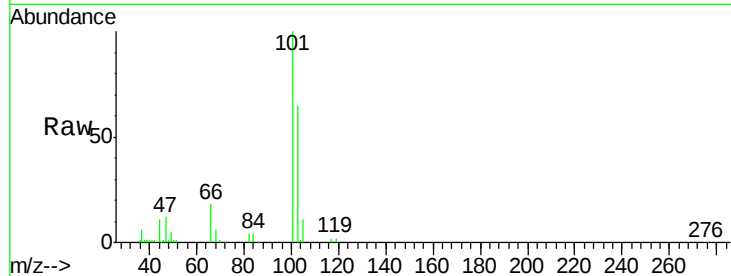


#7

Trichlorofluoromethane
 Concen: 18.63 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. -0.01 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

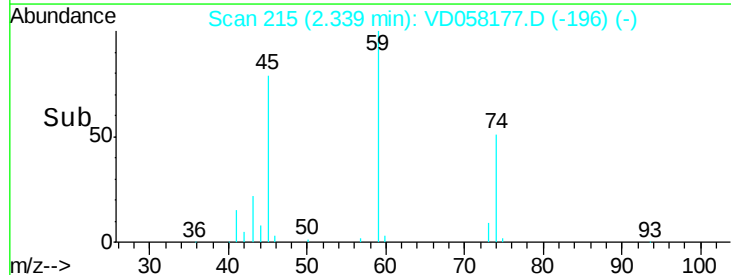
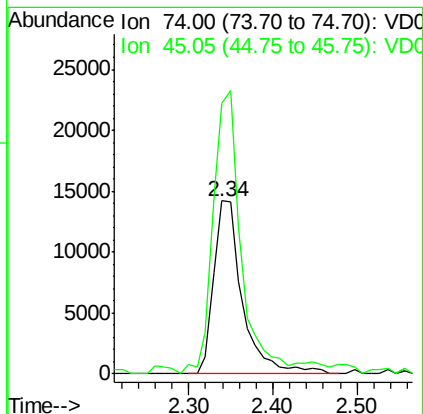
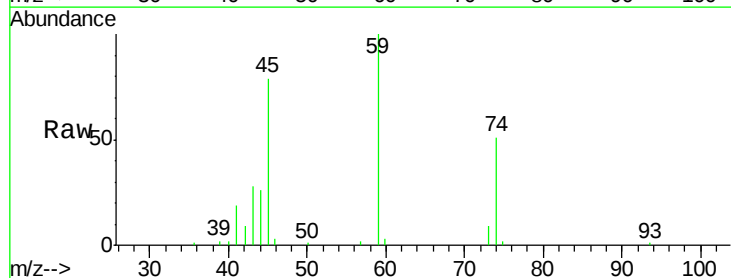
Tot Ion:101 Resp: 146564
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.4 78.6

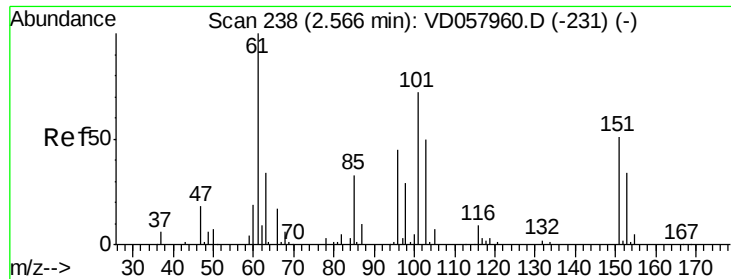


#8

Diethyl Ether
 Concen: 22.97 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. -0.01 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

Tgt Ion: 74 Resp: 33566
 Ion Ratio Lower Upper
 74 100
 45 156.5 77.1 231.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.43 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

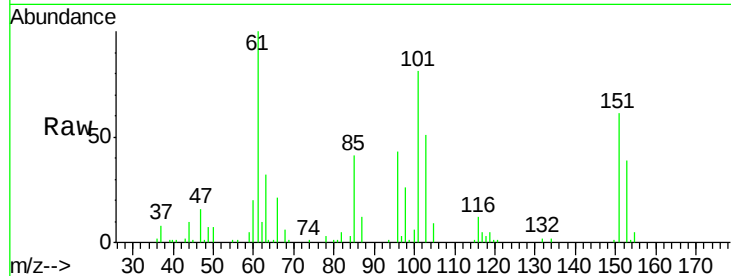
Tot Ion:101 Resp: 95869

Ion Ratio Lower Upper

101 100

85 51.4 37.3 55.9

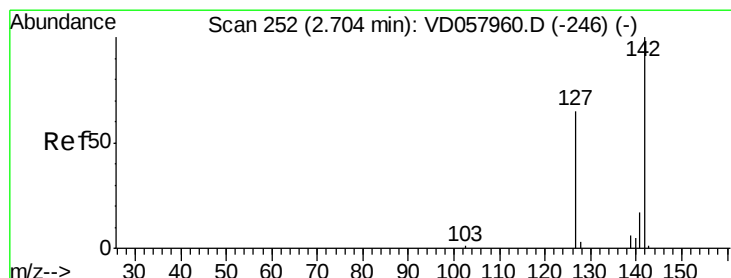
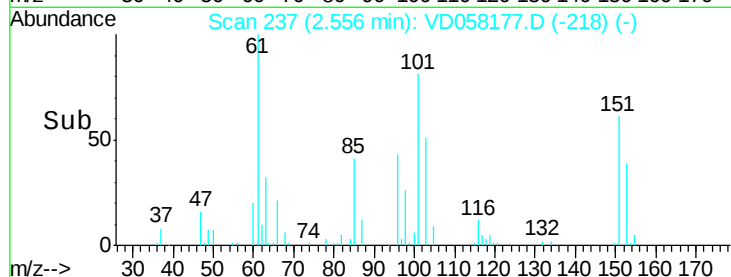
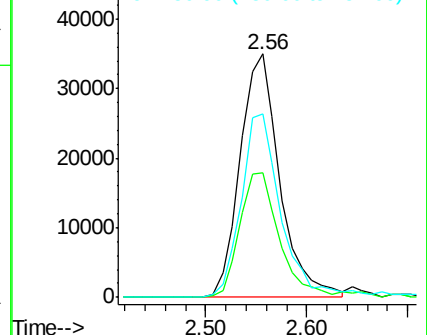
151 75.2 57.0 85.6



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: 17.85 ug/l

RT: 2.68 min Scan# 250

Delta R.T. -0.02 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

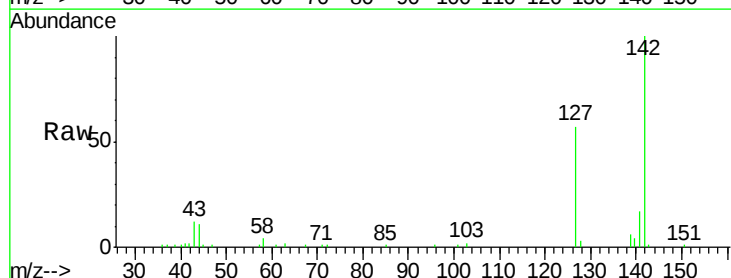
Tgt Ion:142 Resp: 108055

Ion Ratio Lower Upper

142 100

127 56.9 52.0 78.0

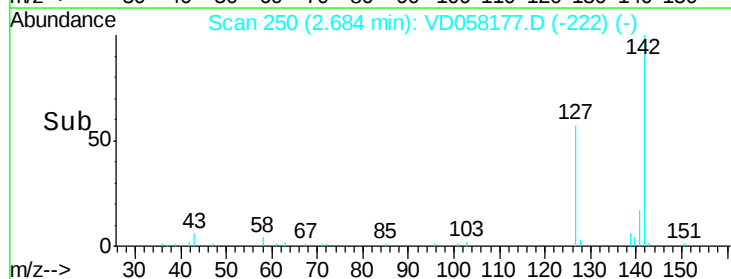
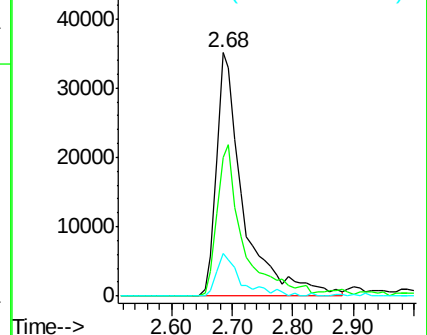
141 17.3 13.2 19.8

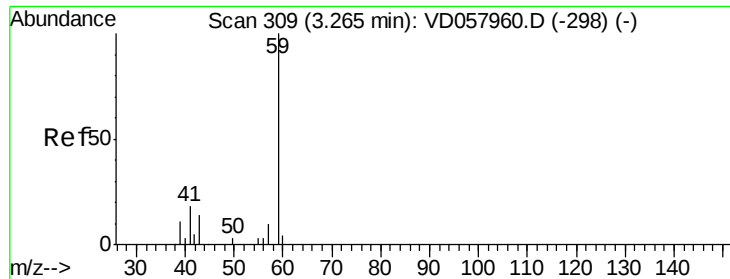


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



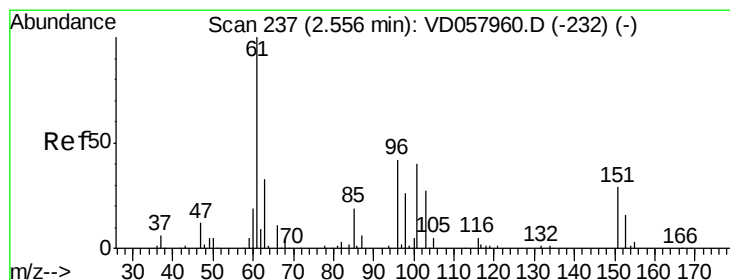
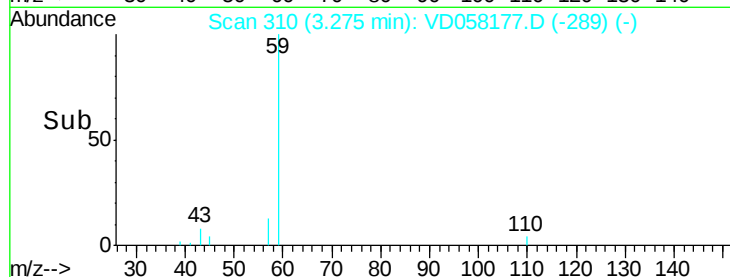
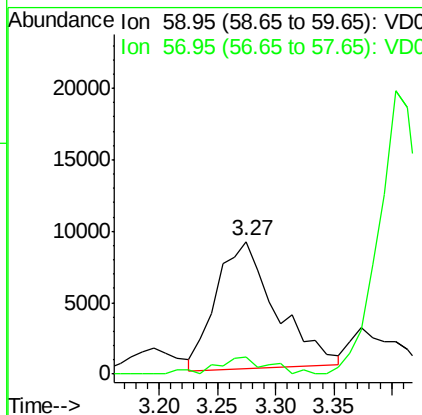
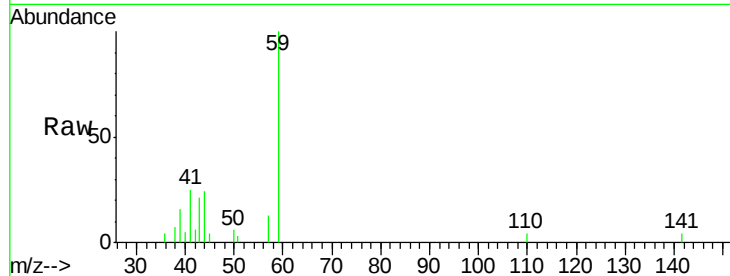


#11

Tert butyl alcohol
Concen: 130.65 ug/l
RT: 3.27 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

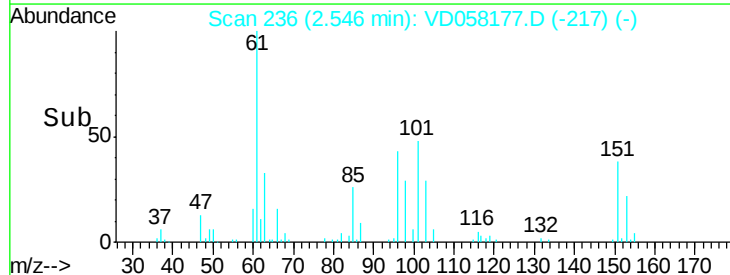
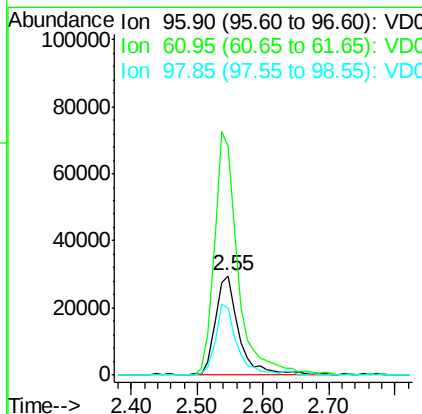
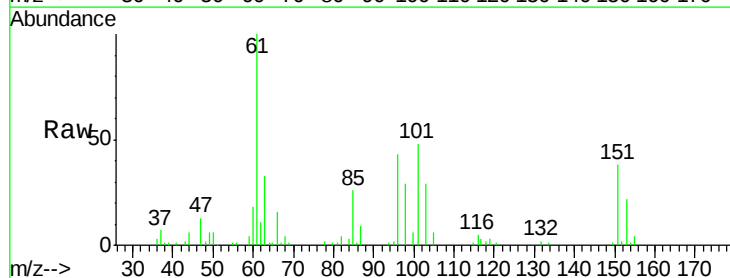
Tot Ion: 59 Resp: 31475
Ion Ratio Lower Upper
59 100
57 12.7 7.8 11.6#

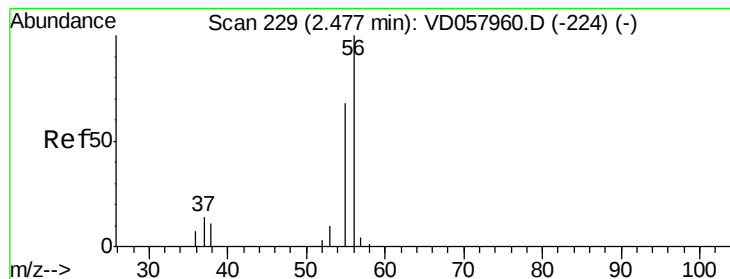


#12

1,1-Dichloroethene
Concen: 20.48 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Tgt Ion: 96 Resp: 73892
Ion Ratio Lower Upper
96 100
61 230.5 190.2 285.4
98 67.0 49.6 74.4





#13

Acrolein

Concen: 78.55 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.00 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

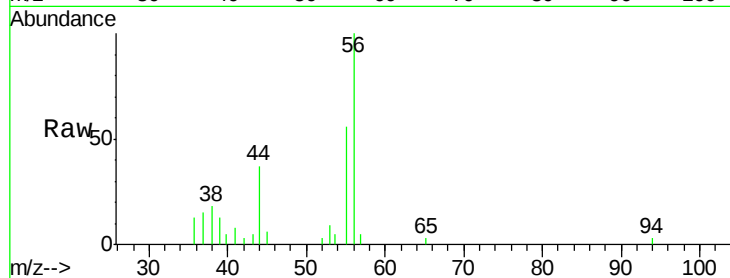
VD0618SBS01

Tot Ion: 56 Resp: 27100

Ion Ratio Lower Upper

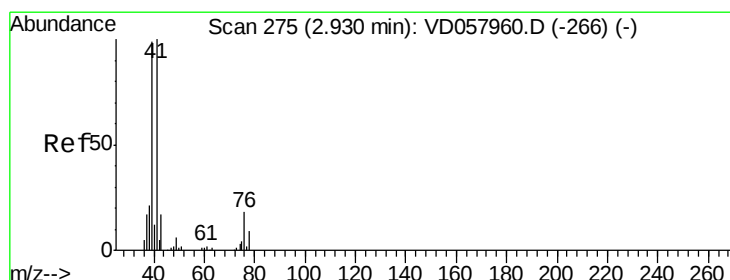
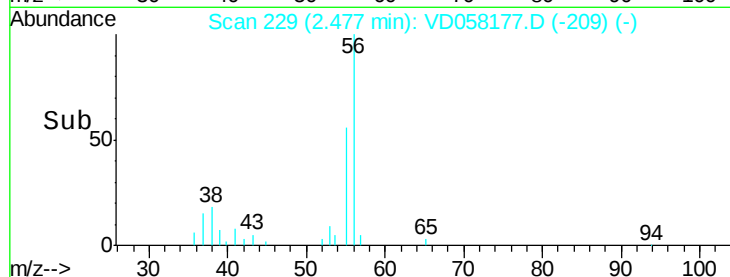
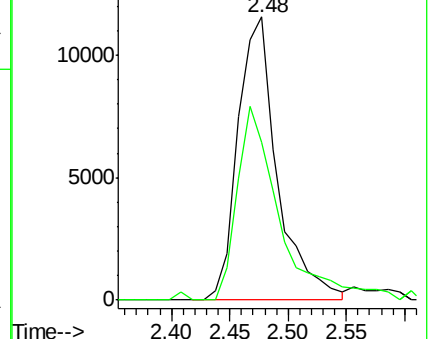
56 100

55 55.7 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.34 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

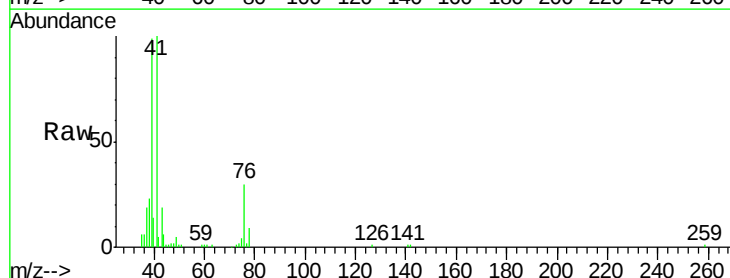
Tgt Ion: 41 Resp: 169239

Ion Ratio Lower Upper

41 100

39 99.1 79.5 119.3

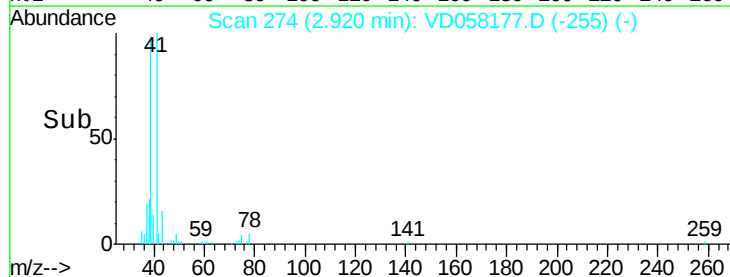
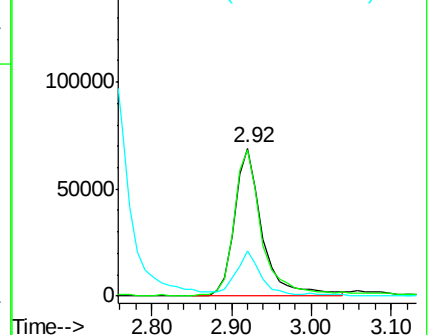
76 30.3 20.7 31.1

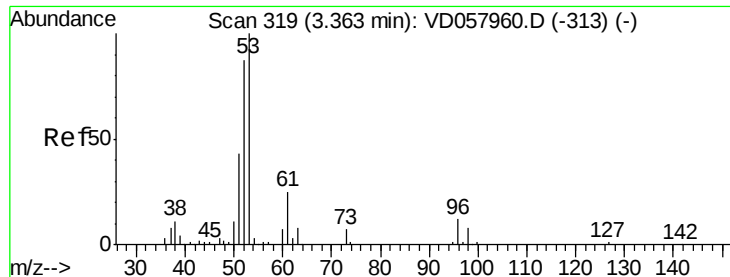


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 75.37 ug/l

RT: 3.35 min Scan# 318

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

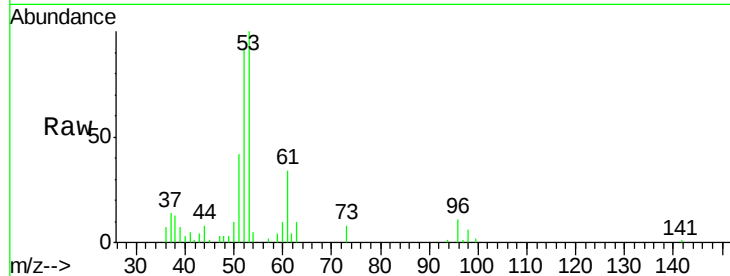
Tot Ion: 53 Resp: 106225

Ion Ratio Lower Upper

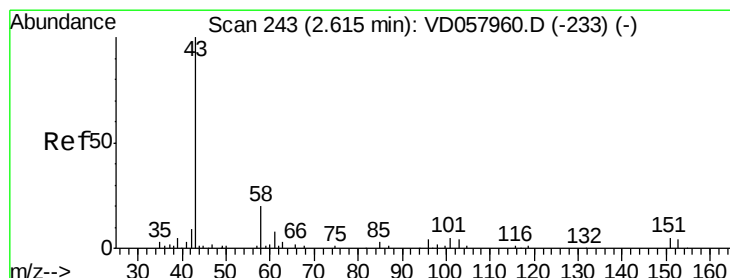
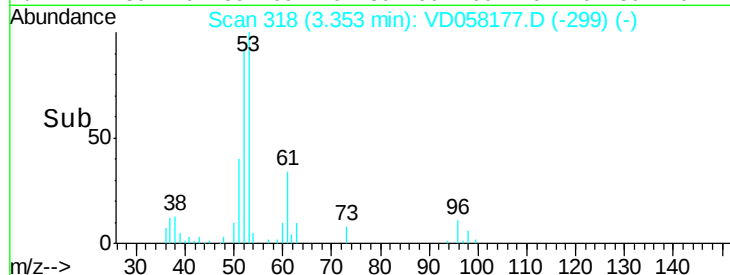
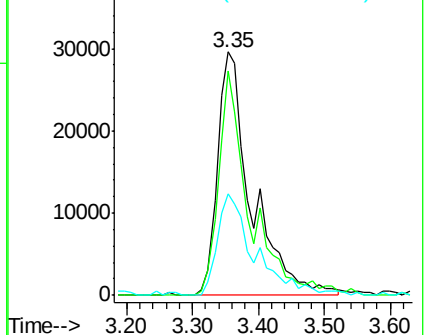
53 100

52 92.1 69.9 104.9

51 41.8 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: 113.92 ug/l

RT: 2.62 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD058177.D

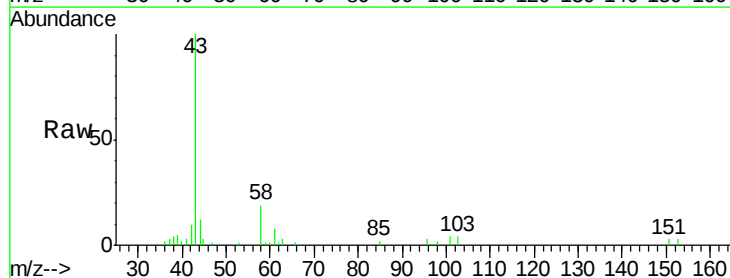
Acq: 18 Jun 2018 13:20

Tgt Ion: 43 Resp: 147596

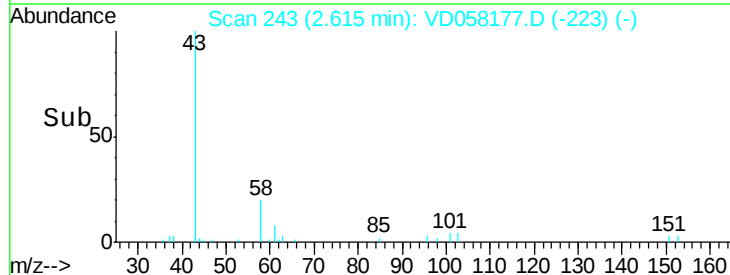
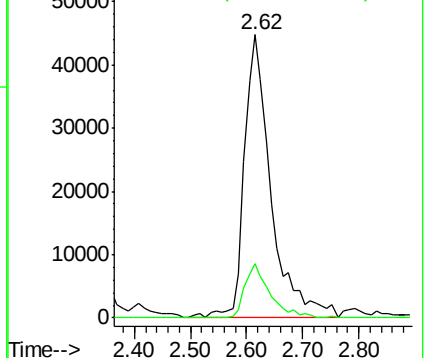
Ion Ratio Lower Upper

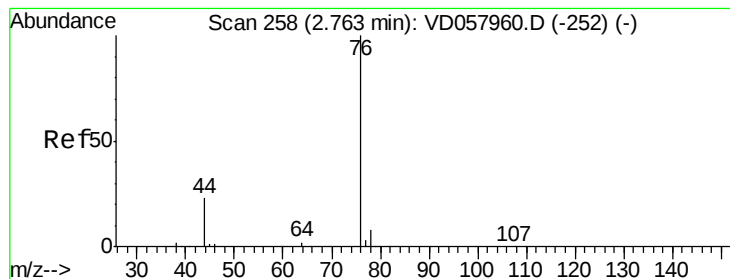
43 100

58 19.2 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: 19.67 ug/l

RT: 2.75 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

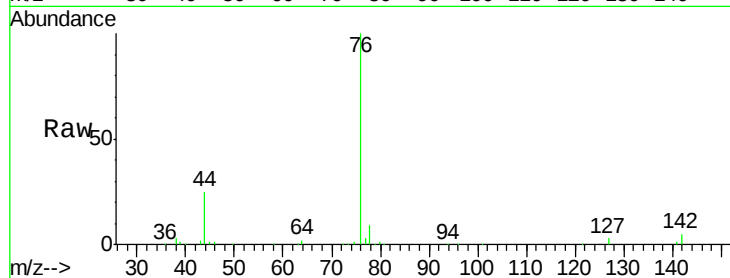
VD0618SBS01

Tot Ion: 76 Resp: 257055

Ion Ratio Lower Upper

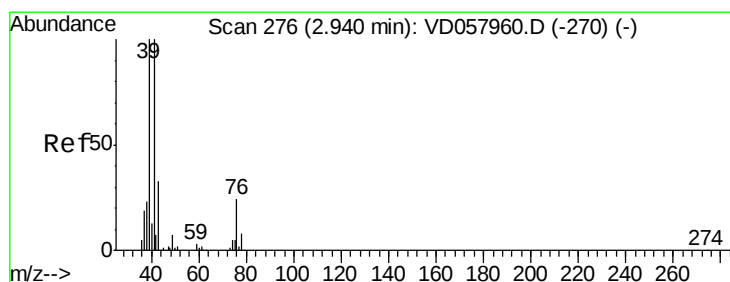
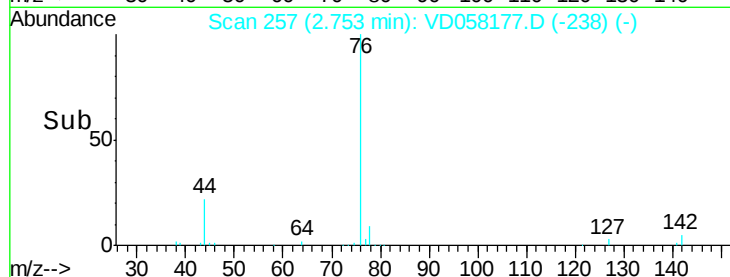
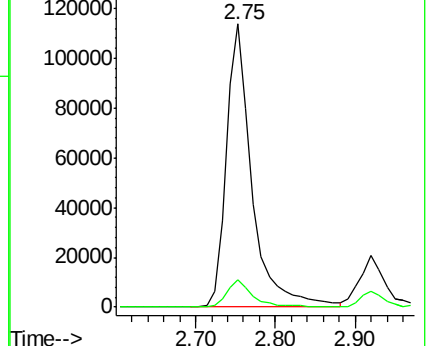
76 100

78 9.5 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: 20.82 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.01 min

Lab File: VD058177.D

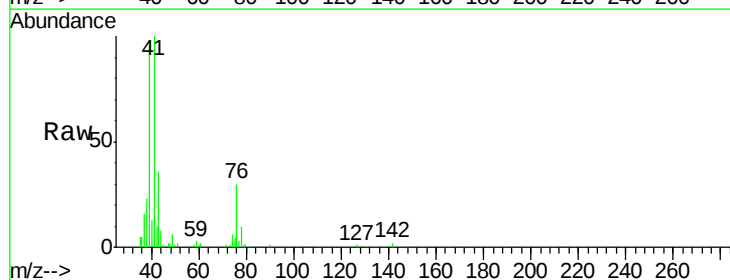
Acq: 18 Jun 2018 13:20

Tgt Ion: 43 Resp: 52172

Ion Ratio Lower Upper

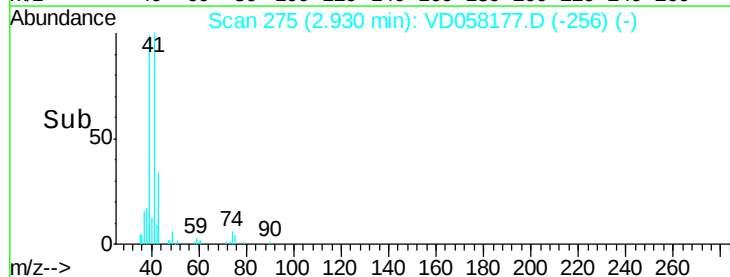
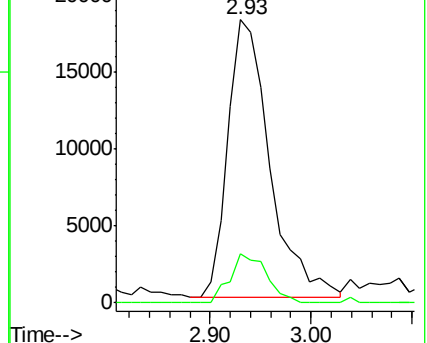
43 100

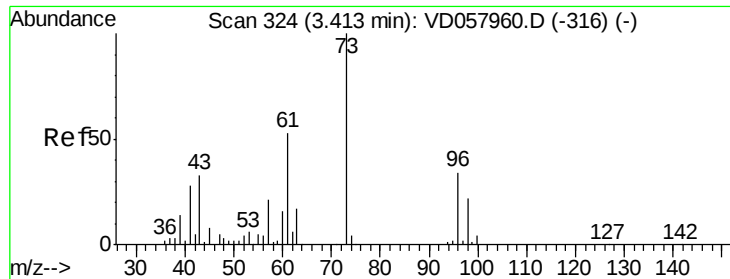
74 17.5 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

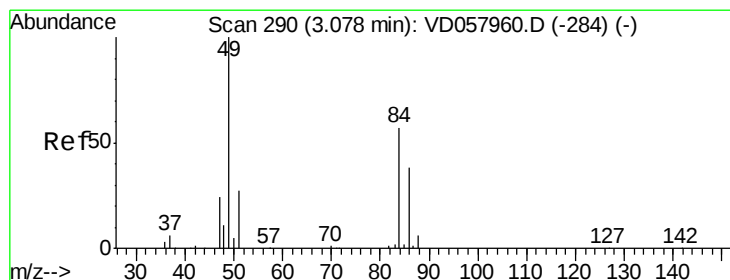
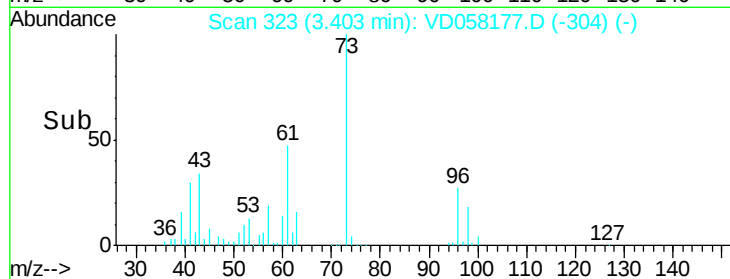
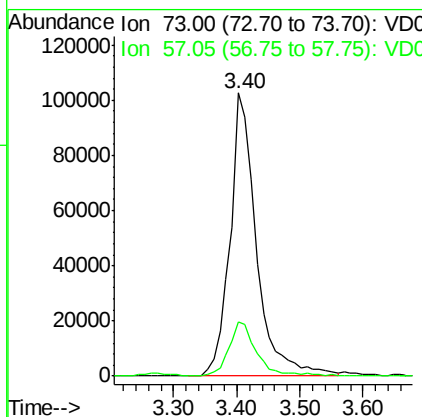
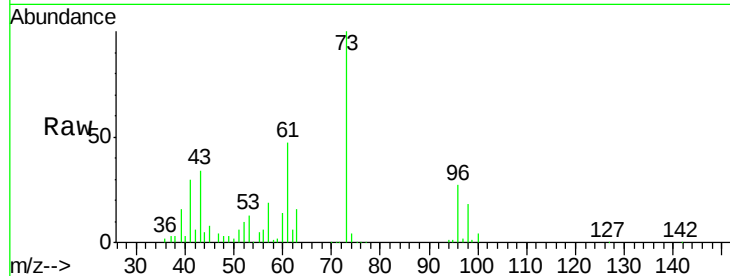




#19
Methyl tert-butyl Ether
Concen: 18.71 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

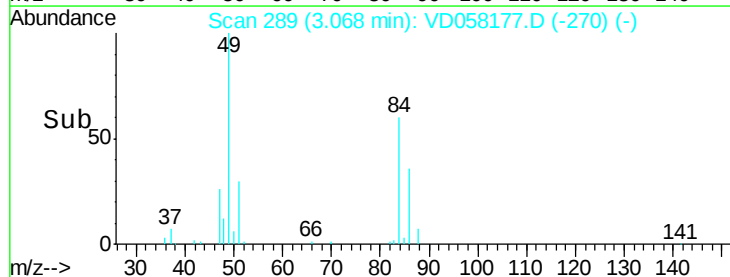
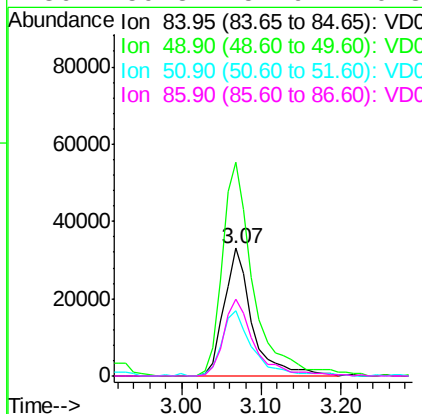
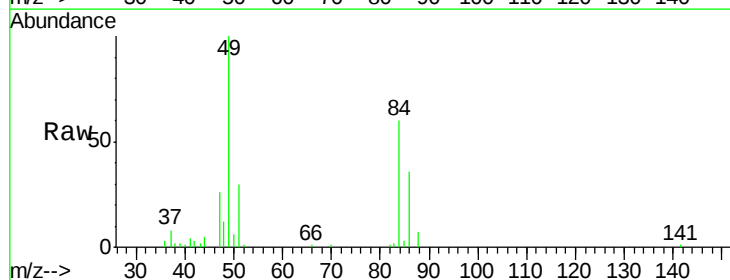
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

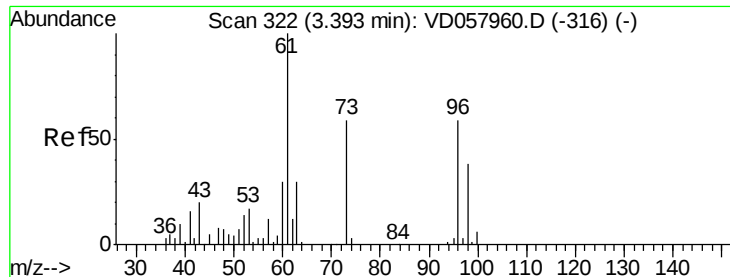
Tot Ion: 73 Resp: 297022
Ion Ratio Lower Upper
73 100
57 19.3 16.7 25.1



#20
Methylene Chloride
Concen: 21.61 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Tgt Ion: 84 Resp: 82097
Ion Ratio Lower Upper
84 100
49 167.2 141.4 212.0
51 50.7 38.3 57.5
86 59.8 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 12.94 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

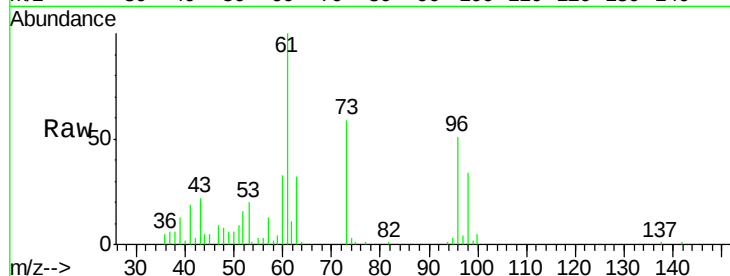
Tot Ion: 96 Resp: 103962

Ion Ratio Lower Upper

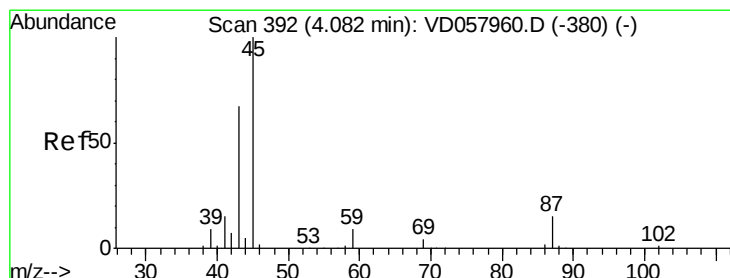
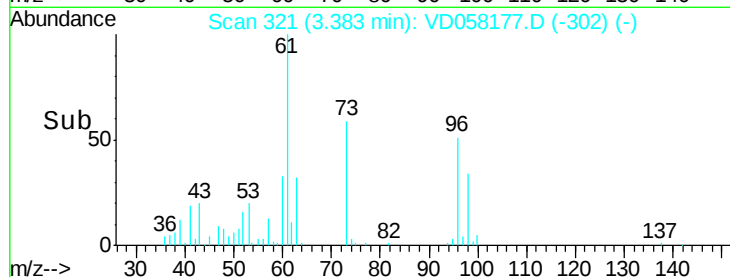
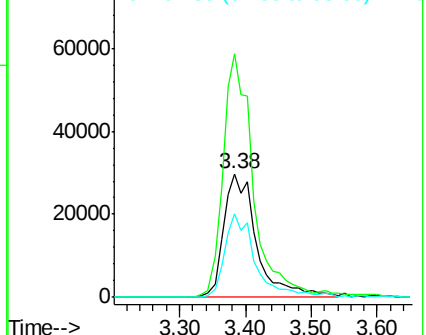
96 100

61 197.4 135.2 202.8

98 68.0 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: 19.94 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Tgt Ion: 45 Resp: 657255

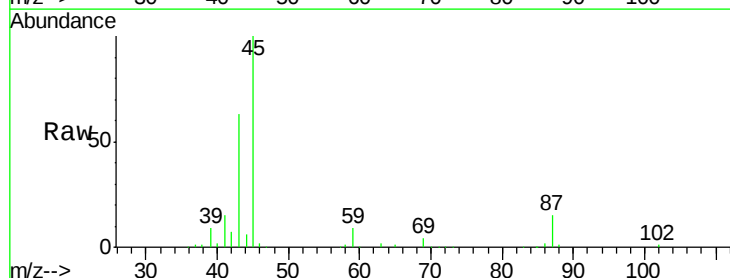
Ion Ratio Lower Upper

45 100

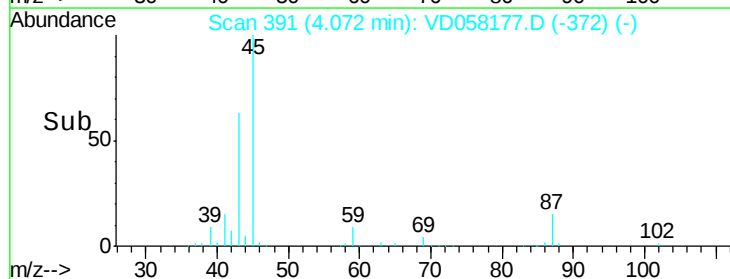
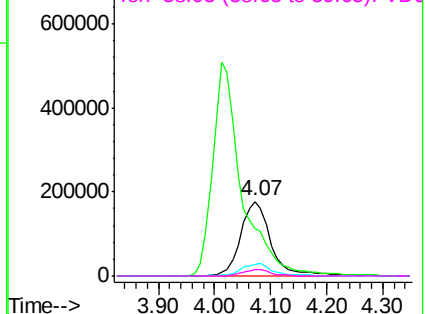
43 63.1 53.8 80.8

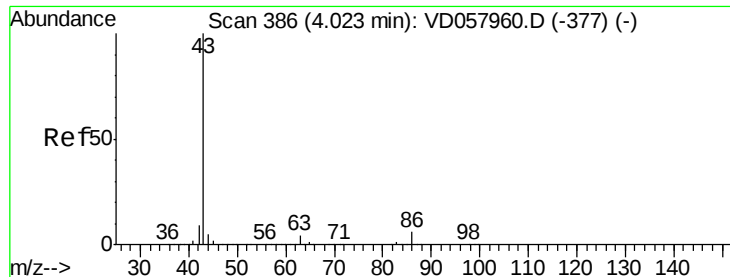
87 15.0 12.5 18.7

59 9.0 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: 107.76 ug/l

RT: 4.01 min Scan# 385

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

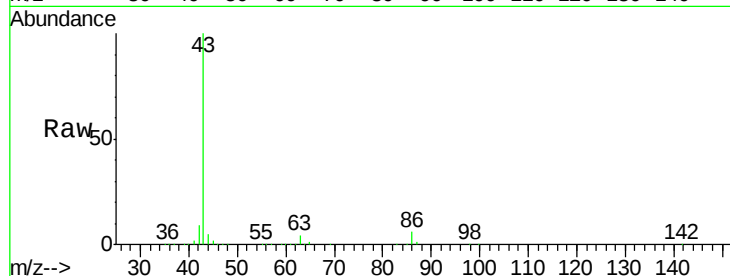
VD0618SBS01

Tot Ion: 43 Resp: 1835665

Ion Ratio Lower Upper

43 100

86 6.0 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

600000

500000

400000

300000

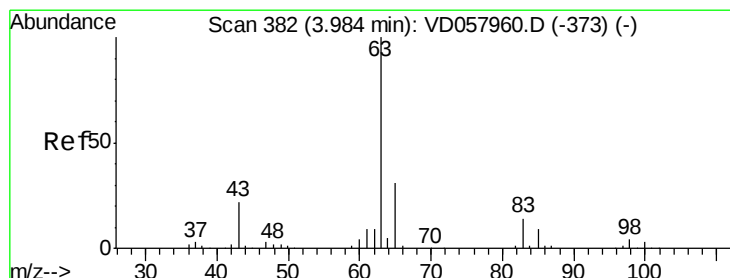
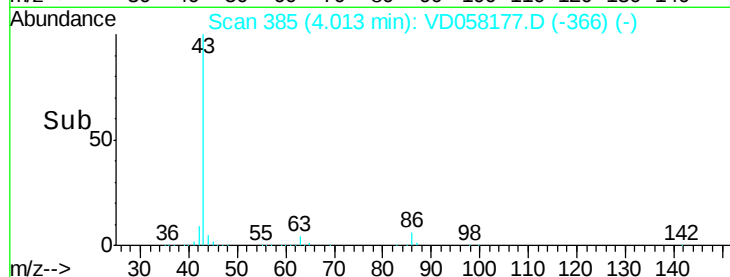
200000

100000

0

4.01

Time--> 3.80 3.90 4.00 4.10 4.20



#24

1,1-Dichloroethane

Concen: 20.26 ug/l

RT: 3.97 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

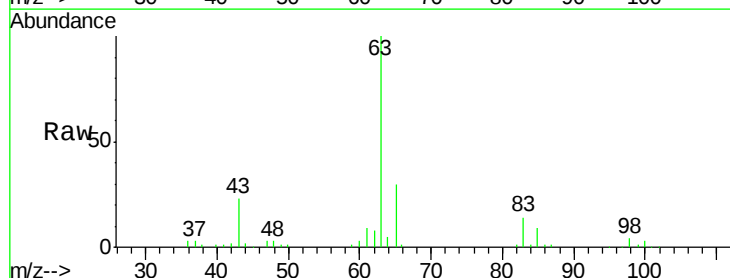
Tgt Ion: 63 Resp: 367176

Ion Ratio Lower Upper

63 100

98 4.1 2.0 5.8

100 2.9 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

150000

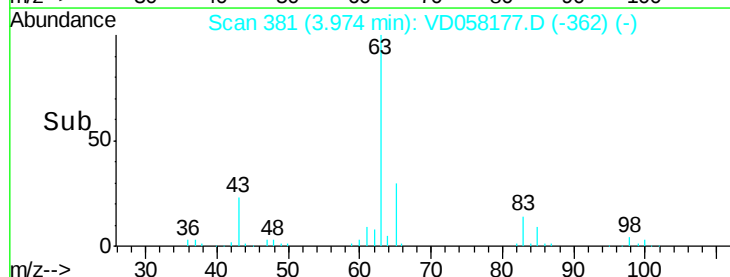
100000

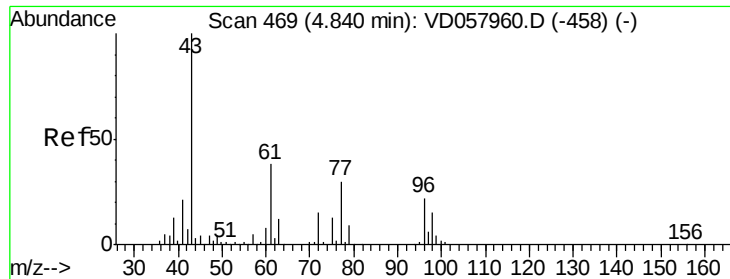
50000

0

3.97

Time--> 3.80 3.90 4.00 4.10 4.20





#25

2-Butanone

Concen: 105.95 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

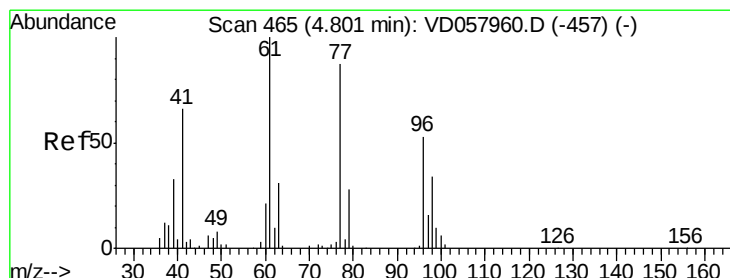
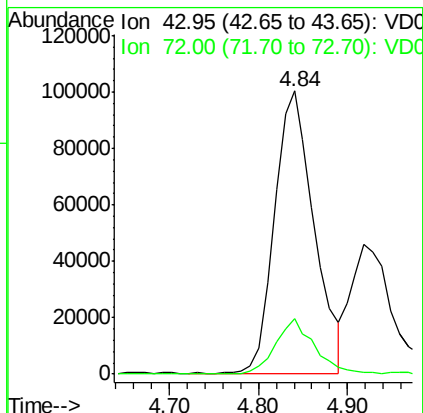
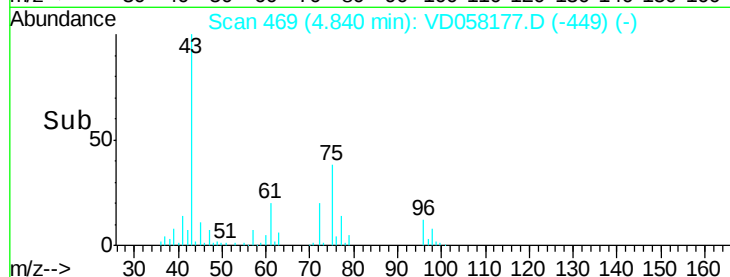
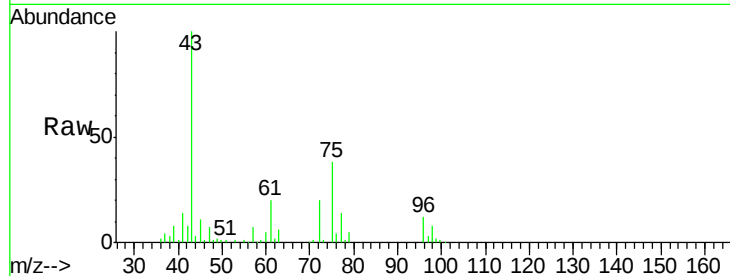
VD0618SBS01

Tot Ion: 43 Resp: 311958

Ion Ratio Lower Upper

43 100

72 19.7 12.0 18.0#



#26

2,2-Dichloropropane

Concen: 20.83 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD058177.D

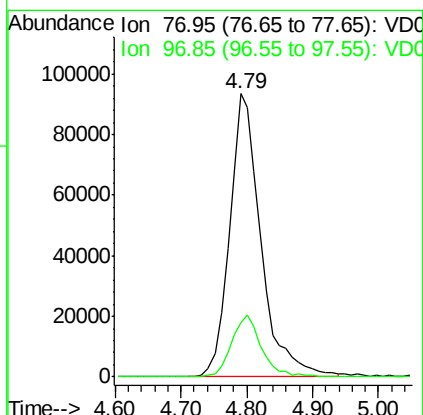
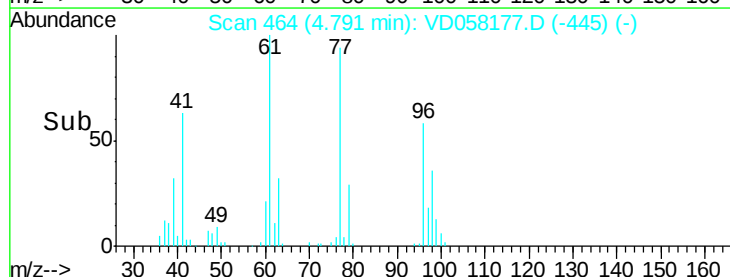
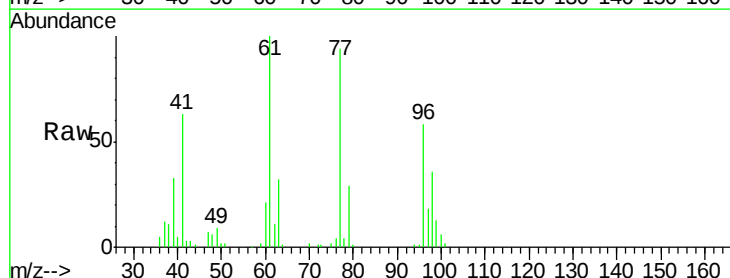
Acq: 18 Jun 2018 13:20

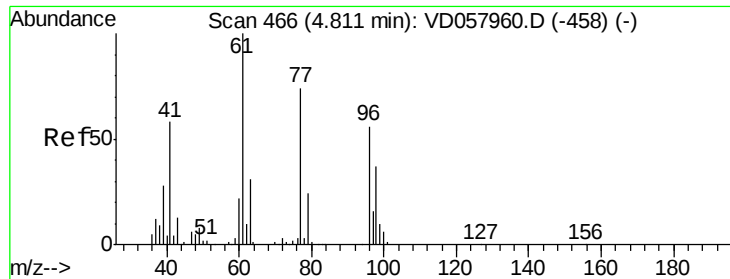
Tgt Ion: 77 Resp: 310893

Ion Ratio Lower Upper

77 100

97 19.0 9.2 27.6





#27

cis-1,2-Dichloroethene

Concen: 21.83 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

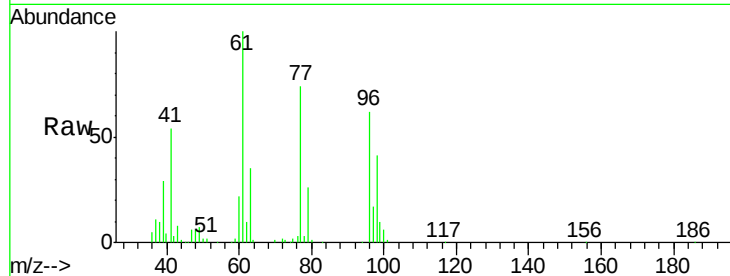
Tot Ion: 96 Resp: 208021

Ion Ratio Lower Upper

96 100

61 162.4 0.0 355.0

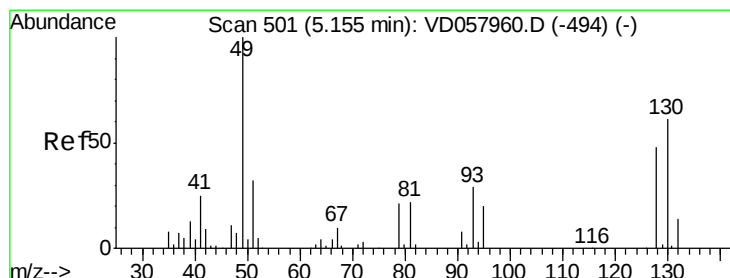
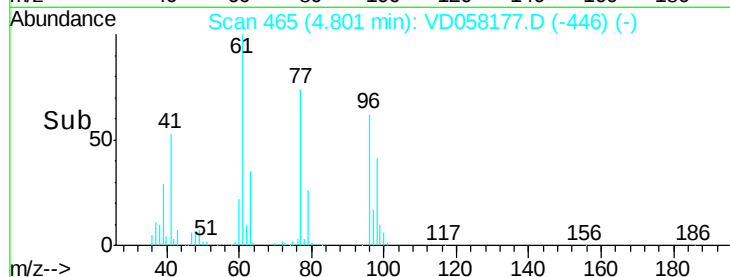
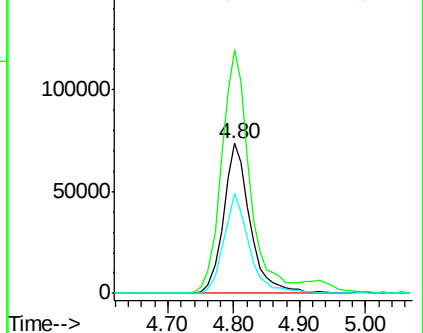
98 66.6 0.0 129.6



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: 20.97 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

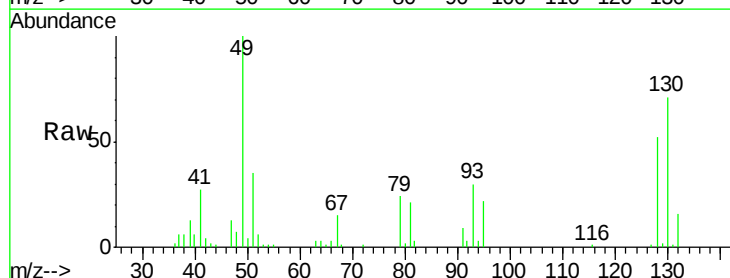
Tgt Ion: 49 Resp: 164479

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

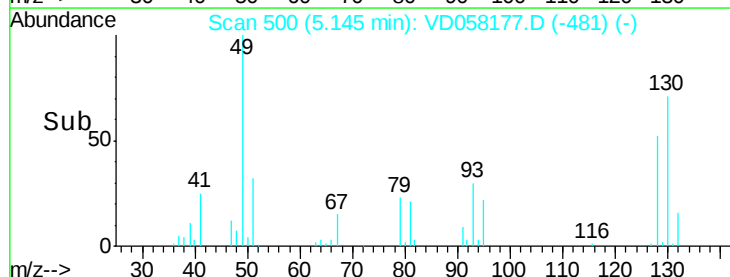
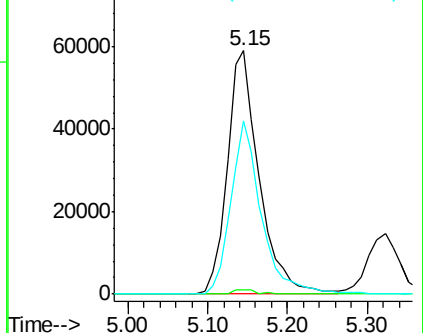
130 71.0 48.8 73.2

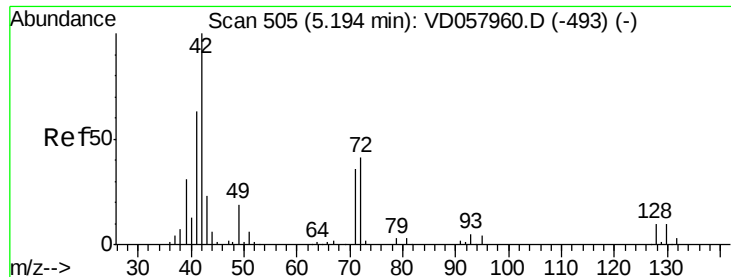


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

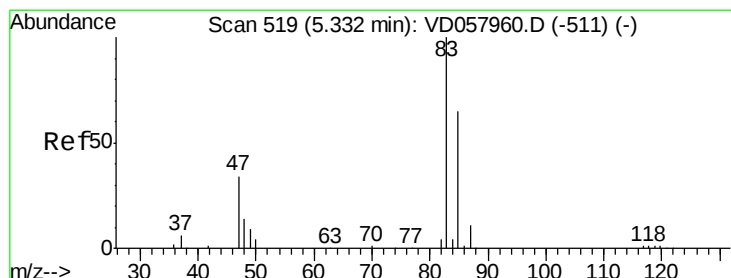
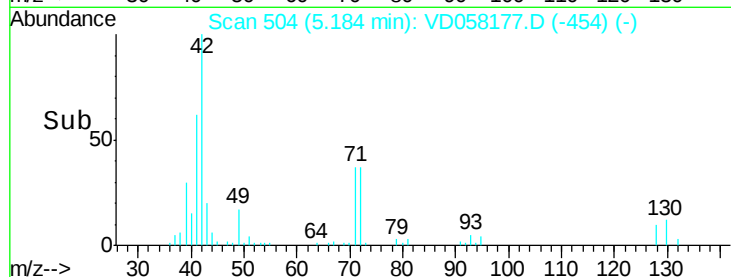
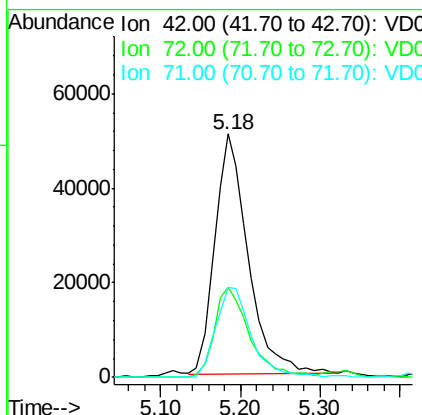
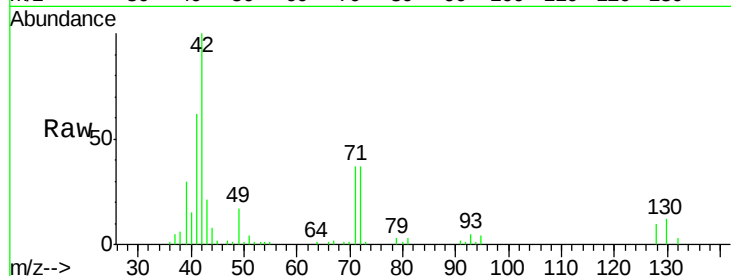




#29
Tetrahydrofuran
Concen: 96.67 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

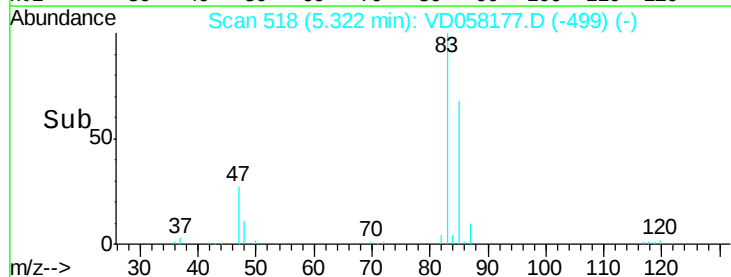
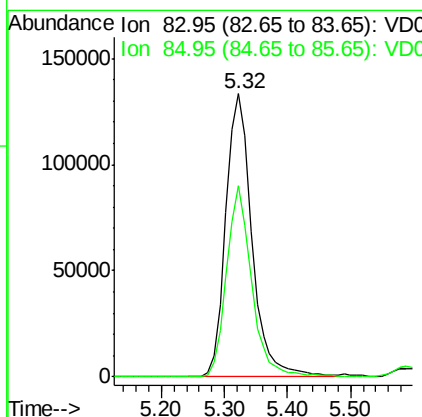
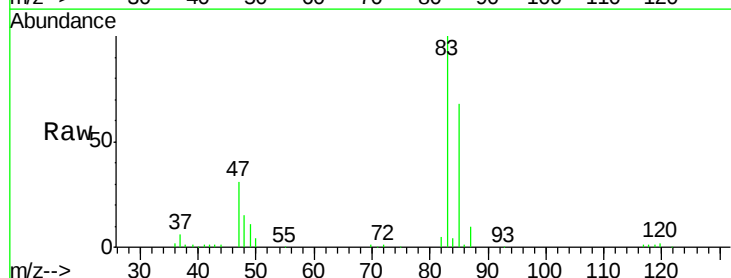
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

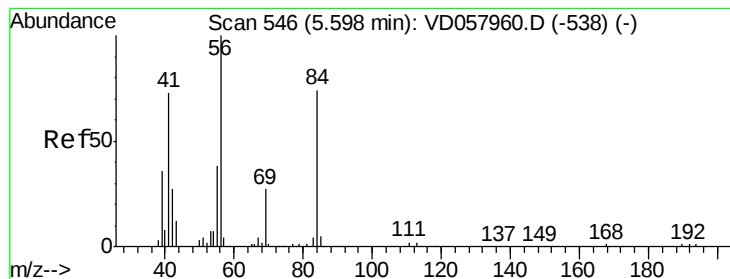
Tot Ion: 42 Resp: 149219
Ion Ratio Lower Upper
42 100
72 39.2 28.5 42.7
71 39.8 27.9 41.9



#30
Chloroform
Concen: 21.09 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Tgt Ion: 83 Resp: 384511
Ion Ratio Lower Upper
83 100
85 67.5 51.6 77.4





#31

Cyclohexane

Concen: 20.21 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

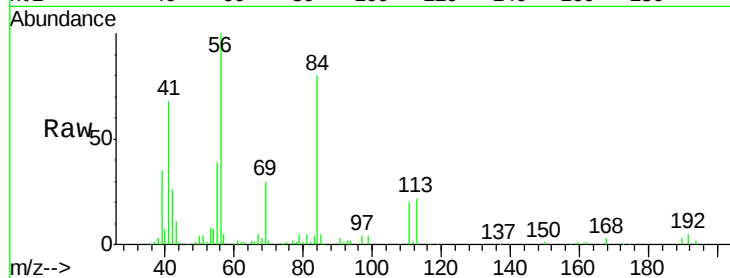
Tot Ion: 56 Resp: 316022

Ion Ratio Lower Upper

56 100

69 29.6 21.5 32.3

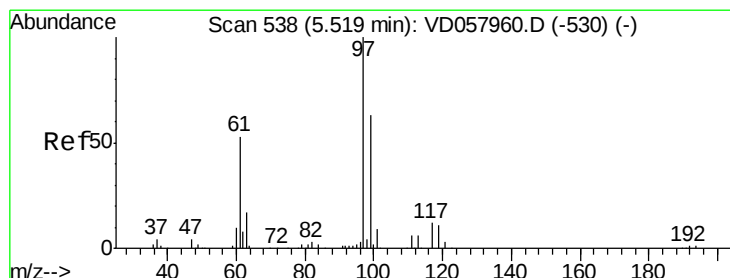
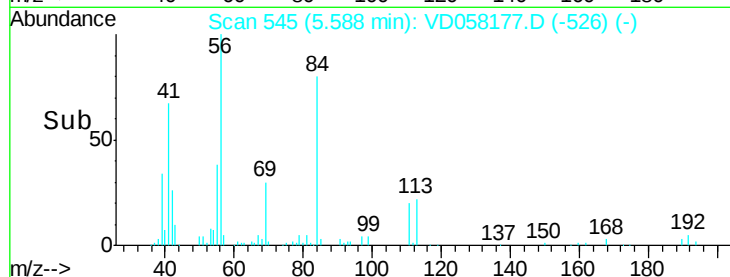
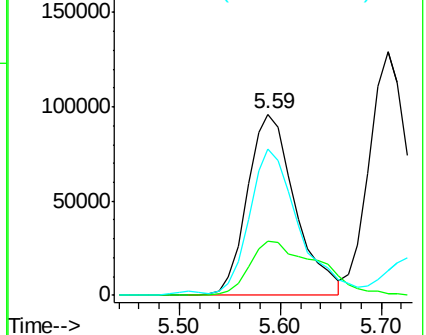
84 80.5 61.0 91.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 21.11 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

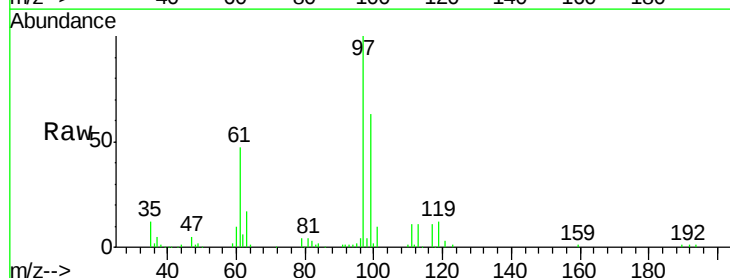
Tgt Ion: 97 Resp: 322280

Ion Ratio Lower Upper

97 100

99 63.4 50.1 75.1

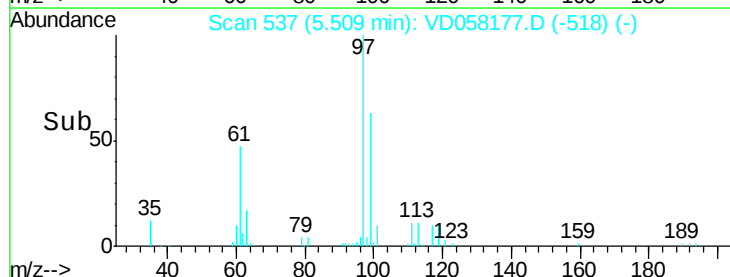
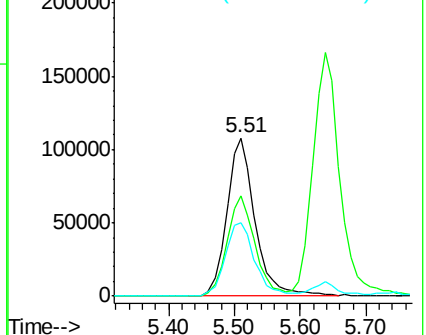
61 46.6 42.2 63.4

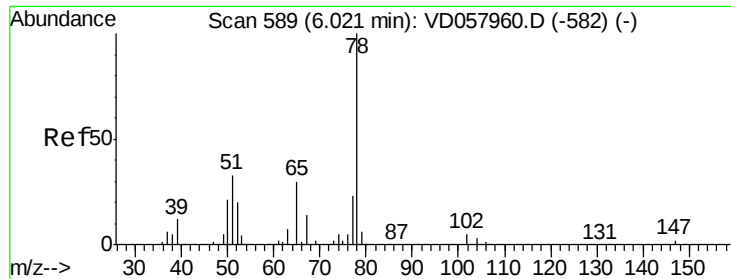


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 21.11 ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

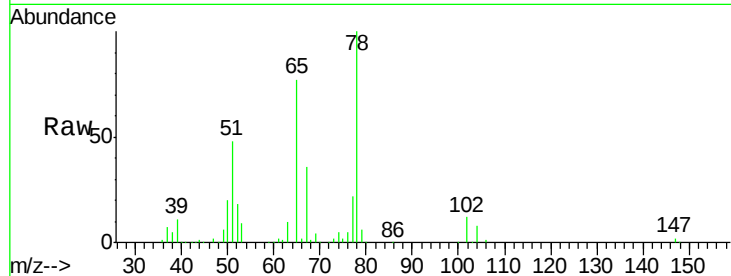
VD0618SBS01

Tot Ion: 65 Resp: 414993

Ion Ratio Lower Upper

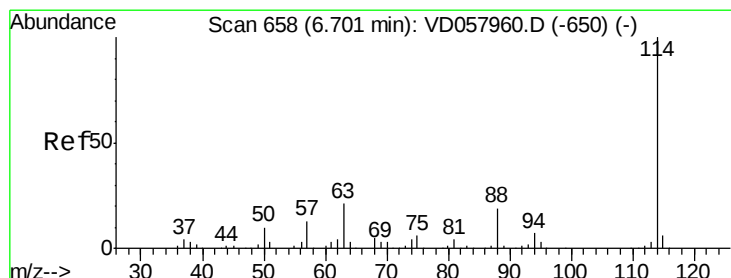
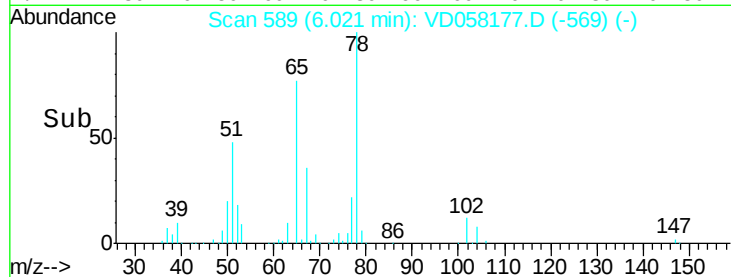
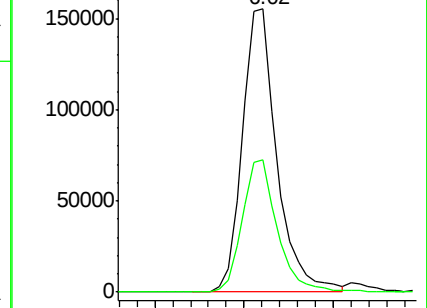
65 100

67 46.5 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: VD058177.D

Acq: 18 Jun 2018 13:20

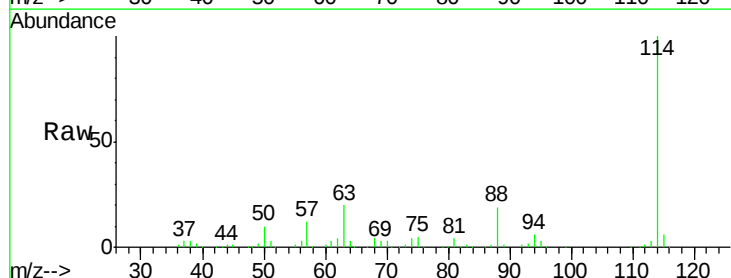
Tgt Ion: 114 Resp: 1143302

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.8

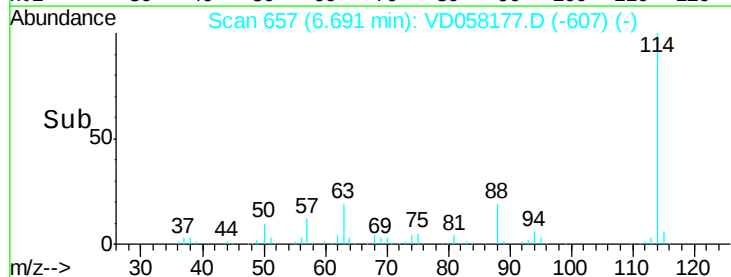
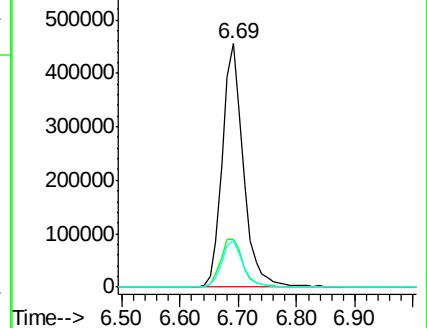
88 18.9 0.0 37.8

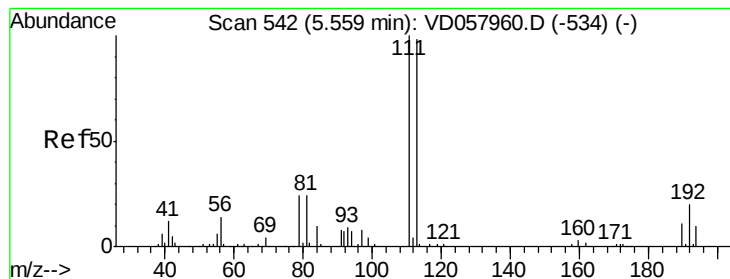


Abundance Ion 114.00 (113.70 to 114.70): V

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: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

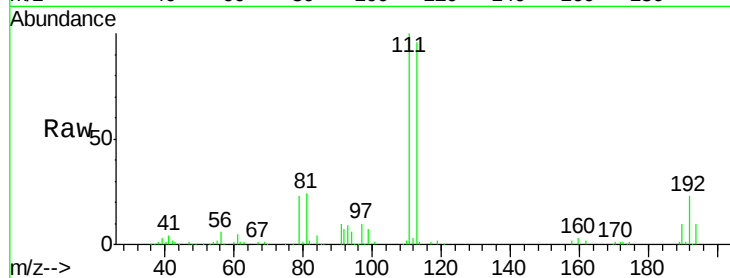
Tot Ion:113 Resp: 452688

Ion Ratio Lower Upper

113 100

111 104.0 81.5 122.3

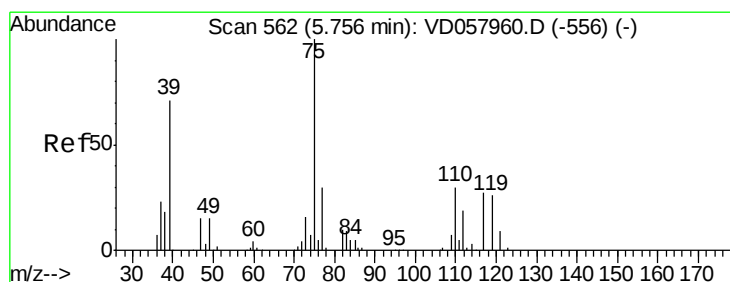
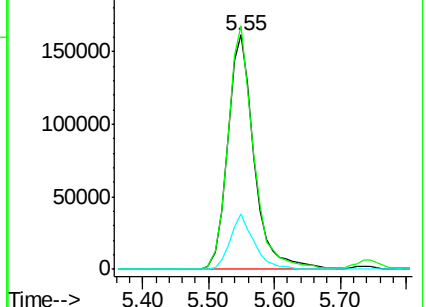
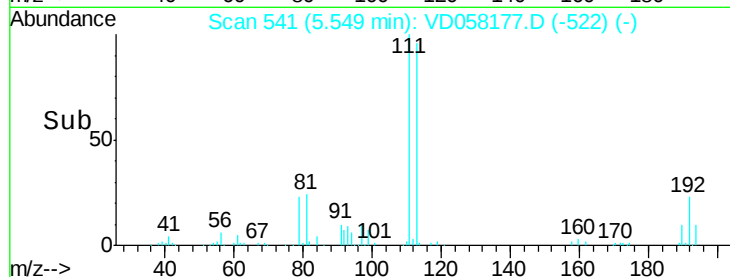
192 23.8 16.4 24.6



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: 22.08 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

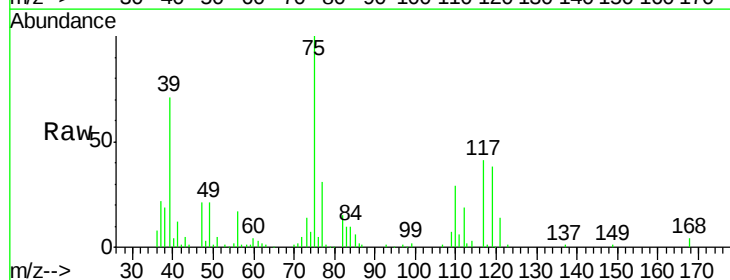
Tgt Ion: 75 Resp: 278164

Ion Ratio Lower Upper

75 100

110 28.8 14.8 44.3

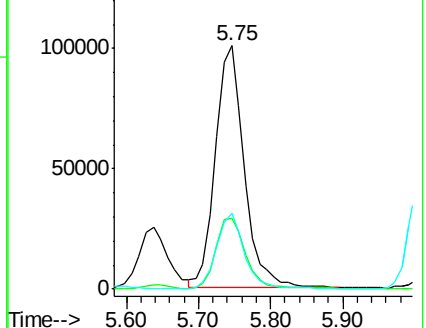
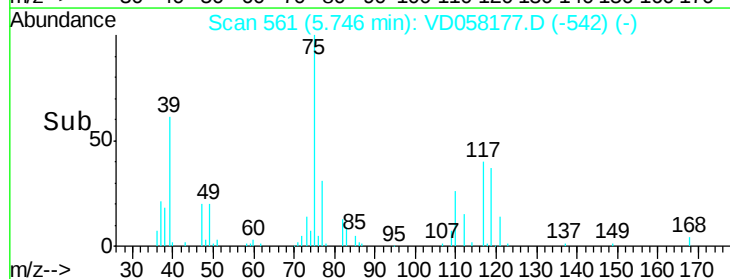
77 31.4 23.9 35.9

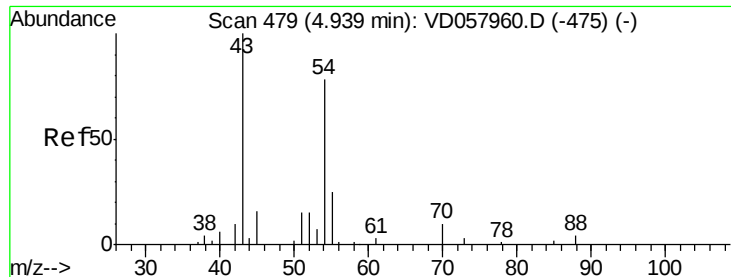


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

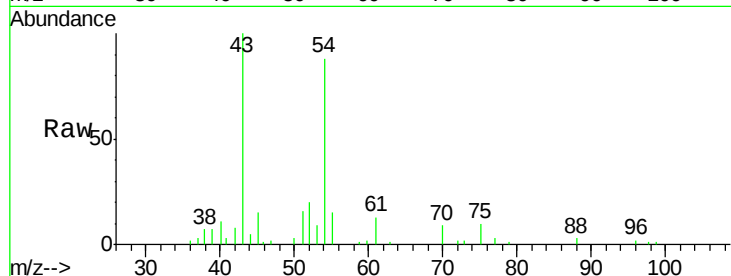




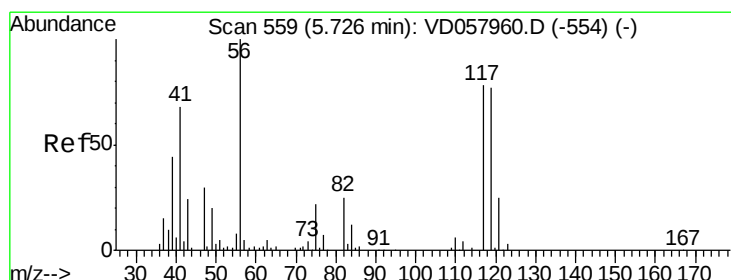
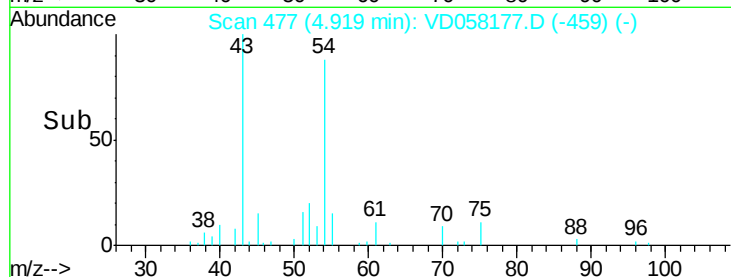
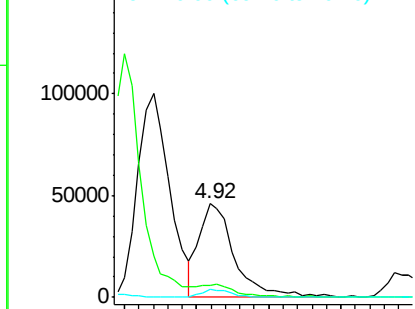
#37
Ethyl Acetate
Concen: 22.18 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Instrument :
MSVOA_D
ClientSampleID :
VD0618SBS01

Tot Ion: 43 Resp: 152440
Ion Ratio Lower Upper
43 100
61 12.6 9.9 14.9
70 8.6 5.7 8.5#

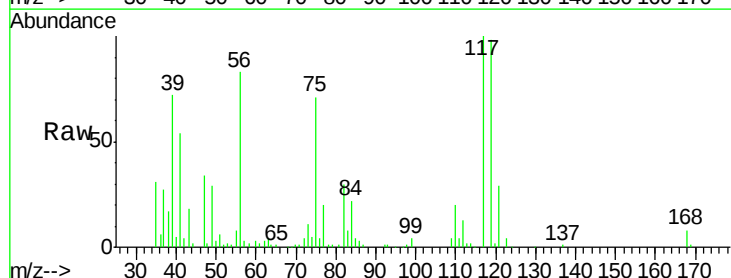


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

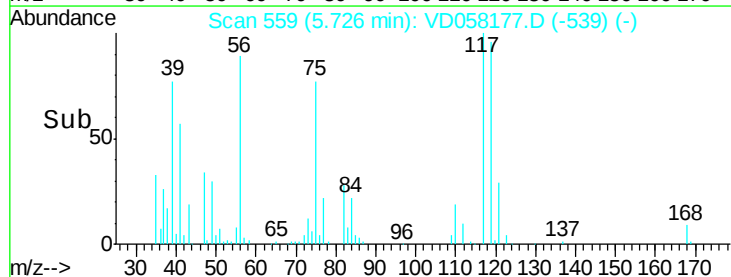
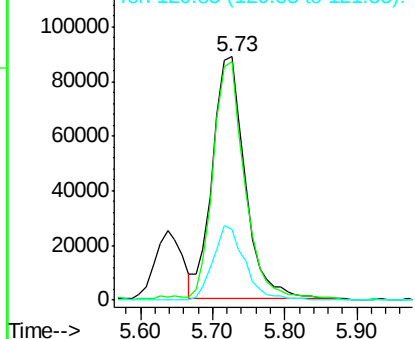


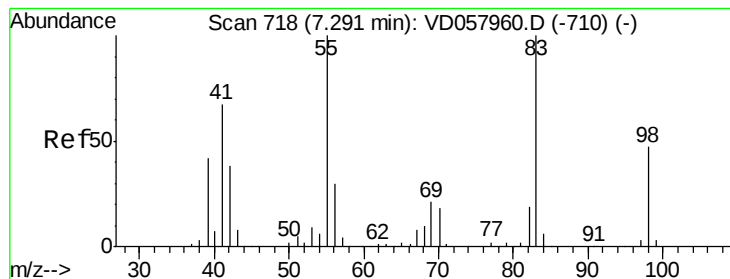
#38
Carbon Tetrachloride
Concen: 22.31 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Tgt Ion: 117 Resp: 276994
Ion Ratio Lower Upper
117 100
119 97.8 76.1 114.1
121 29.0 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: 22.46 ug/l

RT: 7.28 min Scan# 717

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

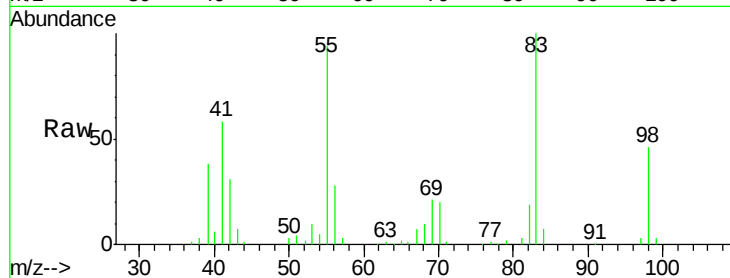
Tot Ion: 83 Resp: 280485

Ion Ratio Lower Upper

83 100

55 93.6 80.3 120.5

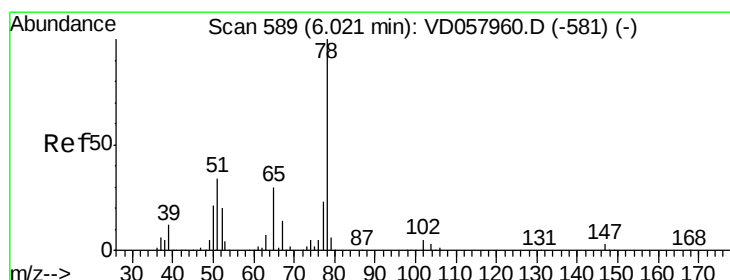
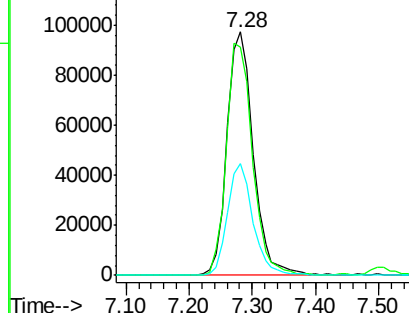
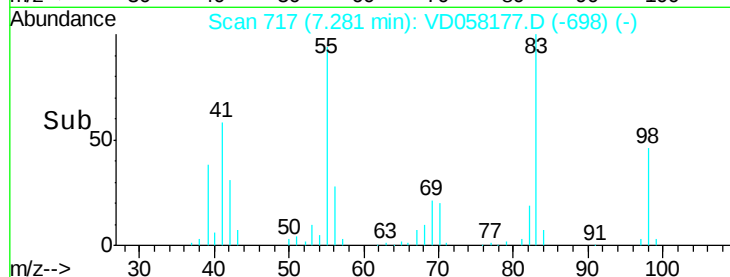
98 46.0 38.0 57.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 21.70 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058177.D

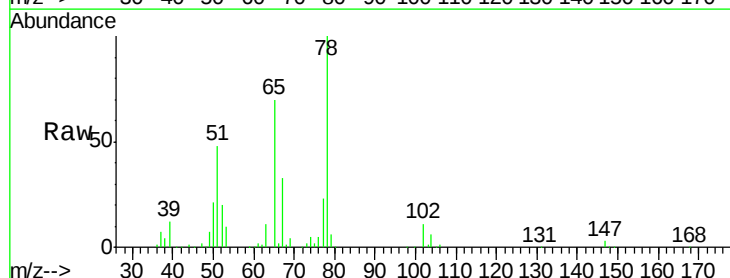
Acq: 18 Jun 2018 13:20

Tgt Ion: 78 Resp: 638541

Ion Ratio Lower Upper

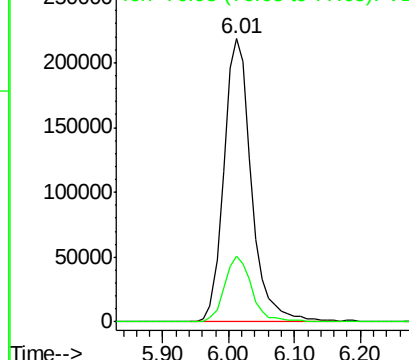
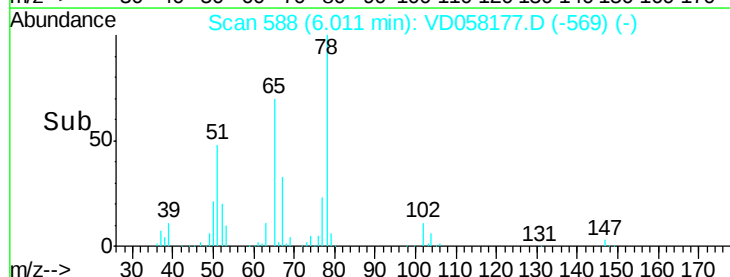
78 100

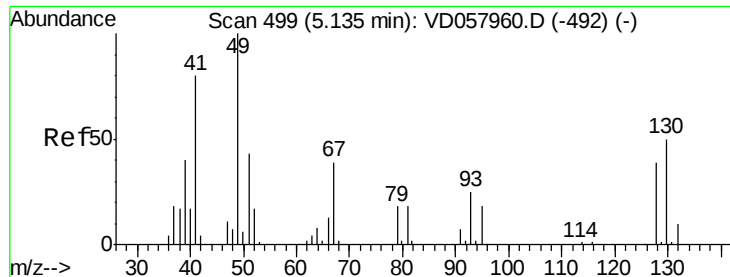
77 23.3 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

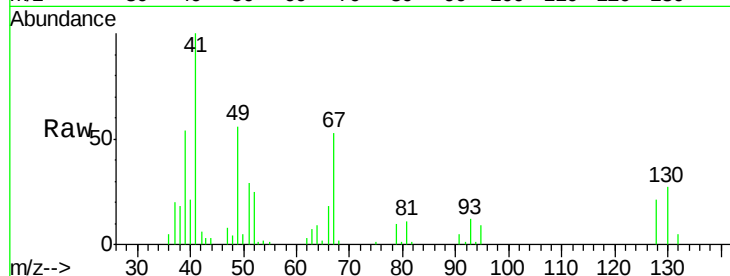




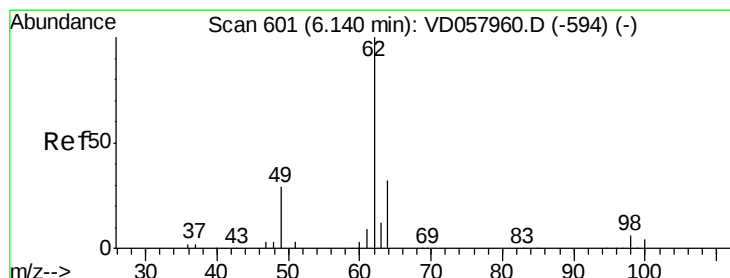
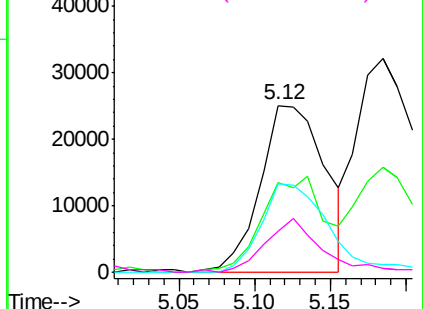
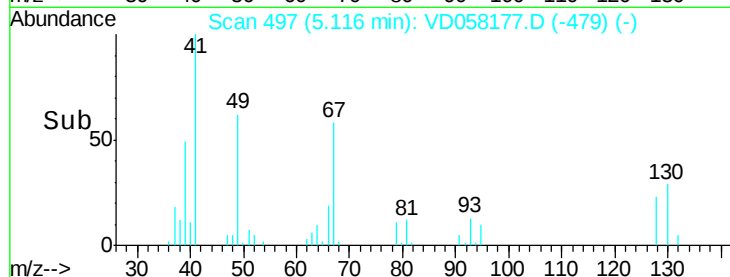
#41
Methacrylonitrile
Concen: 23.92 ug/l
RT: 5.12 min Scan# 497
Delta R.T. -0.02 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

Tot Ion: 41 Resp: 75177
Ion Ratio Lower Upper
41 100
39 54.1 40.7 61.1
67 53.3 38.8 58.2
52 24.9 17.3 25.9

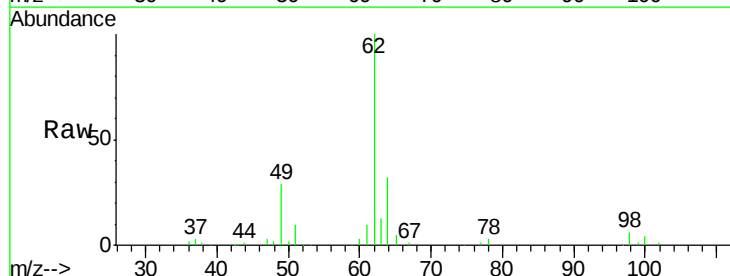


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

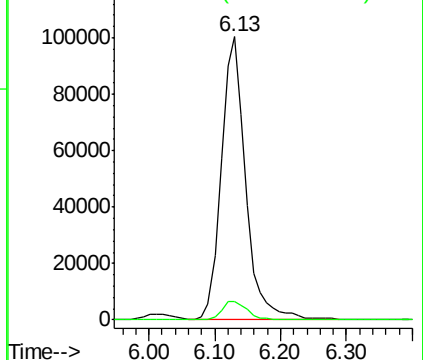
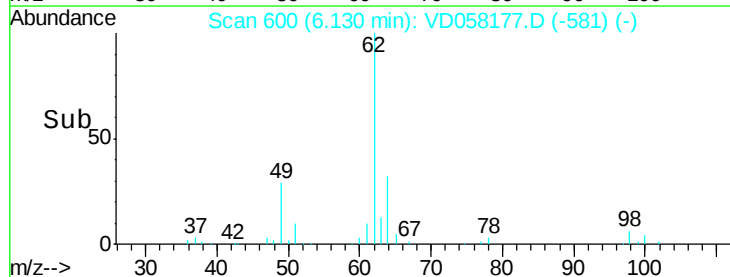


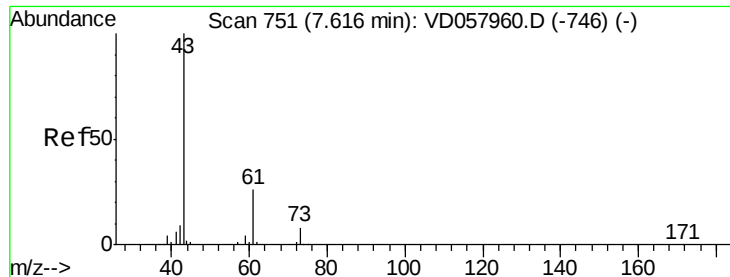
#42
1,2-Dichloroethane
Concen: 21.87 ug/l
RT: 6.13 min Scan# 600
Delta R.T. -0.01 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Tgt Ion: 62 Resp: 260213
Ion Ratio Lower Upper
62 100
98 6.3 0.0 12.8



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



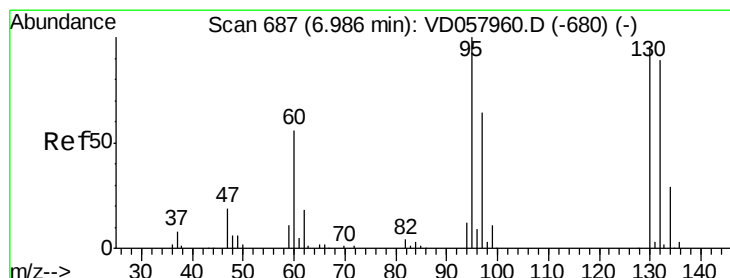
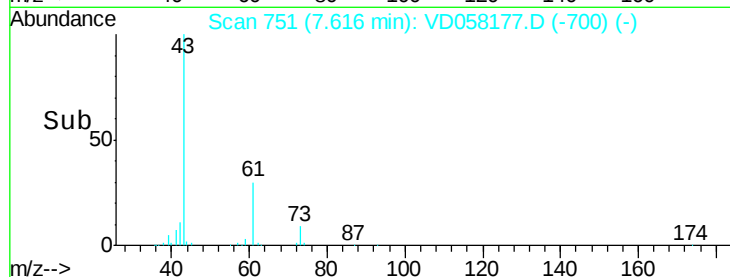
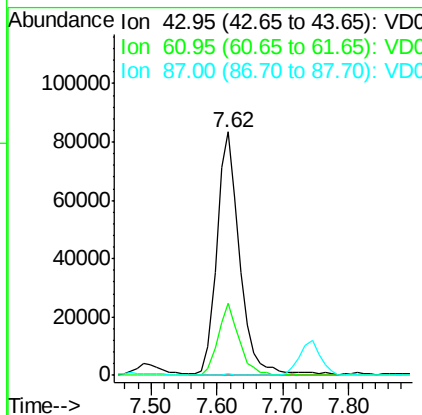
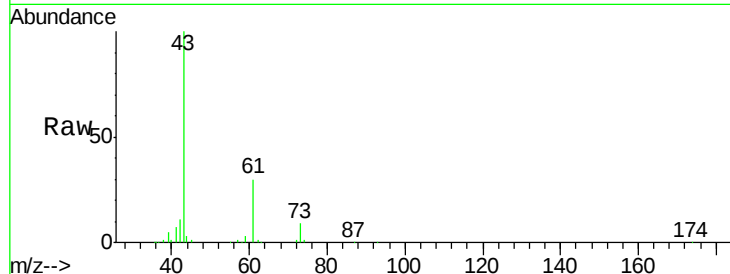


#43

Isopropyl Acetate
 Concen: 22.02 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

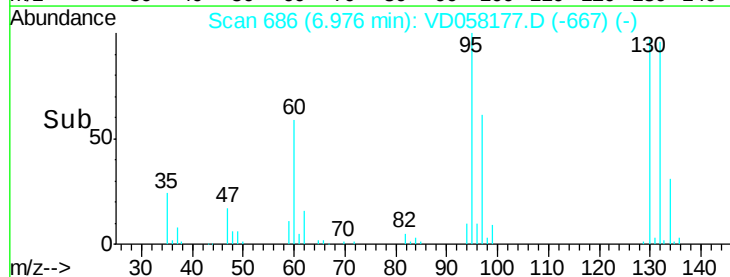
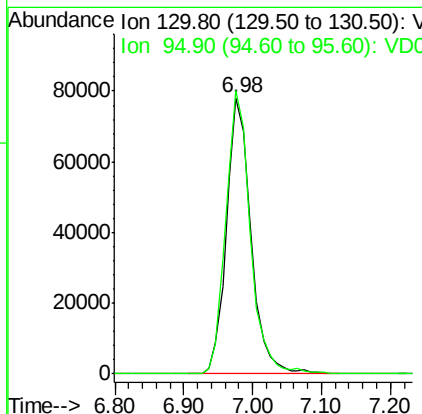
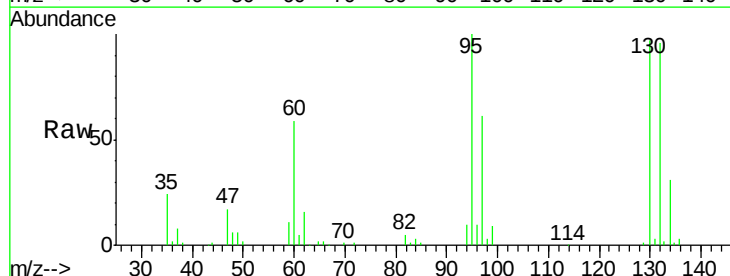
Tot Ion: 43 Resp: 198198
 Ion Ratio Lower Upper
 43 100
 61 29.7 20.6 30.8
 87 0.5 0.2 0.4#

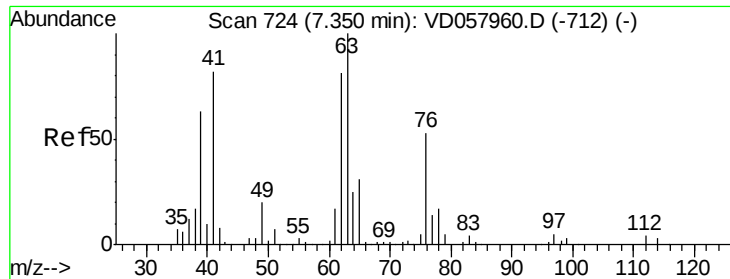


#44

Trichloroethene
 Concen: 22.28 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

Tgt Ion:130 Resp: 191515
 Ion Ratio Lower Upper
 130 100
 95 102.7 0.0 207.4





#45

1,2-Dichloropropane

Concen: 21.35 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

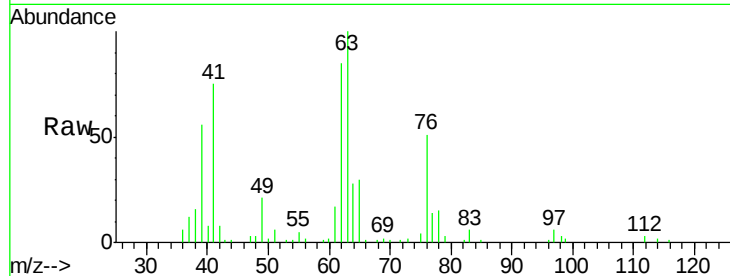
VD0618SBS01

Tot Ion: 63 Resp: 174583

Ion Ratio Lower Upper

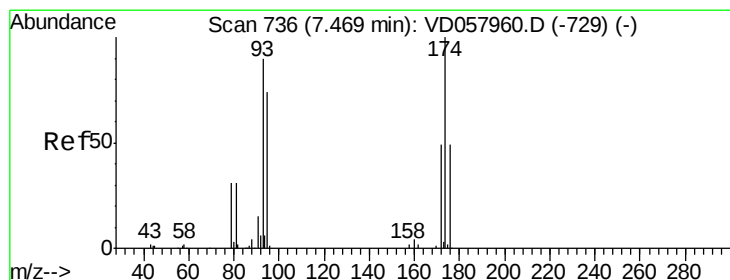
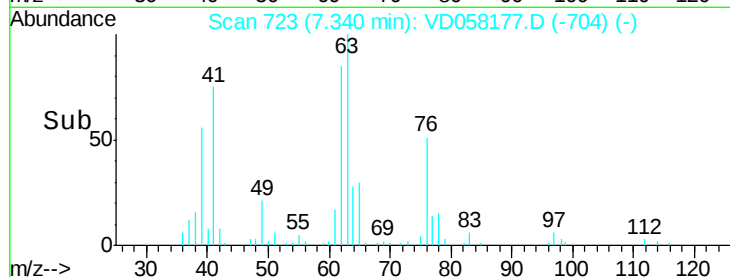
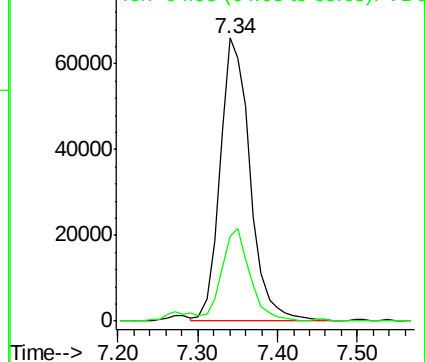
63 100

65 30.1 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.97 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

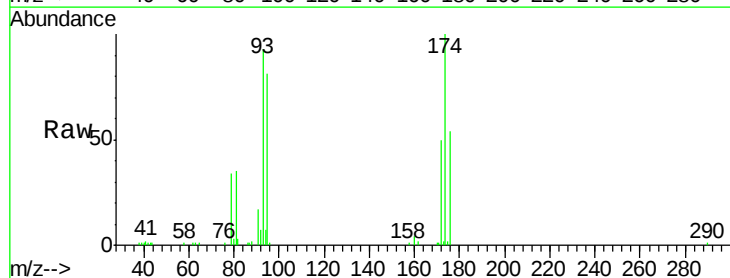
Tgt Ion: 93 Resp: 115402

Ion Ratio Lower Upper

93 100

95 87.0 65.7 98.5

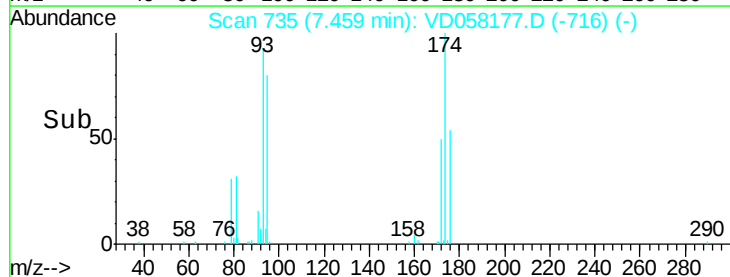
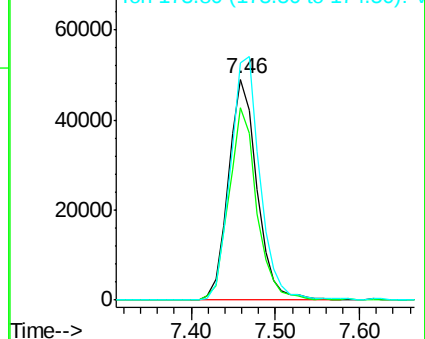
174 107.6 89.0 133.4

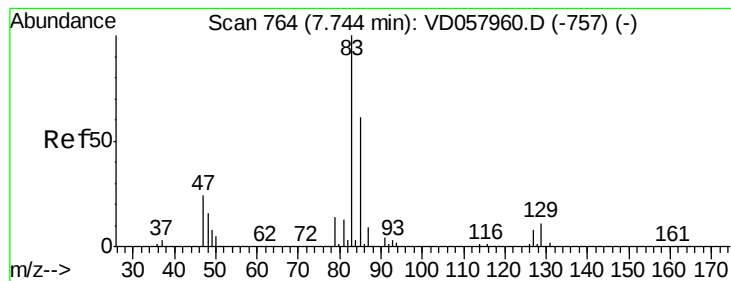


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.71 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

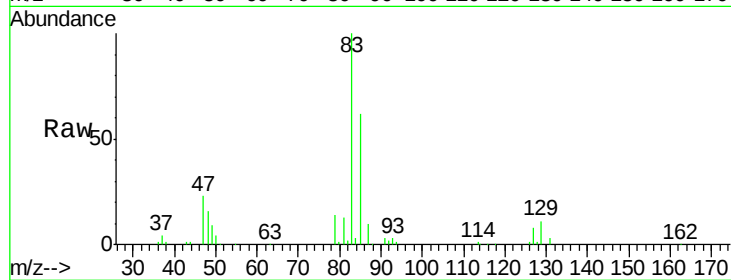
Tot Ion: 83 Resp: 267069

Ion Ratio Lower Upper

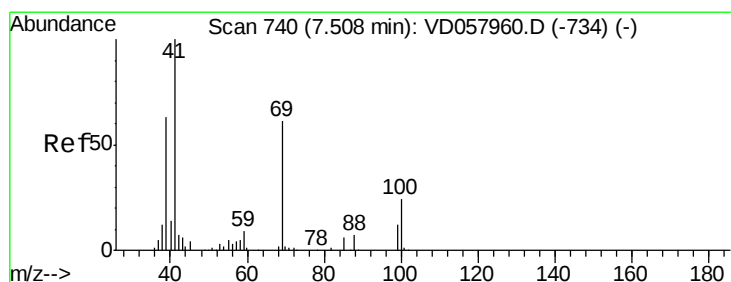
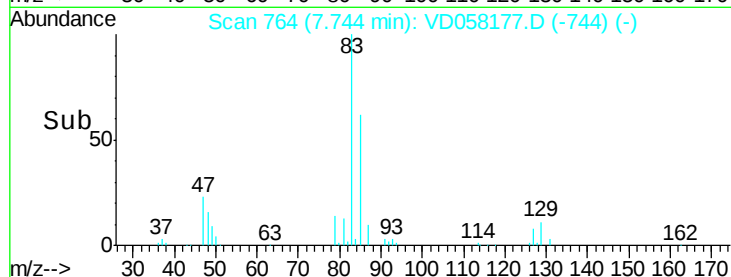
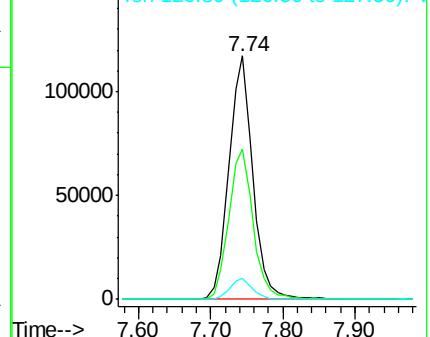
83 100

85 61.8 49.1 73.7

127 8.4 6.2 9.2



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.37 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

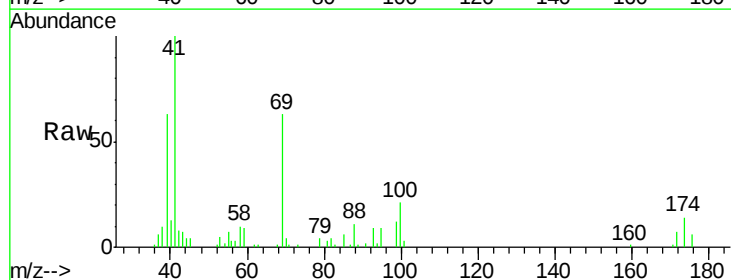
Tgt Ion: 41 Resp: 112858

Ion Ratio Lower Upper

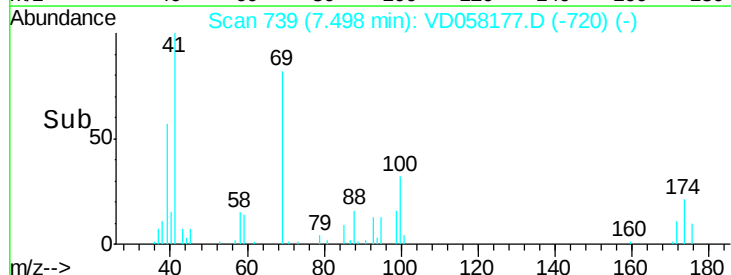
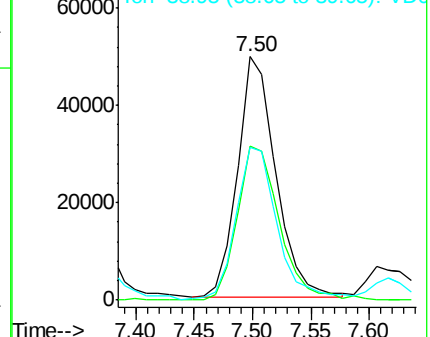
41 100

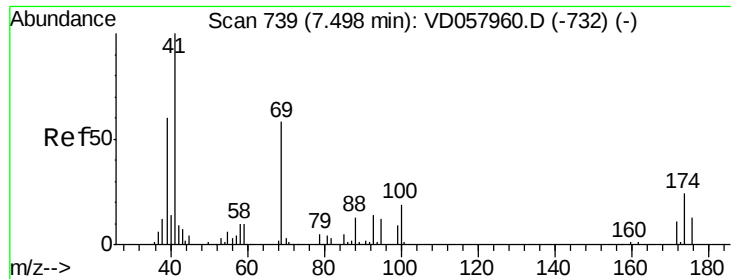
69 63.0 48.0 72.0

39 62.6 50.7 76.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 497.37 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

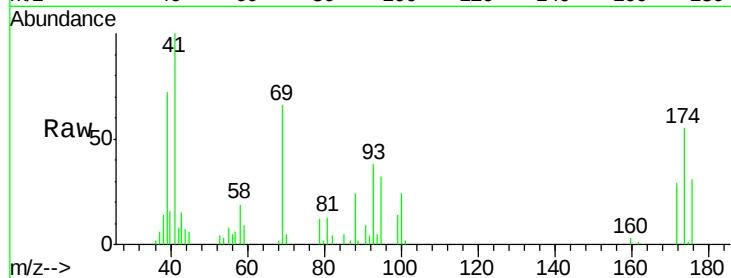
Tot Ion: 88 Resp: 22831

Ion Ratio Lower Upper

88 100

43 59.9 46.6 69.8

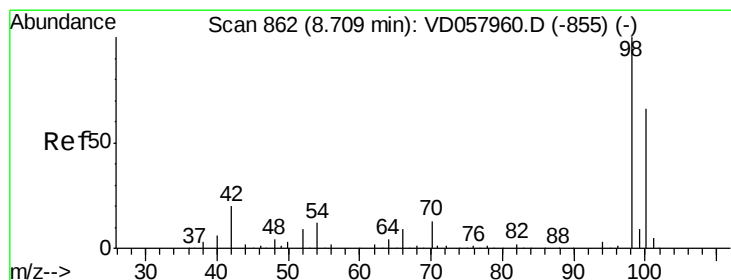
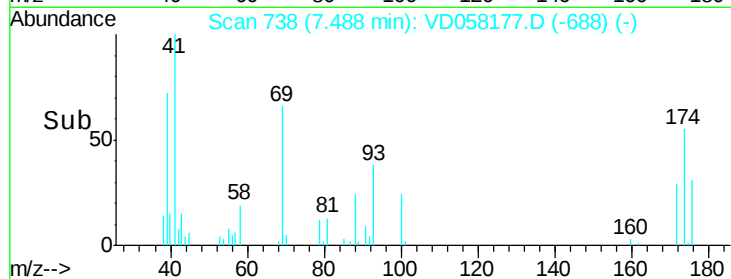
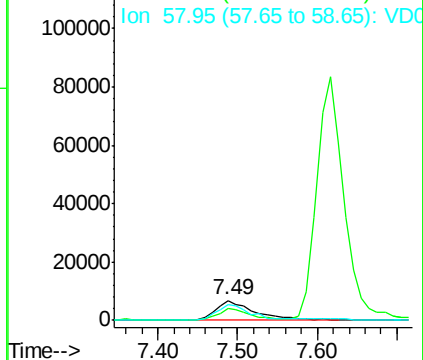
58 77.2 63.6 95.4



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: 497.37 ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD058177.D

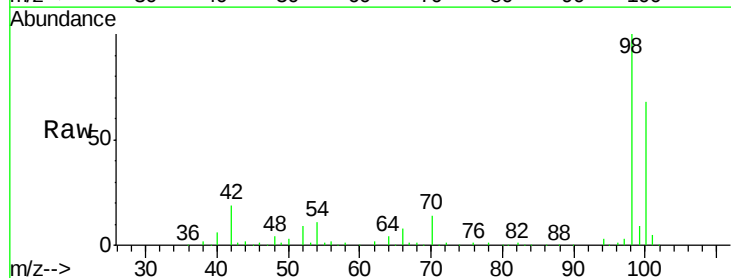
Acq: 18 Jun 2018 13:20

Tgt Ion: 98 Resp: 1000552

Ion Ratio Lower Upper

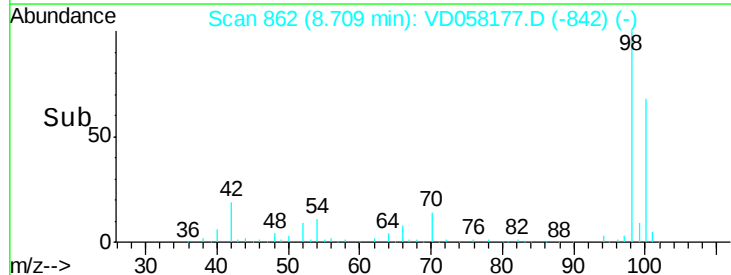
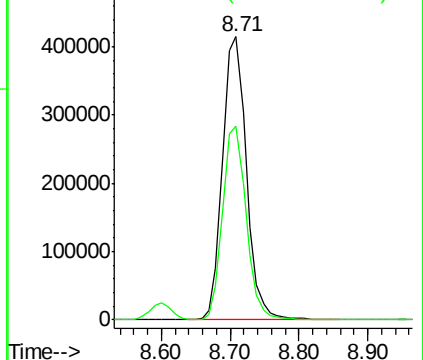
98 100

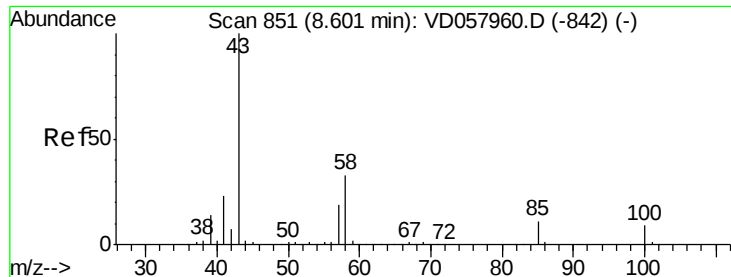
100 68.4 53.4 80.0



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: 113.42 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

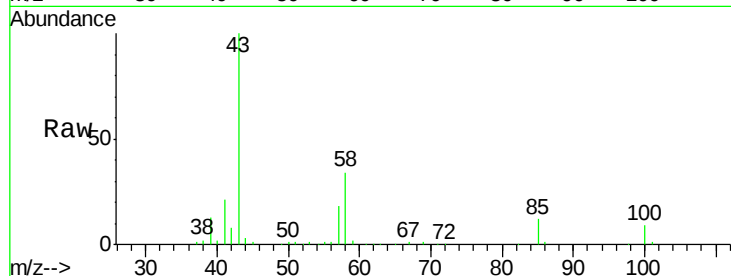
VD0618SBS01

Tot Ion: 43 Resp: 654904

Ion Ratio Lower Upper

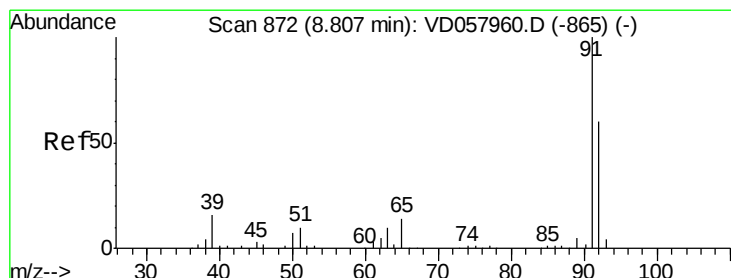
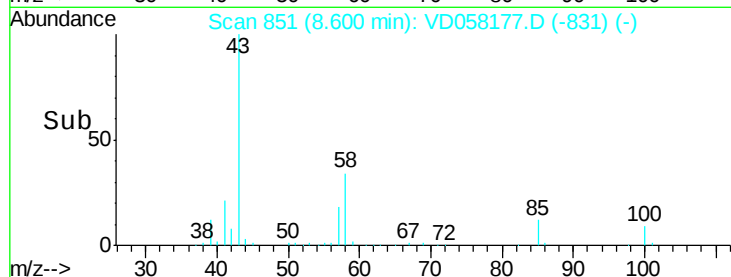
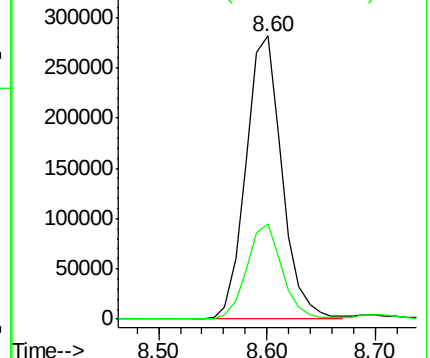
43 100

58 33.8 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: 21.52 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058177.D

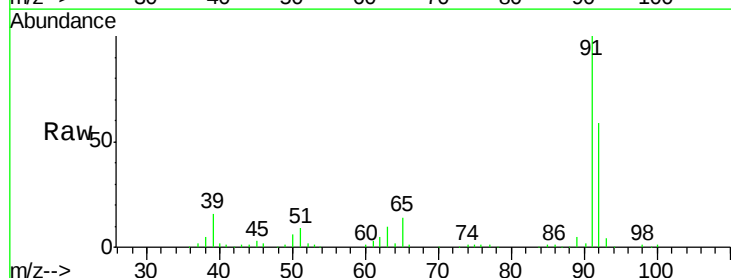
Acq: 18 Jun 2018 13:20

Tgt Ion: 92 Resp: 363457

Ion Ratio Lower Upper

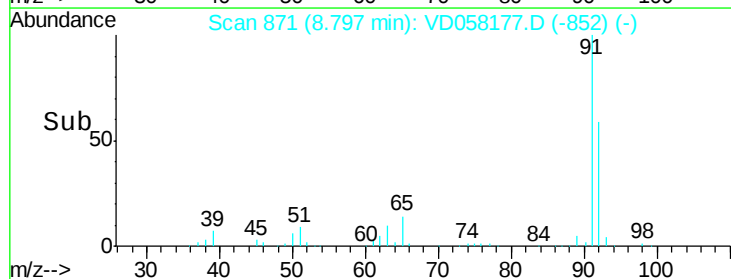
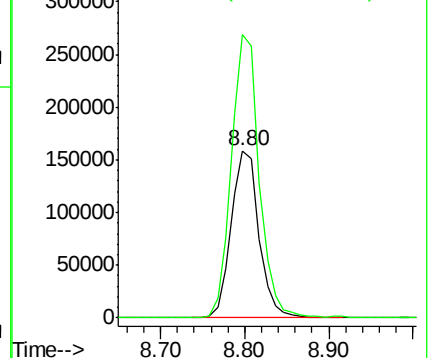
92 100

91 169.1 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

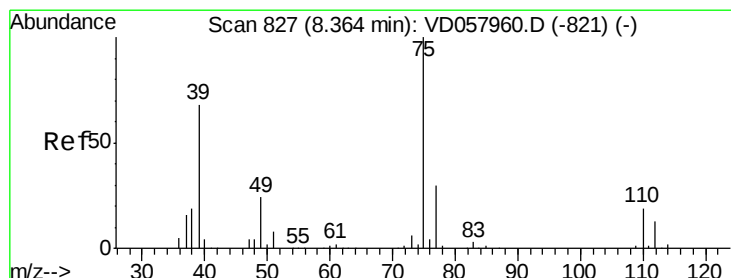
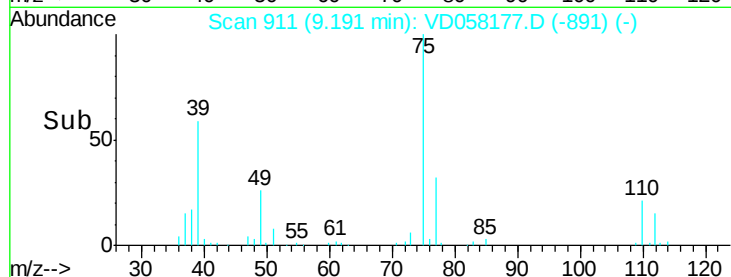
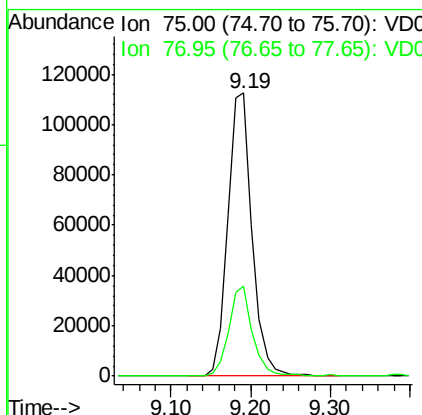
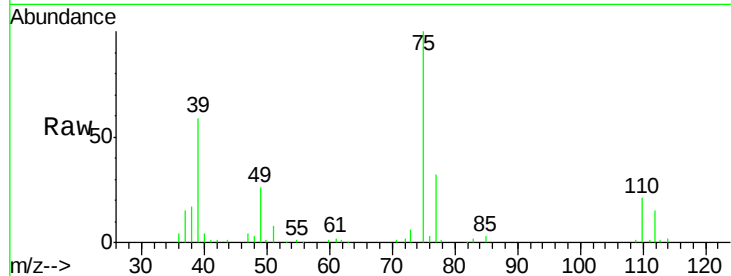




#53
 t-1,3-Dichloropropene
 Concen: 22.64 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

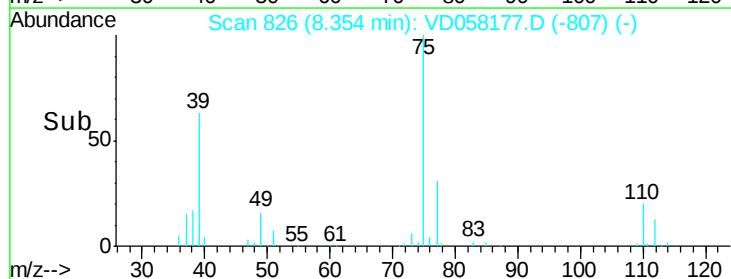
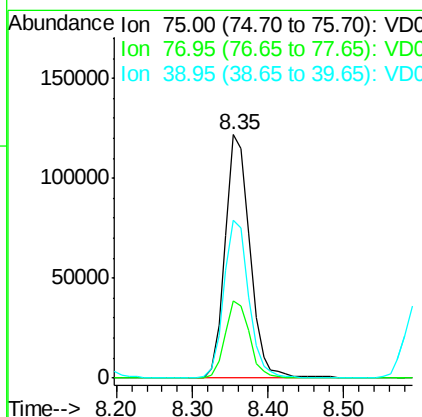
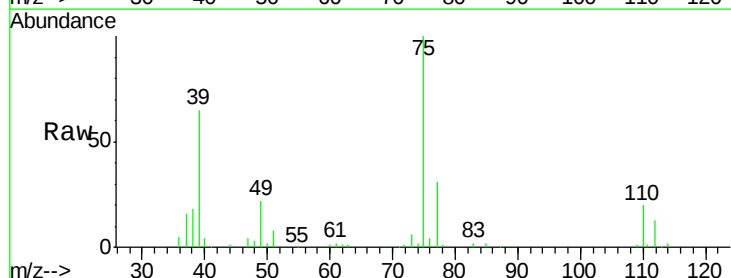
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

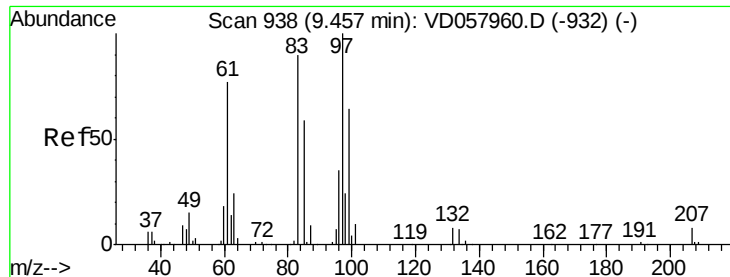
Tot Ion: 75 Resp: 239969
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 22.16 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

Tgt Ion: 75 Resp: 276636
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.1 36.1
 39 64.6 54.0 81.0

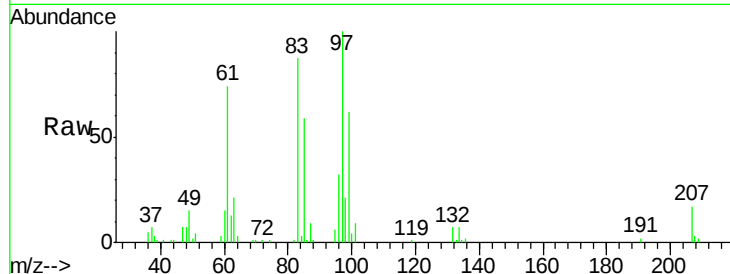




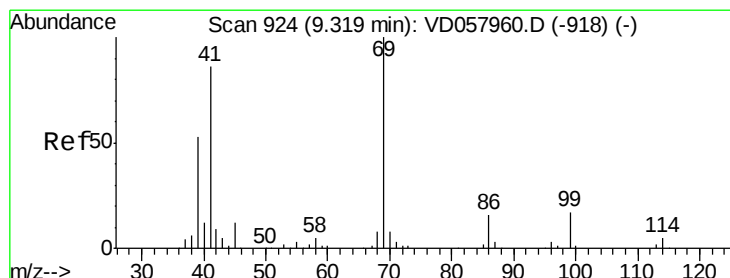
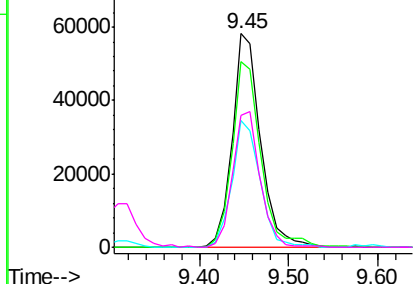
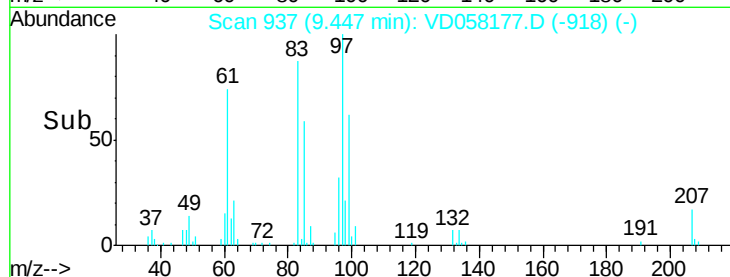
#55
 1,1,2-Trichloroethane
 Concen: 23.67 ug/l
 RT: 9.45 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

Tot Ion:	97	Resp:	129360
Ion	Ratio	Lower	Upper
97	100		
83	86.9	71.8	107.8
85	59.1	47.2	70.8
99	61.9	51.4	77.0

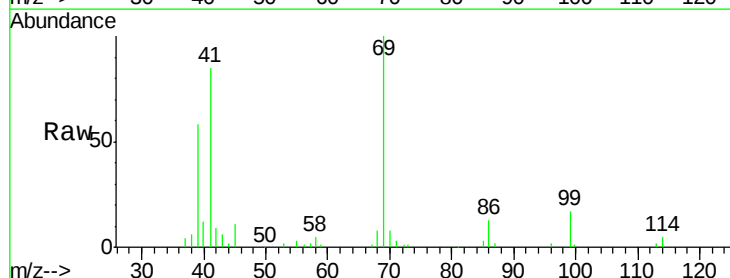


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

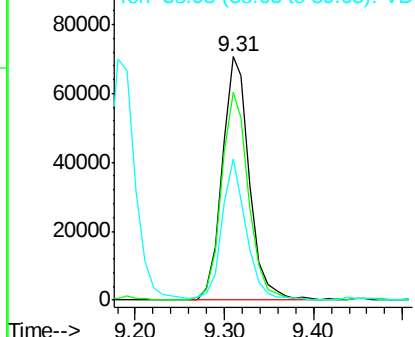
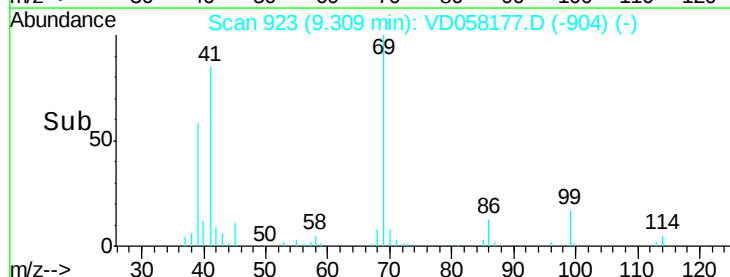


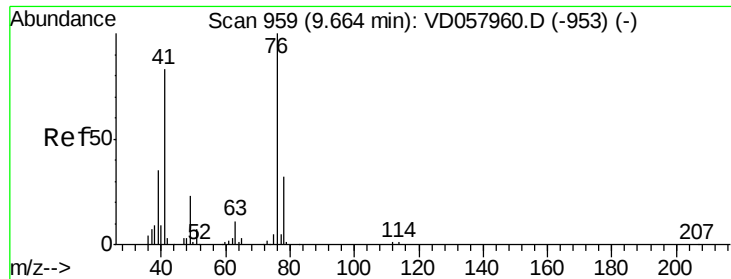
#56
 Ethyl methacrylate
 Concen: 22.57 ug/l
 RT: 9.31 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

Tgt Ion:	69	Resp:	151301
Ion	Ratio	Lower	Upper
69	100		
41	85.5	68.4	102.6
39	57.9	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

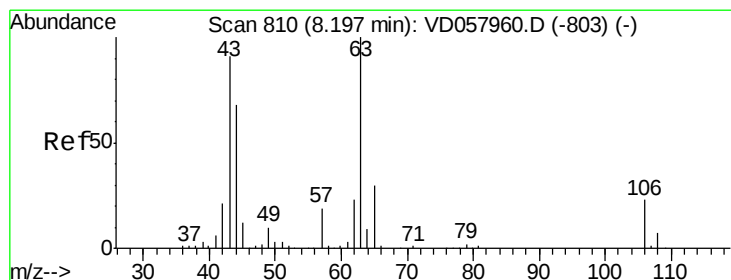
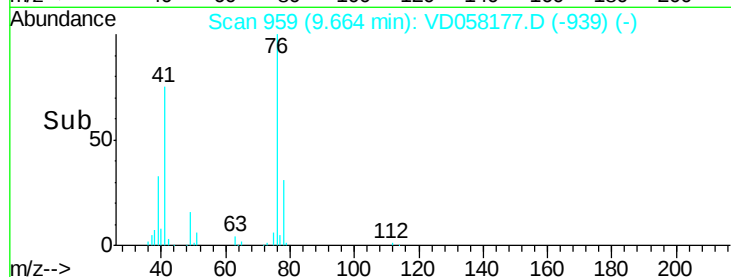
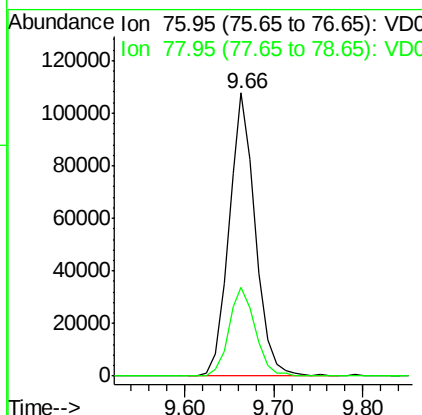
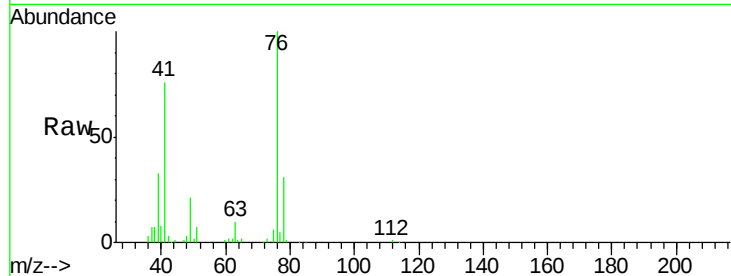




#57
 1,3-Dichloropropane
 Concen: 23.05 ug/l
 RT: 9.66 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

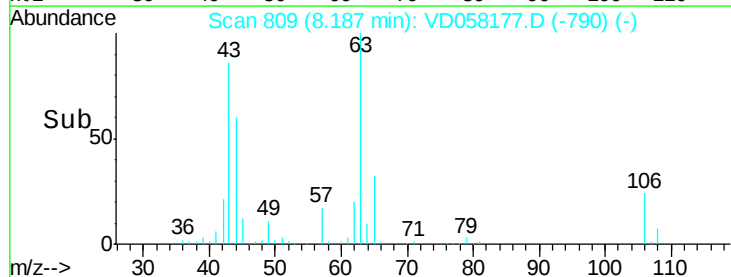
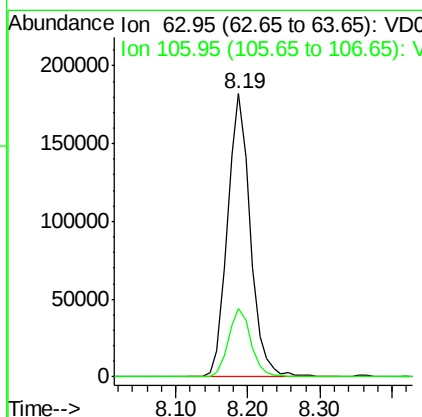
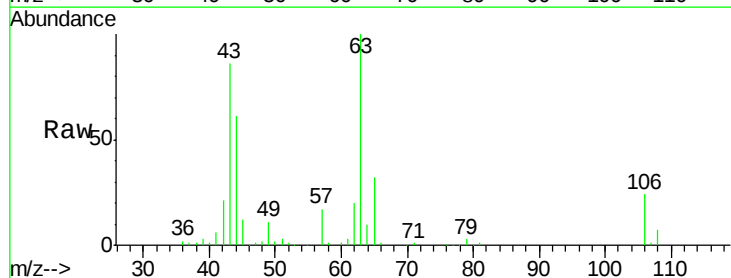
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

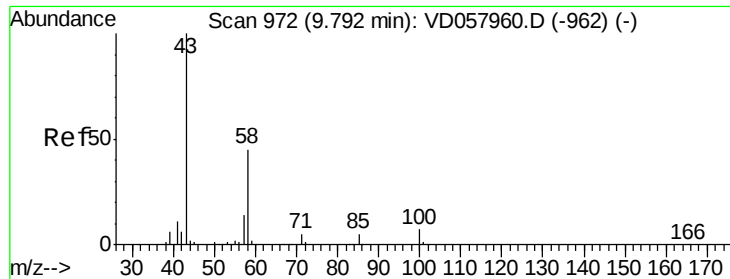
Tot Ion: 76 Resp: 220963
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.59 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

Tgt Ion: 63 Resp: 401685
 Ion Ratio Lower Upper
 63 100
 106 24.1 18.7 28.1

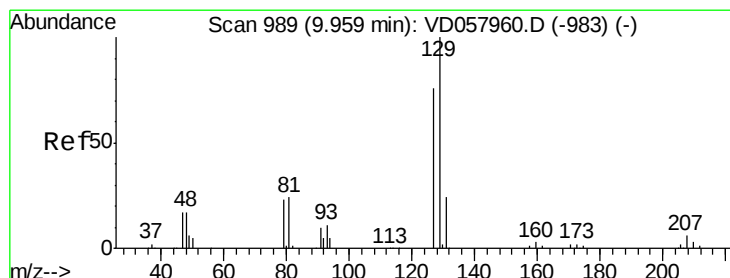
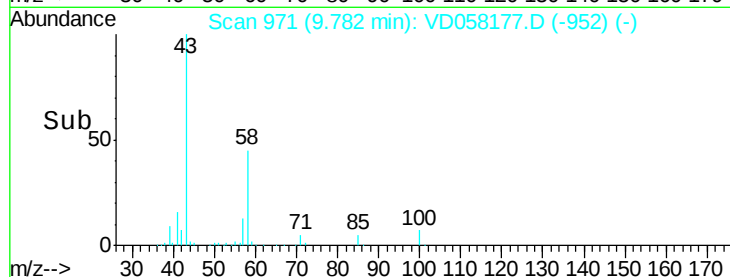
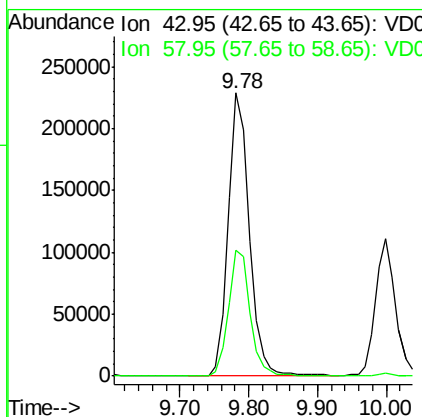
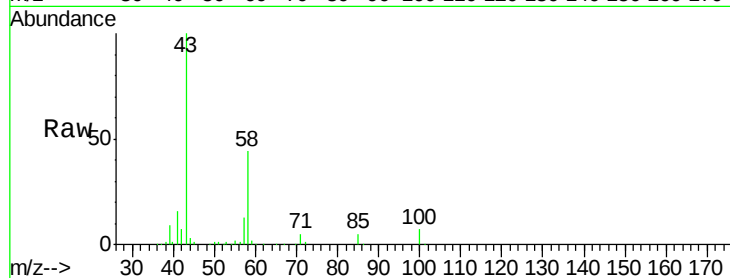




#59
2-Hexanone
Concen: 114.87 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

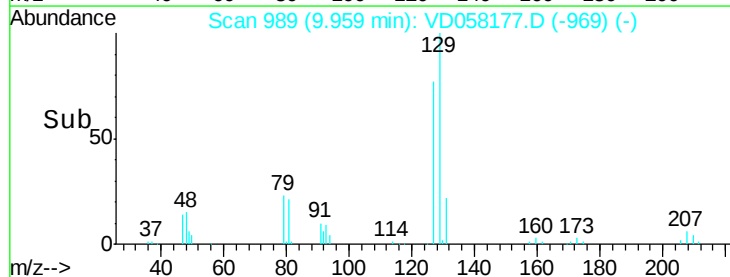
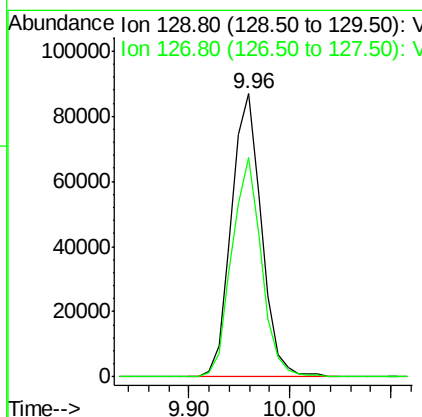
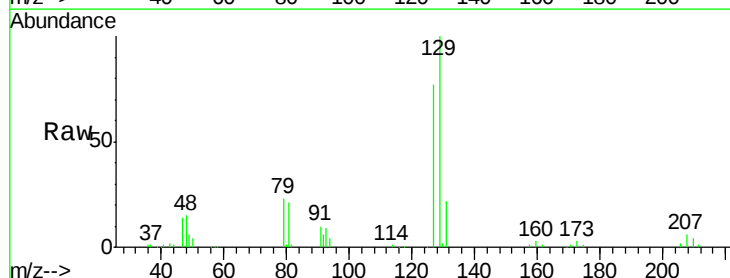
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

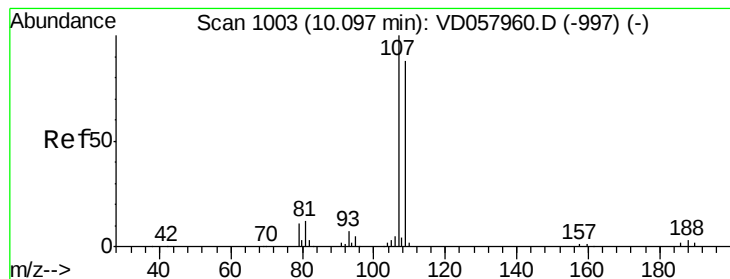
Tot Ion: 43 Resp: 486096
Ion Ratio Lower Upper
43 100
58 44.4 22.5 67.5



#60
Dibromochloromethane
Concen: 23.36 ug/l
RT: 9.96 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Tgt Ion: 129 Resp: 180004
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 22.17 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

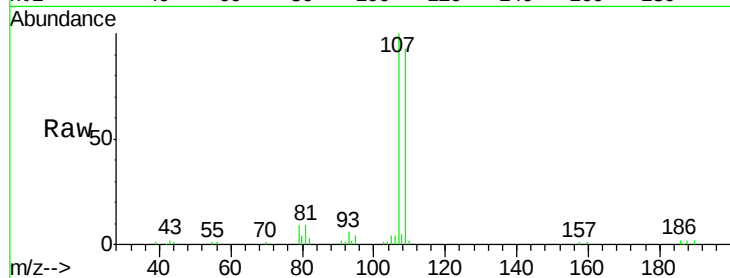
VD0618SBS01

Tot Ion:107 Resp: 139328

Ion Ratio Lower Upper

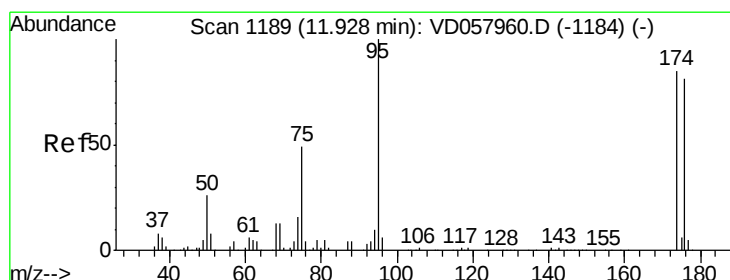
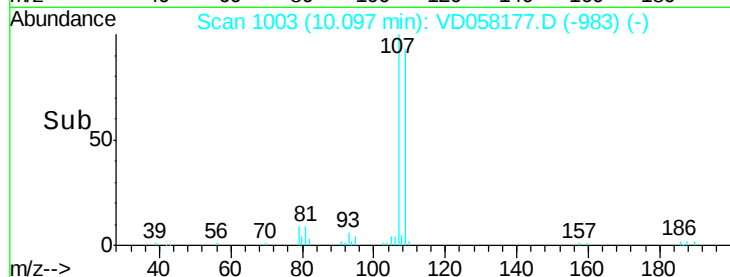
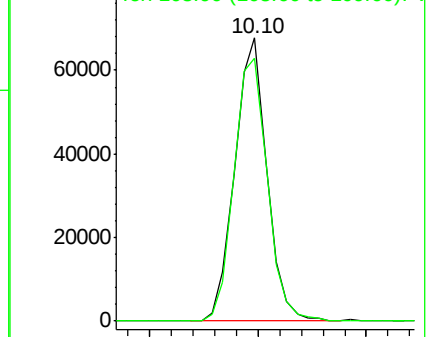
107 100

109 93.0 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: 22.17 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

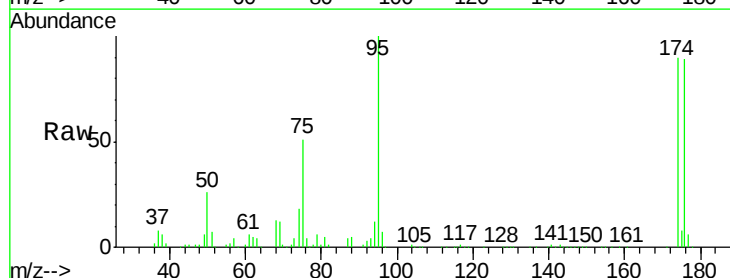
Tgt Ion: 95 Resp: 426712

Ion Ratio Lower Upper

95 100

174 90.3 0.0 169.4

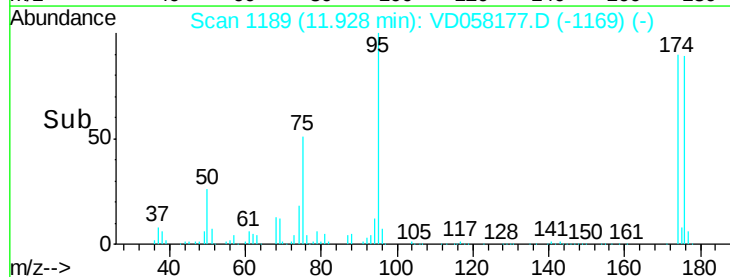
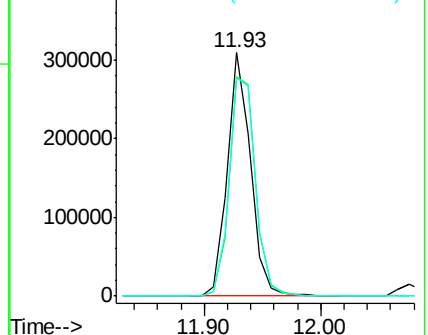
176 89.4 0.0 162.6

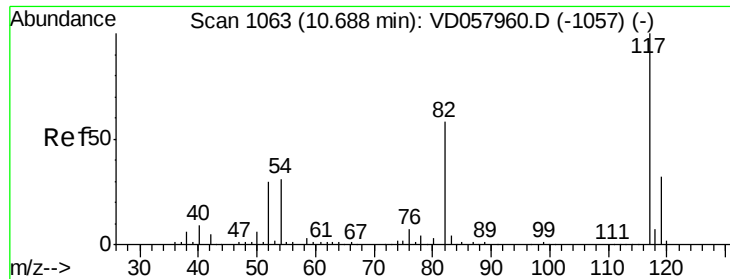


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

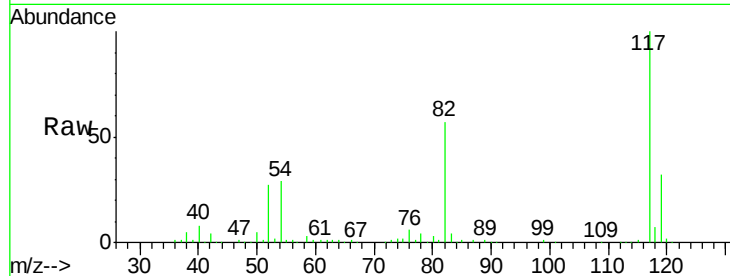




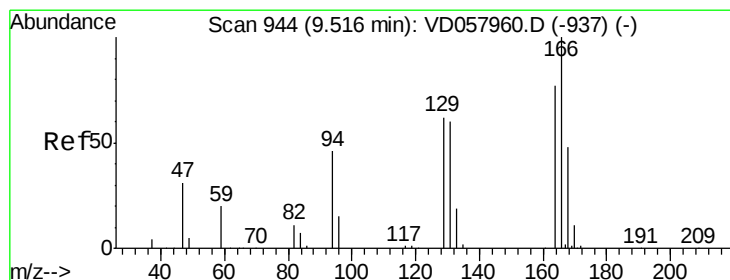
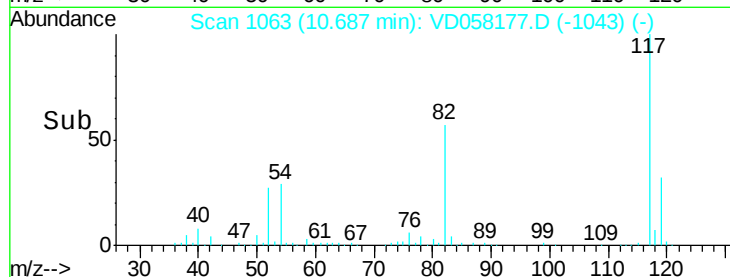
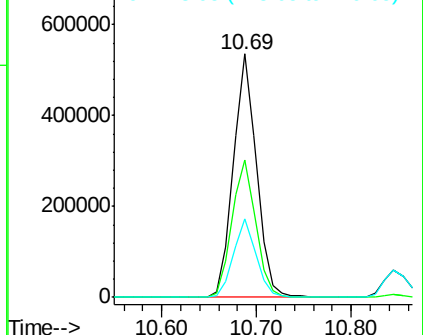
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

Tot Ion:117 Resp: 910496
Ion Ratio Lower Upper
117 100
82 56.5 46.8 70.2
119 32.2 25.8 38.6

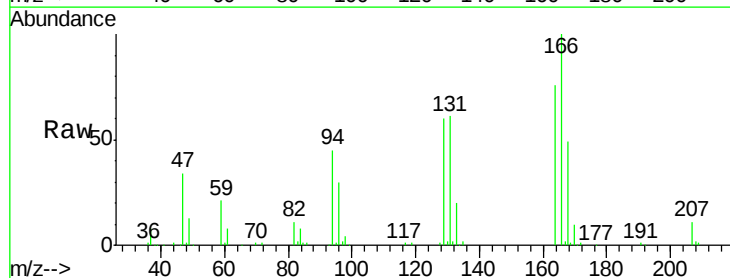


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

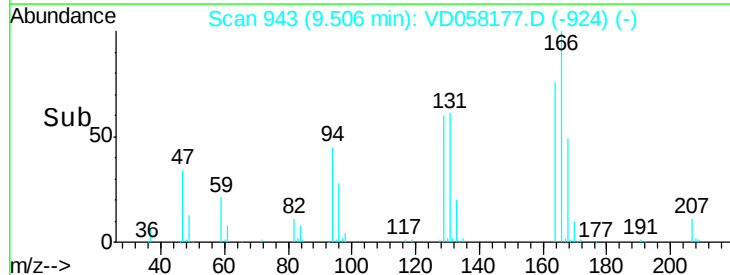
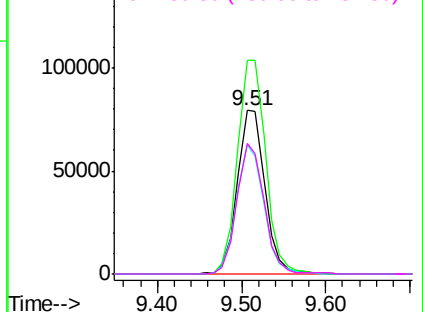


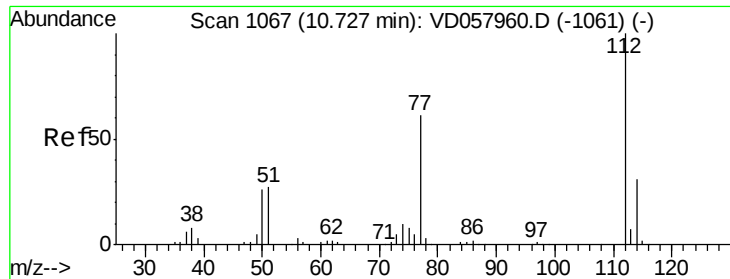
#64
Tetrachloroethene
Concen: 22.25 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Tgt Ion:164 Resp: 181139
Ion Ratio Lower Upper
164 100
166 130.8 104.4 156.6
129 78.9 65.0 97.6
131 80.0 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

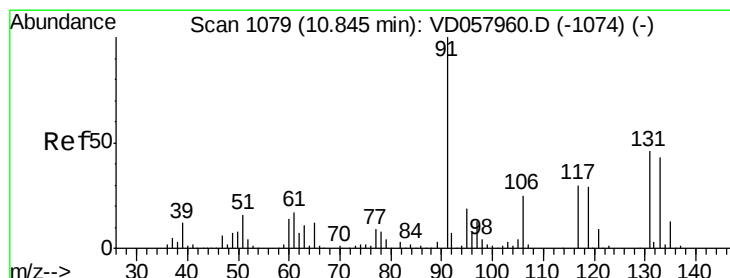
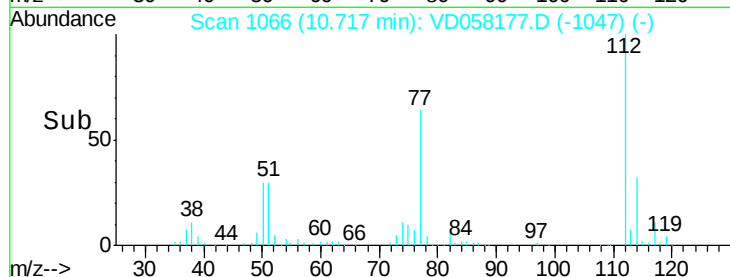
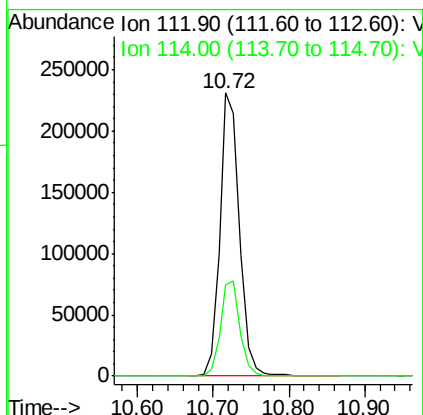
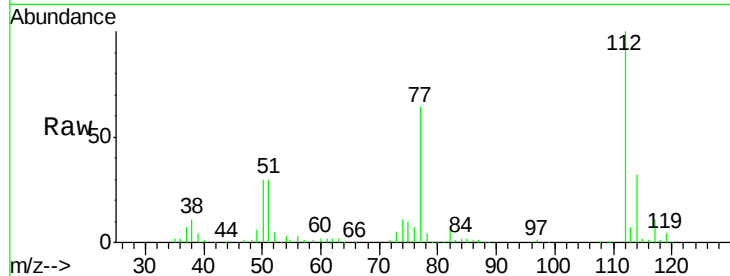




#65
Chlorobenzene
Concen: 22.46 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

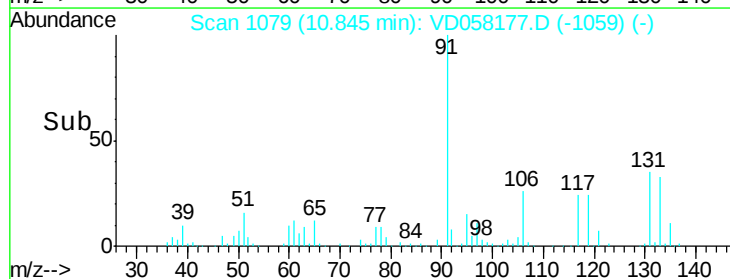
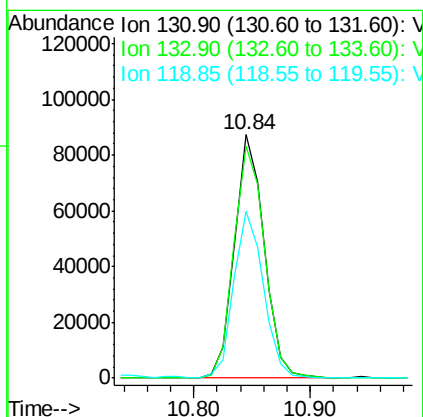
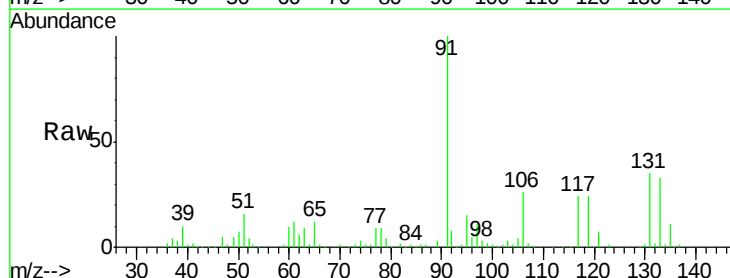
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

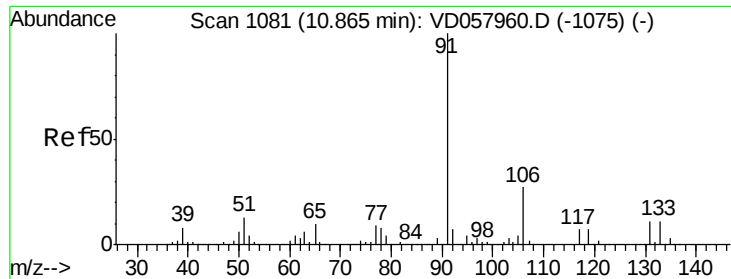
Tot Ion:112 Resp: 414080
Ion Ratio Lower Upper
112 100
114 32.1 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.84 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Tgt Ion:131 Resp: 154667
Ion Ratio Lower Upper
131 100
133 95.2 46.9 140.6
119 68.6 31.8 95.3

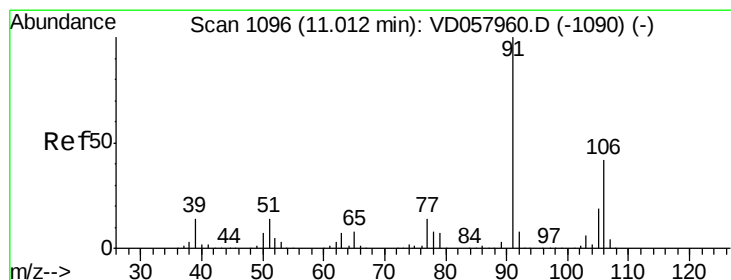
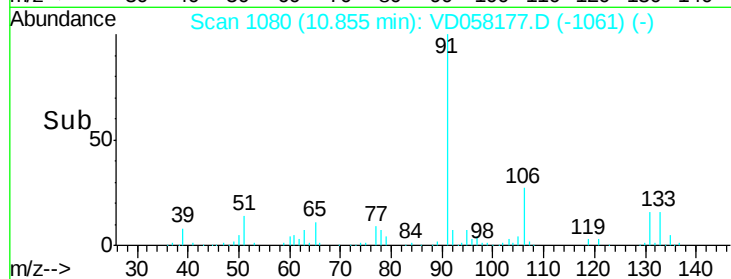
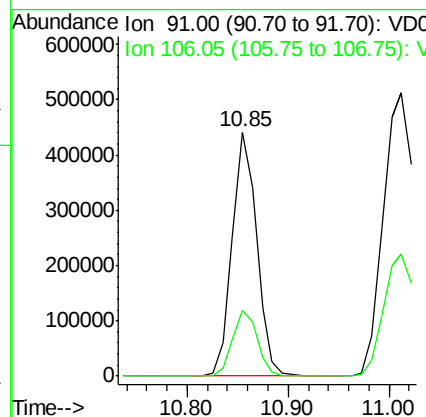
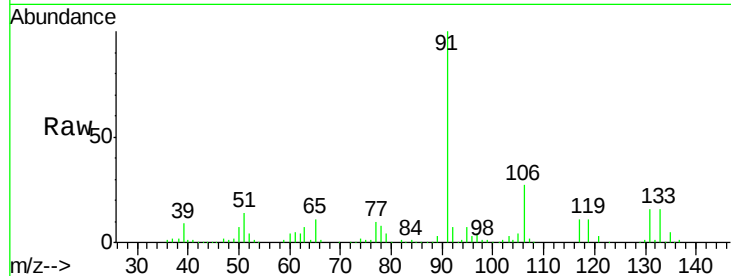




#67
Ethyl Benzene
Concen: 22.51 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

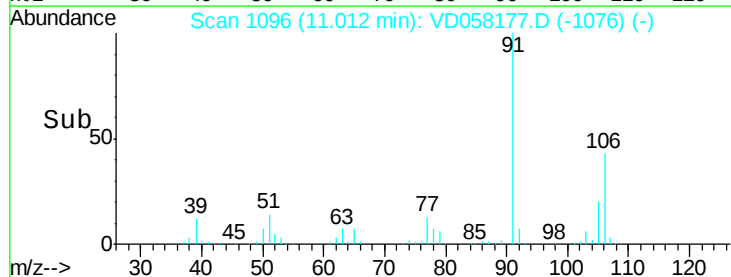
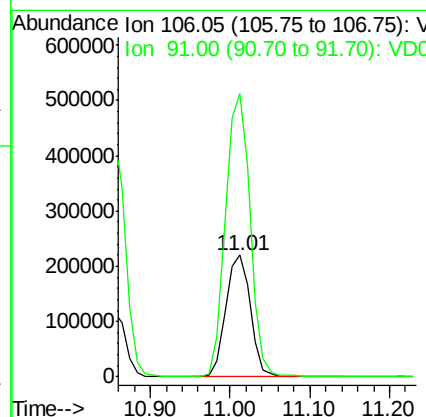
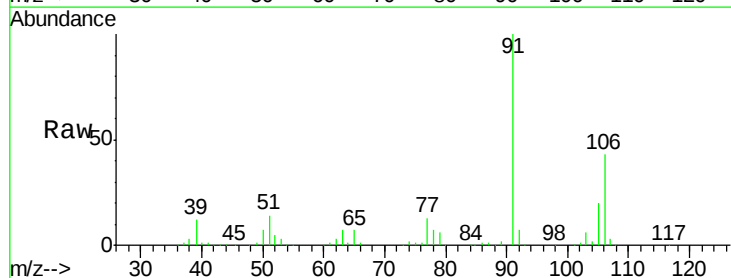
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

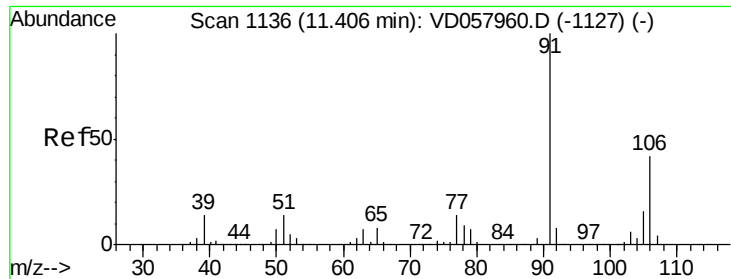
Tot Ion: 91 Resp: 749649
Ion Ratio Lower Upper
91 100
106 26.8 21.5 32.3



#68
m/p-Xylenes
Concen: 44.46 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Tgt Ion: 106 Resp: 482653
Ion Ratio Lower Upper
106 100
91 232.8 190.4 285.6

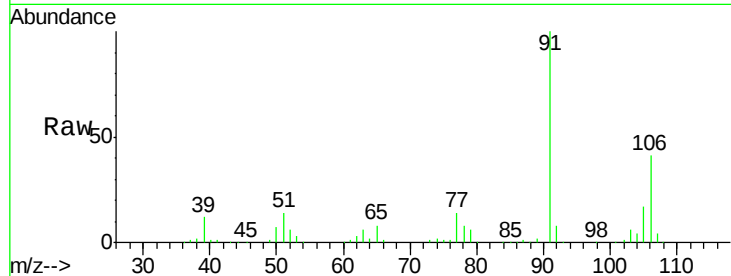




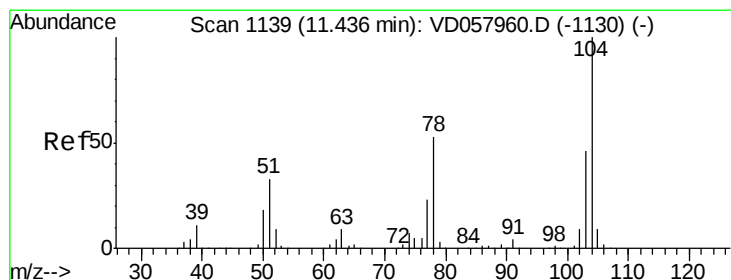
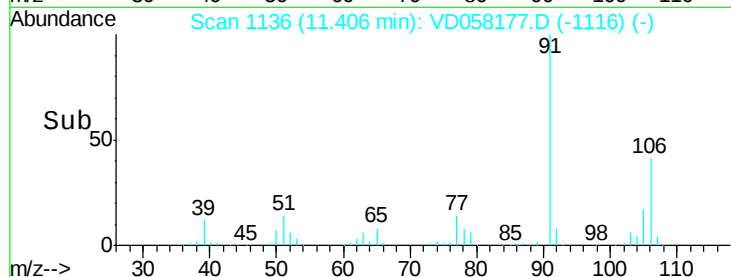
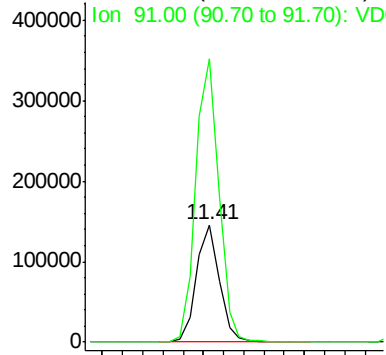
#69
o-Xylene
Concen: 21.48 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

Tot Ion:106 Resp: 231489
Ion Ratio Lower Upper
106 100
91 241.1 120.6 361.7

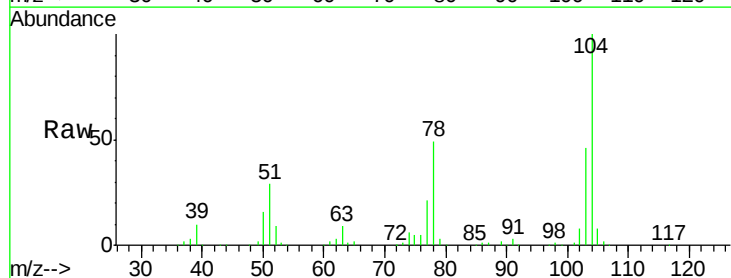


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

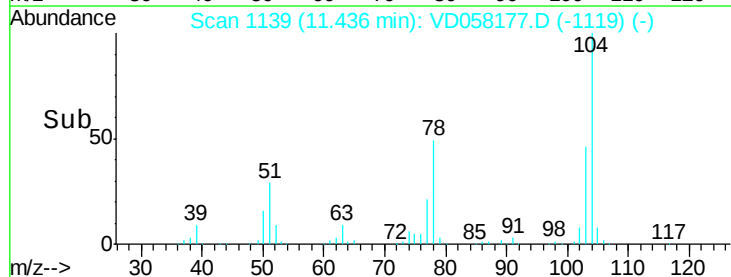
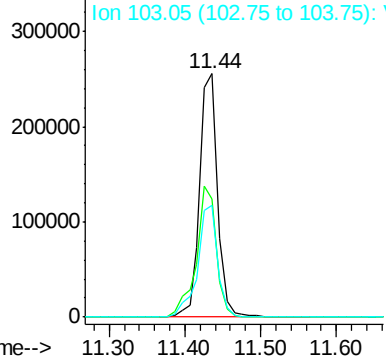


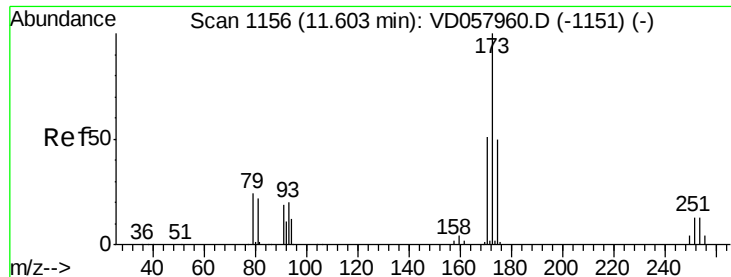
#70
Styrene
Concen: 23.26 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Tgt Ion:104 Resp: 414914
Ion Ratio Lower Upper
104 100
78 48.5 42.1 63.1
103 46.0 37.0 55.6



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

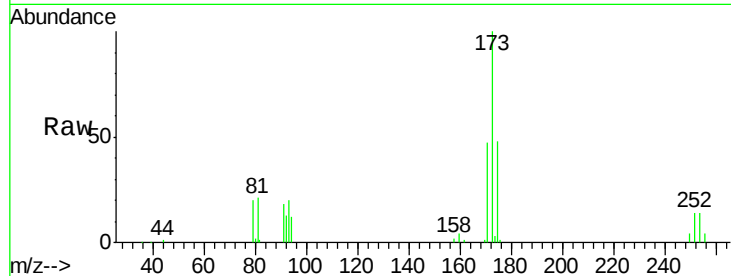




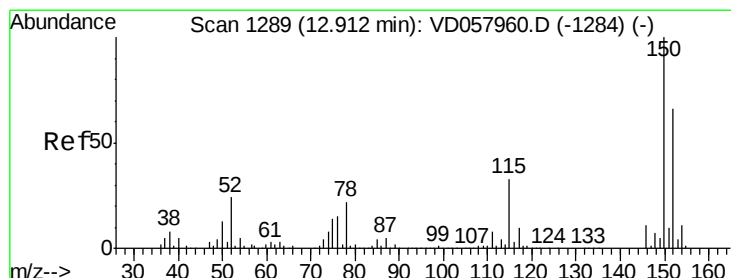
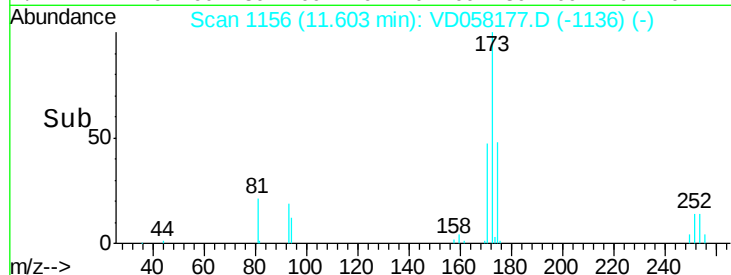
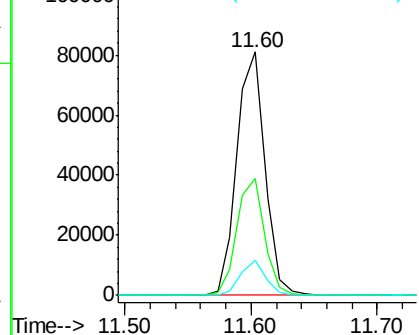
#71
Bromoform
Concen: 23.33 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

Tot Ion:173 Resp: 124303
Ion Ratio Lower Upper
173 100
175 47.8 25.1 75.2
254 14.4 10.7 16.1

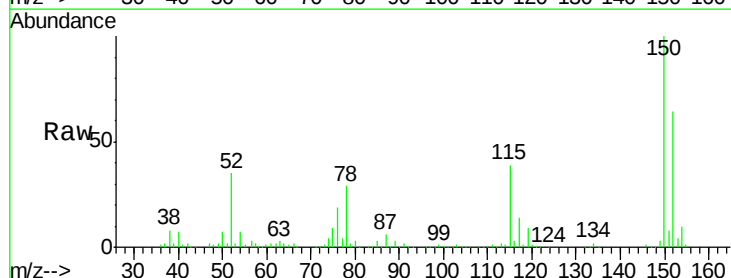


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

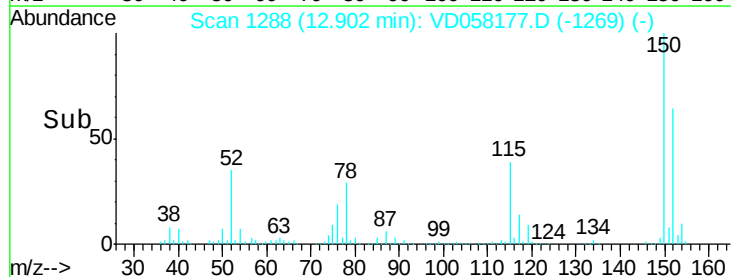
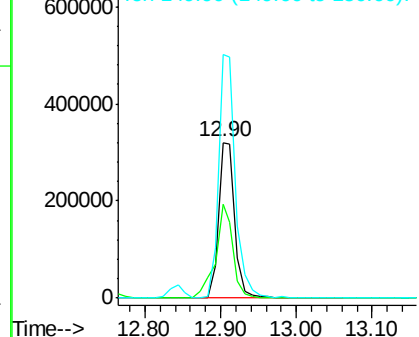


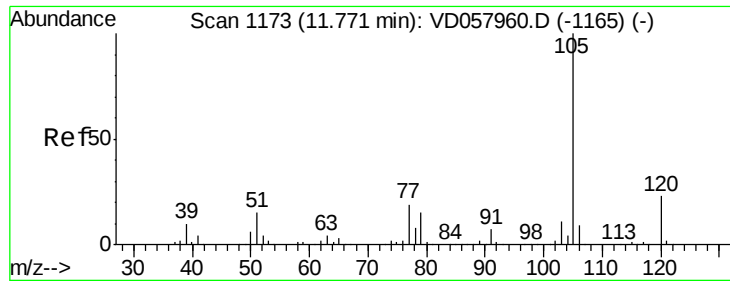
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Tgt Ion:152 Resp: 484584
Ion Ratio Lower Upper
152 100
115 60.5 25.6 76.6
150 156.4 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: 20.97 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

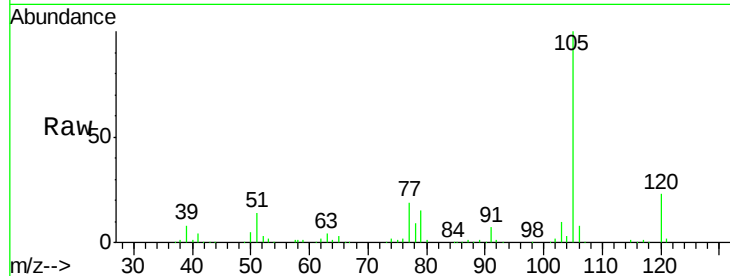
VD0618SBS01

Tot Ion:105 Resp: 672927

Ion Ratio Lower Upper

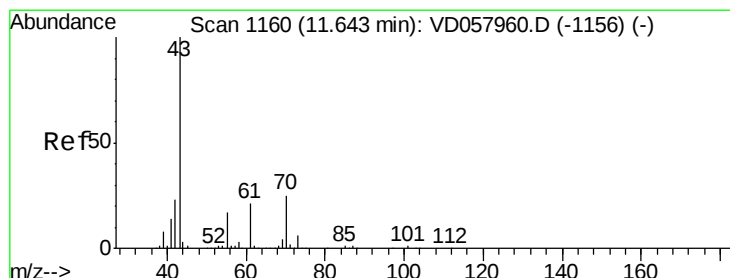
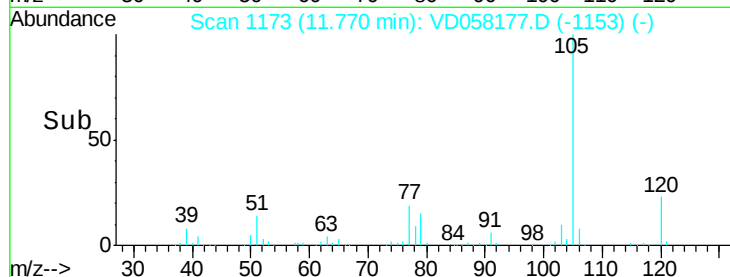
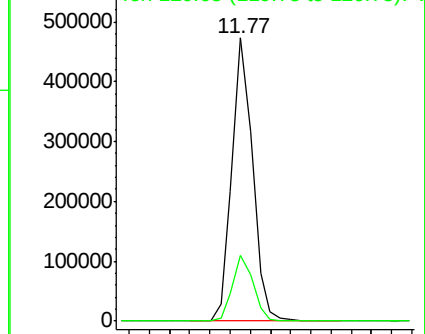
105 100

120 23.1 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: 20.51 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Tgt Ion: 43 Resp: 254009

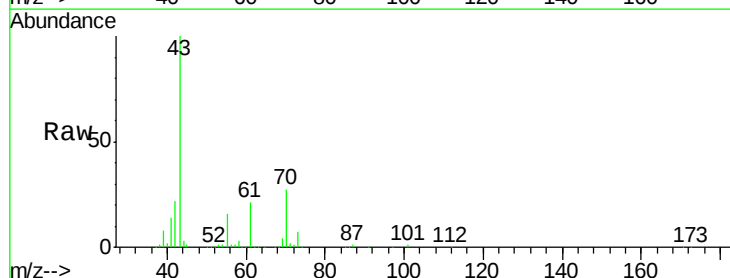
Ion Ratio Lower Upper

43 100

70 26.8 20.3 30.5

55 16.5 13.9 20.9

61 21.4 16.6 24.8

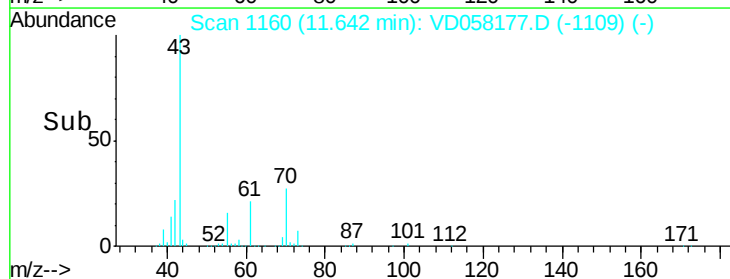
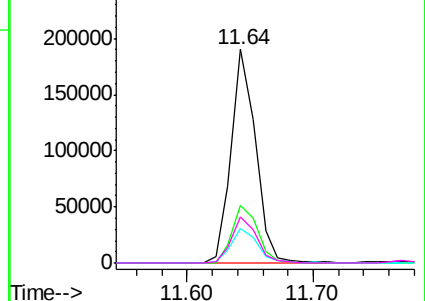


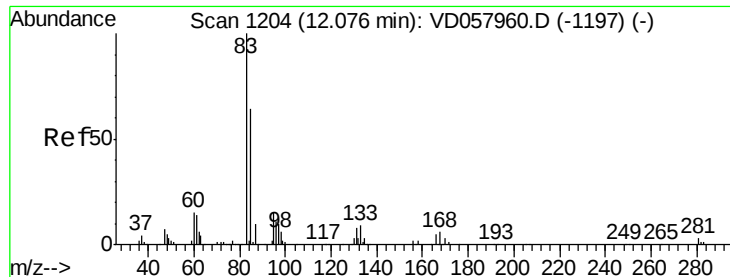
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

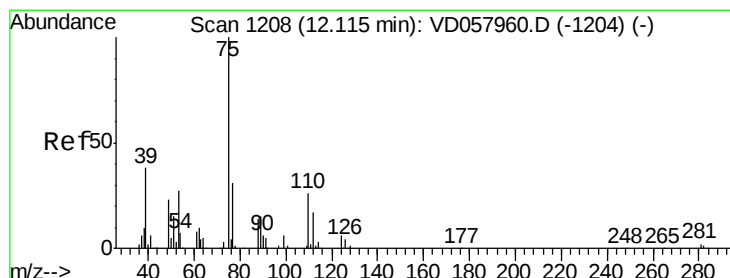
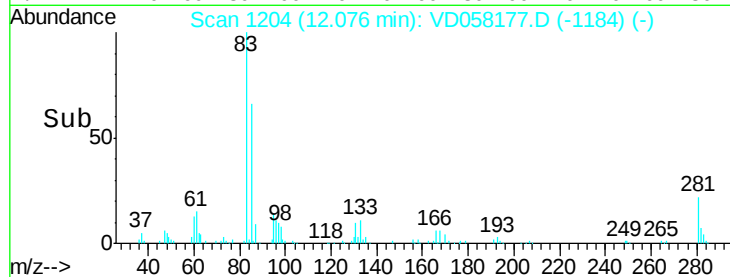
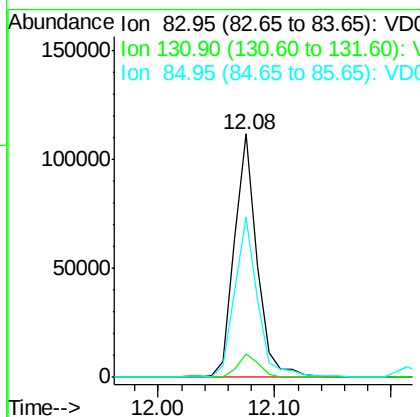
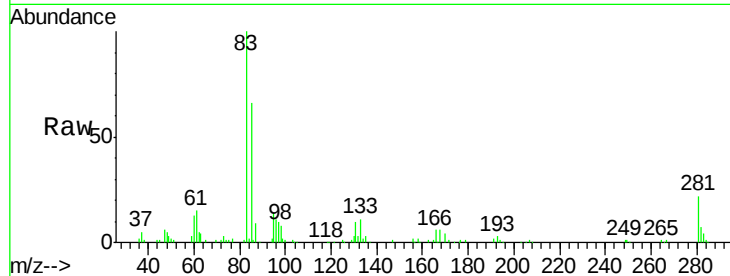




#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.52 ug/l
 RT: 12.08 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

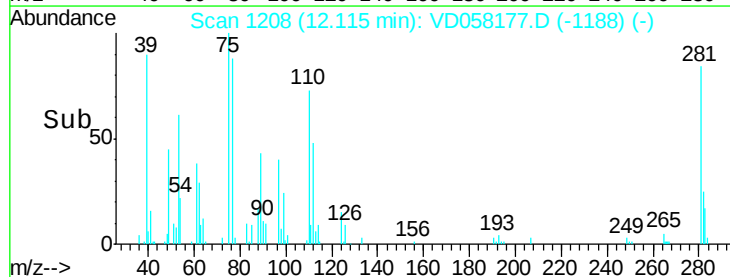
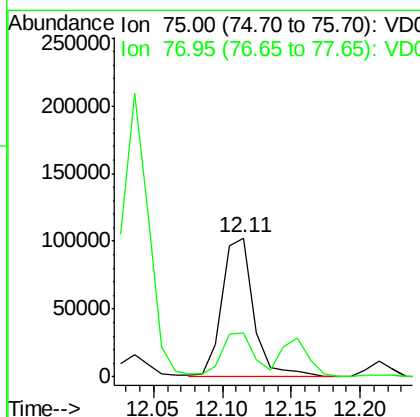
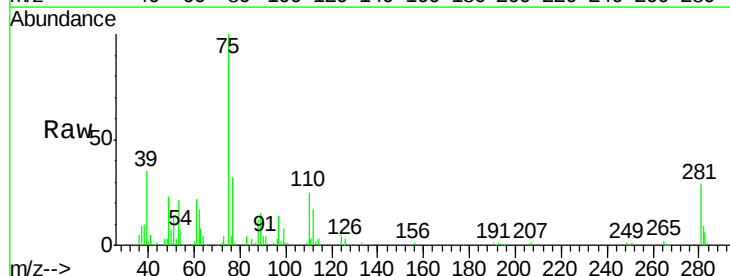
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

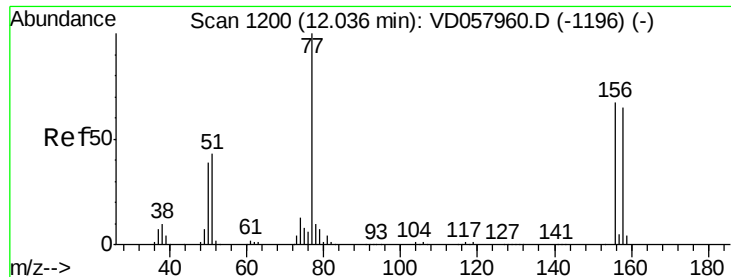
Tot Ion	83	Resp	150589
Ion Ratio	100	Lower	Upper
83	100		
131	9.6	4.2	12.6
85	65.7	31.9	95.5



#76
 1,2,3-Trichloropropane
 Concen: 22.44 ug/l
 RT: 12.11 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

Tgt Ion	75	Resp	163381
Ion Ratio	100	Lower	Upper
75	100		
77	31.6	16.7	50.1





#77

Bromobenzene

Concen: 22.13 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

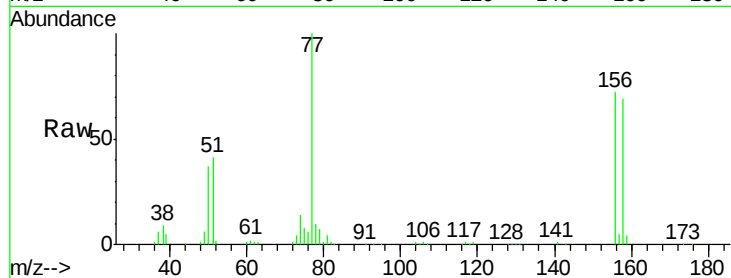
Tot Ion:156 Resp: 210291

Ion Ratio Lower Upper

156 100

77 139.3 75.0 224.8

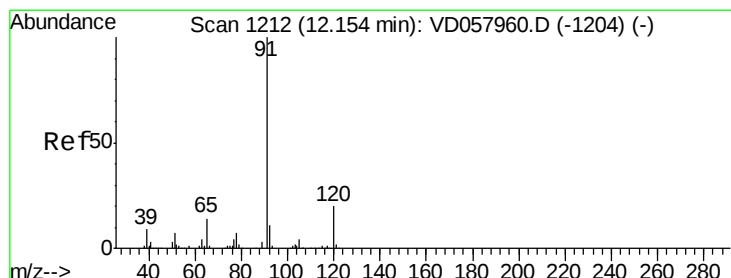
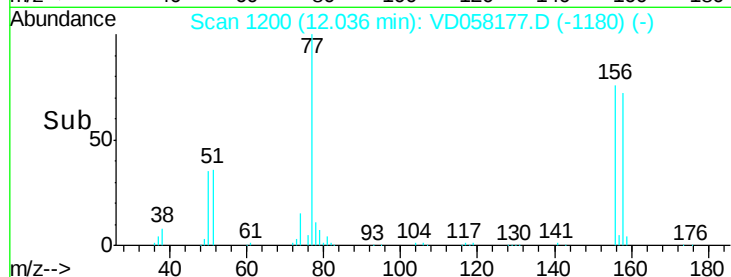
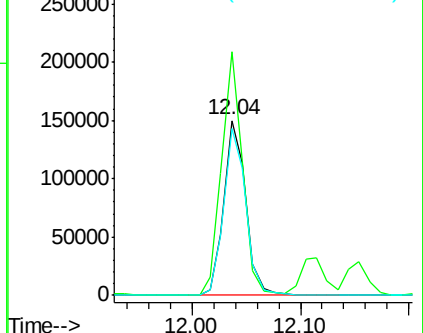
158 95.6 48.6 145.9



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: 21.57 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058177.D

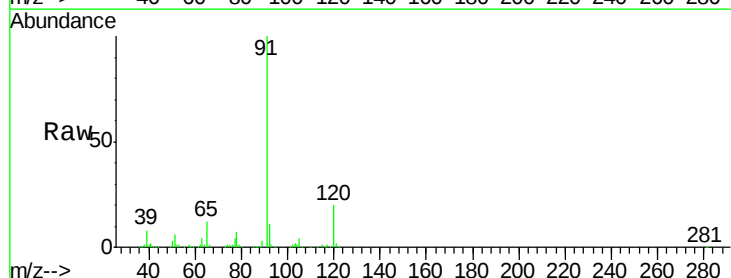
Acq: 18 Jun 2018 13:20

Tgt Ion: 91 Resp: 900836

Ion Ratio Lower Upper

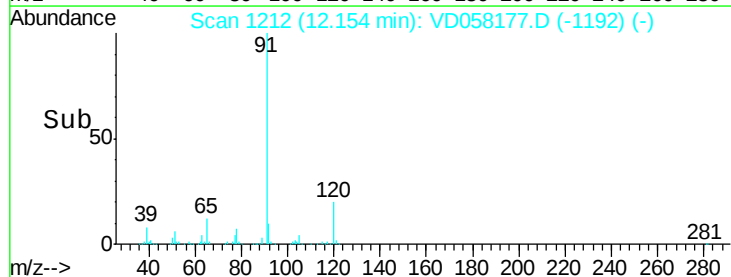
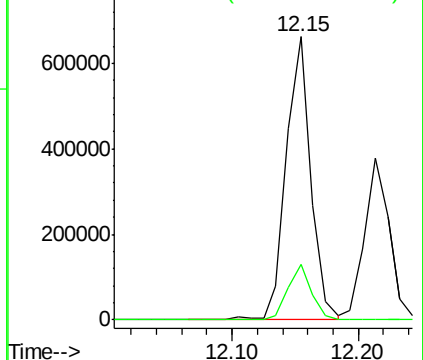
91 100

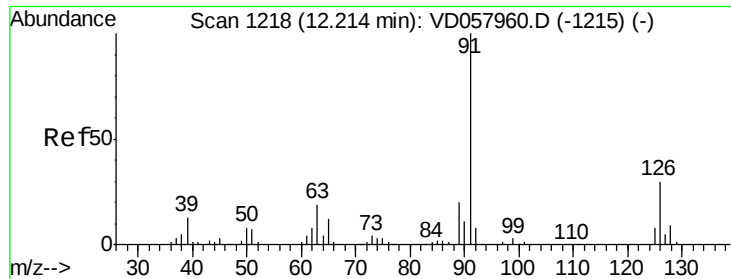
120 19.6 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

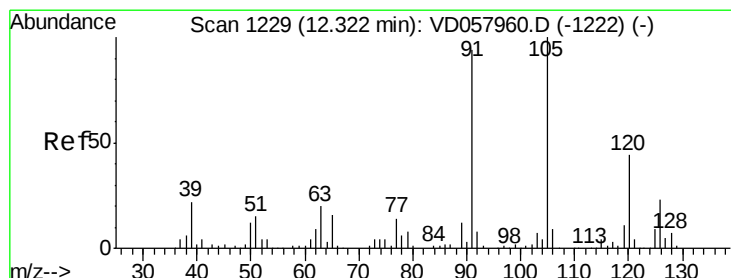
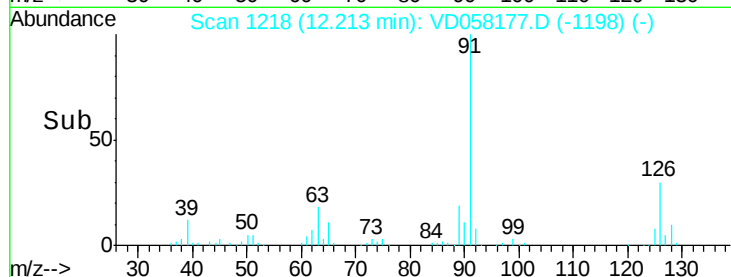
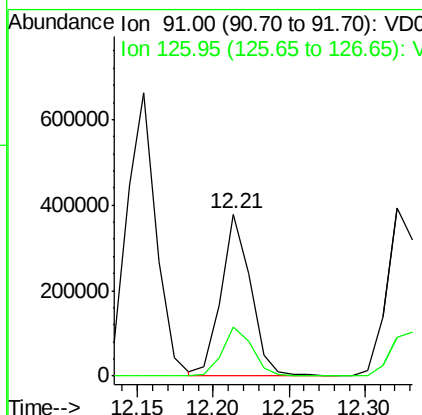
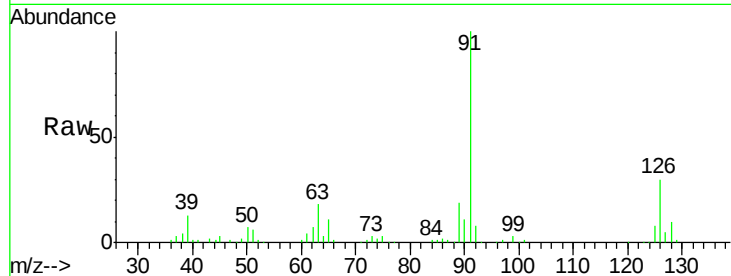




#79
 2-Chlorotoluene
 Concen: 21.38 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

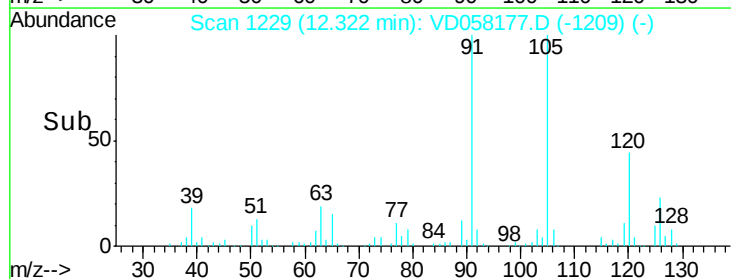
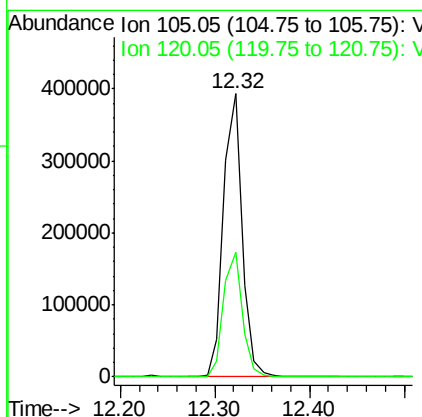
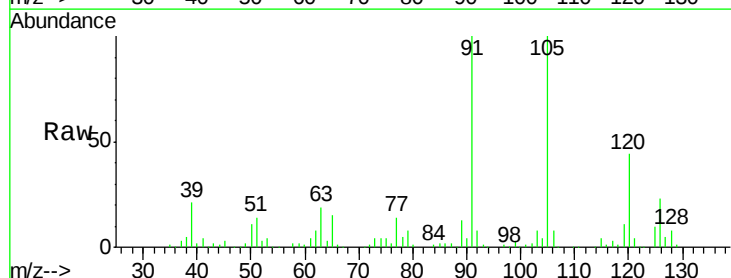
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

Tot Ion: 91 Resp: 509499
 Ion Ratio Lower Upper
 91 100
 126 30.4 14.6 44.0



#80
 1,3,5-Trimethylbenzene
 Concen: 21.46 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

Tgt Ion: 105 Resp: 537207
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.0 66.0





#81

trans-1,4-Dichloro-2-butene

Concen: 23.17 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

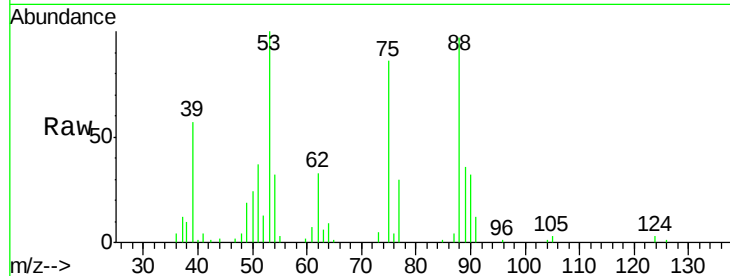
Tot Ion: 75 Resp: 41776

Ion Ratio Lower Upper

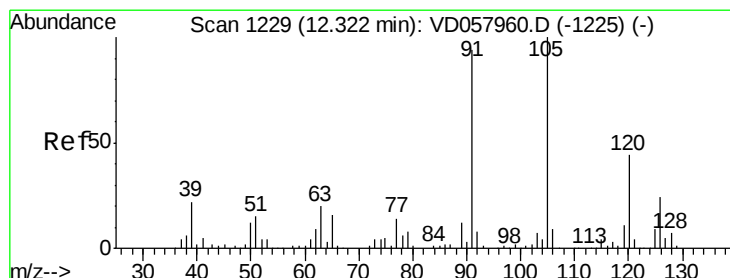
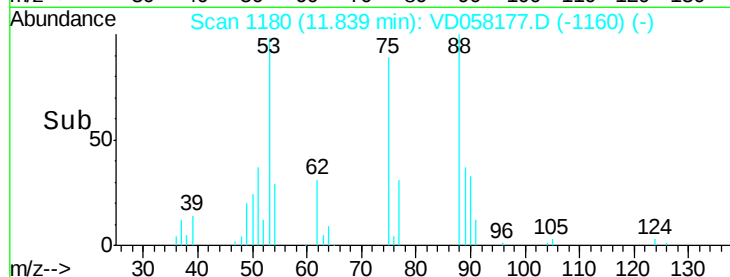
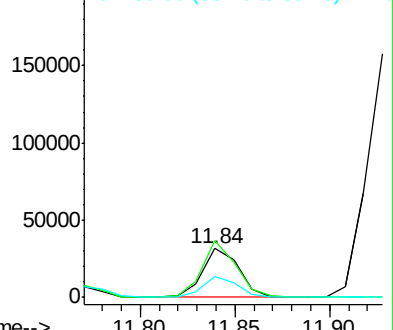
75 100

53 116.1 89.3 133.9

89 42.0 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: 22.70 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058177.D

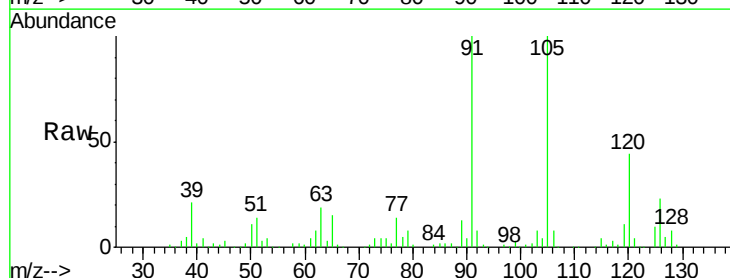
Acq: 18 Jun 2018 13:20

Tgt Ion: 91 Resp: 566204

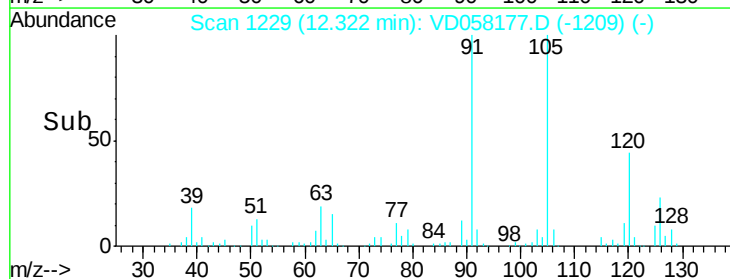
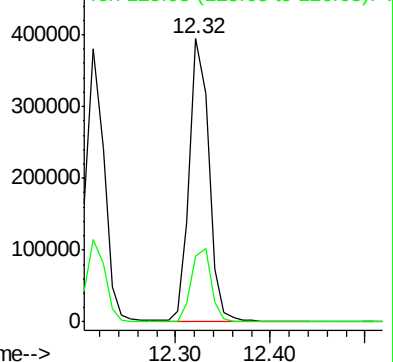
Ion Ratio Lower Upper

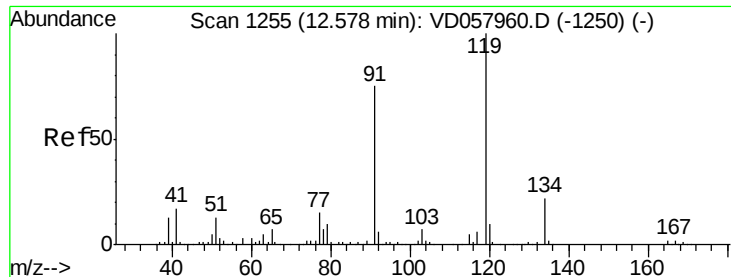
91 100

126 23.2 12.5 37.5



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

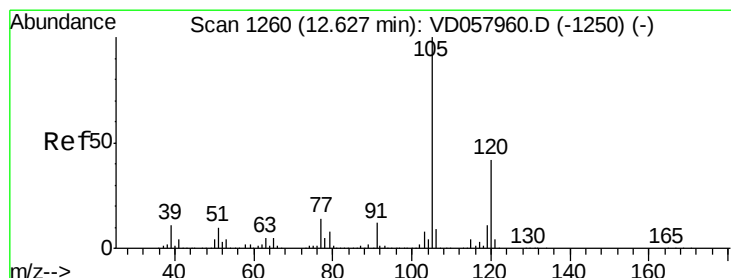
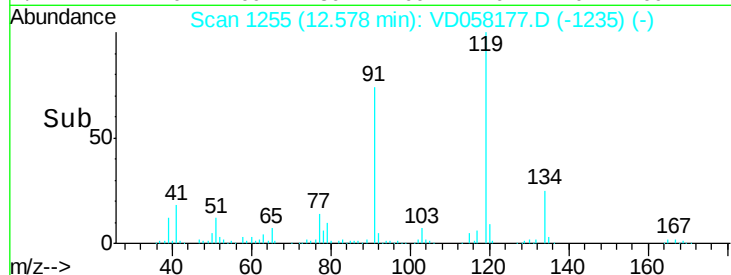
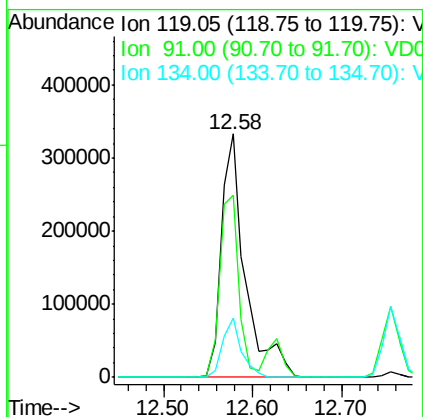
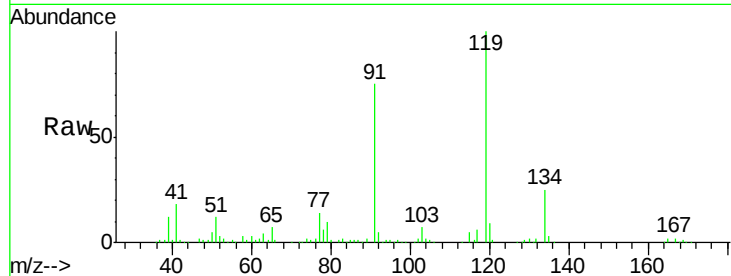




#83
 tert-Butylbenzene
 Concen: 22.07 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

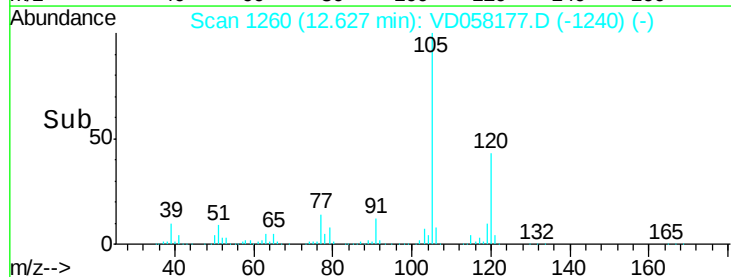
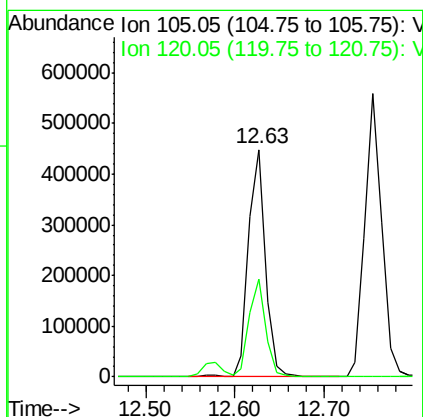
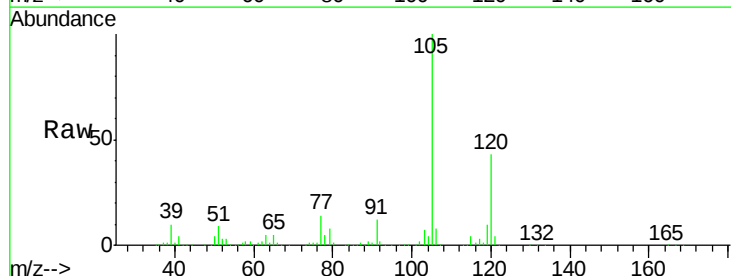
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

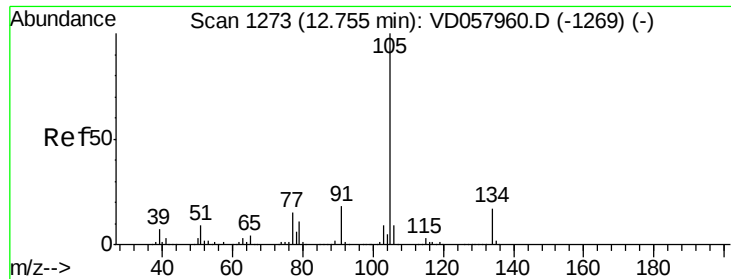
Tot Ion:119 Resp: 623756
 Ion Ratio Lower Upper
 119 100
 91 74.9 37.6 112.9
 134 24.5 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.89 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

Tgt Ion:105 Resp: 589086
 Ion Ratio Lower Upper
 105 100
 120 42.8 21.2 63.6

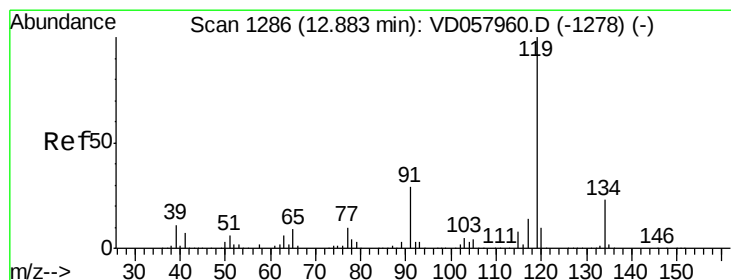
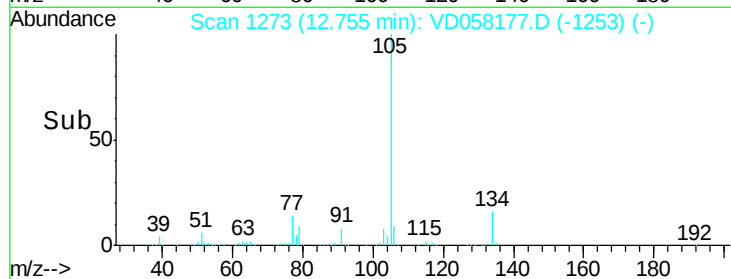
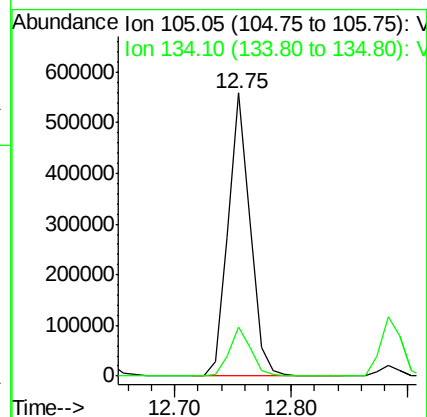
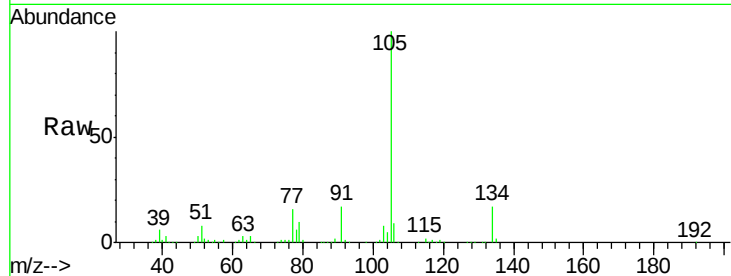




#85
 sec-Butylbenzene
 Concen: 21.38 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

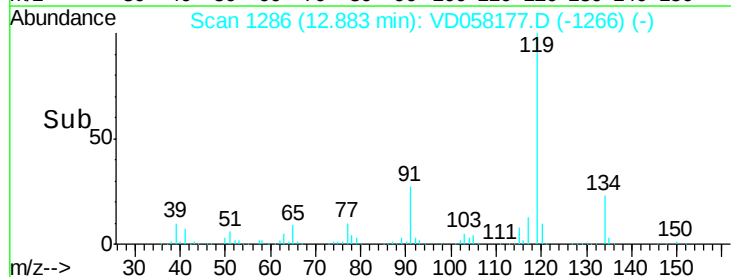
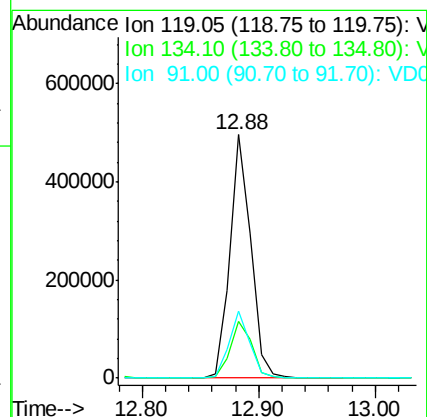
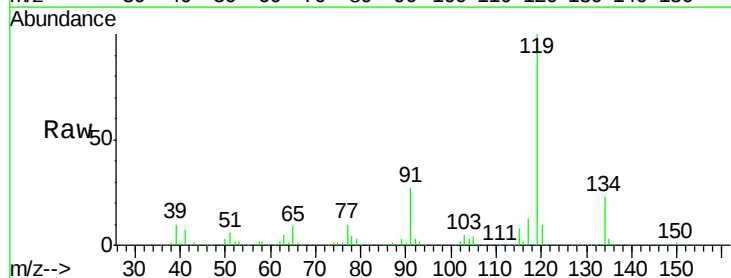
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

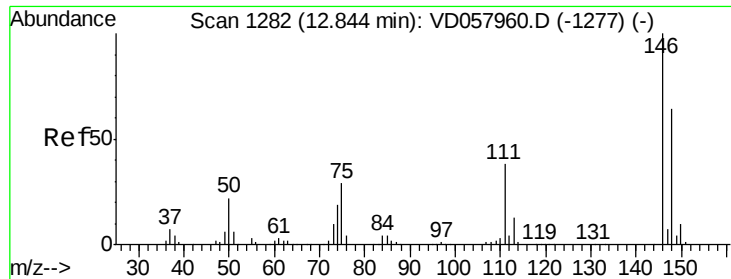
Tot Ion:105 Resp: 729125
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 22.36 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

Tgt Ion:119 Resp: 614720
 Ion Ratio Lower Upper
 119 100
 134 23.5 11.5 34.4
 91 27.3 14.5 43.6

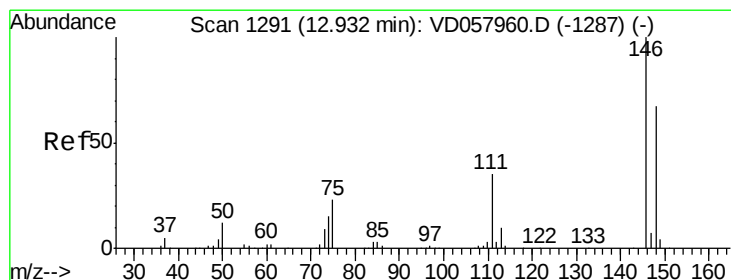
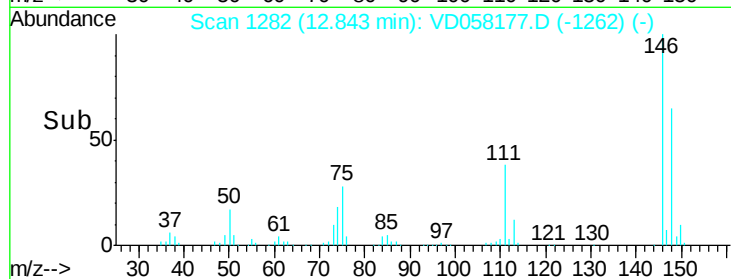
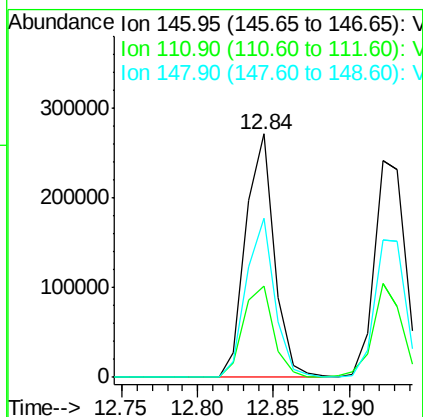
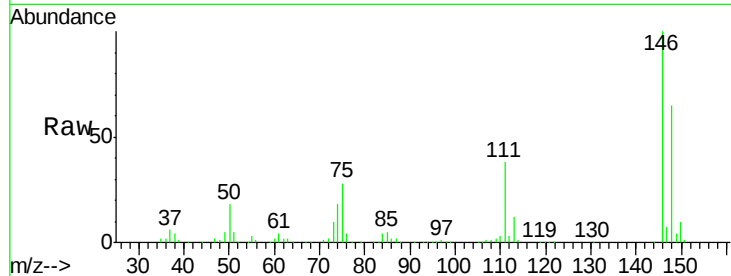




#87
 1,3-Dichlorobenzene
 Concen: 22.33 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

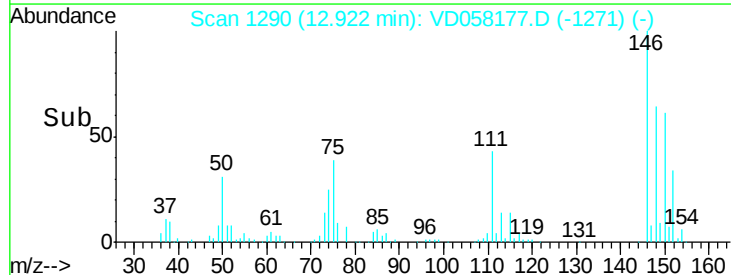
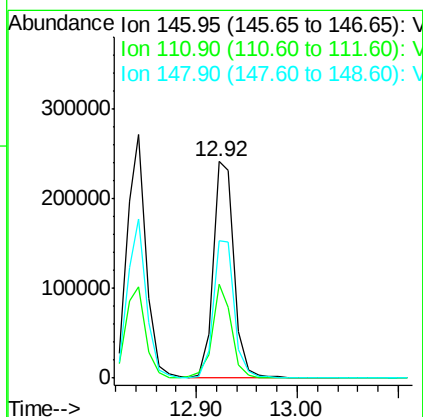
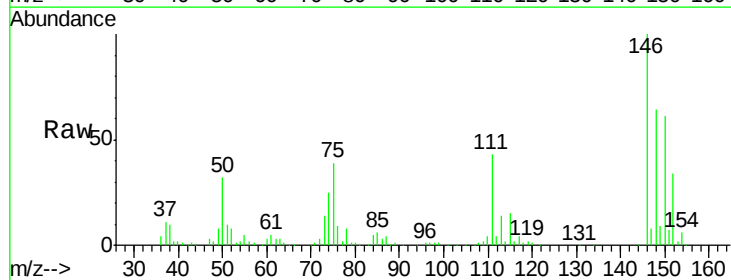
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

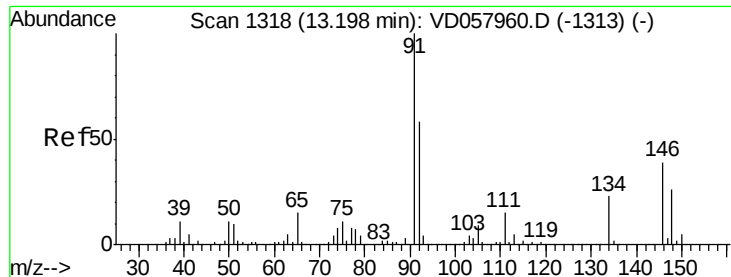
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.3
148	65.4	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 22.51 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	17.3	52.0
148	63.8	33.4	100.2

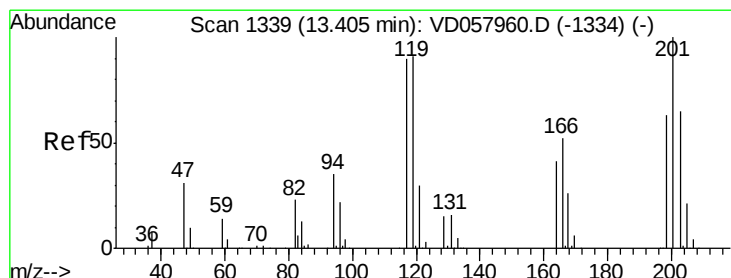
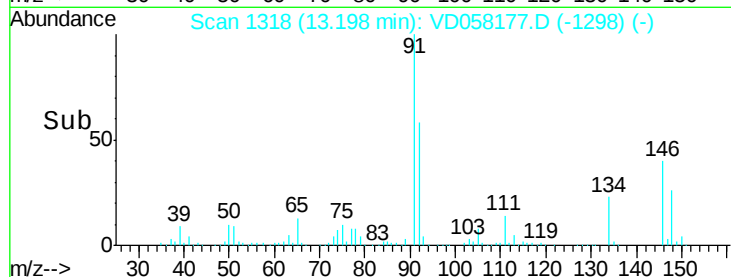
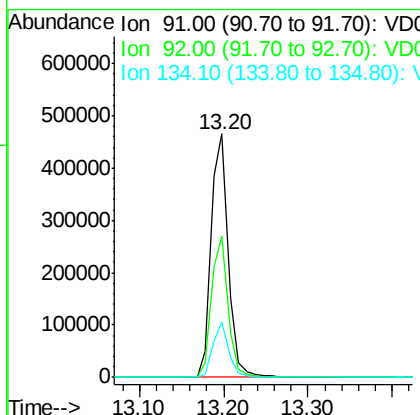
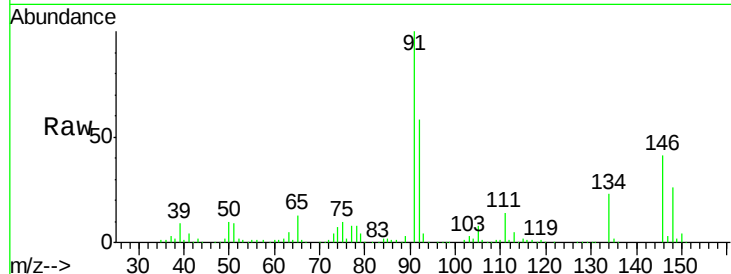




#89
n-Butylbenzene
Concen: 24.11 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

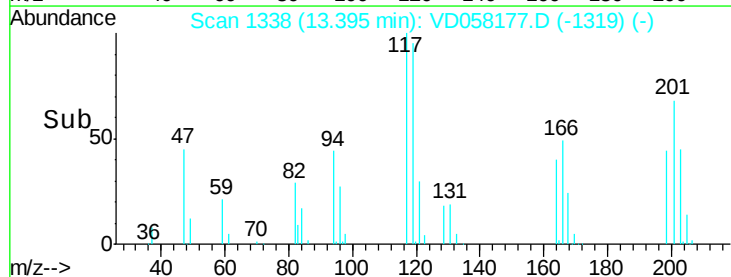
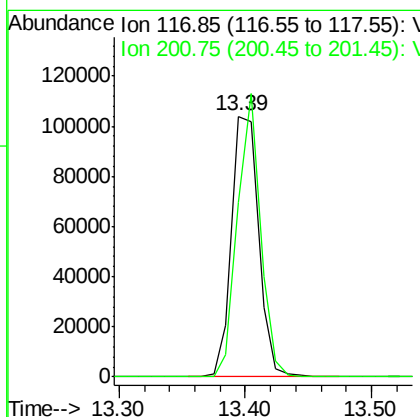
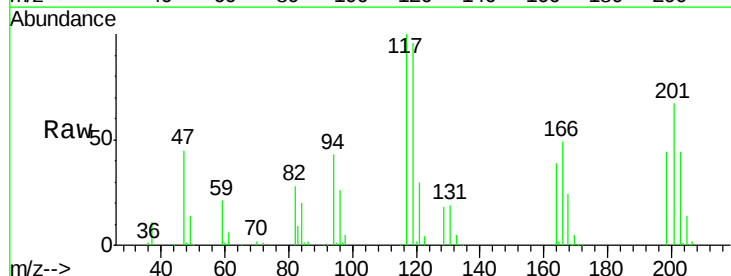
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

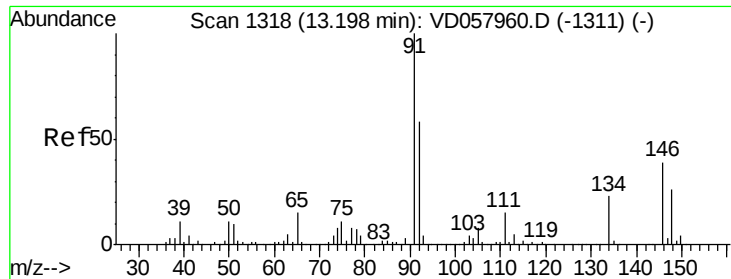
Tot Ion: 91 Resp: 653551
Ion Ratio Lower Upper
91 100
92 57.9 29.2 87.6
134 22.9 11.3 33.9



#90
Hexachloroethane
Concen: 22.03 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Tgt Ion: 117 Resp: 154553
Ion Ratio Lower Upper
117 100
201 67.2 55.4 166.0

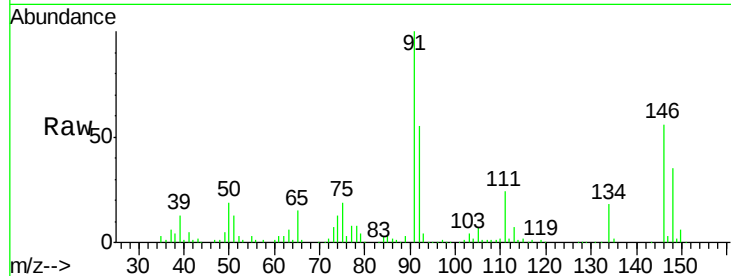




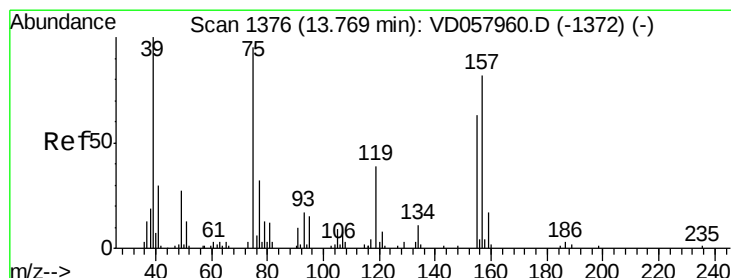
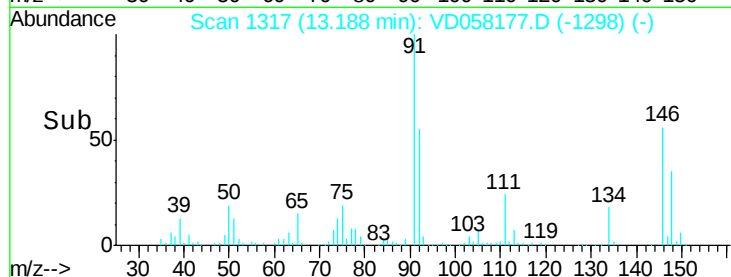
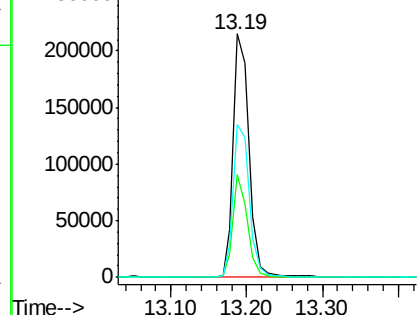
#91
 1,2-Dichlorobenzene
 Concen: 23.92 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

Tot Ion:146 Resp: 310630
 Ion Ratio Lower Upper
 146 100
 111 42.2 19.4 58.2
 148 62.8 32.6 98.0

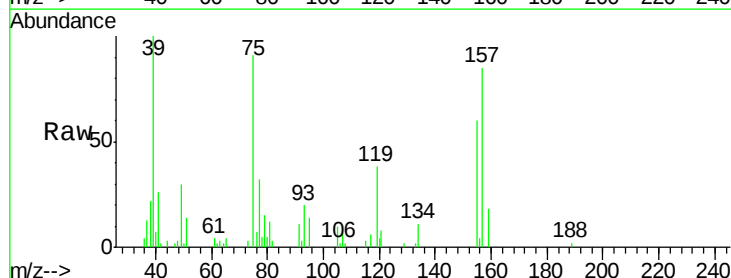


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

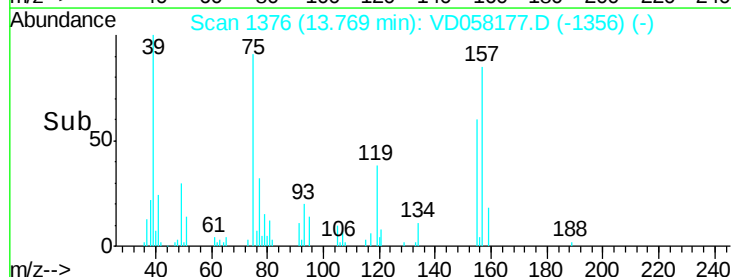
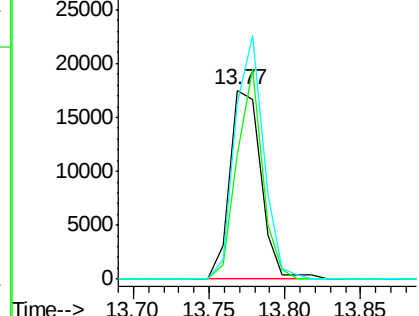


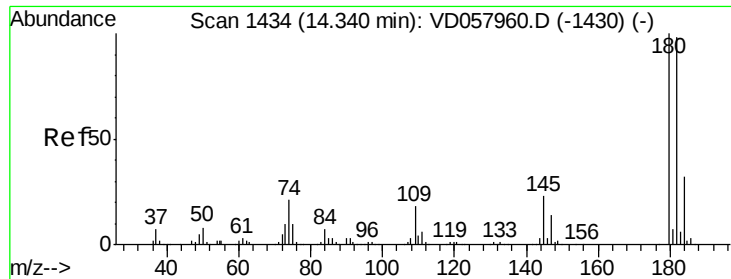
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.25 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD058177.D
 Acq: 18 Jun 2018 13:20

Tgt Ion: 75 Resp: 25105
 Ion Ratio Lower Upper
 75 100
 155 65.7 33.4 100.1
 157 93.2 42.9 128.5



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





#93

1,2,4-Trichlorobenzene

Concen: 22.45 ug/l

RT: 14.34 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

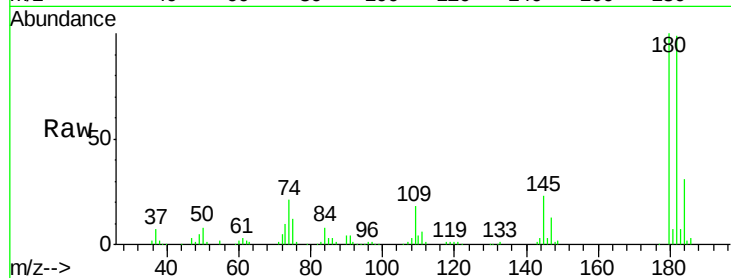
Tot Ion:180 Resp: 272449

Ion Ratio Lower Upper

180 100

182 98.5 49.0 147.2

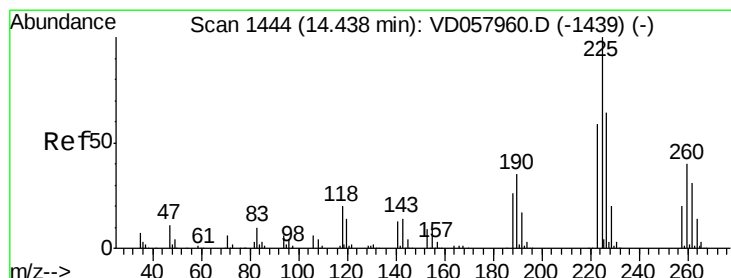
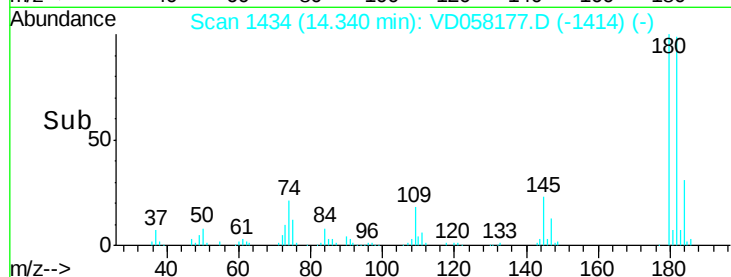
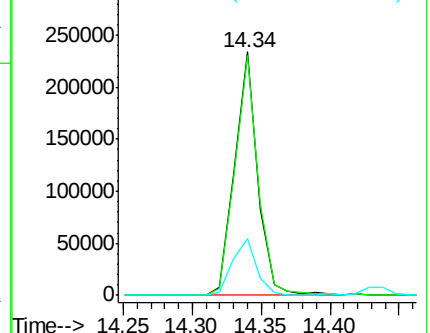
145 23.2 11.8 35.3



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: 23.06 ug/l

RT: 14.44 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VD058177.D

Acq: 18 Jun 2018 13:20

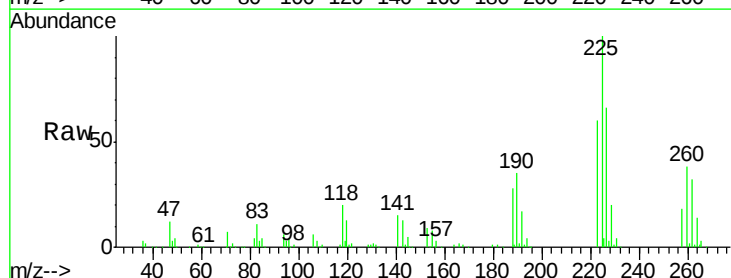
Tgt Ion:225 Resp: 220099

Ion Ratio Lower Upper

225 100

223 59.6 29.5 88.6

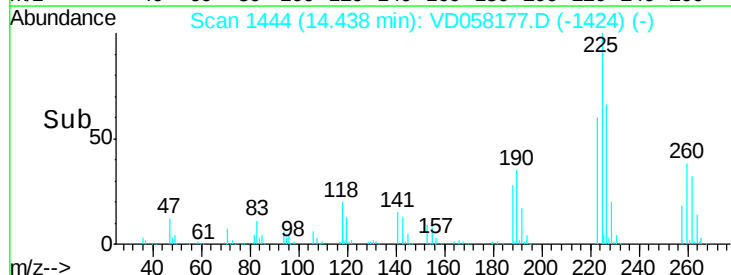
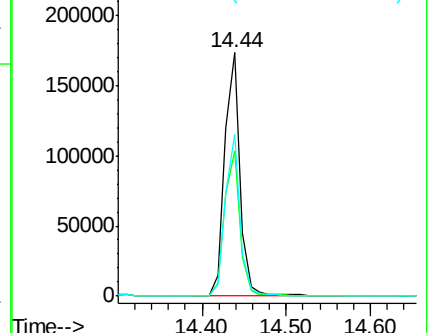
227 66.3 32.0 96.0

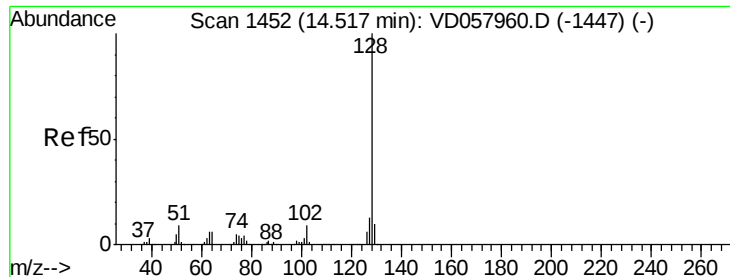


Abundance Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V

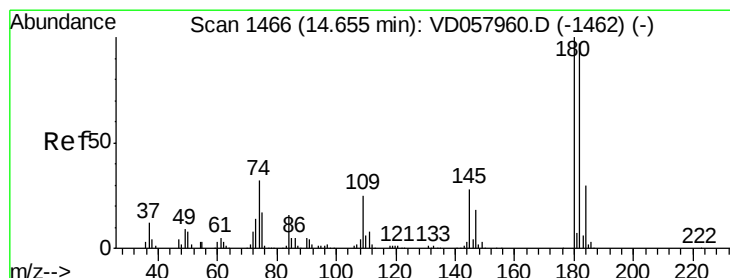
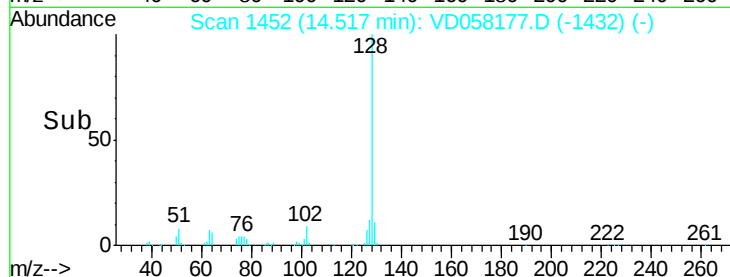
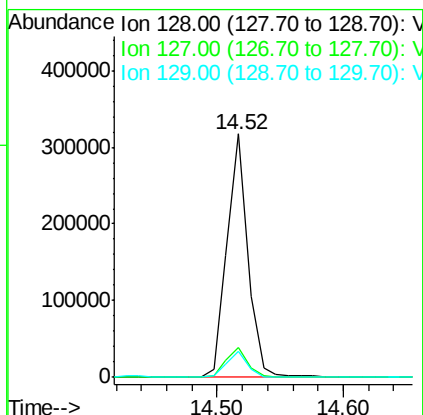
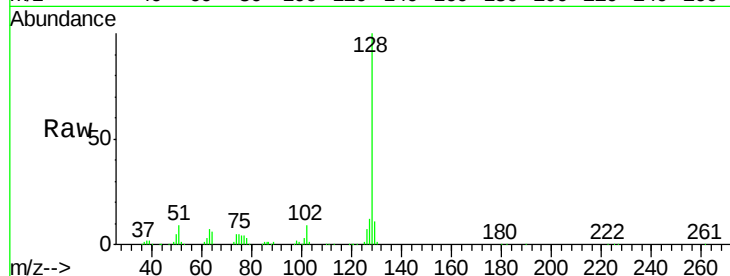




#95
Naphthalene
Concen: 23.33 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

Tot Ion:128 Resp: 364992
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 10.5 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 23.08 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.01 min
Lab File: VD058177.D
Acq: 18 Jun 2018 13:20

Tgt Ion:180 Resp: 238636
Ion Ratio Lower Upper
180 100
182 97.7 48.5 145.5
145 22.0 14.2 42.8

