

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058038.D
 Acq On : 9 Jun 2018 2:38
 Operator : VA/AP
 Sample : VD0608SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS02

Quant Time: Jun 09 03:51:52 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	5.63	168	789595	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	1092770	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	869715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	469028	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.00	65	412569	52.26	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	5.54	113	424559	50.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	8.70	98	960754	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
62) 4-Bromofluorobenzene	11.92	95	422828	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	250619	23.65	ug/l	98
3) Chloromethane	1.48	50	124272	23.81	ug/l	98
4) Vinyl Chloride	1.55	62	113981	22.56	ug/l	97
5) Bromomethane	1.79	94	37811	19.10	ug/l	95
6) Chloroethane	1.87	64	42197	21.17	ug/l	96
7) Trichlorofluoromethane	2.08	101	151013	21.87	ug/l	97
8) Diethyl Ether	2.33	74	29594	23.07	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	2.55	101	97302	23.62	ug/l	95
10) Methyl Iodide	2.69	142	111738	21.02	ug/l	95
11) Tert butyl alcohol	3.25	59	24162	114.26	ug/l	96
12) 1,1-Dichloroethene	2.54	96	75164	23.74	ug/l	94
13) Acrolein	2.46	56	32445	107.13	ug/l	86
14) Allyl chloride	2.91	41	154576	21.16	ug/l	91
15) Acrylonitrile	3.36	53	130894	105.80	ug/l	98
16) Acetone	2.61	43	111434	97.98	ug/l	# 89
17) Carbon Disulfide	2.75	76	245705	21.42	ug/l	97
18) Methyl Acetate	2.93	43	50908	23.14	ug/l	99
19) Methyl tert-butyl Ether	3.39	73	325473	23.36	ug/l	99
20) Methylene Chloride	3.06	84	89654	28.29	ug/l	96
21) trans-1,2-Dichloroethene	3.38	96	164930	23.38	ug/l	99
22) Diisopropyl ether	4.06	45	670928	23.18	ug/l	91
23) Vinyl Acetate	4.01	43	1715426	114.72	ug/l	99
24) 1,1-Dichloroethane	3.96	63	378481	23.80	ug/l	99
25) 2-Butanone	4.82	43	284881	110.22	ug/l	# 90
26) 2,2-Dichloropropane	4.78	77	267568	20.42	ug/l	98
27) cis-1,2-Dichloroethene	4.79	96	198230	23.70	ug/l	92
28) Bromochloromethane	5.14	49	163167	23.70	ug/l	92
29) Tetrahydrofuran	5.18	42	153909	113.59	ug/l	98
30) Chloroform	5.30	83	377460	23.58	ug/l	97
31) Cyclohexane	5.58	56	300723	21.91	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	299127	22.32	ug/l	97
36) 1,1-Dichloropropene	5.74	75	261205	21.70	ug/l	95
37) Ethyl Acetate	4.91	43	145580	22.16	ug/l	# 94
38) Carbon Tetrachloride	5.71	117	248958	20.98	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	259653	21.76	ug/l	93
40) Benzene	6.00	78	640841	22.79	ug/l	99
41) Methacrylonitrile	5.12	41	68229	22.71	ug/l	97
42) 1,2-Dichloroethane	6.12	62	257206	22.62	ug/l	99
43) Isopropyl Acetate	7.61	43	195337	22.70	ug/l #	94
44) Trichloroethene	6.97	130	180010	21.91	ug/l	97
45) 1,2-Dichloropropane	7.33	63	178925	22.89	ug/l	98
46) Dibromomethane	7.45	93	115209	22.94	ug/l	97
47) Bromodichloromethane	7.74	83	262325	22.31	ug/l	98
48) Methyl methacrylate	7.49	41	111717	21.09	ug/l	97
49) 1,4-Dioxane	7.47	88	18041	411.20	ug/l	95
51) 4-Methyl-2-Pentanone	8.58	43	629174	114.00	ug/l	96
52) Toluene	8.79	92	346981	21.50	ug/l	98
53) t-1,3-Dichloropropene	9.17	75	216372	21.36	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	266996	22.37	ug/l	99
55) 1,1,2-Trichloroethane	9.45	97	121091	23.18	ug/l	96
56) Ethyl methacrylate	9.30	69	148414	23.16	ug/l	92
57) 1,3-Dichloropropane	9.66	76	218745	23.87	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.18	63	391133	120.81	ug/l	95
59) 2-Hexanone	9.77	43	437934	108.27	ug/l	99
60) Dibromochloromethane	9.95	129	161488	21.92	ug/l	100
61) 1,2-Dibromoethane	10.09	107	132365	22.03	ug/l	99
64) Tetrachloroethene	9.51	164	183790	23.64	ug/l	94
65) Chlorobenzene	10.72	112	390988	22.21	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	143177	21.17	ug/l	93
67) Ethyl Benzene	10.85	91	721736	22.69	ug/l	100
68) m/p-Xylenes	11.00	106	480700	46.36	ug/l	94
69) o-Xylene	11.40	106	231929	22.53	ug/l	94
70) Styrene	11.43	104	391333	22.97	ug/l	98
71) Bromoform	11.60	173	110415	21.70	ug/l	98
73) Isopropylbenzene	11.76	105	662833	21.34	ug/l	100
74) N-amyl acetate	11.63	43	241336	20.13	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	147029	21.71	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	158291	22.47	ug/l	100
77) Bromobenzene	12.04	156	199761	21.72	ug/l	85
78) n-propylbenzene	12.15	91	882030	21.82	ug/l	97
79) 2-Chlorotoluene	12.21	91	492630	21.36	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	554510	22.89	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.83	75	35377	20.27	ug/l	93
82) 4-Chlorotoluene	12.32	91	588793	24.64	ug/l	93
83) tert-Butylbenzene	12.57	119	575268	21.03	ug/l	97
84) 1,2,4-Trimethylbenzene	12.62	105	549739	21.10	ug/l	97
85) sec-Butylbenzene	12.75	105	675184	20.45	ug/l	98
86) p-Isopropyltoluene	12.87	119	525796	19.76	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	324446	20.86	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	335446	22.13	ug/l	98
89) n-Butylbenzene	13.19	91	590706	22.20	ug/l	99
90) Hexachloroethane	13.40	117	145293	21.39	ug/l	76
91) 1,2-Dichlorobenzene	13.19	146	289791	23.05	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	22771	21.78	ug/l	66

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

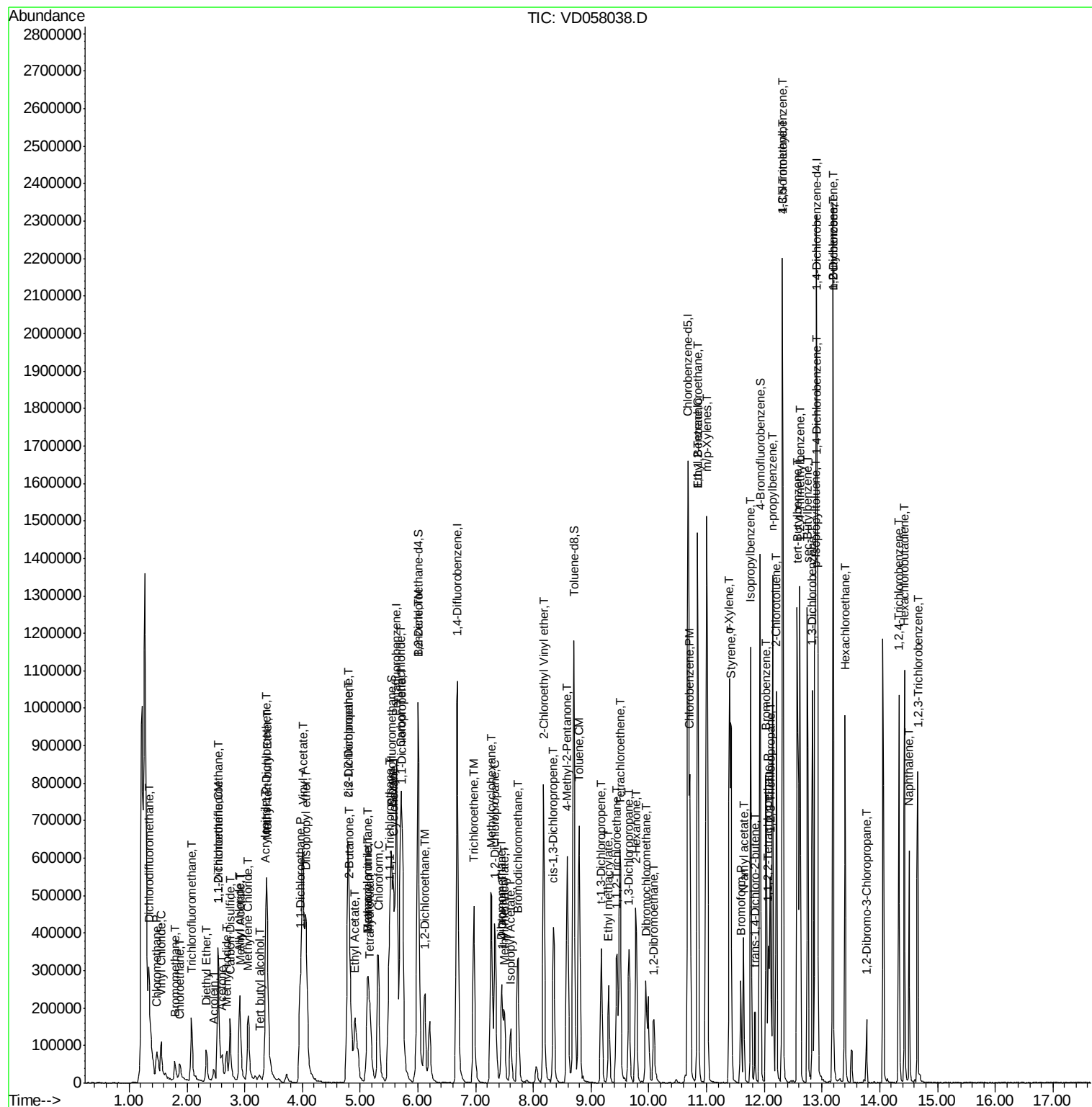
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	241646	20.58	ug/l	95
94) Hexachlorobutadiene	14.43	225	181268	19.62	ug/l	96
95) Naphthalene	14.51	128	315075	20.81	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	203686	20.35	ug/l	96

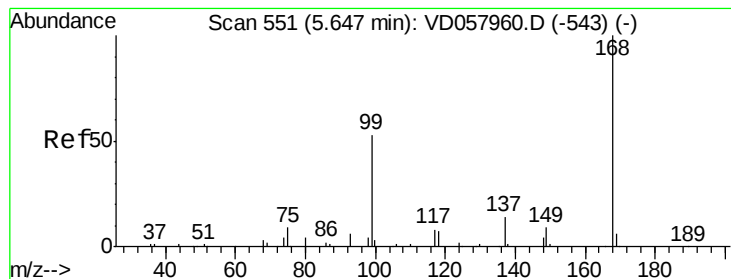
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

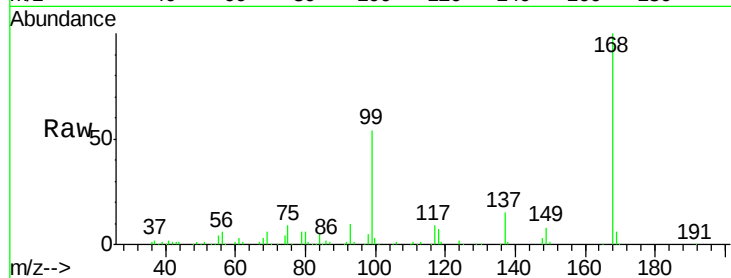
VD0608SBS02

Tot Ion:168 Resp: 789595

Ion Ratio Lower Upper

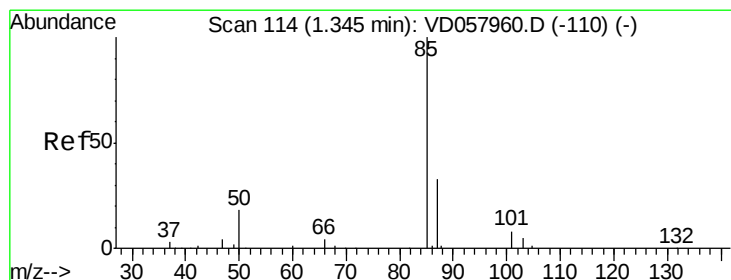
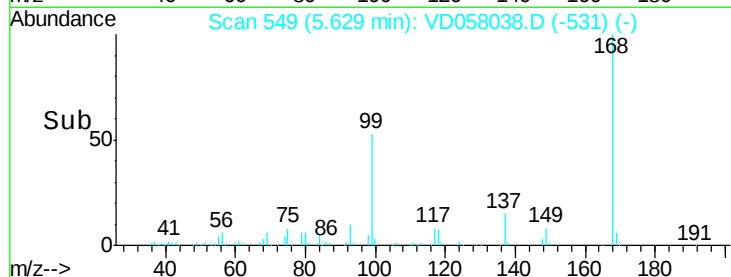
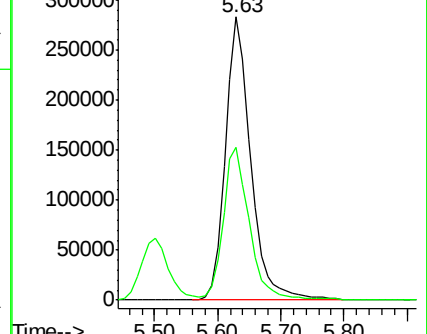
168 100

99 53.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 23.65 ug/l

RT: 1.34 min Scan# 113

Delta R.T. -0.01 min

Lab File: VD058038.D

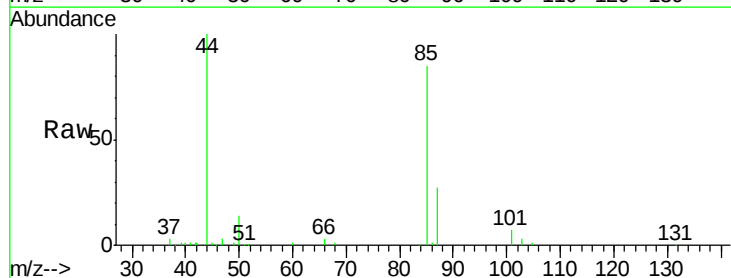
Acq: 9 Jun 2018 2:38

Tgt Ion: 85 Resp: 250619

Ion Ratio Lower Upper

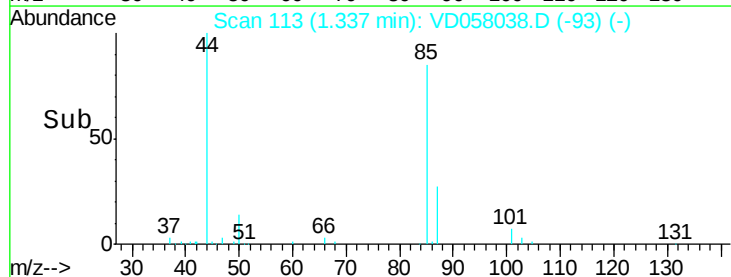
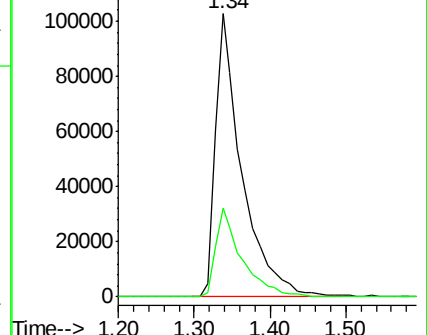
85 100

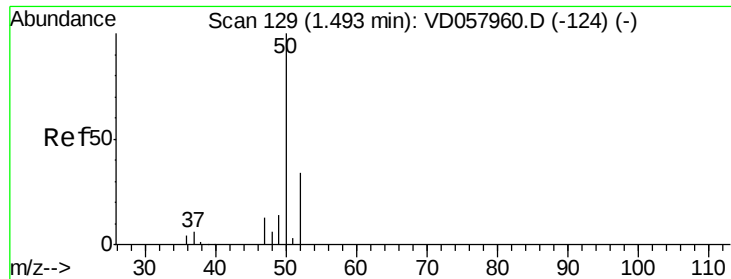
87 31.4 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.81 ug/l

RT: 1.48 min Scan# 127

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

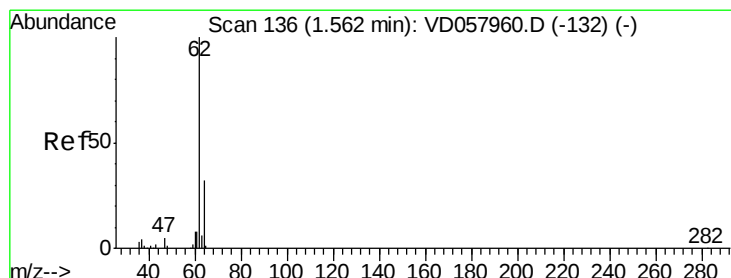
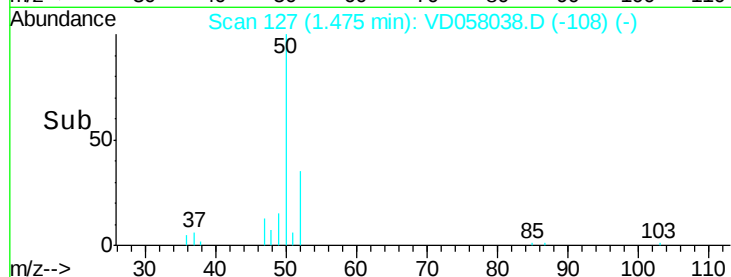
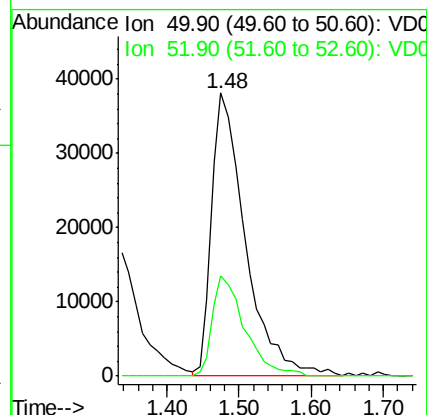
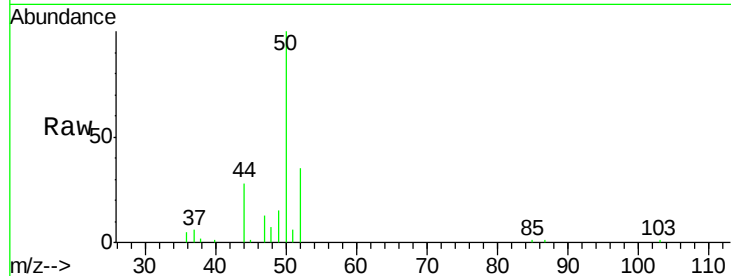
VD0608SBS02

Tot Ion: 50 Resp: 124272

Ion Ratio Lower Upper

50 100

52 35.4 27.2 40.8



#4

Vinyl Chloride

Concen: 22.56 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.01 min

Lab File: VD058038.D

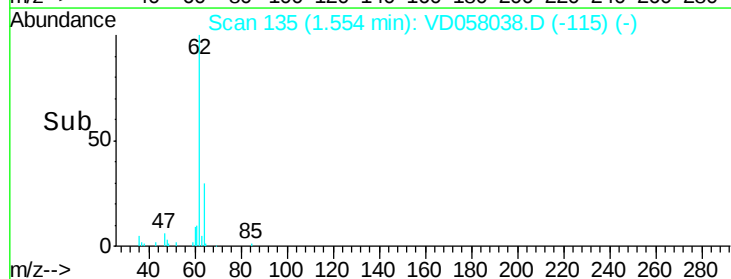
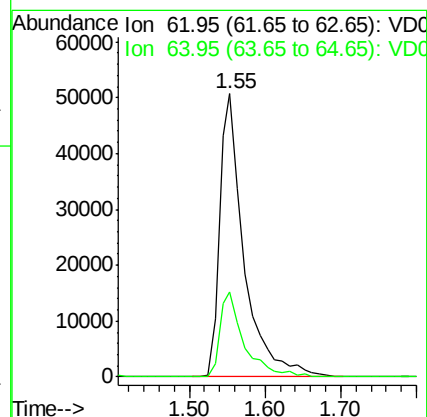
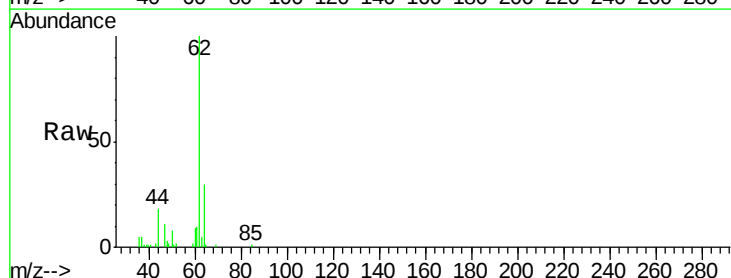
Acq: 9 Jun 2018 2:38

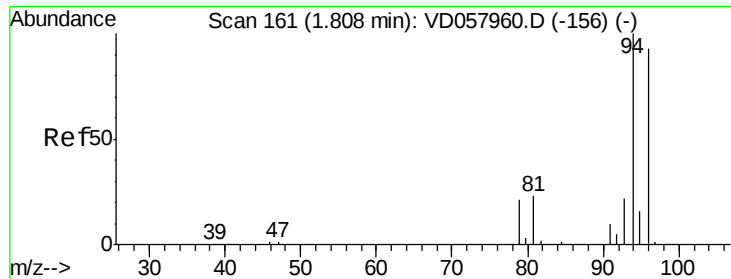
Tgt Ion: 62 Resp: 113981

Ion Ratio Lower Upper

62 100

64 30.2 25.4 38.2





#5

Bromomethane

Concen: 19.10 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

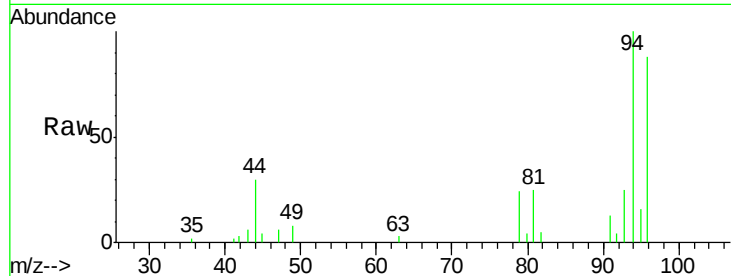
VD0608SBS02

Tot Ion: 94 Resp: 37811

Ion Ratio Lower Upper

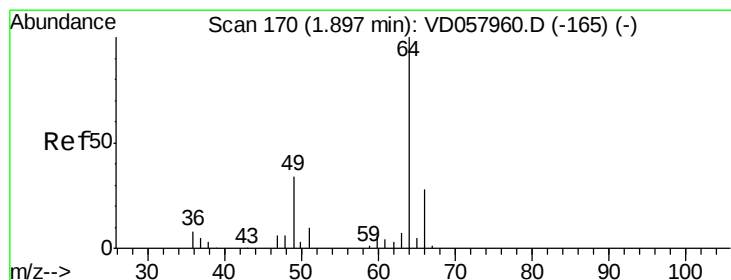
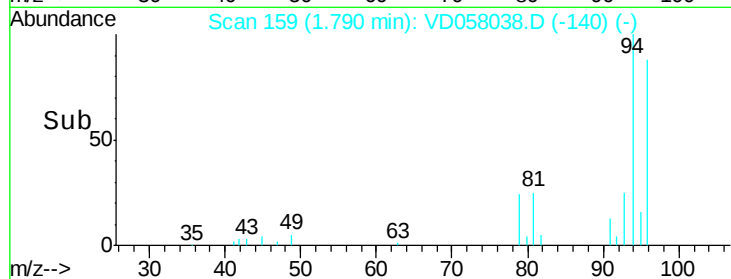
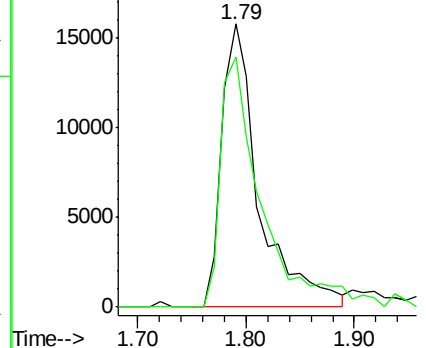
94 100

96 88.3 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: 21.17 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.03 min

Lab File: VD058038.D

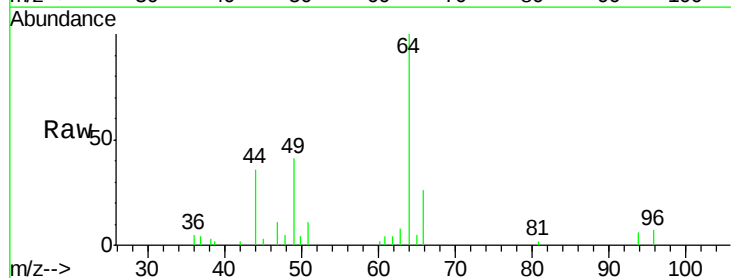
Acq: 9 Jun 2018 2:38

Tgt Ion: 64 Resp: 42197

Ion Ratio Lower Upper

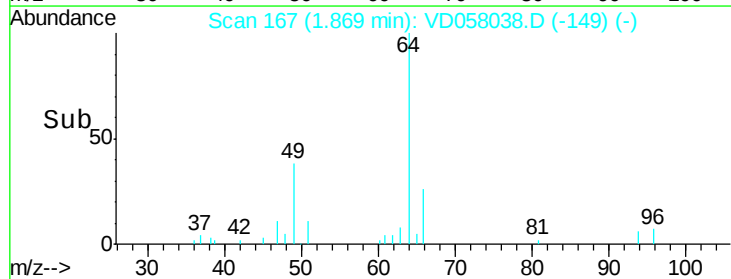
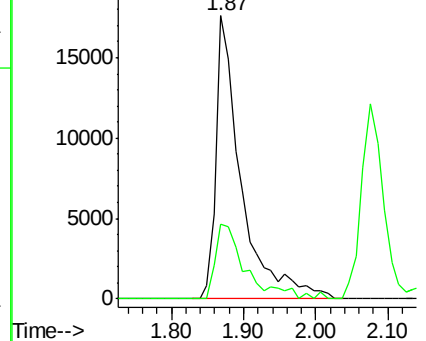
64 100

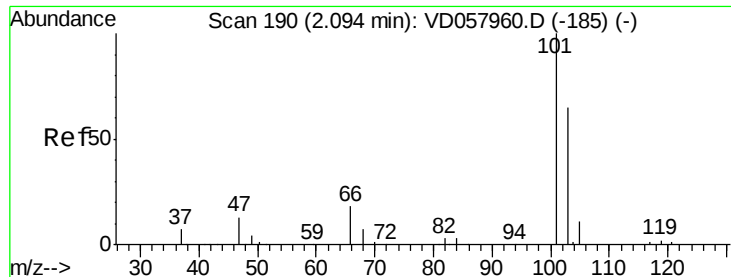
66 26.3 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



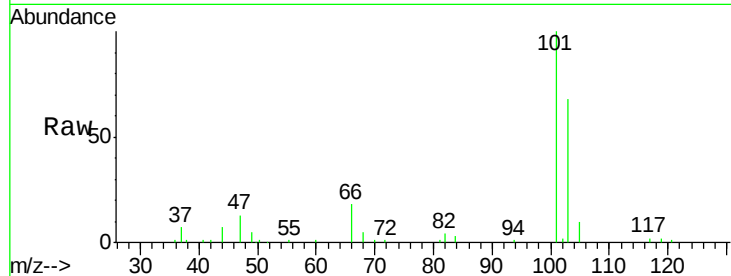


#7

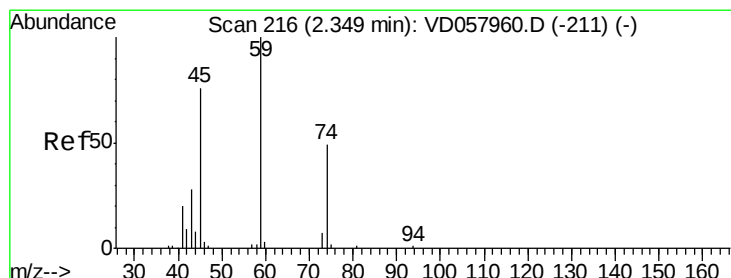
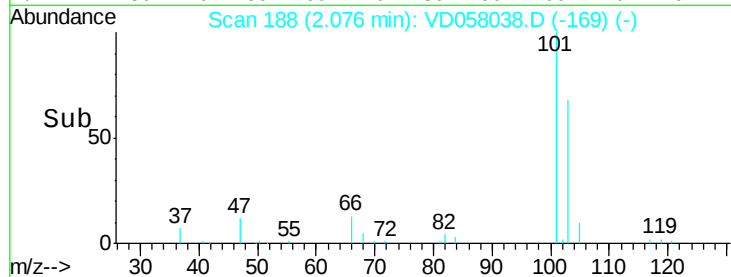
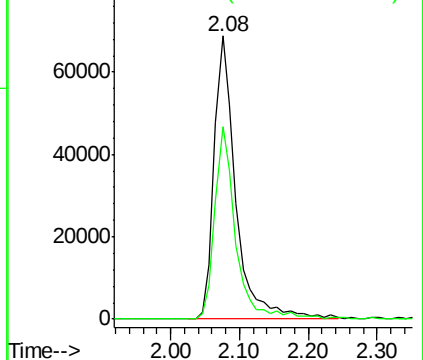
Trichlorofluoromethane
 Concen: 21.87 ug/l
 RT: 2.08 min Scan# 188
 Delta R.T. -0.02 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

Instrument :
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 ClientSampleId :
 VD0608SBS02

Tot Ion:101 Resp: 151013
 Ion Ratio Lower Upper
 101 100
 103 67.9 52.4 78.6



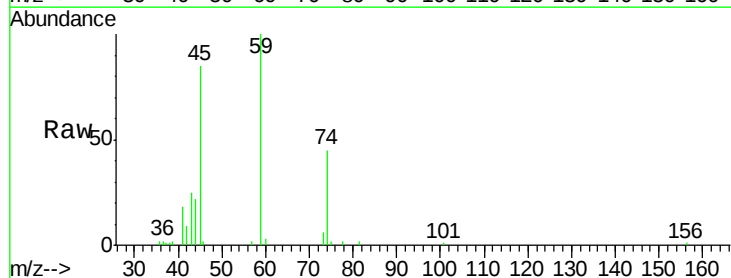
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



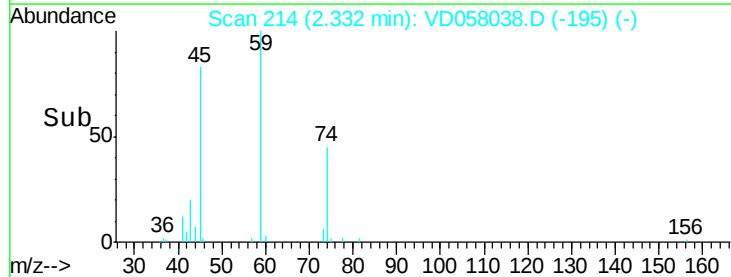
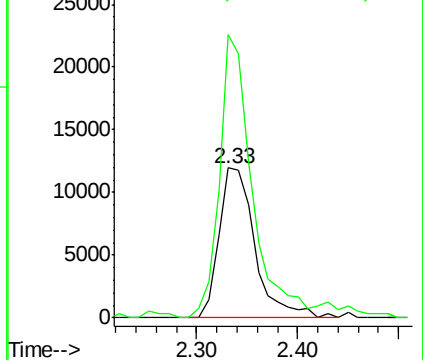
#8

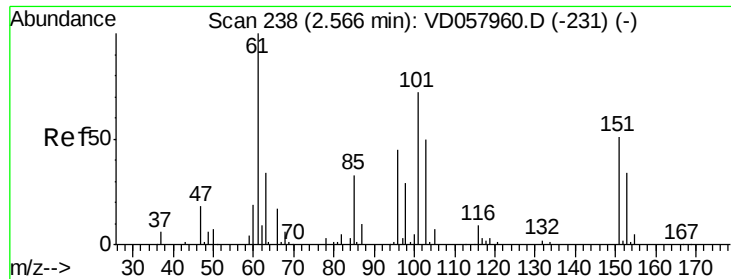
Diethyl Ether
 Concen: 23.07 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.02 min
 Lab File: VD058038.D
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Tgt Ion: 74 Resp: 29594
 Ion Ratio Lower Upper
 74 100
 45 188.8 77.1 231.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.62 ug/l

RT: 2.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS02

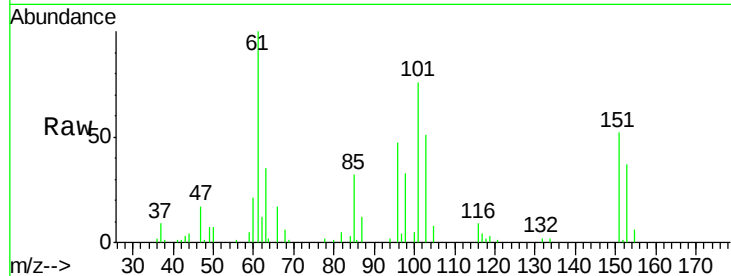
Tot Ion:101 Resp: 97302

Ion Ratio Lower Upper

101 100

85 42.1 37.3 55.9

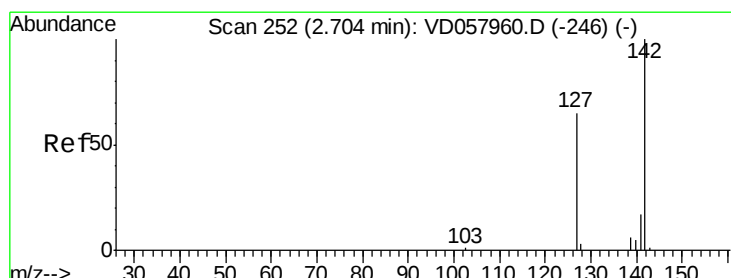
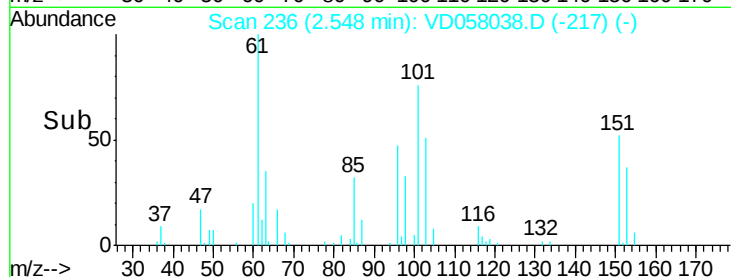
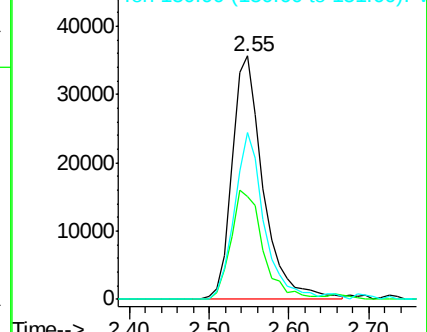
151 68.5 57.0 85.6



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: 21.02 ug/l

RT: 2.69 min Scan# 250

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

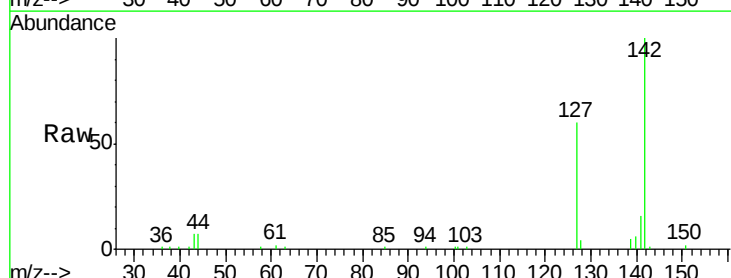
Tgt Ion:142 Resp: 111738

Ion Ratio Lower Upper

142 100

127 60.4 52.0 78.0

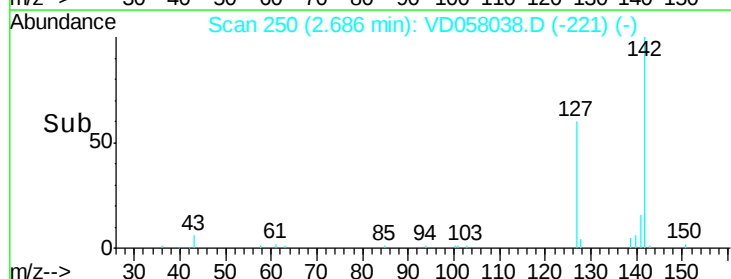
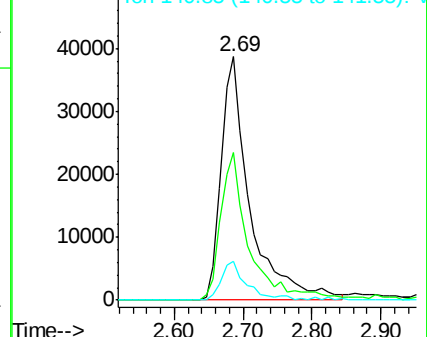
141 16.1 13.2 19.8

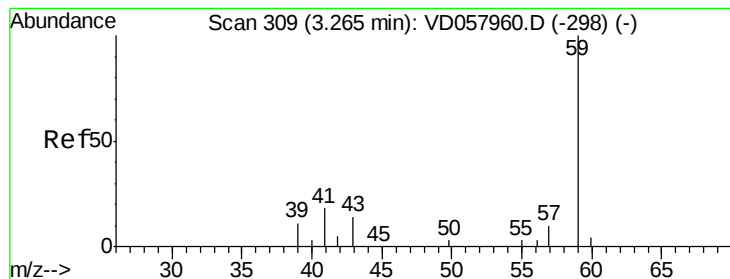


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



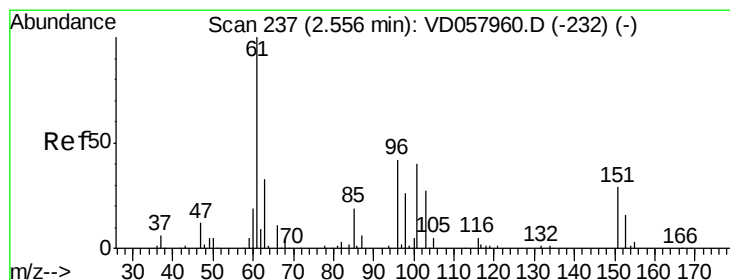
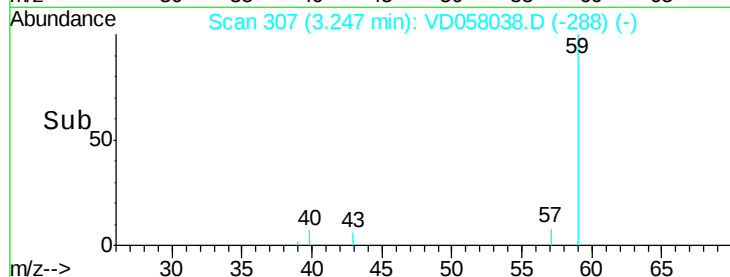
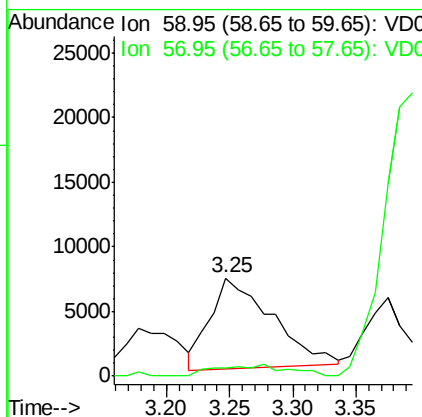
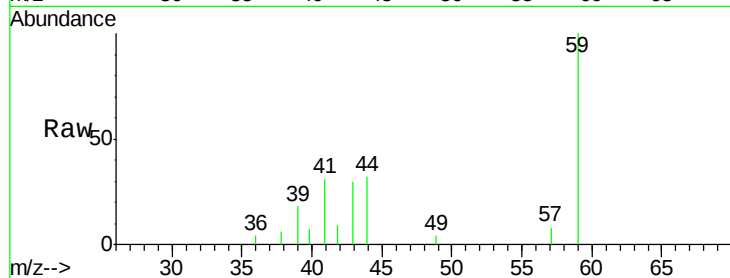


#11

Tert butyl alcohol
 Concen: 114.26 ug/l
 RT: 3.25 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS02

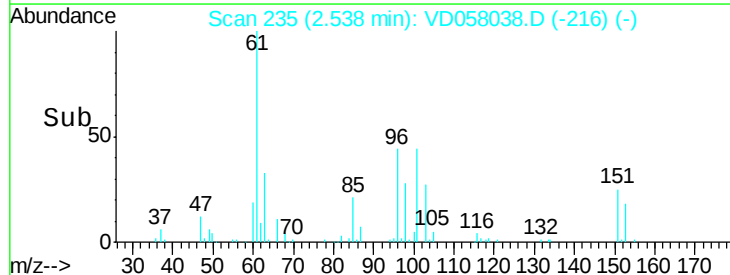
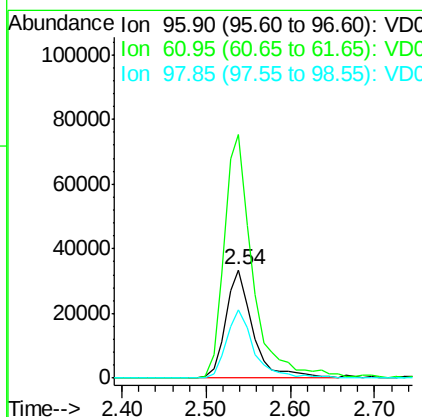
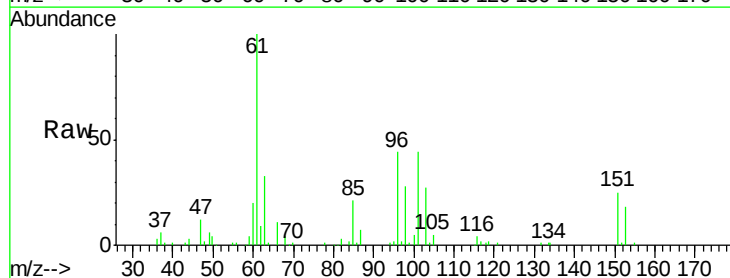
Tot Ion: 59 Resp: 24162
 Ion Ratio Lower Upper
 59 100
 57 8.4 7.8 11.6

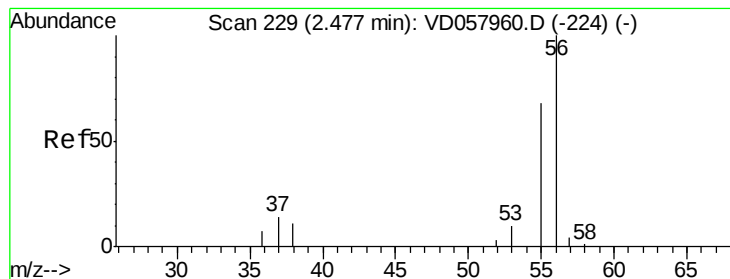


#12

1,1-Dichloroethene
 Concen: 23.74 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. -0.02 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

Tgt Ion: 96 Resp: 75164
 Ion Ratio Lower Upper
 96 100
 61 225.0 190.2 285.4
 98 63.0 49.6 74.4





#13

Acrolein

Concen: 107.13 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

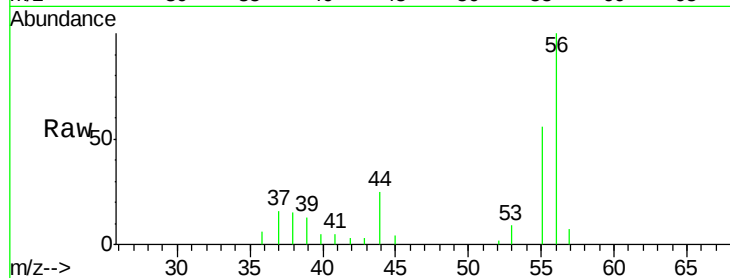
VD0608SBS02

Tot Ion: 56 Resp: 32445

Ion Ratio Lower Upper

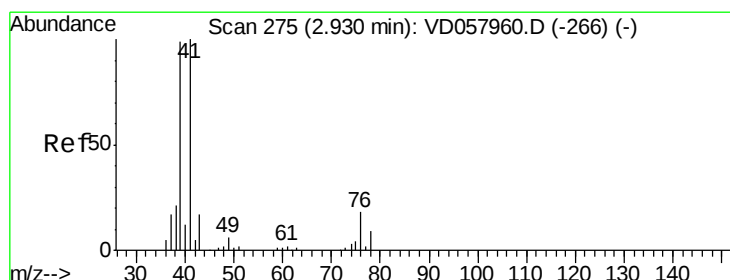
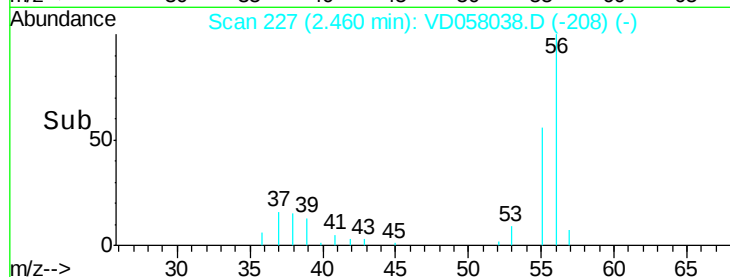
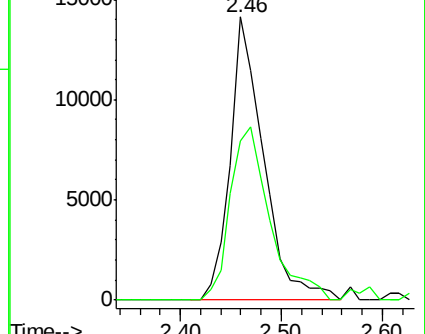
56 100

55 56.5 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: 21.16 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

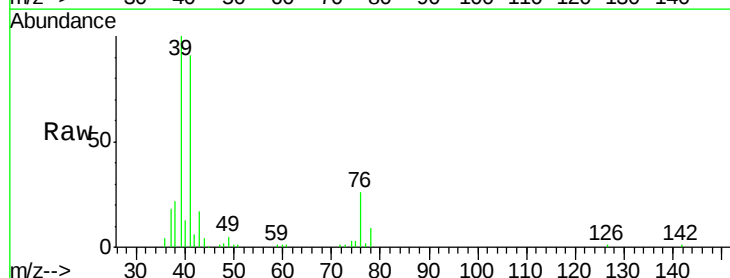
Tgt Ion: 41 Resp: 154576

Ion Ratio Lower Upper

41 100

39 109.5 79.5 119.3

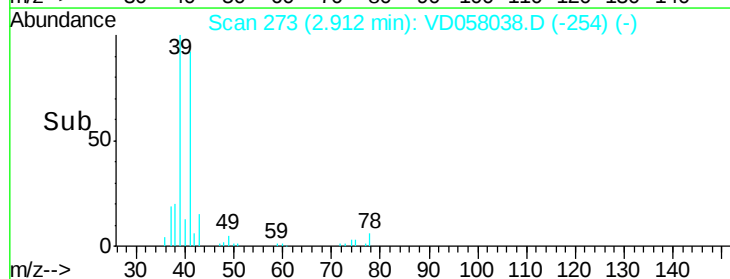
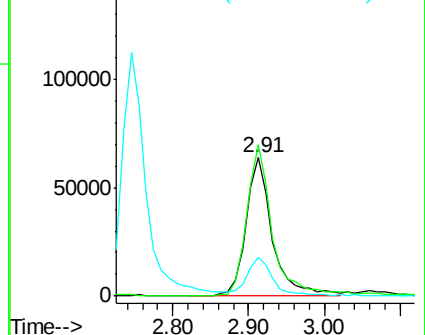
76 28.1 20.7 31.1

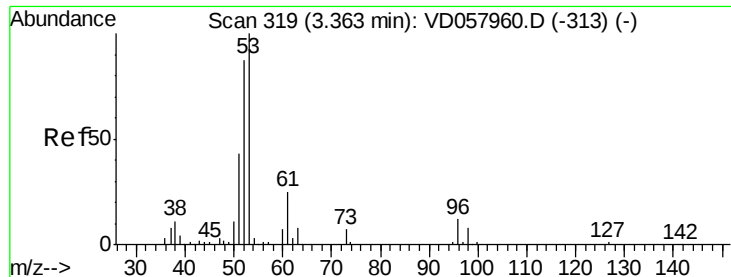


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 105.80 ug/l

RT: 3.36 min Scan# 318

Delta R.T. -0.01 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS02

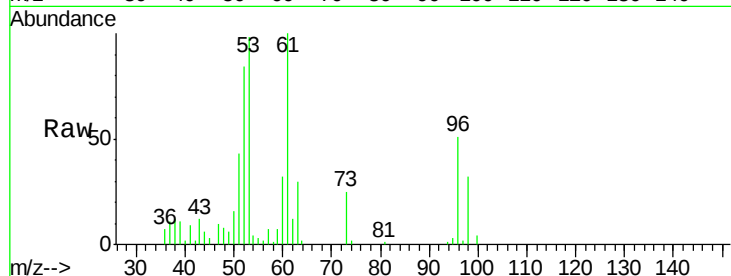
Tot Ion: 53 Resp: 130894

Ion Ratio Lower Upper

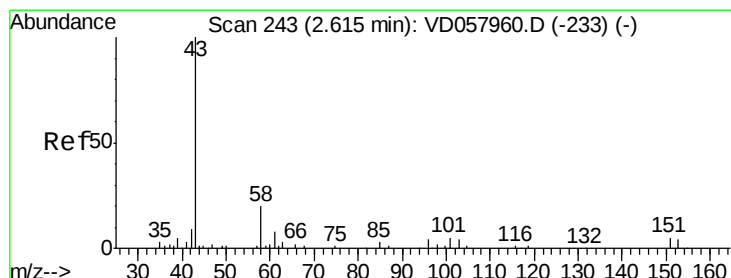
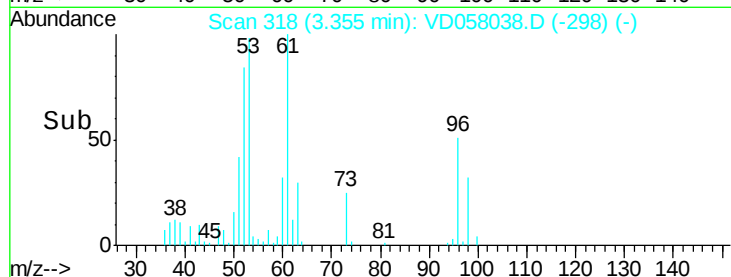
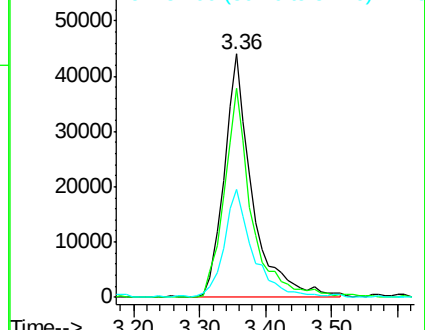
53 100

52 85.8 69.9 104.9

51 44.5 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: 97.98 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058038.D

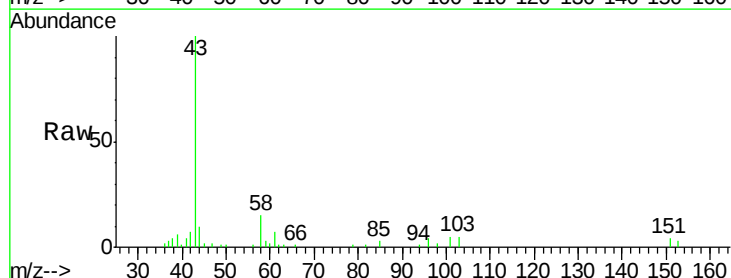
Acq: 9 Jun 2018 2:38

Tgt Ion: 43 Resp: 111434

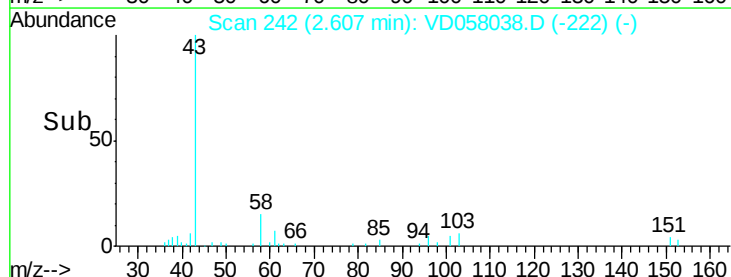
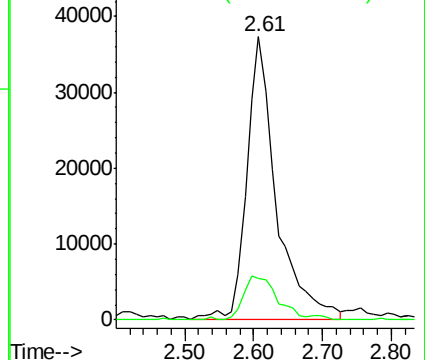
Ion Ratio Lower Upper

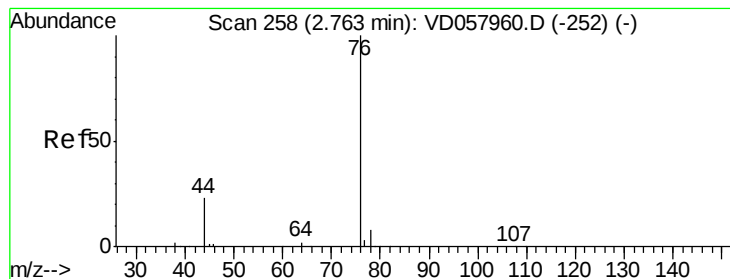
43 100

58 14.6 15.8 23.8#



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





#17

Carbon Disulfide

Concen: 21.42 ug/l

RT: 2.75 min Scan# 256

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

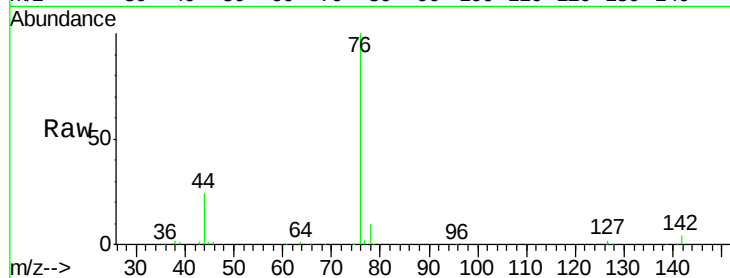
VD0608SBS02

Tot Ion: 76 Resp: 245705

Ion Ratio Lower Upper

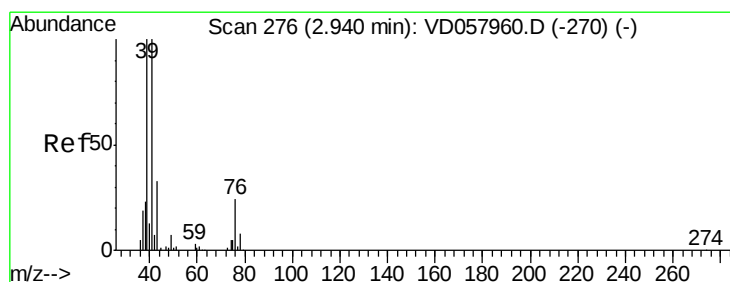
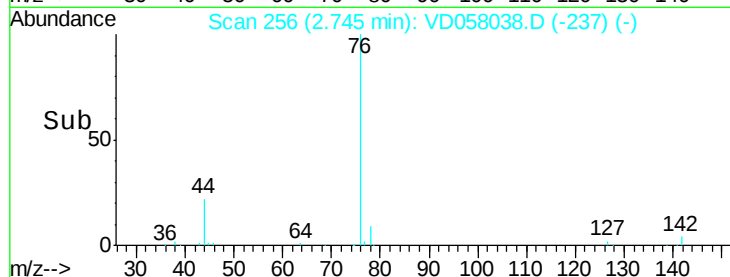
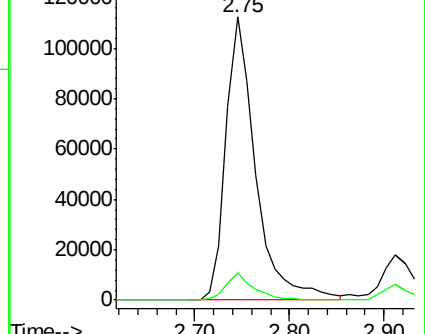
76 100

78 9.6 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: 23.14 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.01 min

Lab File: VD058038.D

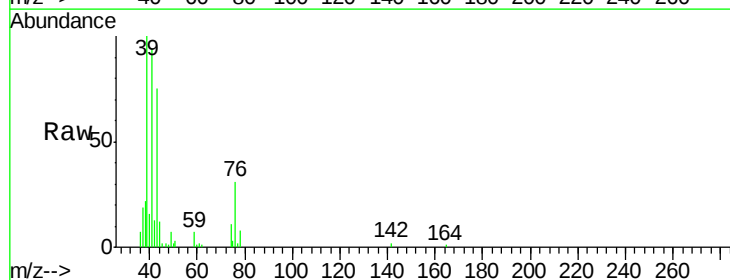
Acq: 9 Jun 2018 2:38

Tgt Ion: 43 Resp: 50908

Ion Ratio Lower Upper

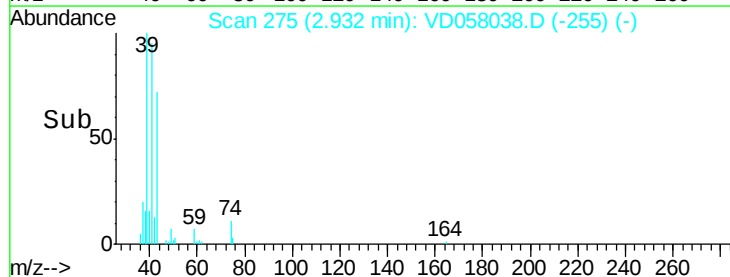
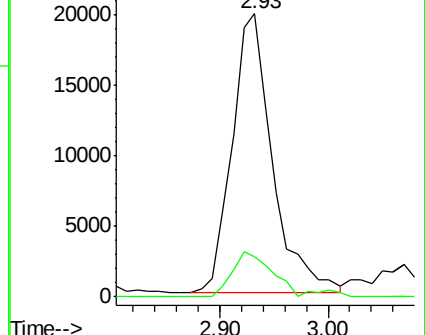
43 100

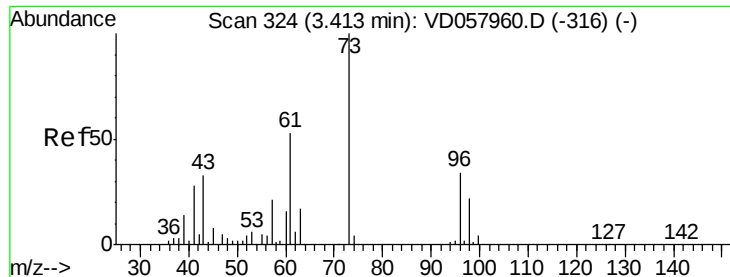
74 14.2 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

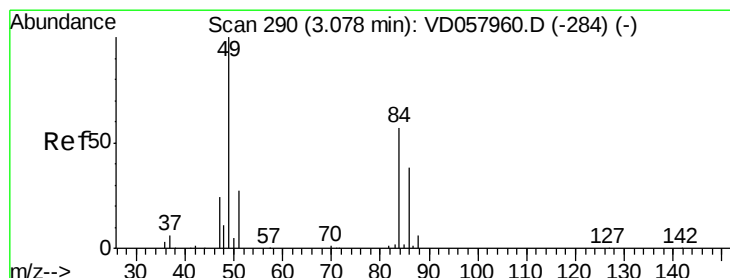
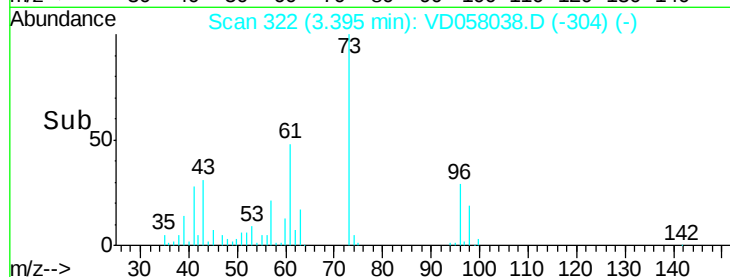
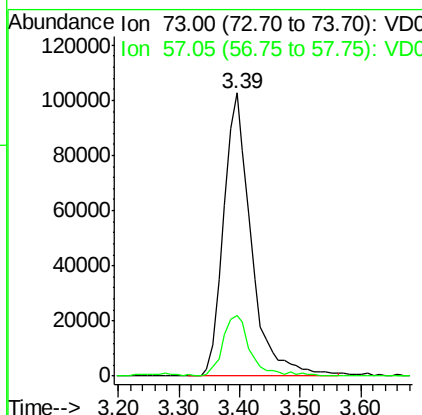
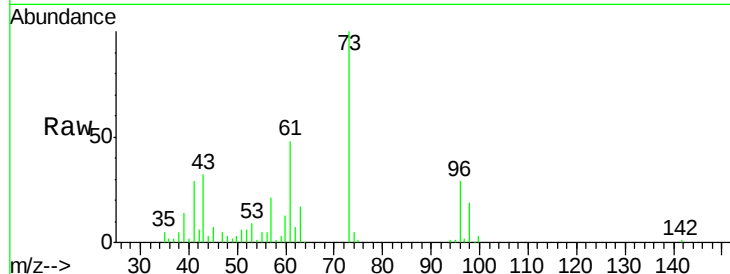




#19
Methyl tert-butyl Ether
Concen: 23.36 ug/l
RT: 3.39 min Scan# 322
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

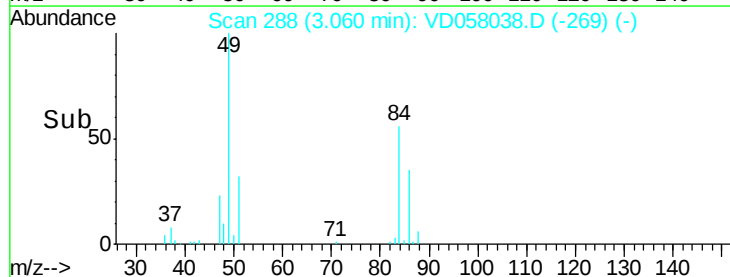
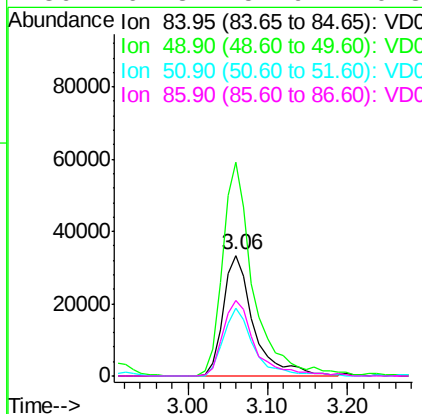
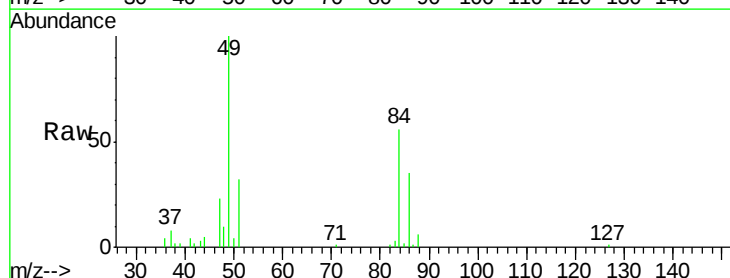
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS02

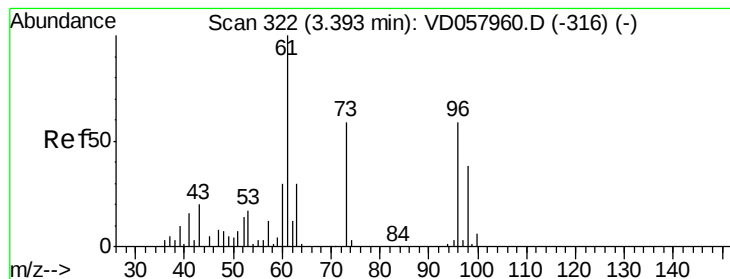
Tot Ion: 73 Resp: 325473
Ion Ratio Lower Upper
73 100
57 21.3 16.7 25.1



#20
Methylene Chloride
Concen: 28.29 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Tgt Ion: 84 Resp: 89654
Ion Ratio Lower Upper
84 100
49 177.4 141.4 212.0
51 56.6 38.3 57.5
86 62.3 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 23.38 ug/l

RT: 3.38 min Scan# 320

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS02

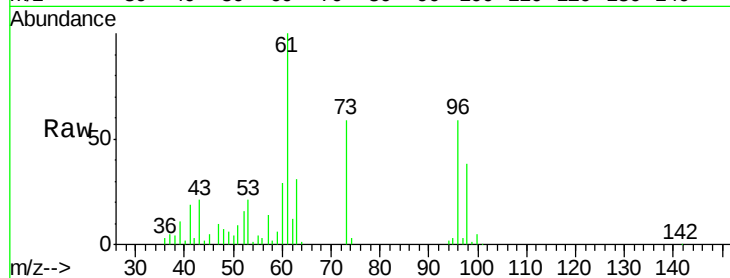
Tot Ion: 96 Resp: 164930

Ion Ratio Lower Upper

96 100

61 170.6 135.2 202.8

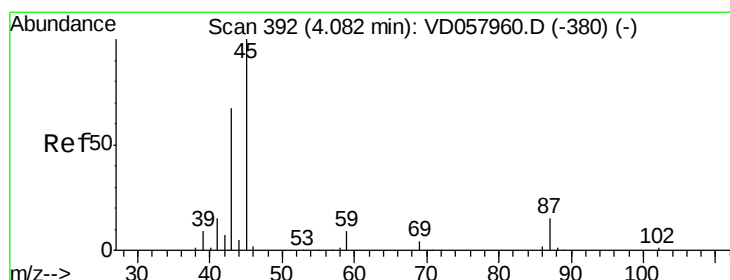
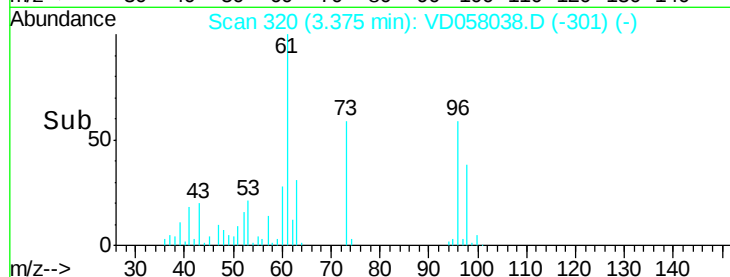
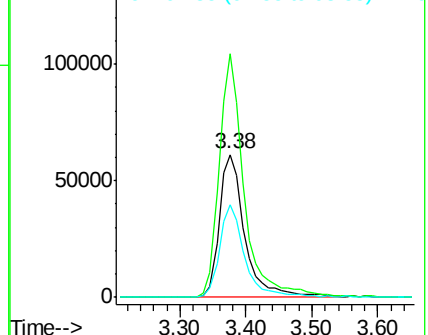
98 65.2 51.7 77.5



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: 23.18 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Tgt Ion: 45 Resp: 670928

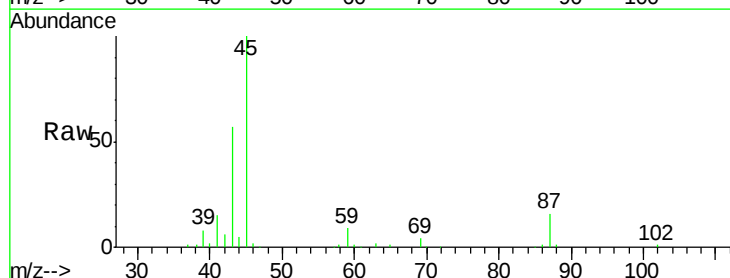
Ion Ratio Lower Upper

45 100

43 57.4 53.8 80.8

87 15.9 12.5 18.7

59 8.7 7.3 10.9

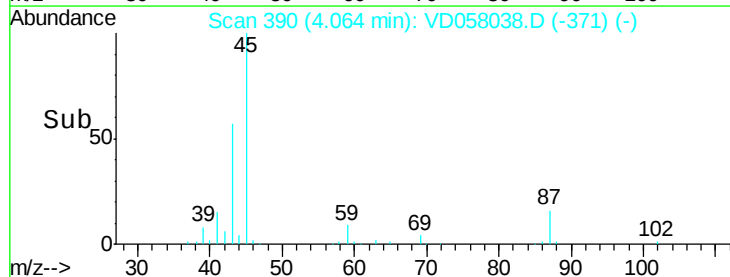
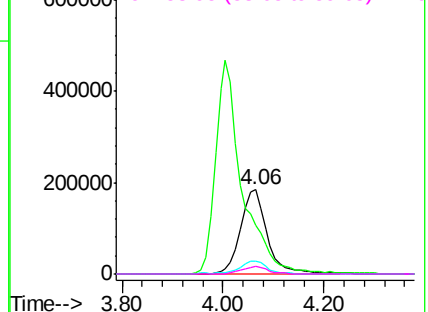


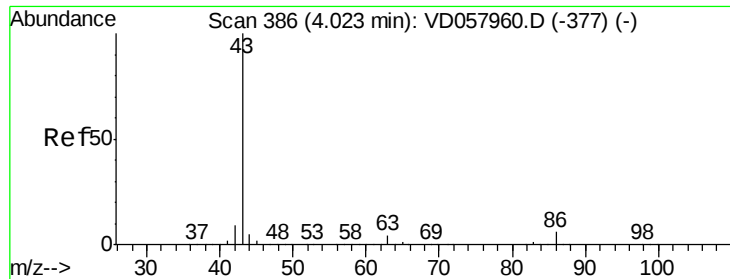
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

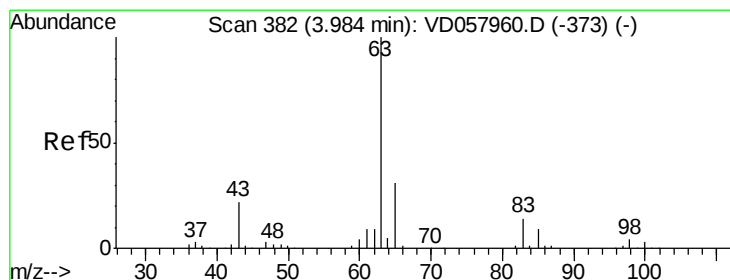
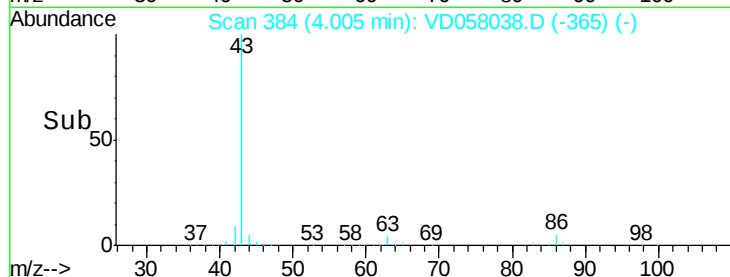
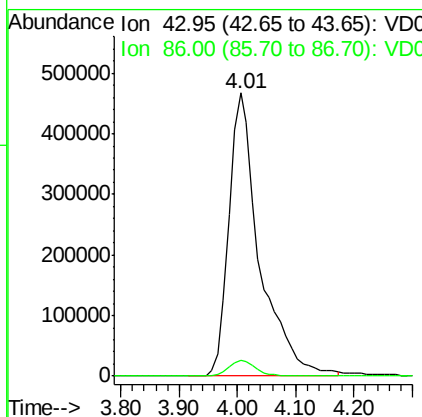
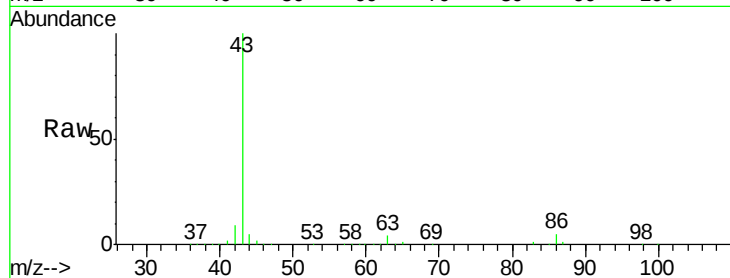




#23
 Vinyl Acetate
 Concen: 114.72 ug/l
 RT: 4.01 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

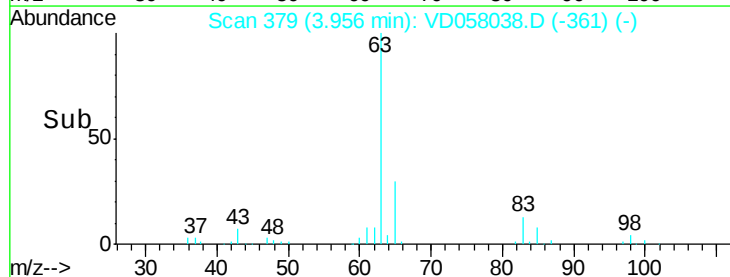
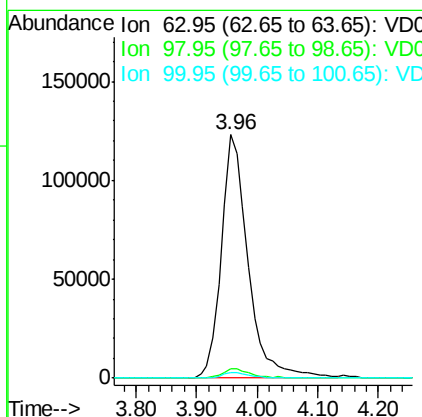
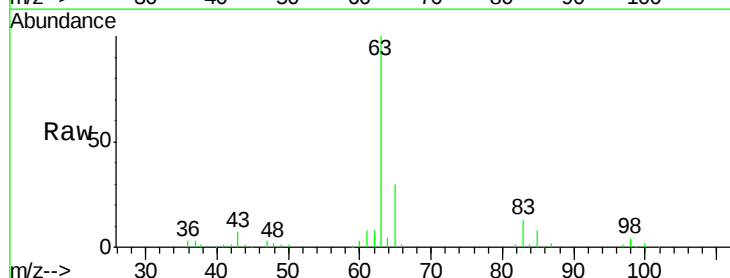
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS02

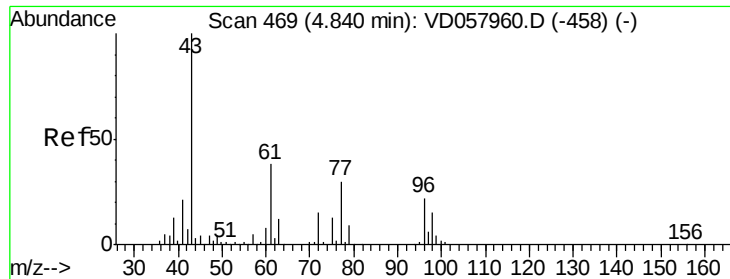
Tot Ion: 43 Resp: 1715426
 Ion Ratio Lower Upper
 43 100
 86 5.5 4.7 7.1



#24
 1,1-Dichloroethane
 Concen: 23.80 ug/l
 RT: 3.96 min Scan# 379
 Delta R.T. -0.03 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

Tgt Ion: 63 Resp: 378481
 Ion Ratio Lower Upper
 63 100
 98 4.0 2.0 5.8
 100 2.4 1.4 4.2





#25

2-Butanone

Concen: 110.22 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

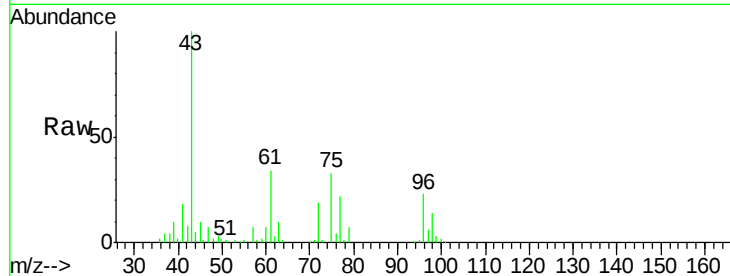
VD0608SBS02

Tot Ion: 43 Resp: 284881

Ion Ratio Lower Upper

43 100

72 19.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.82

100000

80000

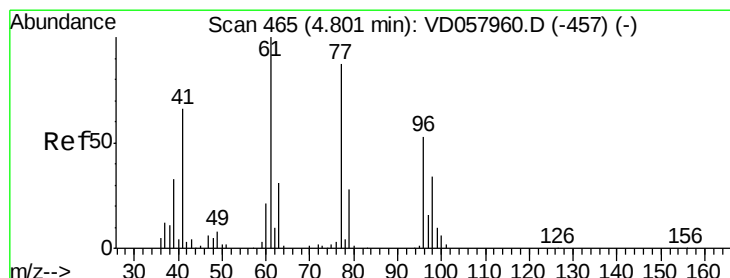
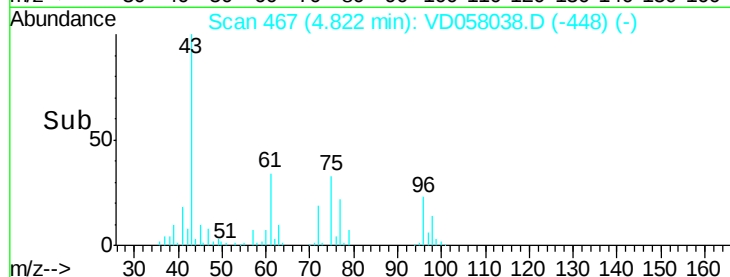
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 20.42 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.02 min

Lab File: VD058038.D

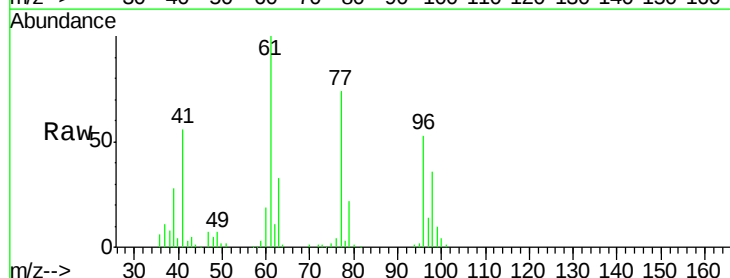
Acq: 9 Jun 2018 2:38

Tgt Ion: 77 Resp: 267568

Ion Ratio Lower Upper

77 100

97 19.4 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

4.78

80000

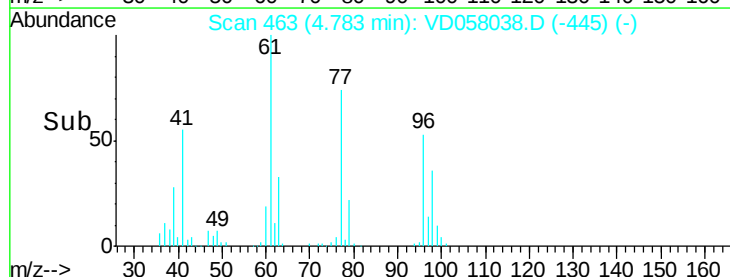
60000

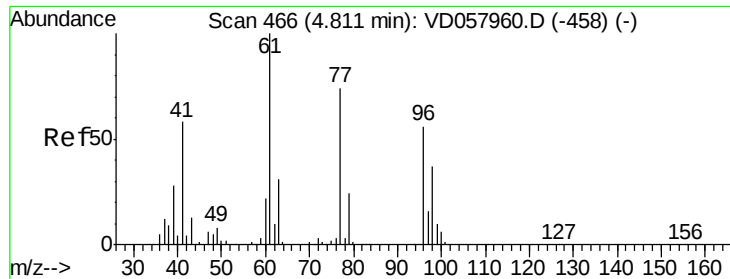
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 23.70 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS02

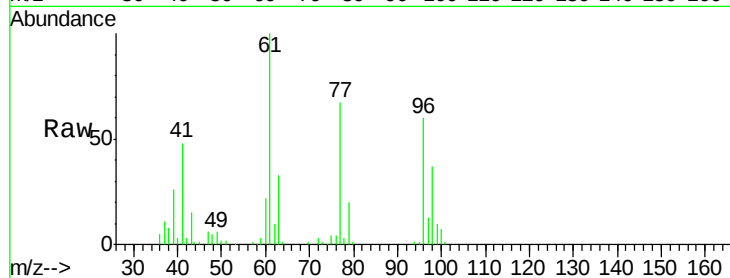
Tot Ion: 96 Resp: 198230

Ion Ratio Lower Upper

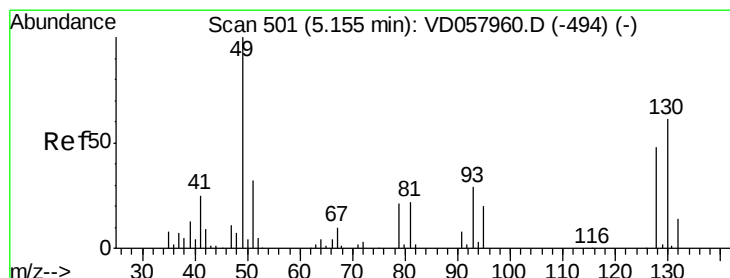
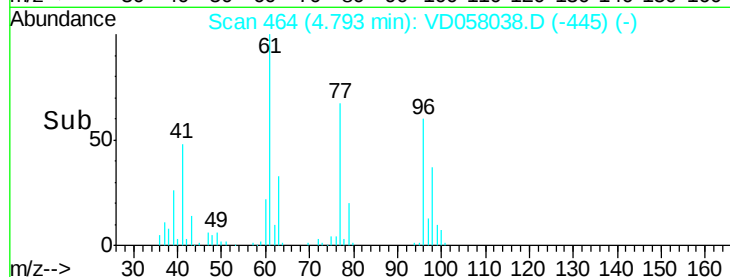
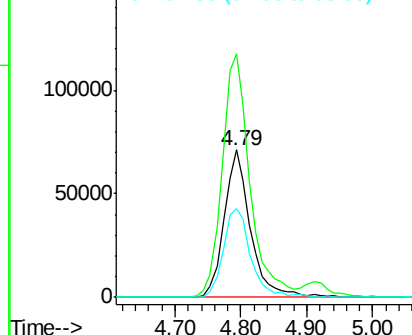
96 100

61 165.5 0.0 355.0

98 60.7 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: 23.70 ug/l

RT: 5.14 min Scan# 499

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

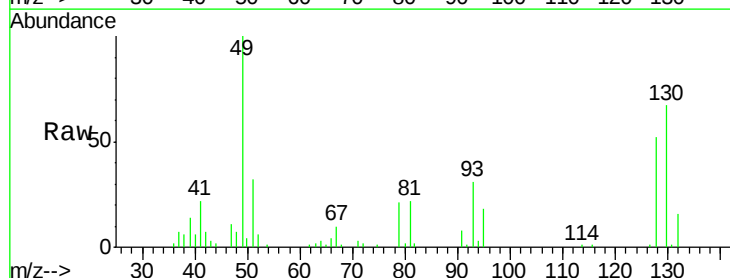
Tgt Ion: 49 Resp: 163167

Ion Ratio Lower Upper

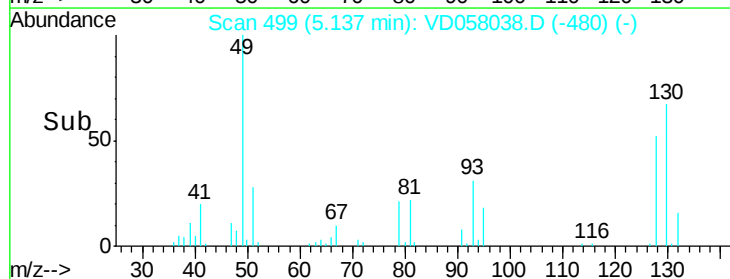
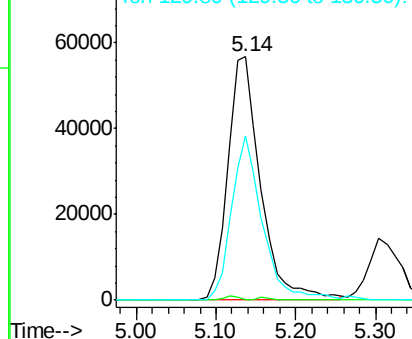
49 100

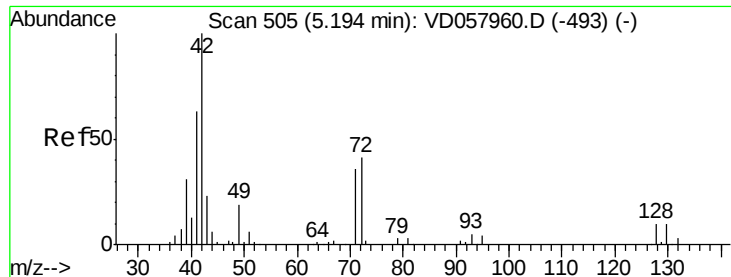
129 0.0 0.0 3.6

130 67.3 48.8 73.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

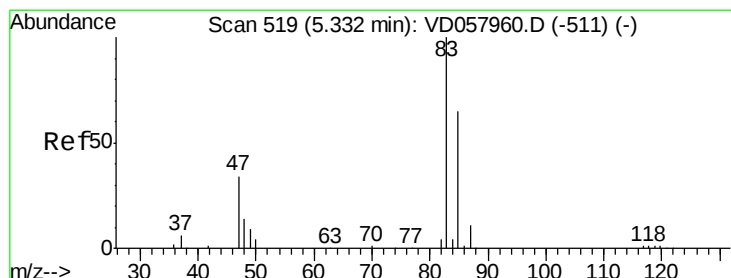
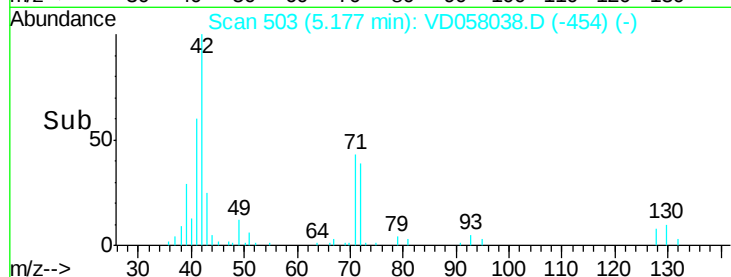
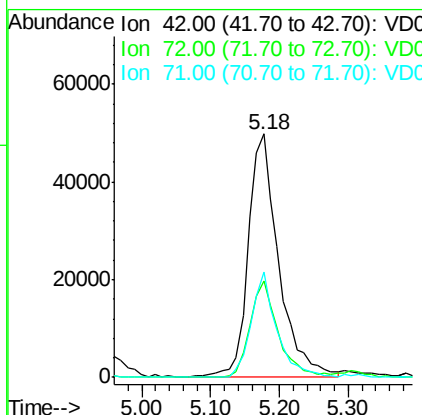
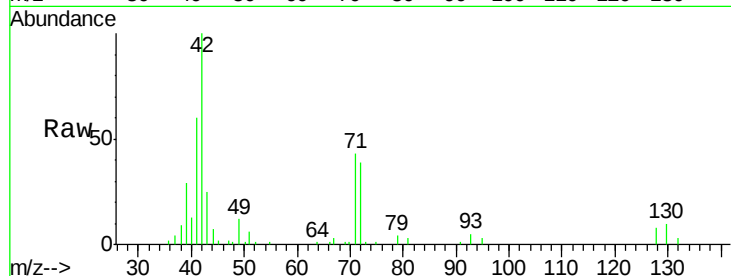




#29
Tetrahydrofuran
Concen: 113.59 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

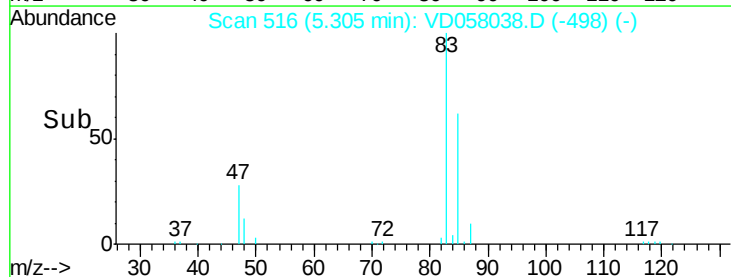
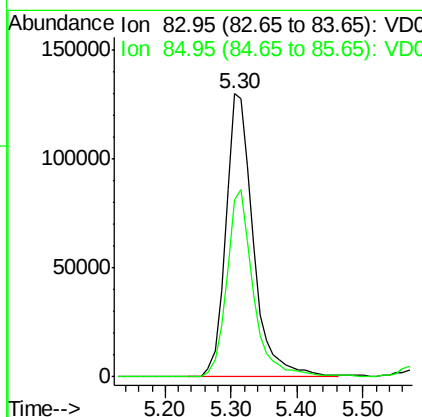
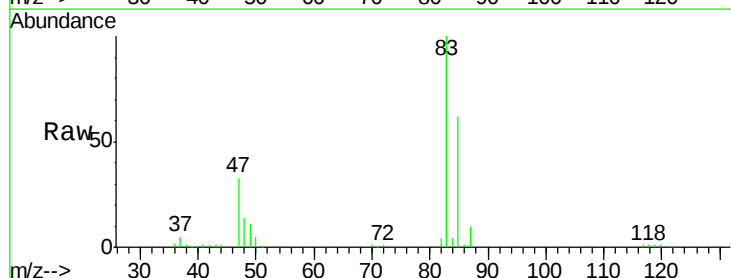
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS02

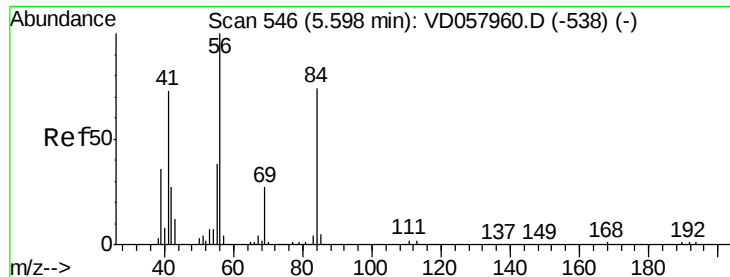
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	28.5	42.7
71	36.0	27.9	41.9



#30
Chloroform
Concen: 23.58 ug/l
RT: 5.30 min Scan# 516
Delta R.T. -0.03 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.6	77.4

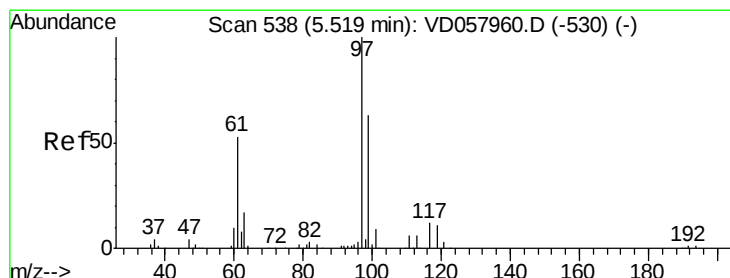
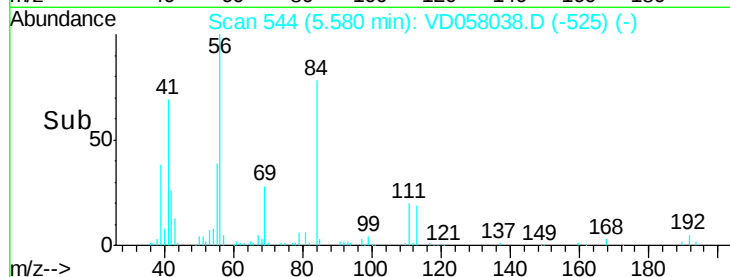
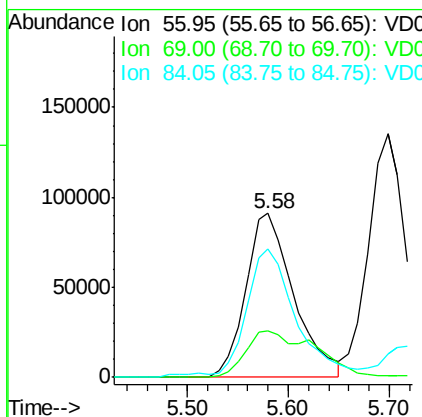
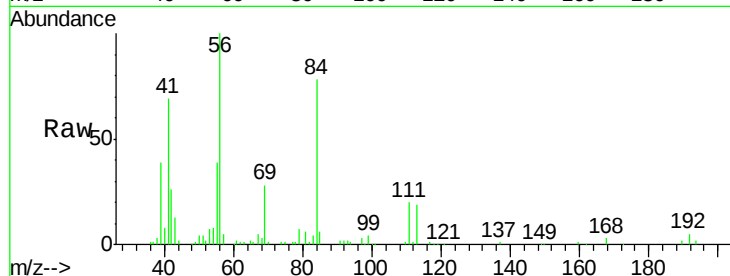




#31
Cyclohexane
Concen: 21.91 ug/l
RT: 5.58 min Scan# 544
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

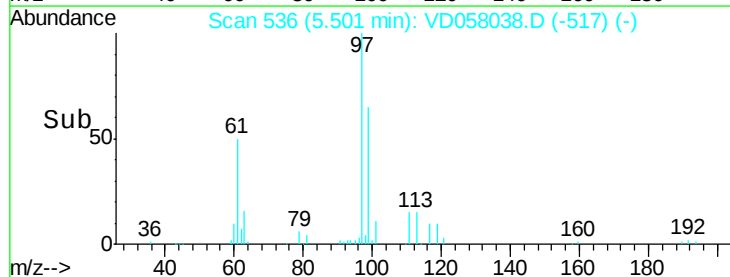
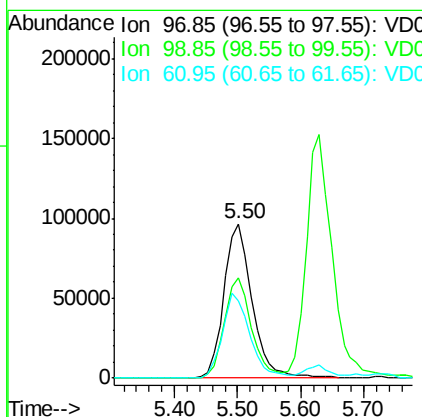
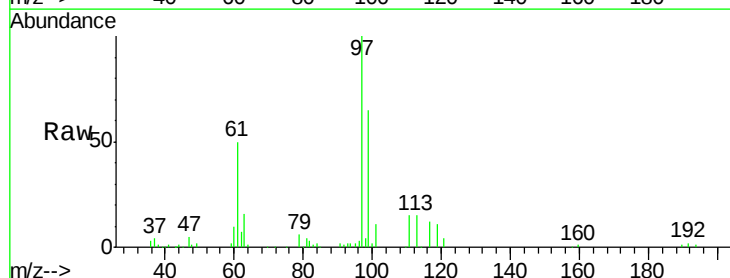
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS02

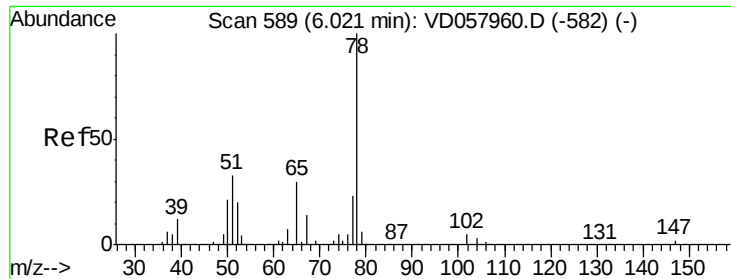
Tot Ion: 56 Resp: 300723
Ion Ratio Lower Upper
56 100
69 28.3 21.5 32.3
84 78.4 61.0 91.6



#32
1,1,1-Trichloroethane
Concen: 22.32 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Tgt Ion: 97 Resp: 299127
Ion Ratio Lower Upper
97 100
99 64.6 50.1 75.1
61 49.8 42.2 63.4

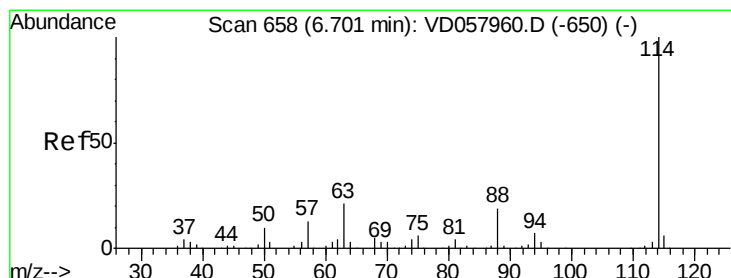
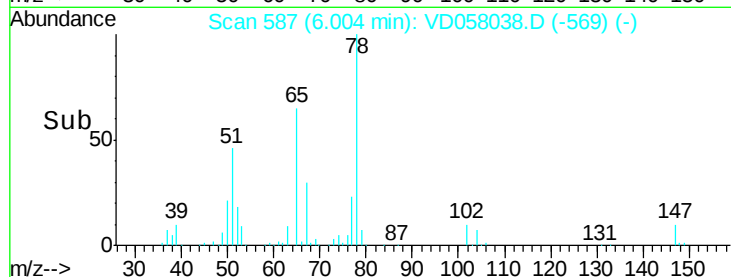
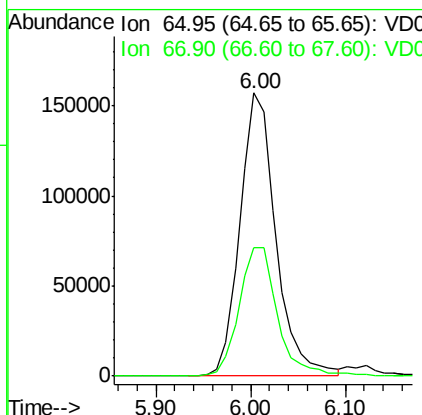
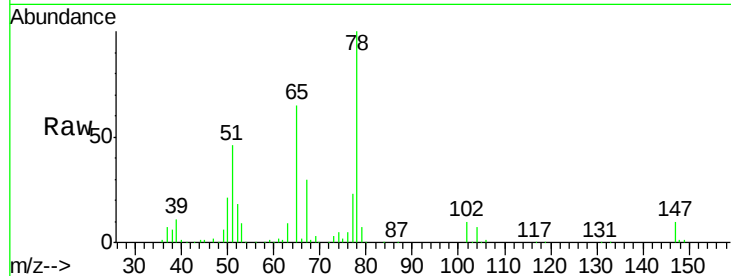




#33
 1,2-Dichloroethane-d4
 Concen: 22.32 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.02 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

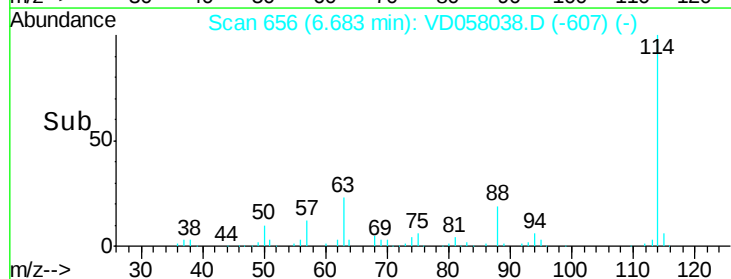
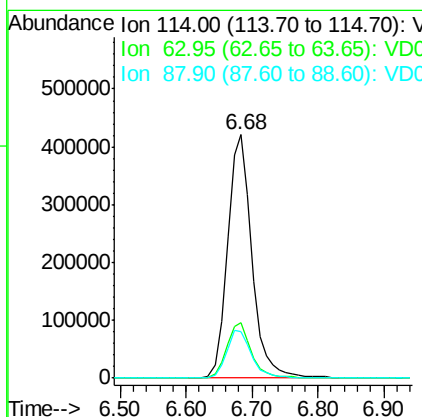
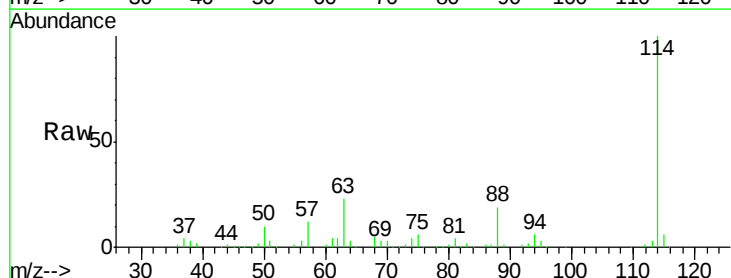
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS02

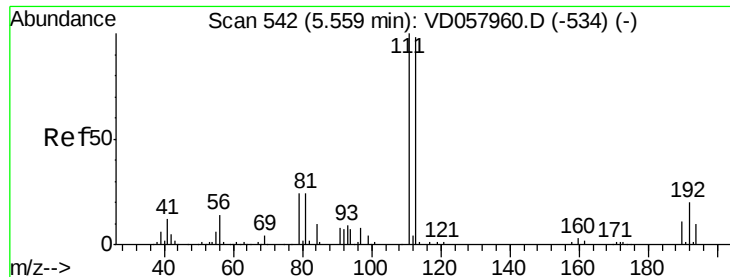
Tot Ion: 65 Resp: 412569
 Ion Ratio Lower Upper
 65 100
 67 45.6 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

Tgt Ion: 114 Resp: 1092770
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 42.8
 88 19.2 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS02

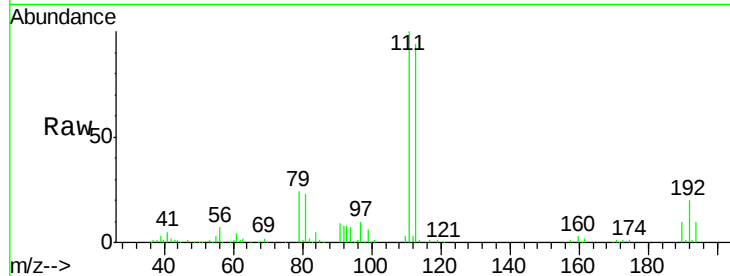
Tot Ion:113 Resp: 424559

Ion Ratio Lower Upper

113 100

111 106.7 81.5 122.3

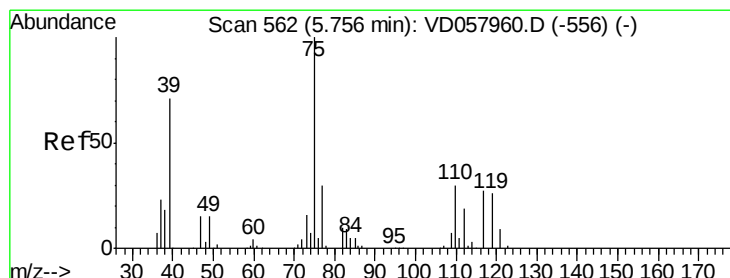
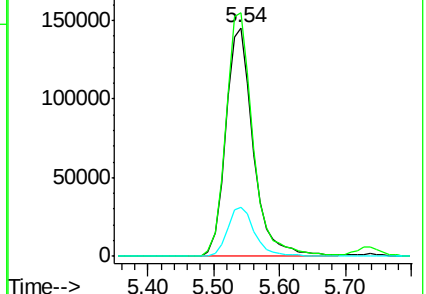
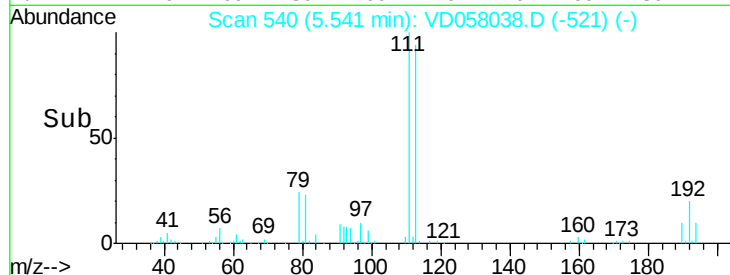
192 21.3 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.70 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

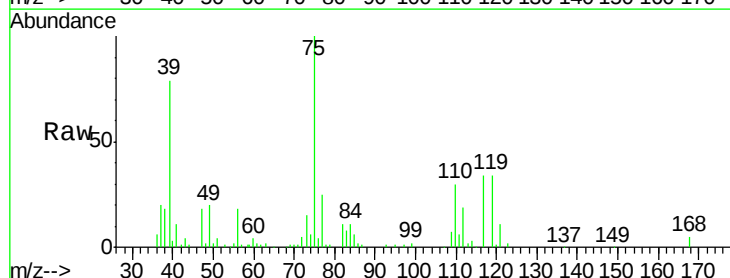
Tgt Ion: 75 Resp: 261205

Ion Ratio Lower Upper

75 100

110 30.4 14.8 44.3

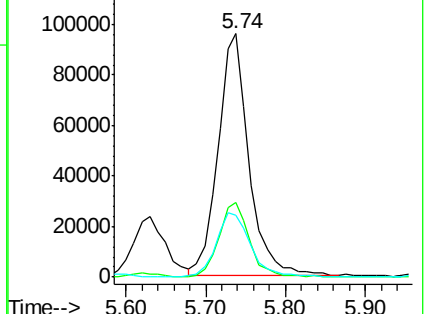
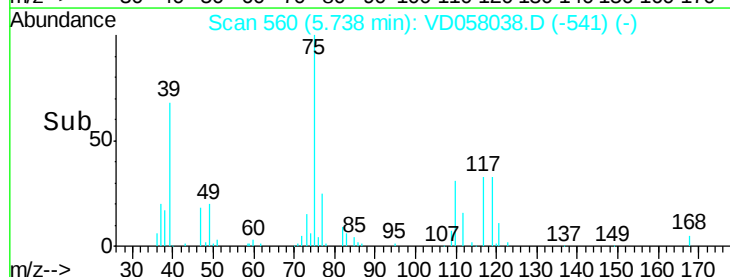
77 25.2 23.9 35.9

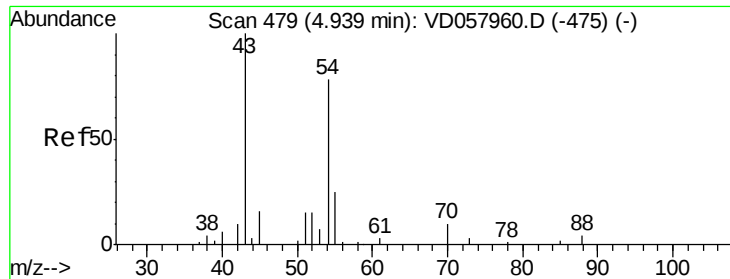


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

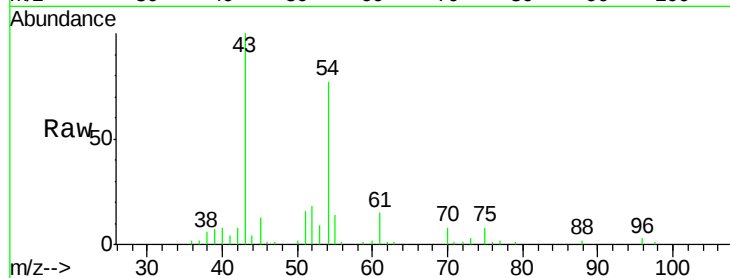




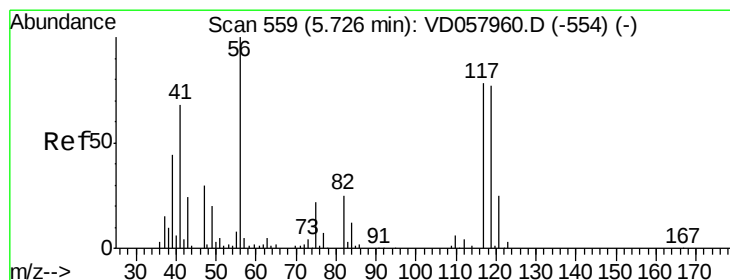
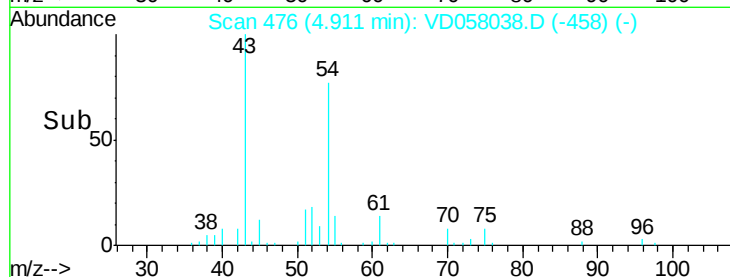
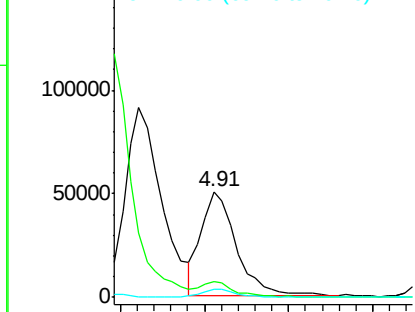
#37
Ethyl Acetate
Concen: 22.16 ug/l
RT: 4.91 min Scan# 476
Delta R.T. -0.03 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS02

Tot Ion: 43 Resp: 145580
Ion Ratio Lower Upper
43 100
61 15.2 9.9 14.9#
70 8.0 5.7 8.5

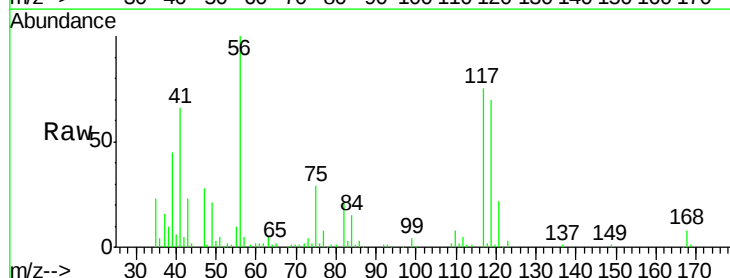


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

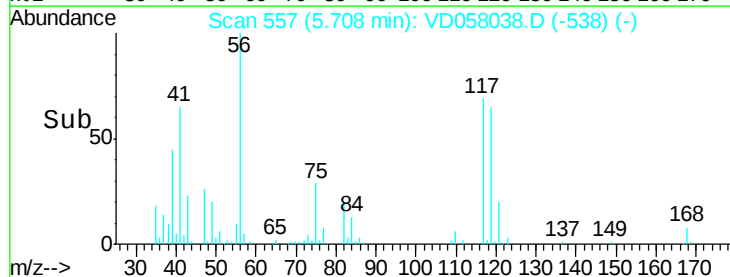
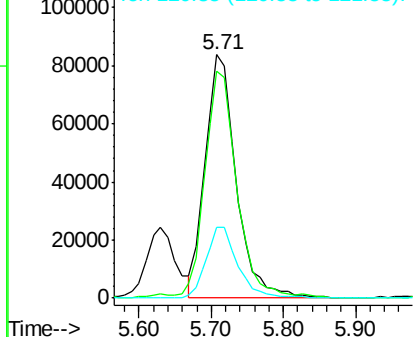


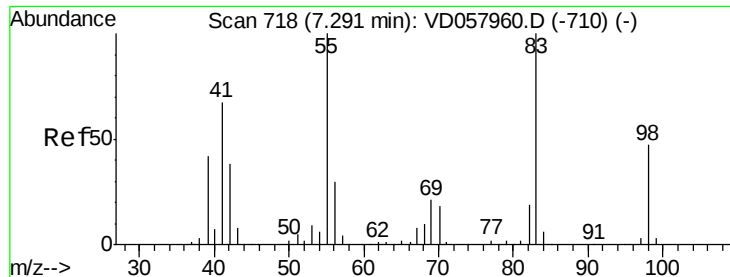
#38
Carbon Tetrachloride
Concen: 20.98 ug/l
RT: 5.71 min Scan# 557
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Tgt Ion: 117 Resp: 248958
Ion Ratio Lower Upper
117 100
119 93.4 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

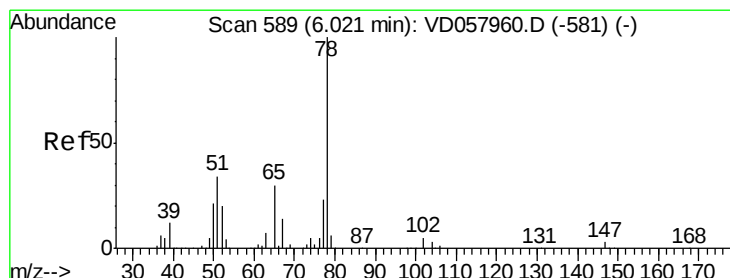
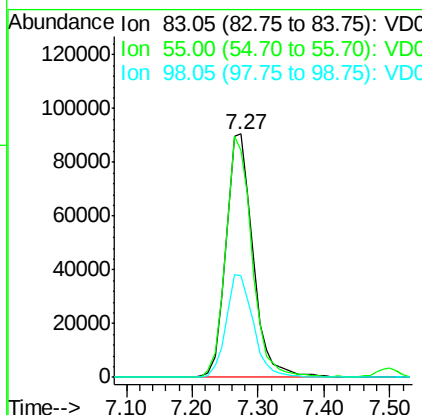
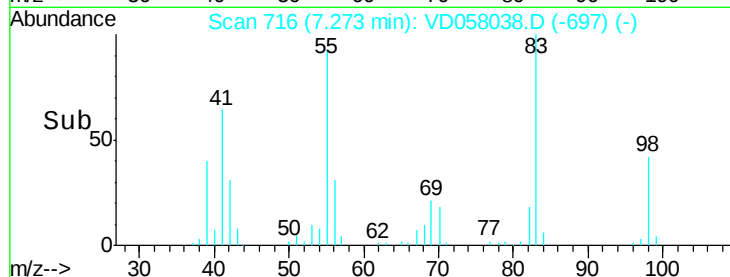
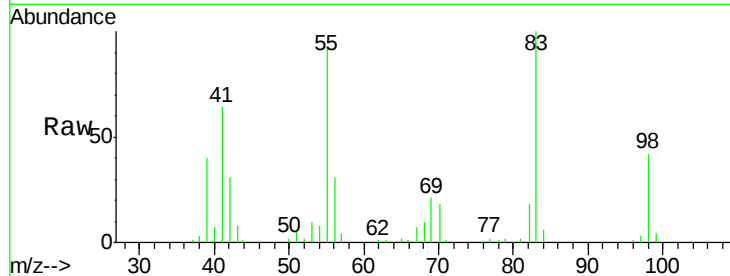




#39
Methvlcvclohexane
Concen: 21.76 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

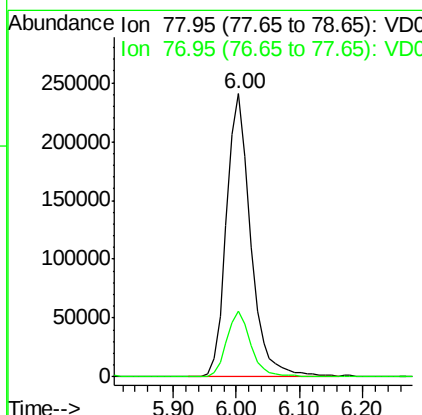
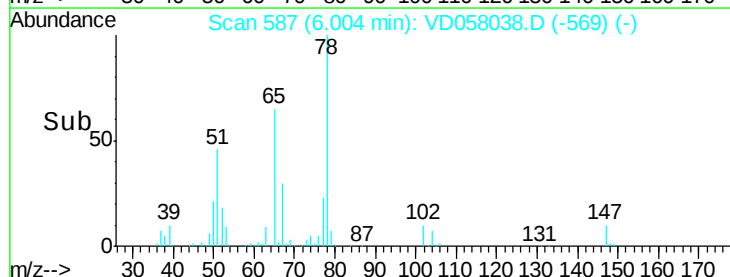
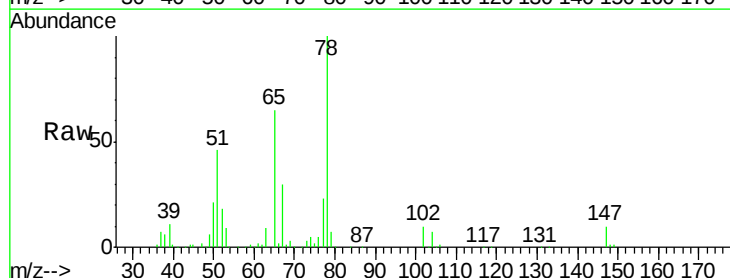
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS02

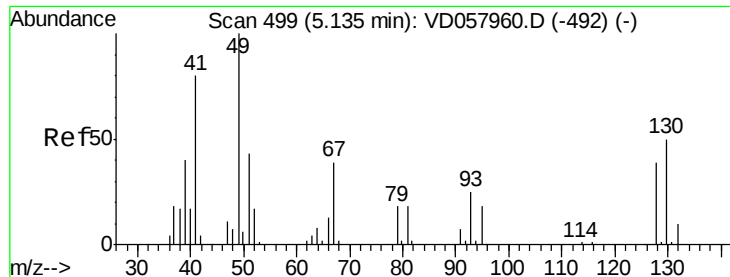
Tot Ion: 83 Resp: 259653
Ion Ratio Lower Upper
83 100
55 93.3 80.3 120.5
98 41.9 38.0 57.0



#40
Benzene
Concen: 22.79 ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Tgt Ion: 78 Resp: 640841
Ion Ratio Lower Upper
78 100
77 23.3 18.1 27.1





#41

Methacrylonitrile

Concen: 22.71 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS02

Tot Ion: 41 Resp: 68229

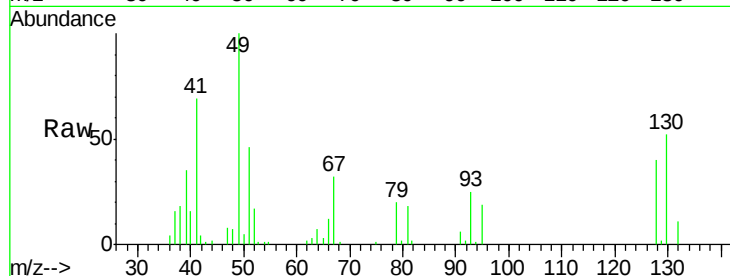
Ion Ratio Lower Upper

41 100

39 50.2 40.7 61.1

67 46.0 38.8 58.2

52 24.5 17.3 25.9

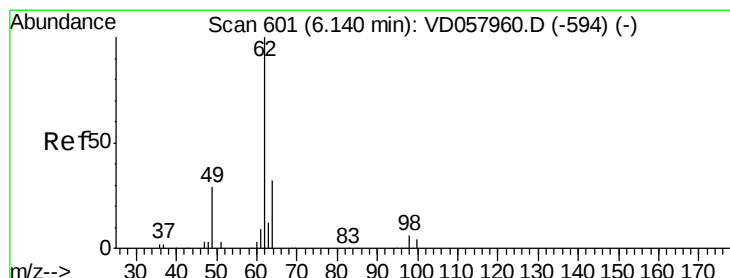
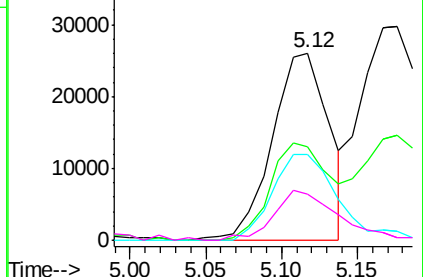
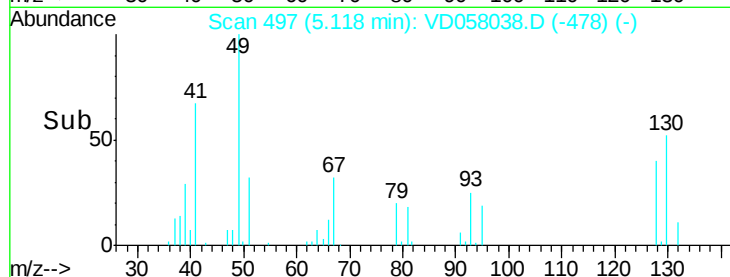


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 22.62 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.02 min

Lab File: VD058038.D

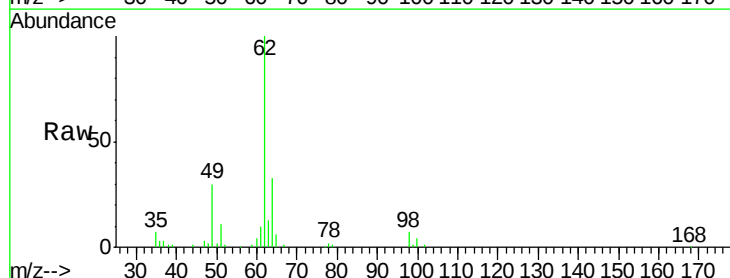
Acq: 9 Jun 2018 2:38

Tgt Ion: 62 Resp: 257206

Ion Ratio Lower Upper

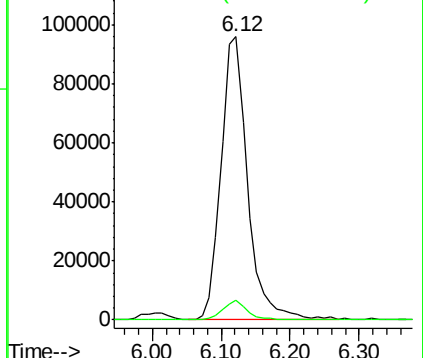
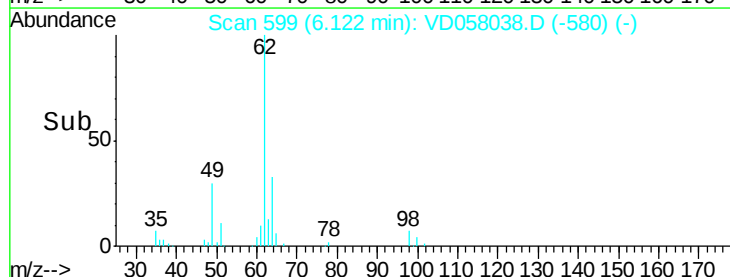
62 100

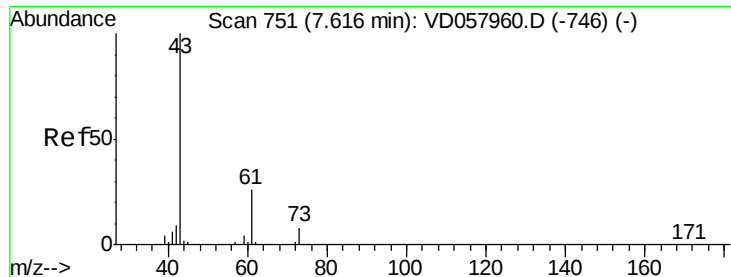
98 6.8 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



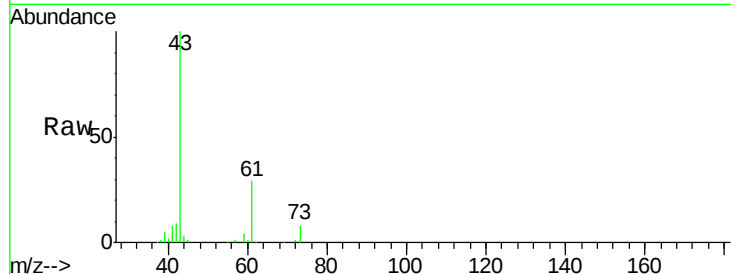


#43

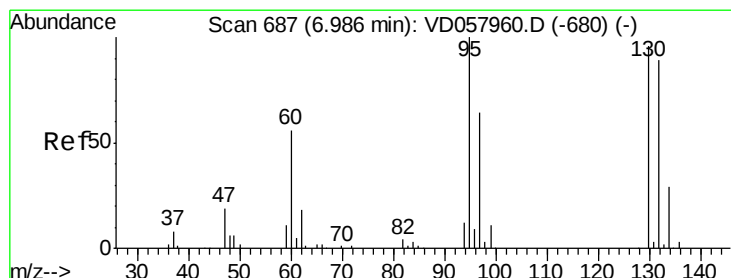
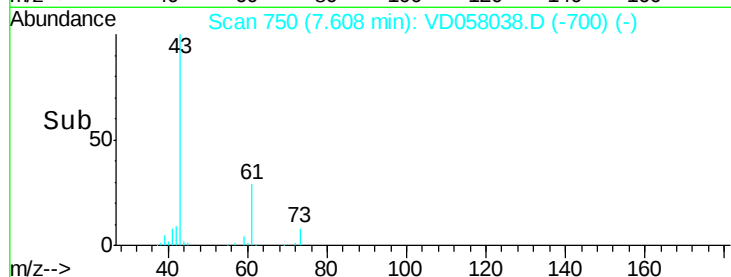
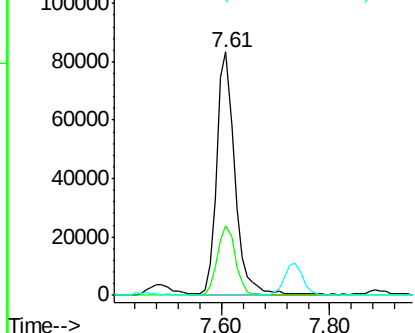
Isopropyl Acetate
 Concen: 22.70 ug/l
 RT: 7.61 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0608SBS02

Tot Ion: 43 Resp: 195337
 Ion Ratio Lower Upper
 43 100
 61 28.7 20.6 30.8
 87 0.0 0.2 0.4#



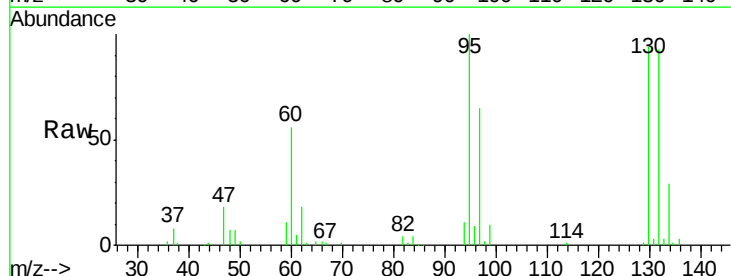
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



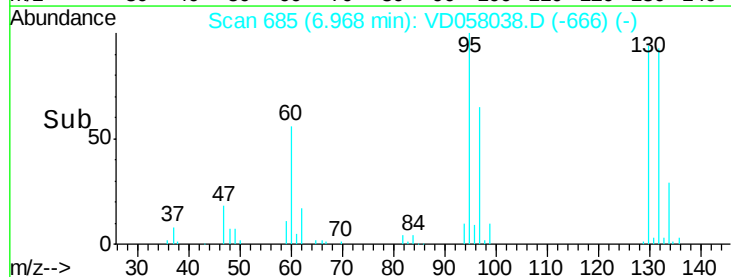
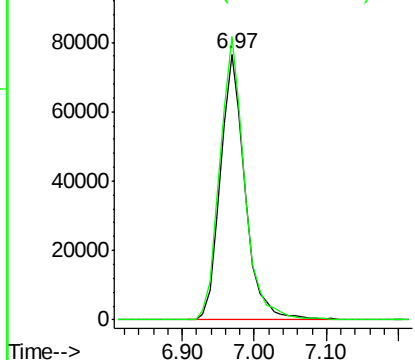
#44

Trichloroethene
 Concen: 21.91 ug/l
 RT: 6.97 min Scan# 685
 Delta R.T. -0.02 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

Tgt Ion: 130 Resp: 180010
 Ion Ratio Lower Upper
 130 100
 95 106.6 0.0 207.4



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





#45

1,2-Dichloropropane

Concen: 22.89 ug/l

RT: 7.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

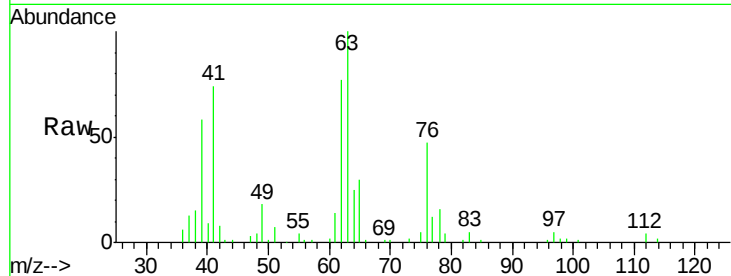
VD0608SBS02

Tot Ion: 63 Resp: 178925

Ion Ratio Lower Upper

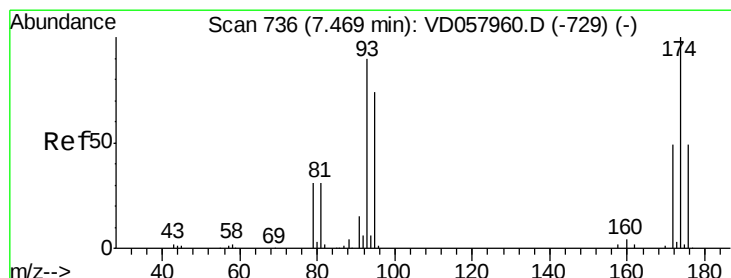
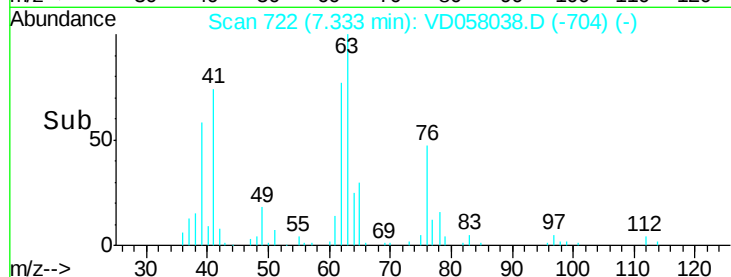
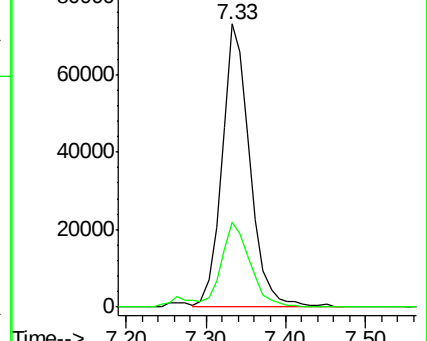
63 100

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: 22.94 ug/l

RT: 7.45 min Scan# 734

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

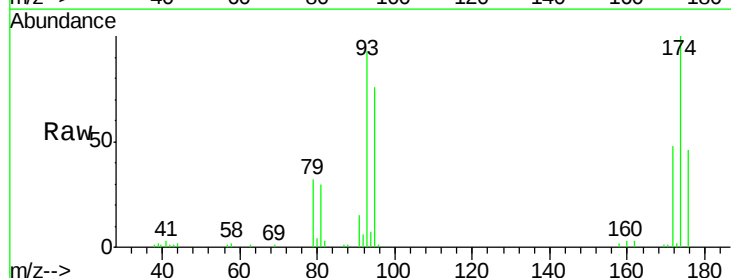
Tgt Ion: 93 Resp: 115209

Ion Ratio Lower Upper

93 100

95 81.2 65.7 98.5

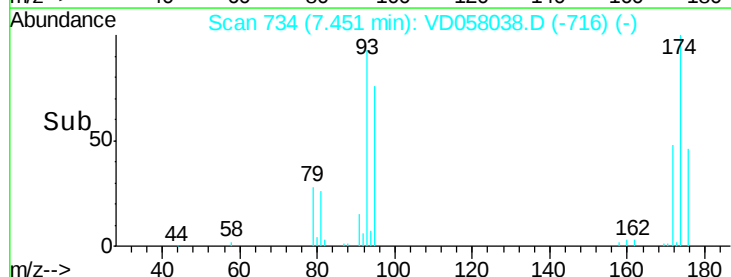
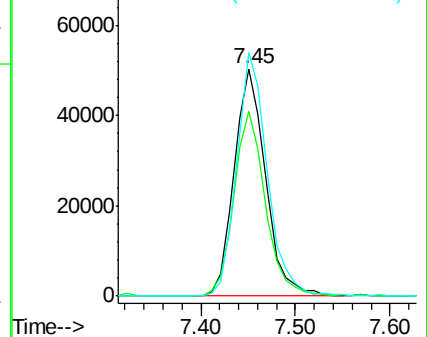
174 107.1 89.0 133.4

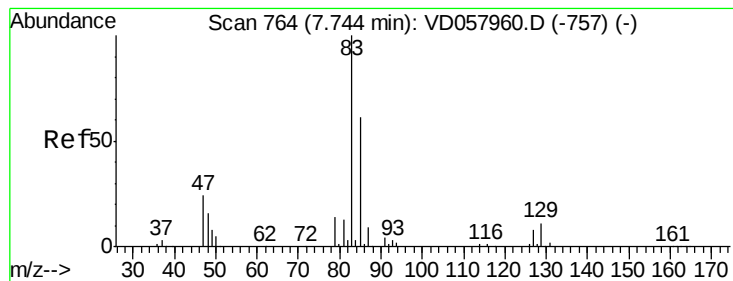


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.31 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS02

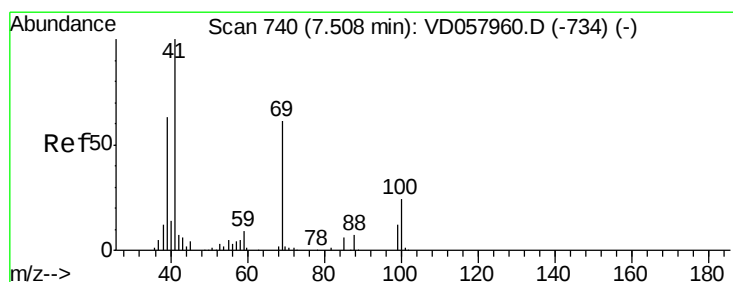
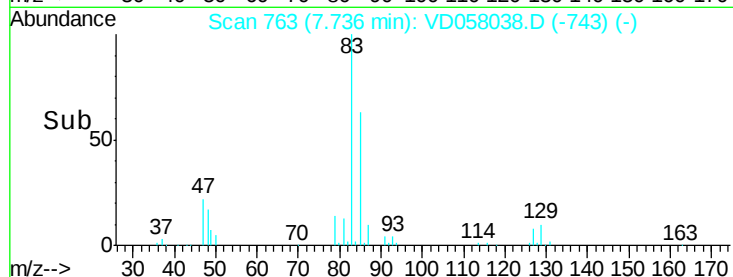
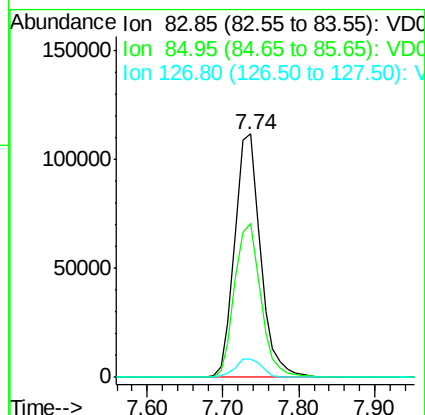
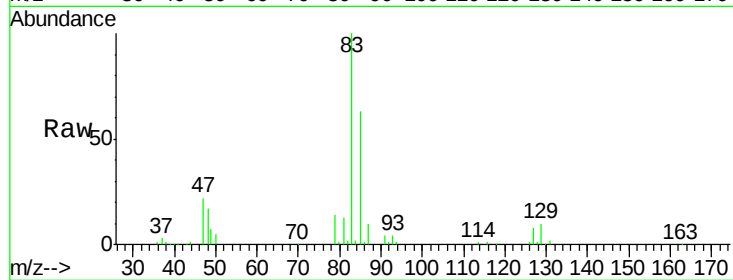
Tot Ion: 83 Resp: 262325

Ion Ratio Lower Upper

83 100

85 63.4 49.1 73.7

127 7.6 6.2 9.2



#48

Methyl methacrylate

Concen: 21.09 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

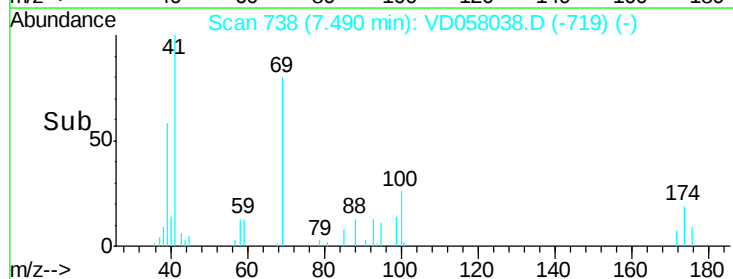
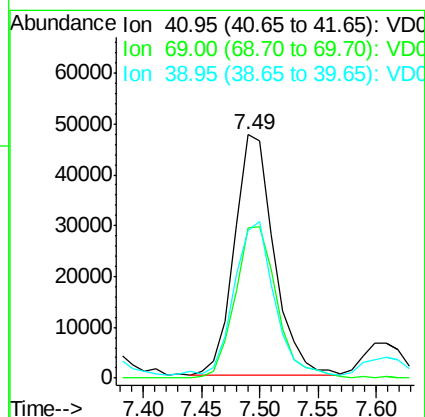
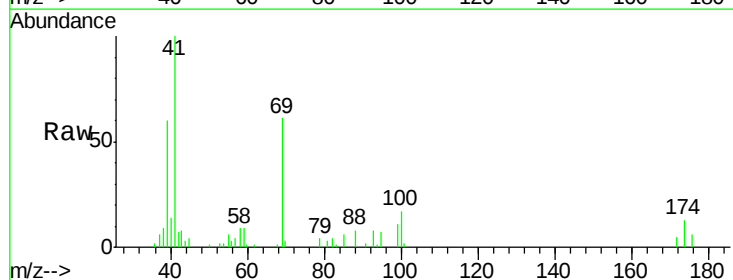
Tgt Ion: 41 Resp: 111717

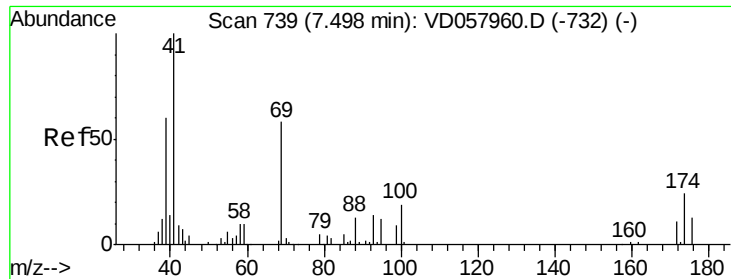
Ion Ratio Lower Upper

41 100

69 61.4 48.0 72.0

39 60.5 50.7 76.1

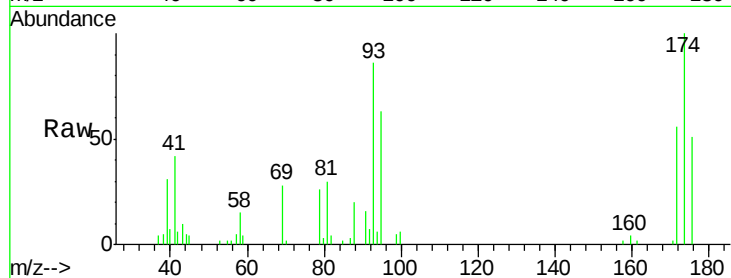




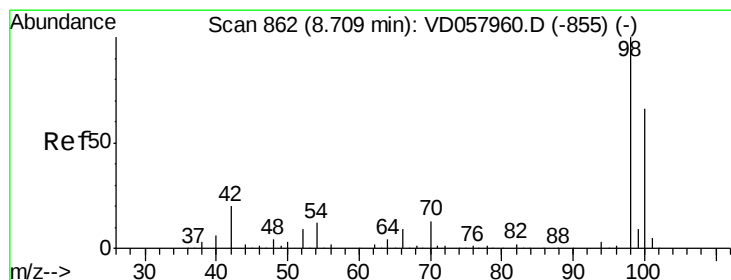
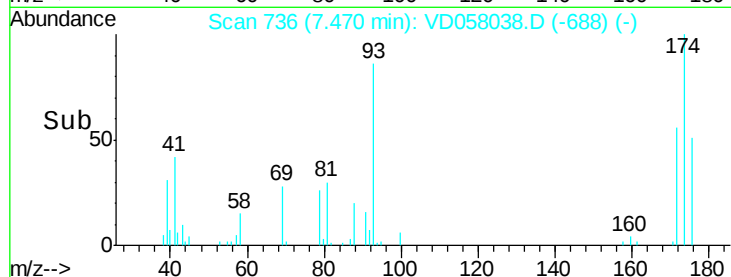
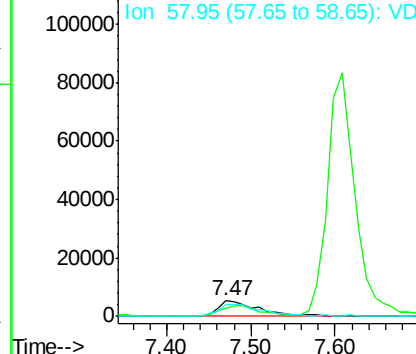
#49
1,4-Dioxane
Concen: 411.20 ug/l
RT: 7.47 min Scan# 736
Delta R.T. -0.03 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS02

Tot Ion: 88 Resp: 18041
Ion Ratio Lower Upper
88 100
43 52.4 46.6 69.8
58 77.1 63.6 95.4

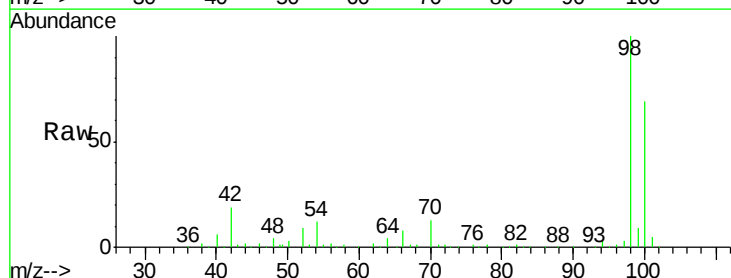


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

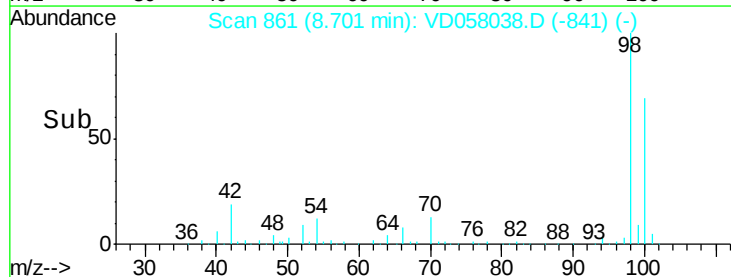
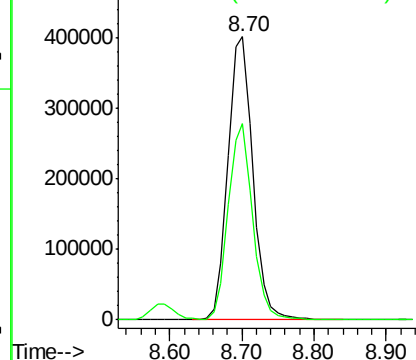


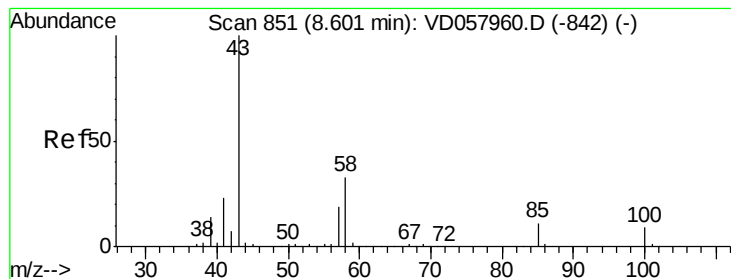
#50
Toluene-d8
Concen: 411.20 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Tgt Ion: 98 Resp: 960754
Ion Ratio Lower Upper
98 100
100 69.2 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: 114.00 ug/l

RT: 8.58 min Scan# 849

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

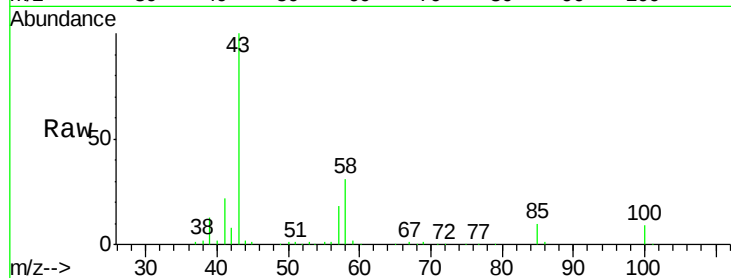
VD0608SBS02

Tot Ion: 43 Resp: 629174

Ion Ratio Lower Upper

43 100

58 30.8 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.58

250000

200000

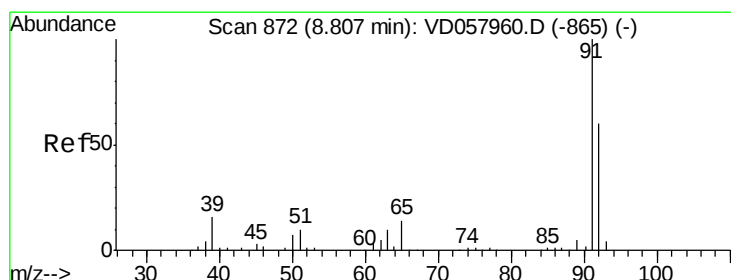
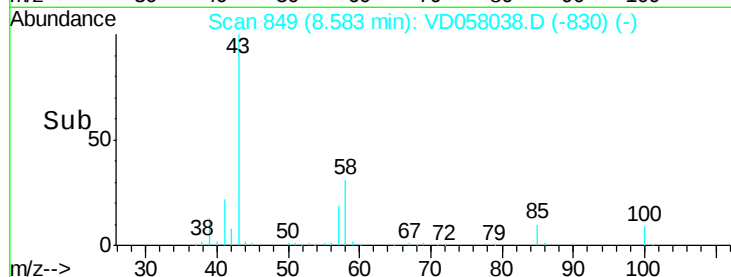
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.50 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.02 min

Lab File: VD058038.D

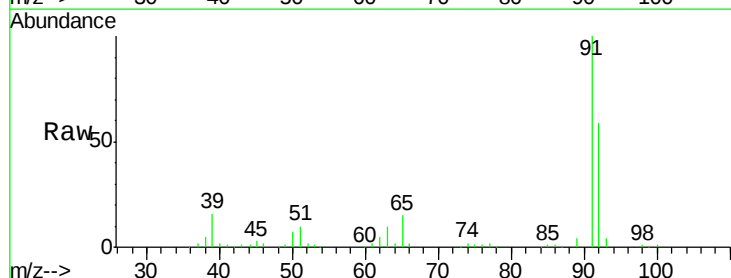
Acq: 9 Jun 2018 2:38

Tgt Ion: 92 Resp: 346981

Ion Ratio Lower Upper

92 100

91 168.4 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.79

250000

200000

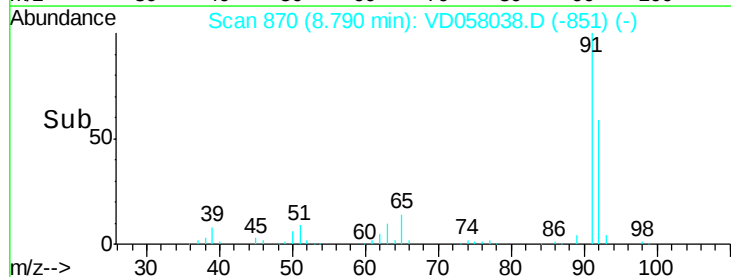
150000

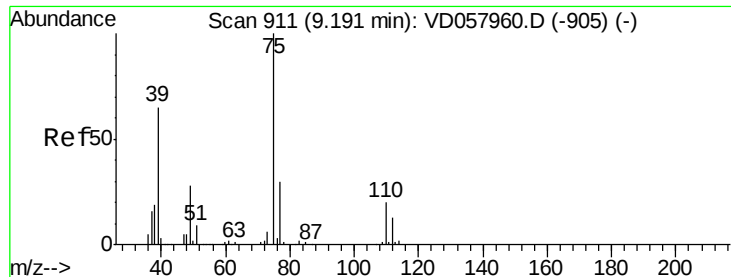
100000

50000

0

Time-->

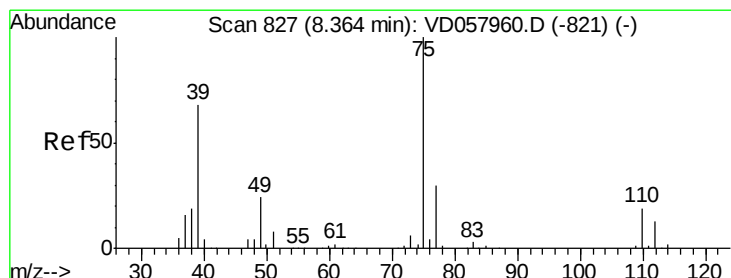
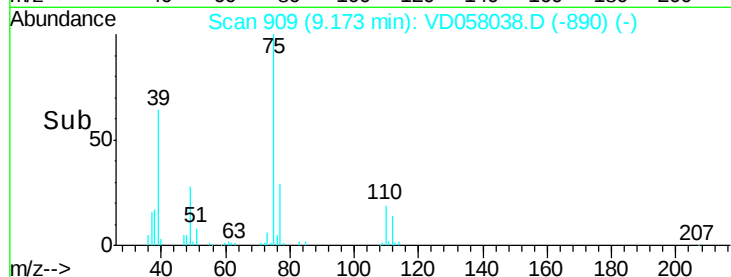
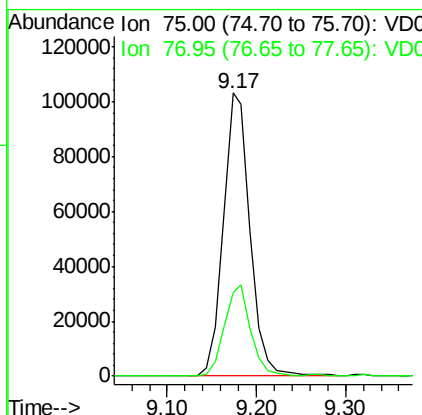
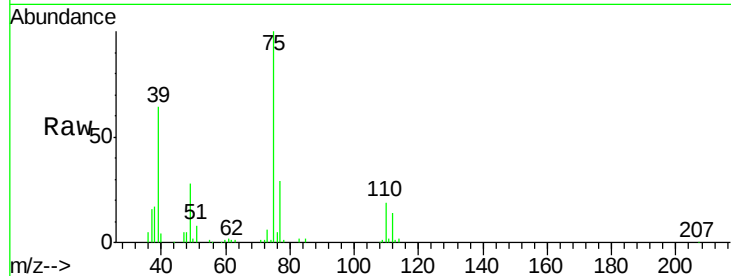




#53
t-1,3-Dichloropropene
Concen: 21.36 ug/l
RT: 9.17 min Scan# 909
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

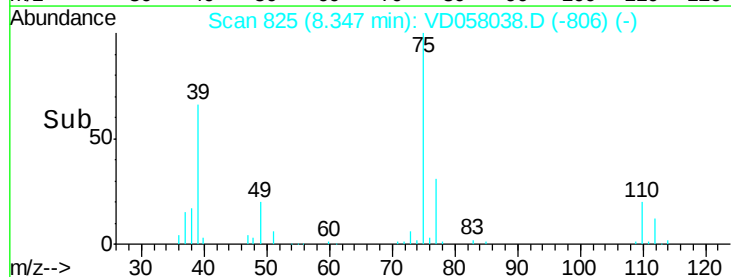
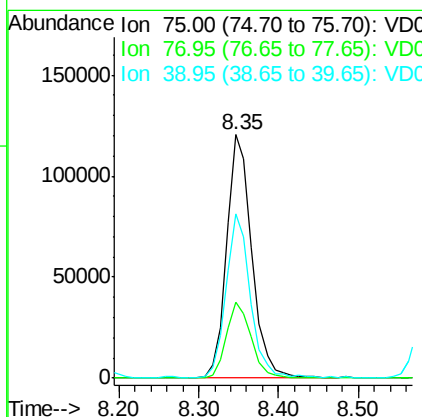
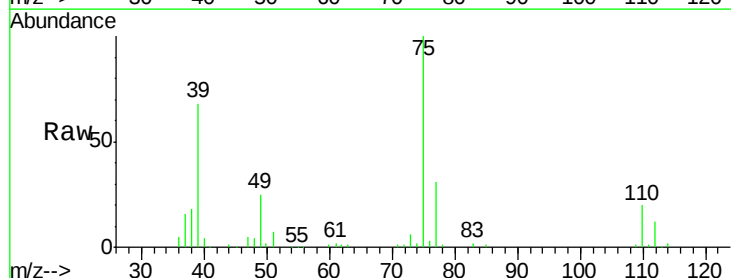
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS02

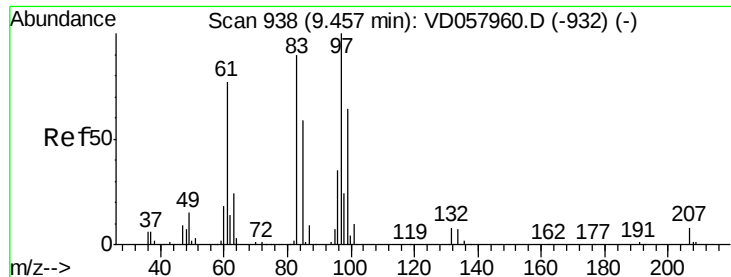
Tot Ion: 75 Resp: 216372
Ion Ratio Lower Upper
75 100
77 29.4 24.3 36.5



#54
cis-1,3-Dichloropropene
Concen: 22.37 ug/l
RT: 8.35 min Scan# 825
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Tgt Ion: 75 Resp: 266996
Ion Ratio Lower Upper
75 100
77 31.1 24.1 36.1
39 67.6 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 23.18 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS02

Tot Ion: 97 Resp: 121091

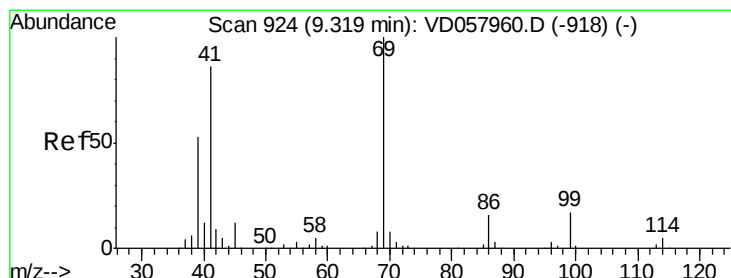
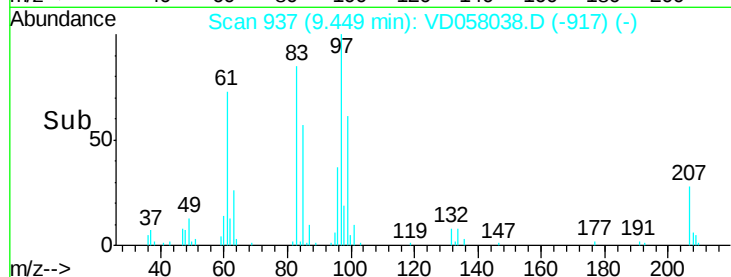
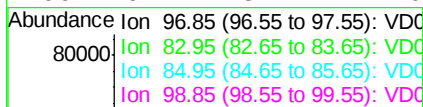
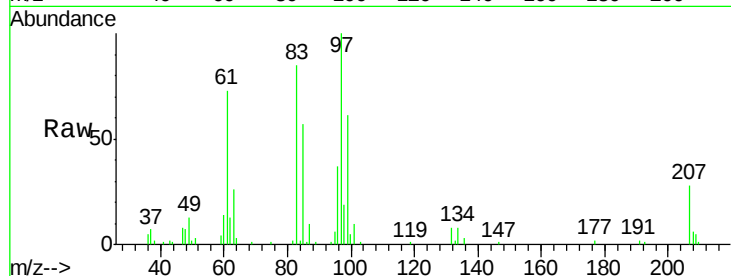
Ion Ratio Lower Upper

97 100

83 84.9 71.8 107.8

85 56.9 47.2 70.8

99 61.4 51.4 77.0



#56

Ethyl methacrylate

Concen: 23.16 ug/l

RT: 9.30 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

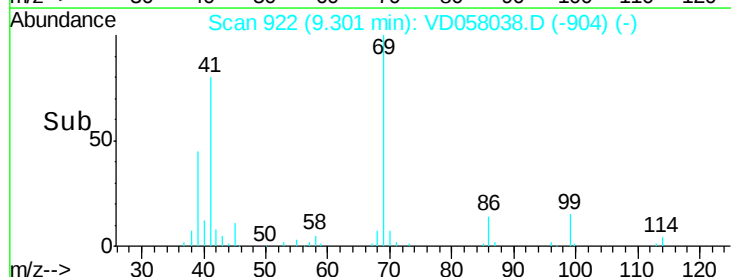
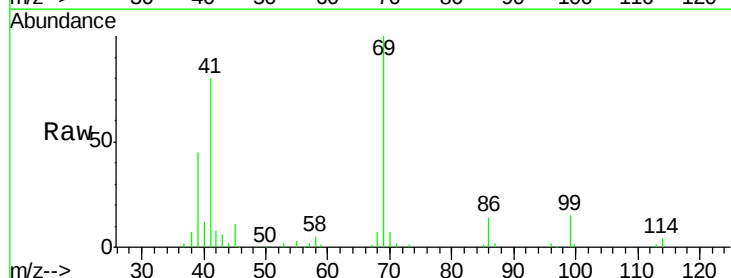
Tgt Ion: 69 Resp: 148414

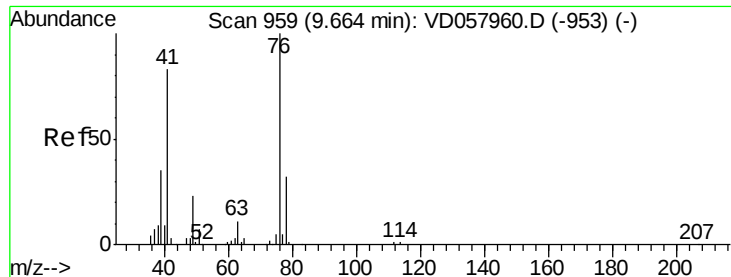
Ion Ratio Lower Upper

69 100

41 80.0 68.4 102.6

39 45.1 43.0 64.4





#57

1,3-Dichloropropane

Concen: 23.87 ug/l

RT: 9.66 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

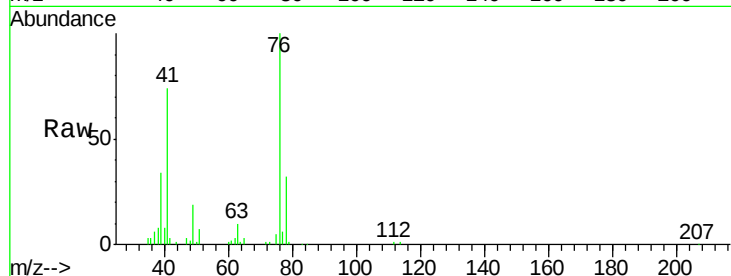
VD0608SBS02

Tot Ion: 76 Resp: 218745

Ion Ratio Lower Upper

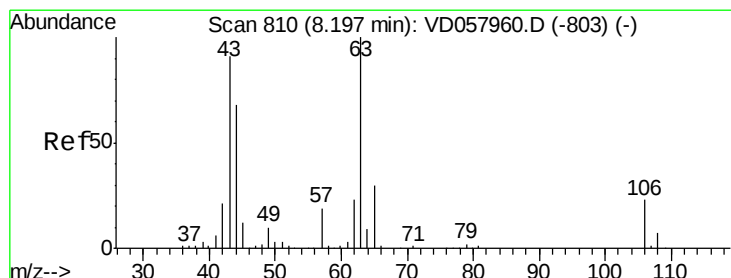
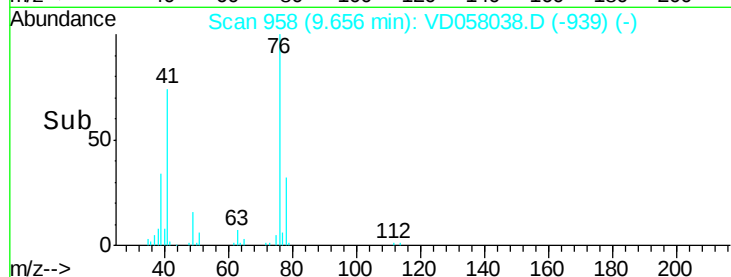
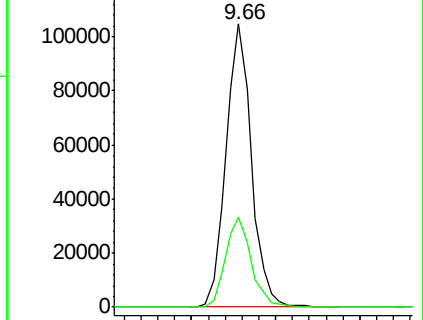
76 100

78 31.9 25.4 38.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 120.81 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD058038.D

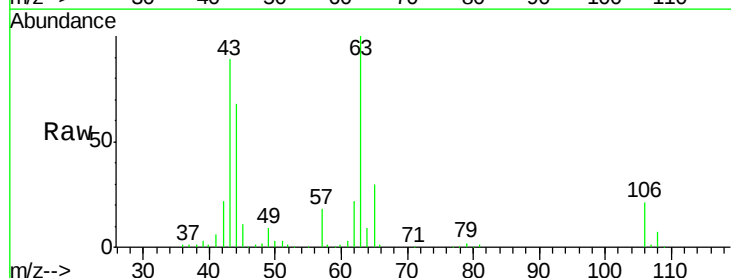
Acq: 9 Jun 2018 2:38

Tgt Ion: 63 Resp: 391133

Ion Ratio Lower Upper

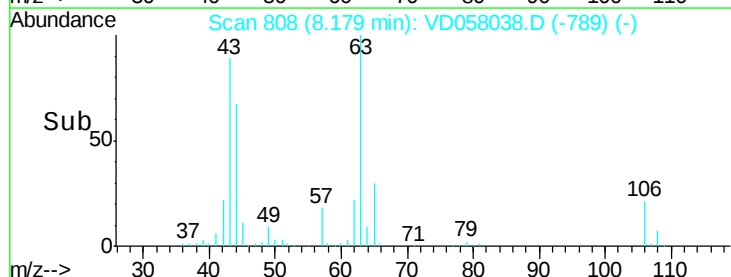
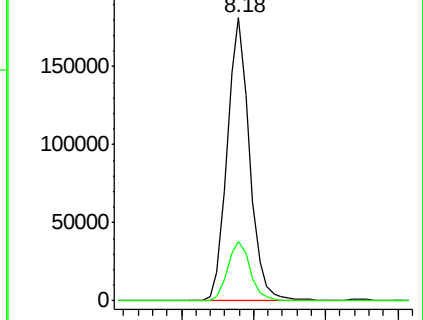
63 100

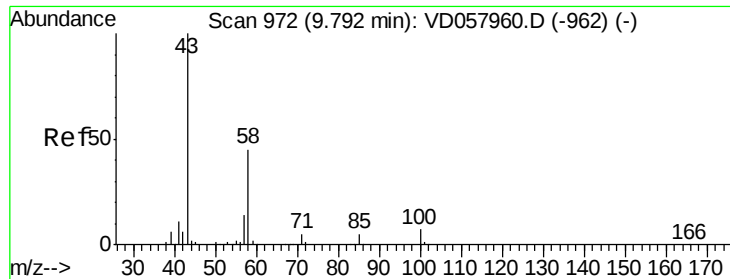
106 21.0 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

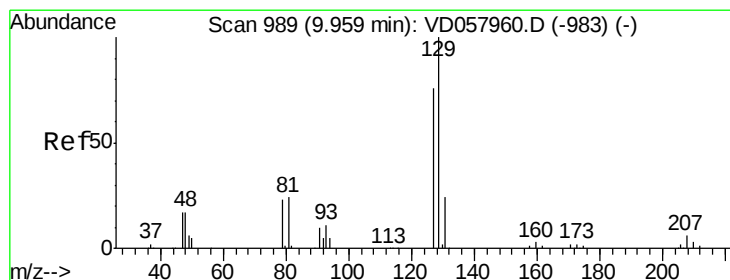
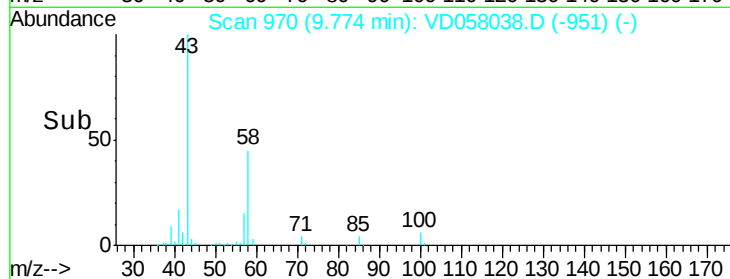
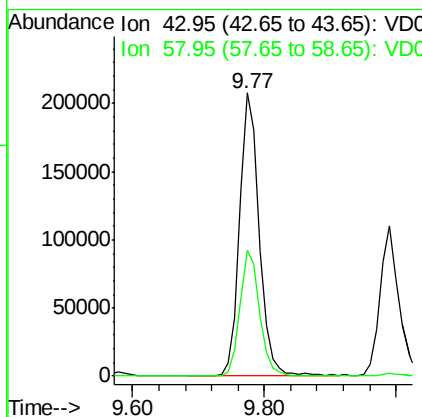
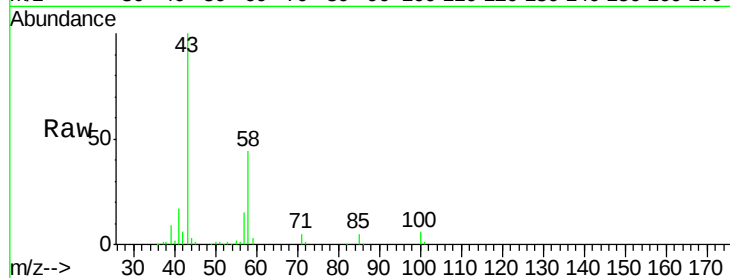




#59
2-Hexanone
Concen: 108.27 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

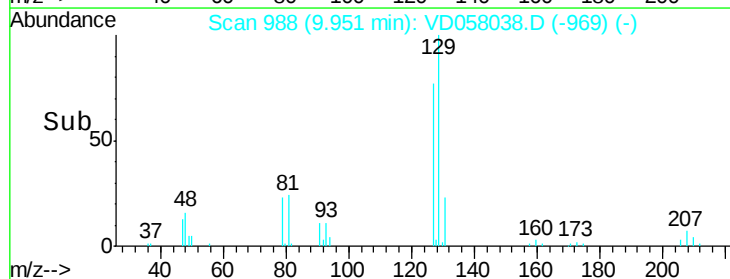
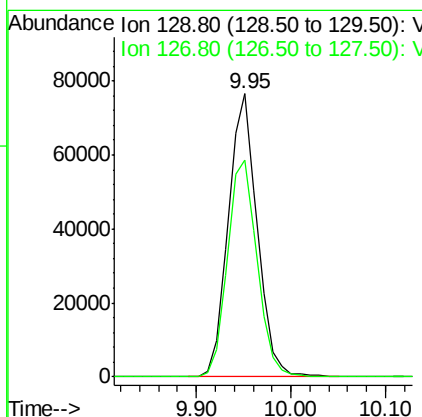
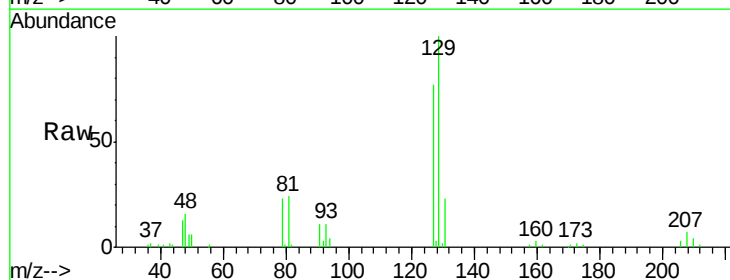
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS02

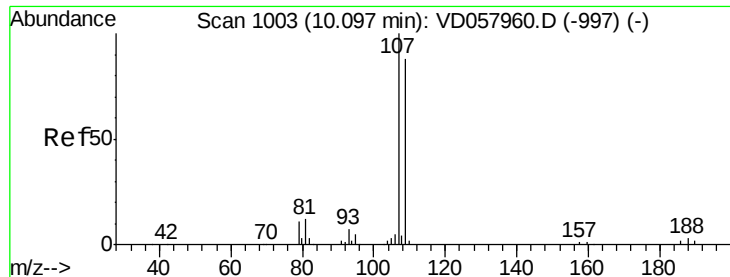
Tot Ion: 43 Resp: 437934
Ion Ratio Lower Upper
43 100
58 44.4 22.5 67.5



#60
Dibromochloromethane
Concen: 21.92 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Tgt Ion: 129 Resp: 161488
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.8

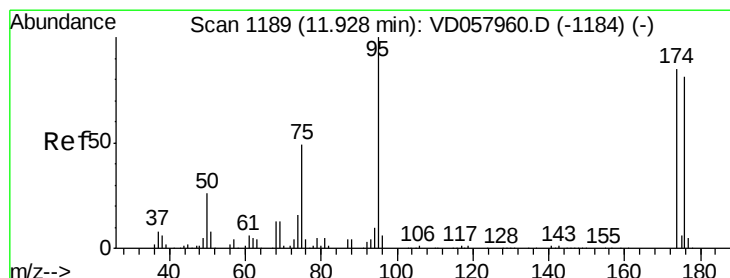
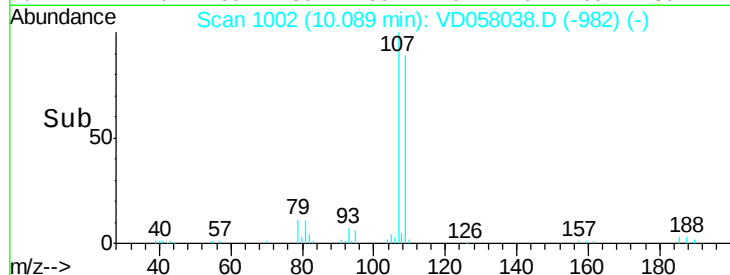
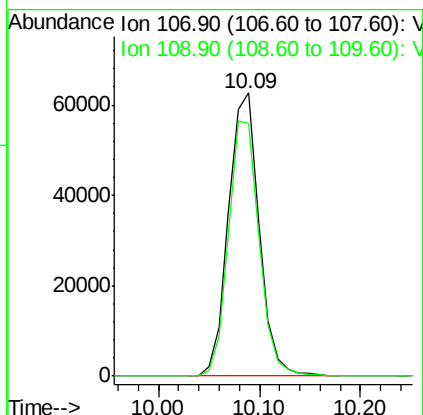
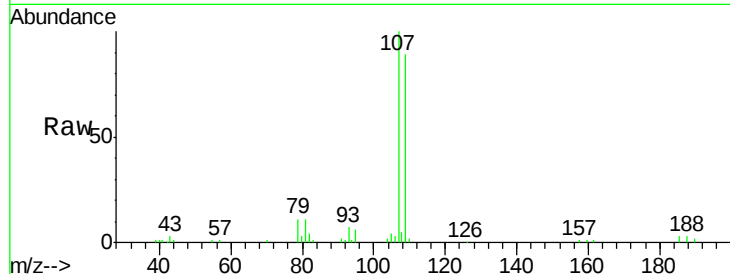




#61
 1,2-Dibromoethane
 Concen: 22.03 ug/l
 RT: 10.09 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

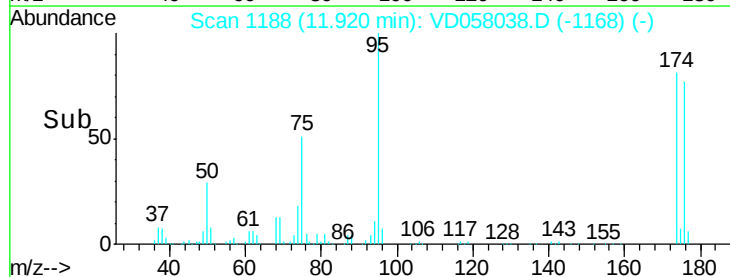
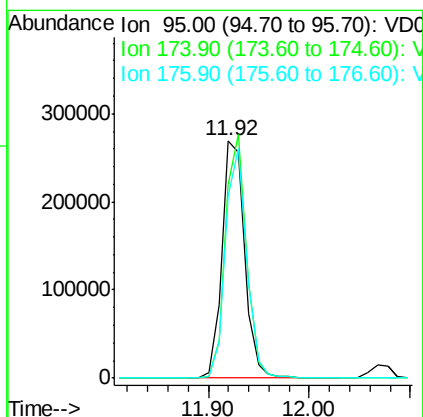
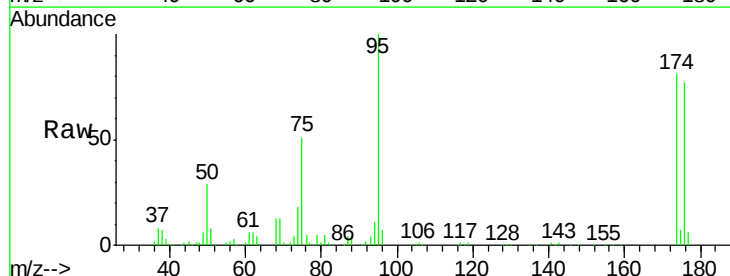
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS02

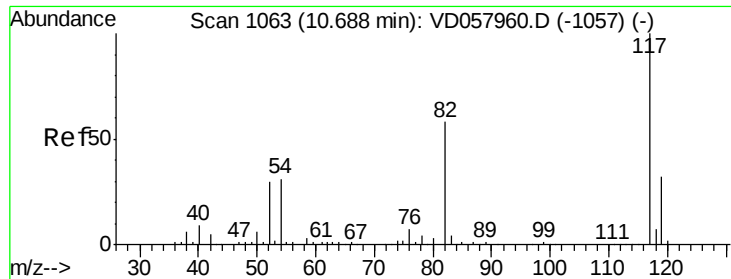
Tot Ion:107 Resp: 132365
 Ion Ratio Lower Upper
 107 100
 109 89.4 70.6 106.0



#62
 4-Bromofluorobenzene
 Concen: 22.03 ug/l
 RT: 11.92 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

Tgt Ion: 95 Resp: 422828
 Ion Ratio Lower Upper
 95 100
 174 81.3 0.0 169.4
 176 76.7 0.0 162.6

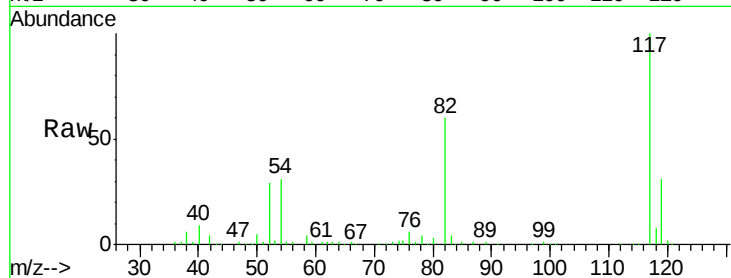




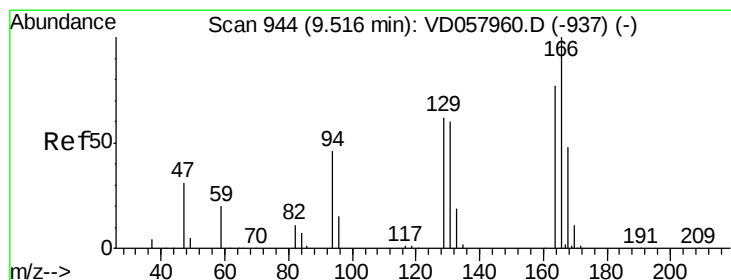
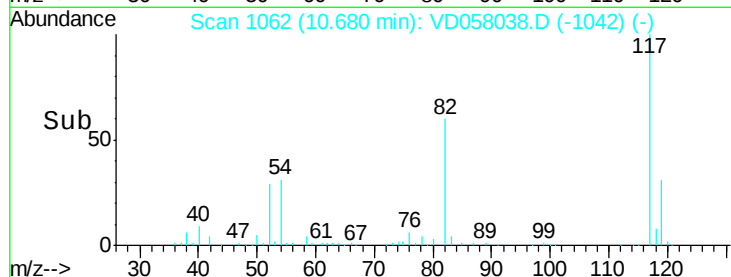
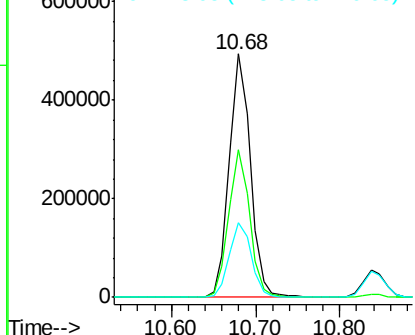
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS02

Tot Ion:117 Resp: 869715
Ion Ratio Lower Upper
117 100
82 60.5 46.8 70.2
119 30.6 25.8 38.6

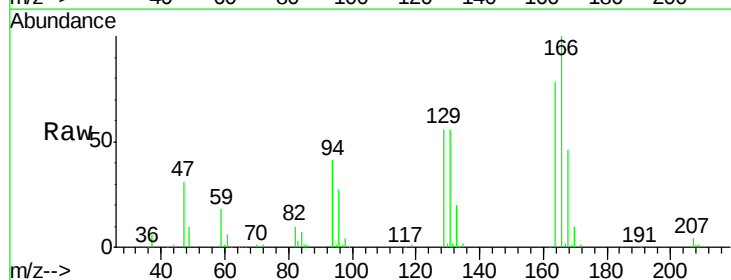


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

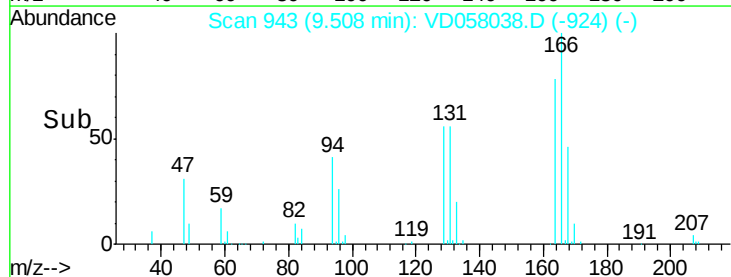
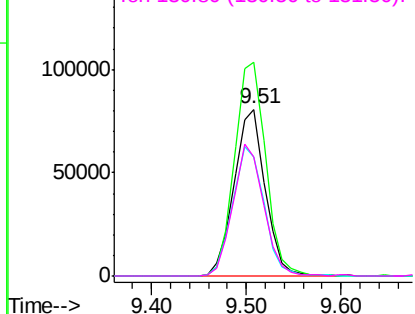


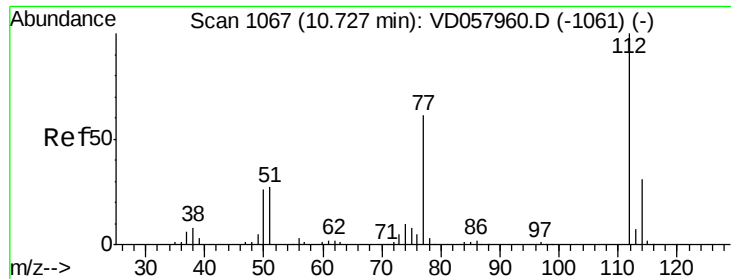
#64
Tetrachloroethene
Concen: 23.64 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Tgt Ion:164 Resp: 183790
Ion Ratio Lower Upper
164 100
166 128.1 104.4 156.6
129 71.6 65.0 97.6
131 71.3 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

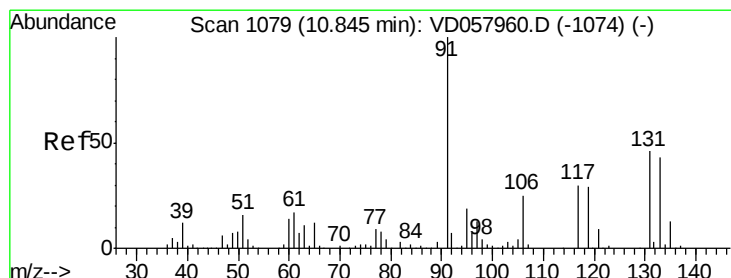
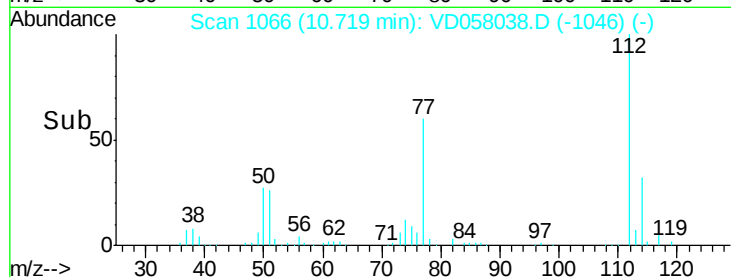
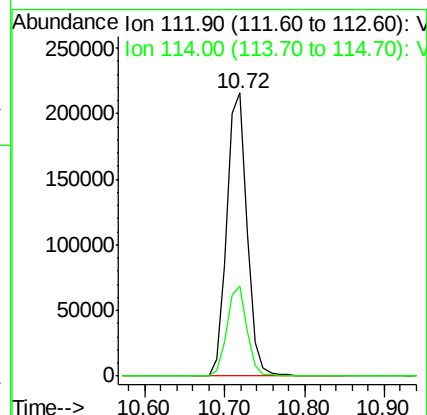
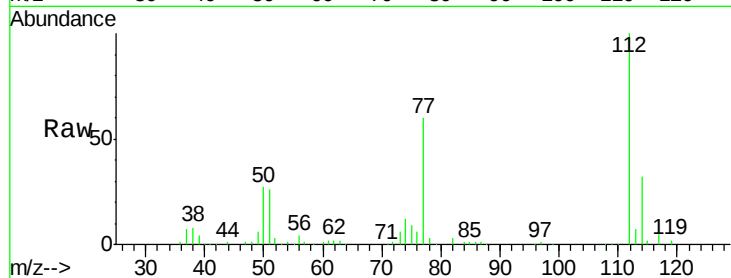




#65
Chlorobenzene
Concen: 22.21 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

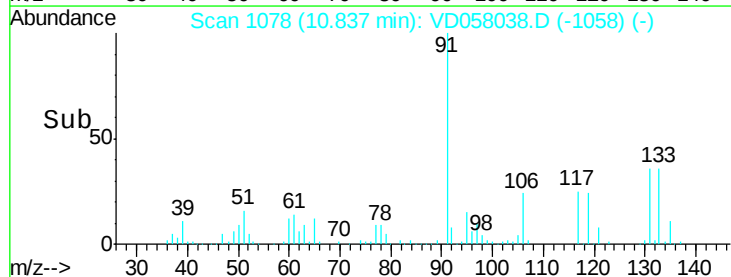
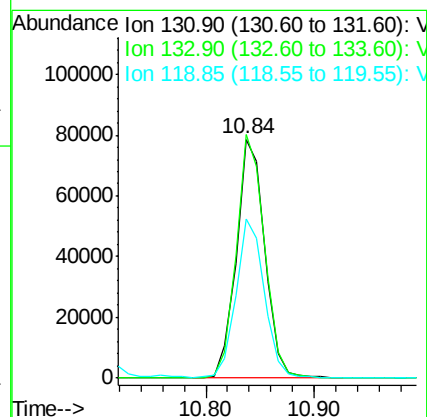
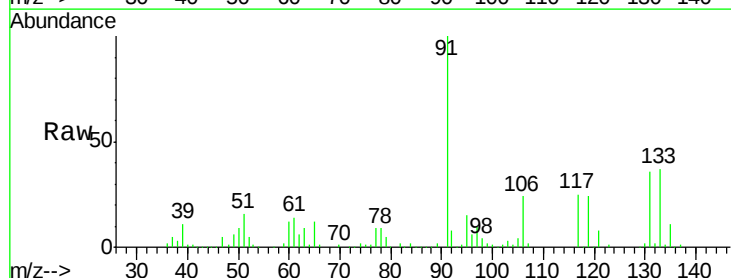
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS02

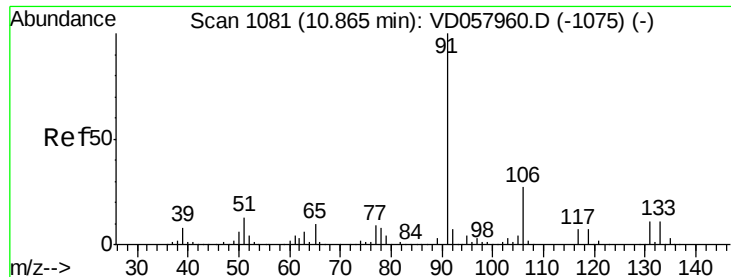
Tot Ion:112 Resp: 390988
Ion Ratio Lower Upper
112 100
114 31.8 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.17 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Tgt Ion:131 Resp: 143177
Ion Ratio Lower Upper
131 100
133 101.8 46.9 140.6
119 66.4 31.8 95.3





#67

Ethyl Benzene

Concen: 22.69 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

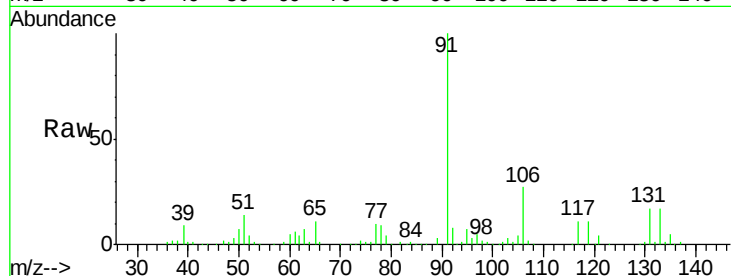
VD0608SBS02

Tot Ion: 91 Resp: 721736

Ion Ratio Lower Upper

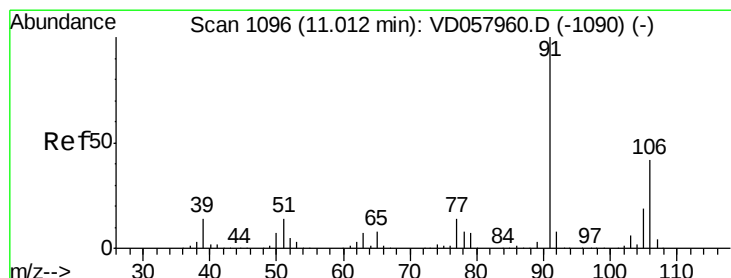
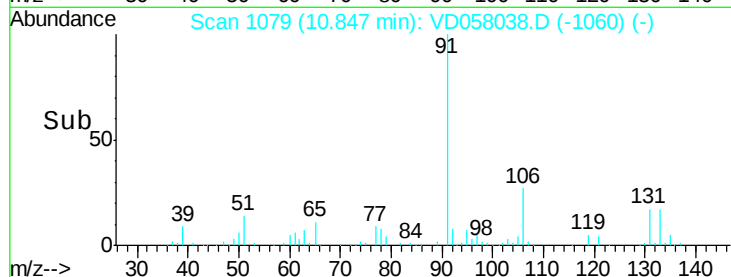
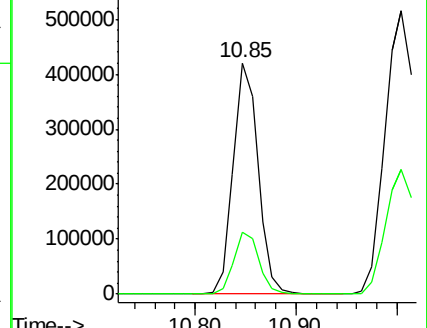
91 100

106 27.0 21.5 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 46.36 ug/l

RT: 11.00 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VD058038.D

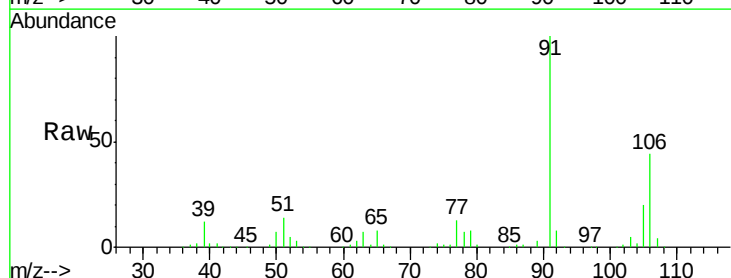
Acq: 9 Jun 2018 2:38

Tgt Ion: 106 Resp: 480700

Ion Ratio Lower Upper

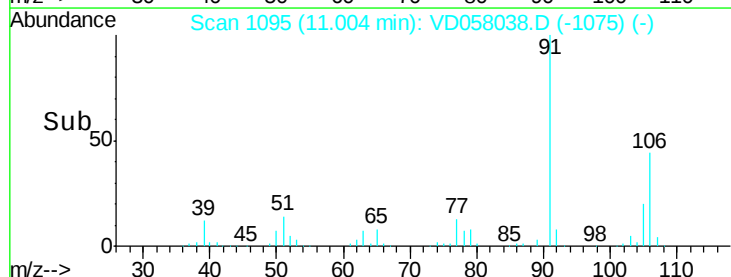
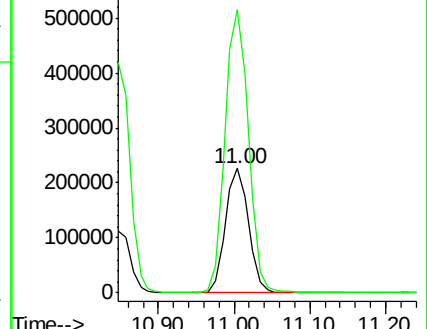
106 100

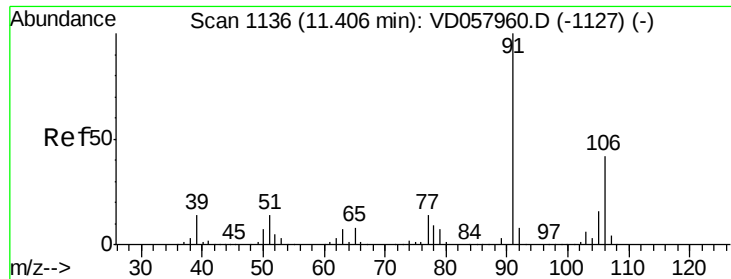
91 228.0 190.4 285.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

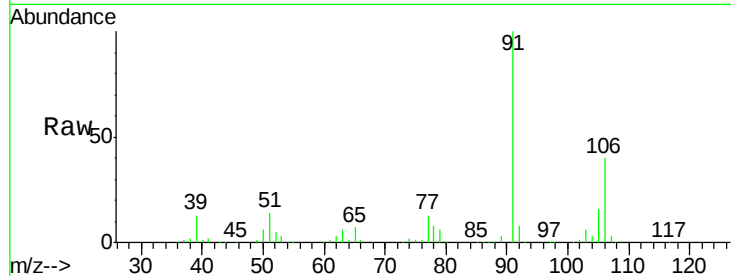




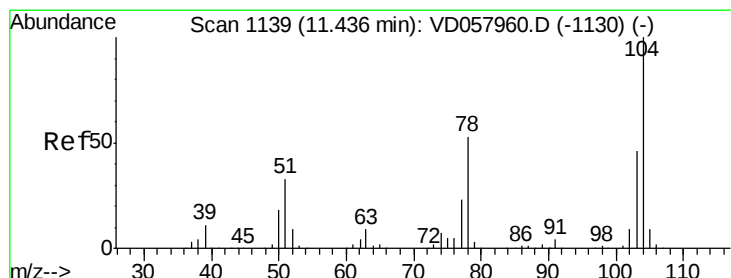
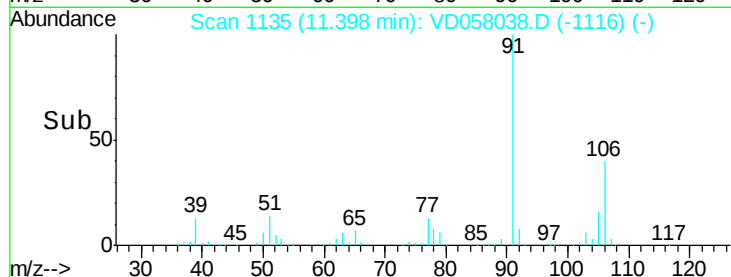
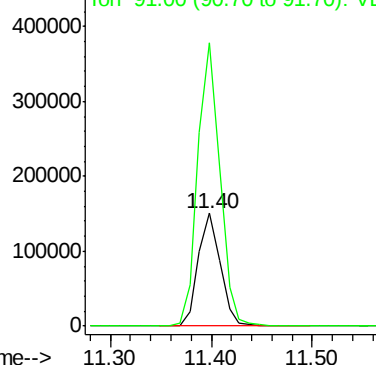
#69
o-Xylene
Concen: 22.53 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS02

Tot Ion:106 Resp: 231929
Ion Ratio Lower Upper
106 100
91 250.7 120.6 361.7

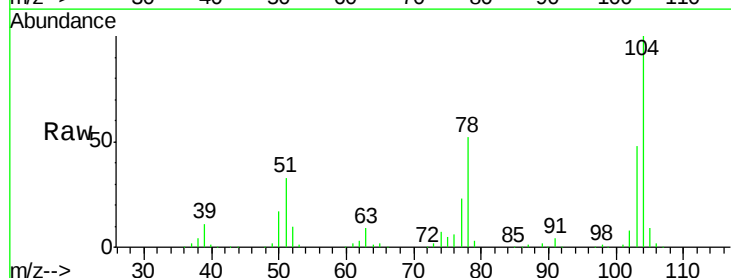


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

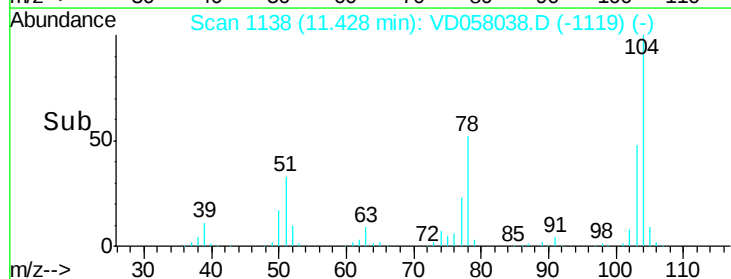
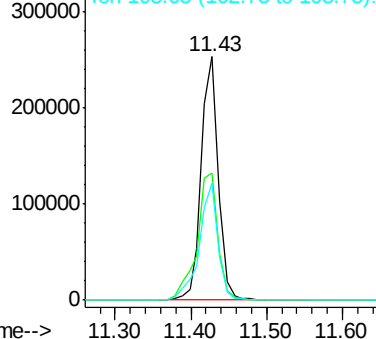


#70
Styrene
Concen: 22.97 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Tgt Ion:104 Resp: 391333
Ion Ratio Lower Upper
104 100
78 52.1 42.1 63.1
103 47.9 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

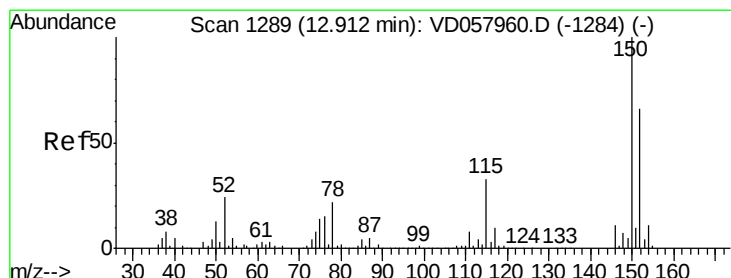
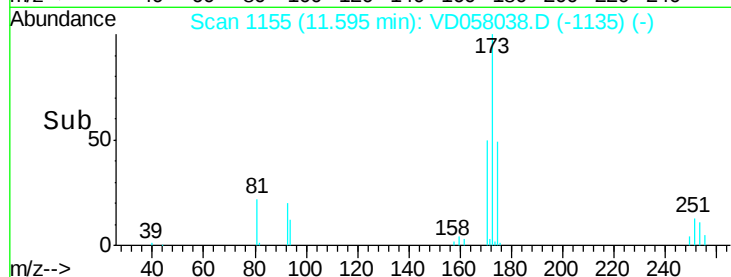
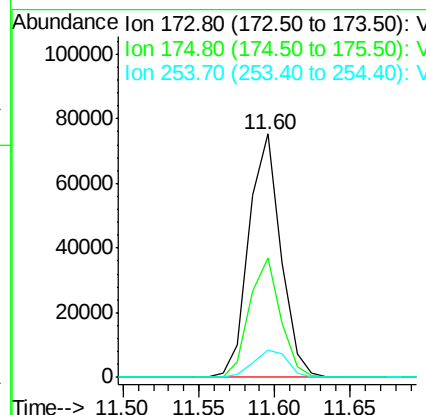
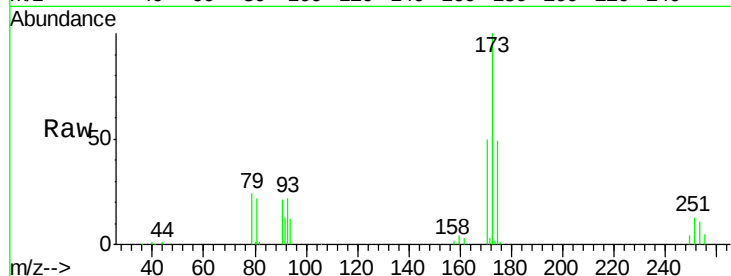




#71
Bromoform
Concen: 21.70 ug/l
RT: 11.60 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

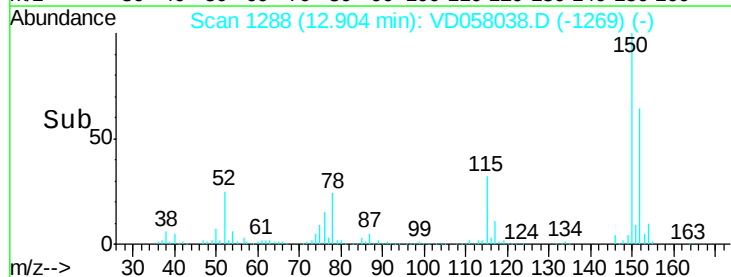
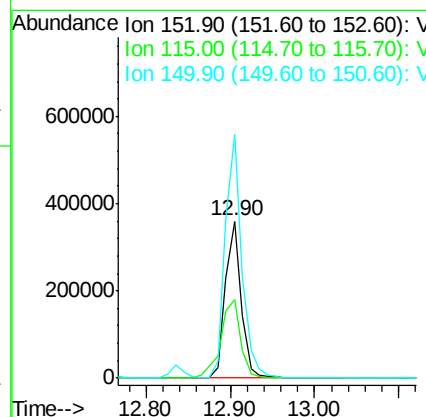
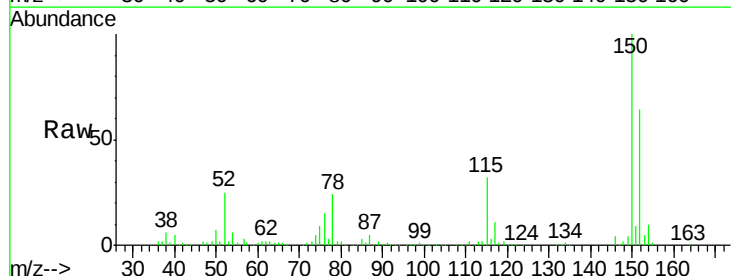
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS02

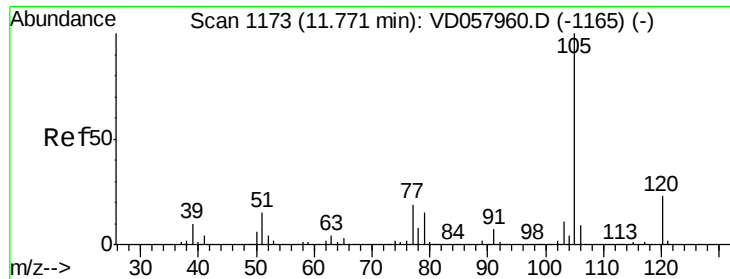
Tot Ion:173 Resp: 110415
Ion Ratio Lower Upper
173 100
175 49.0 25.1 75.2
254 11.2 10.7 16.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Tgt Ion:152 Resp: 469028
Ion Ratio Lower Upper
152 100
115 50.0 25.6 76.6
150 155.1 0.0 306.8





#73

Isopropylbenzene

Concen: 21.34 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

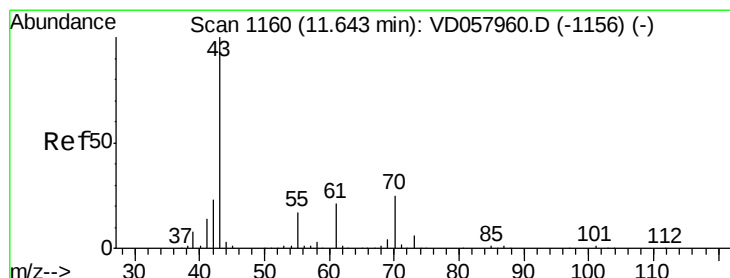
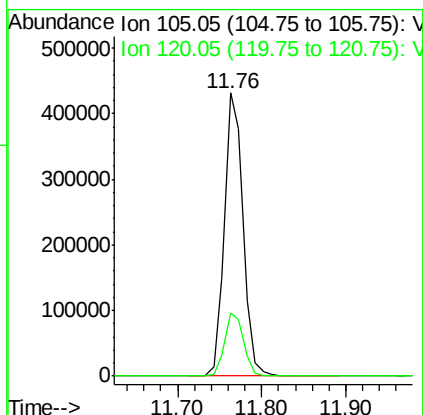
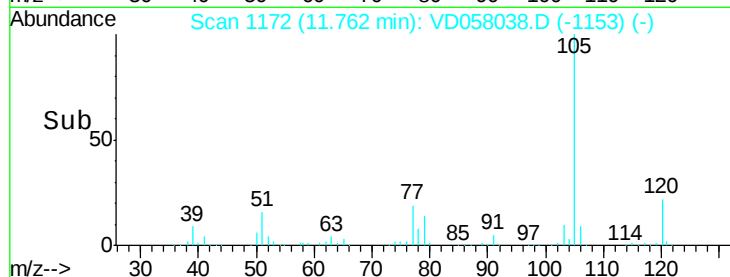
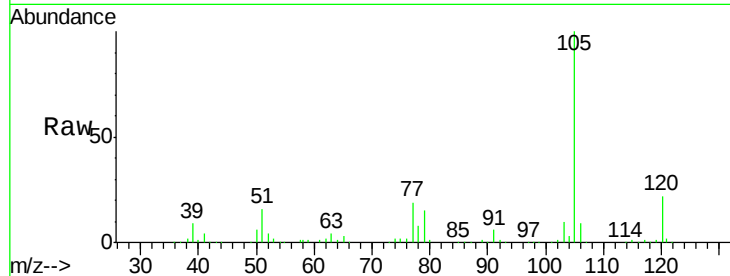
VD0608SBS02

Tot Ion:105 Resp: 662833

Ion Ratio Lower Upper

105 100

120 22.4 11.3 33.9



#74

N-ethyl acetate

Concen: 20.13 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Tgt Ion: 43 Resp: 241336

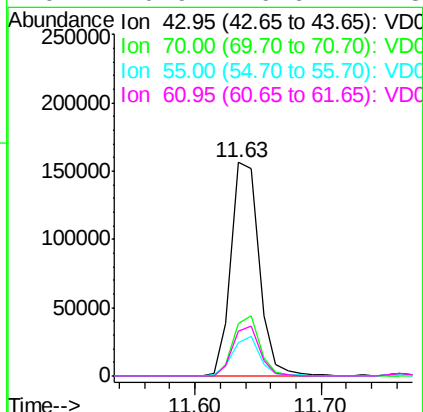
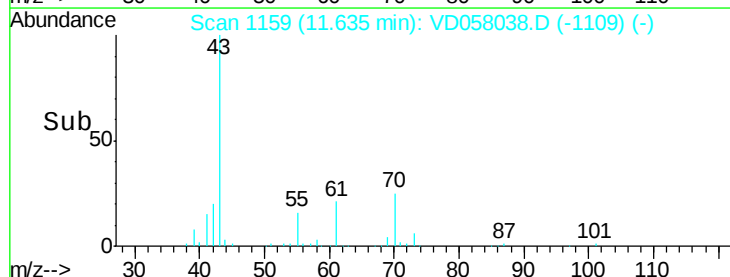
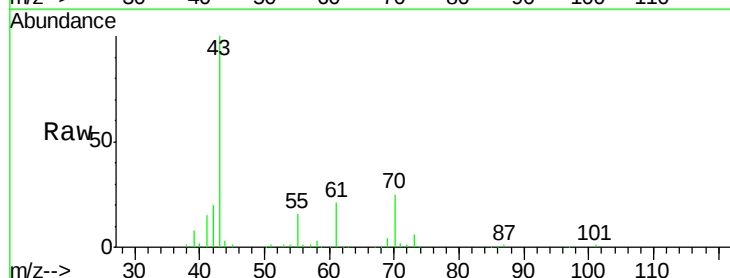
Ion Ratio Lower Upper

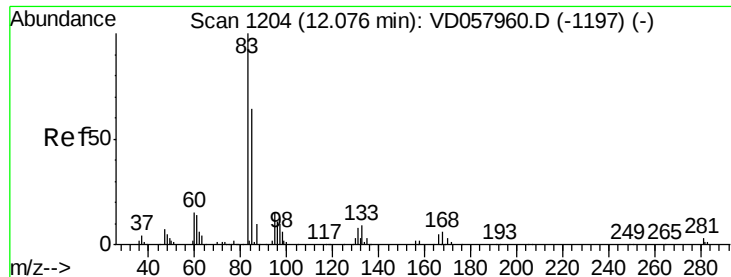
43 100

70 24.7 20.3 30.5

55 15.8 13.9 20.9

61 20.9 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.71 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS02

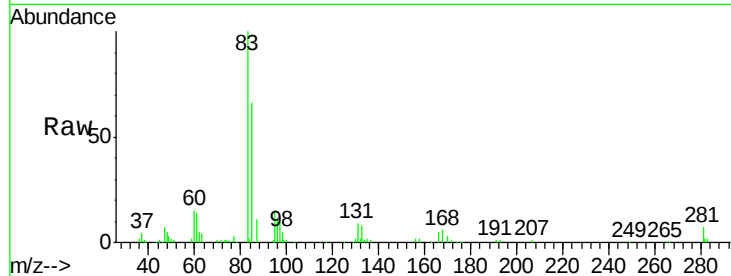
Tot Ion: 83 Resp: 147029

Ion Ratio Lower Upper

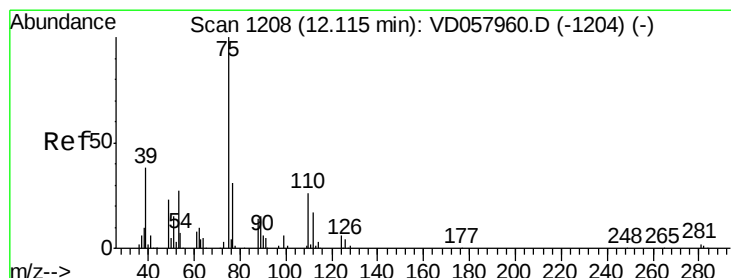
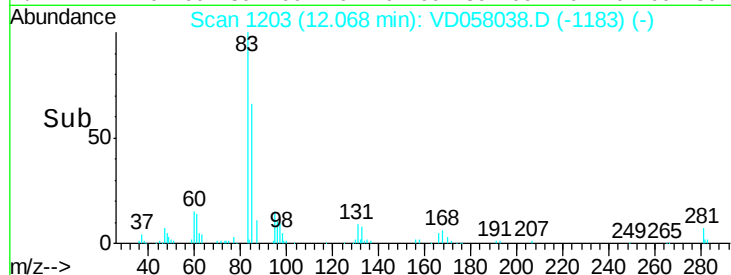
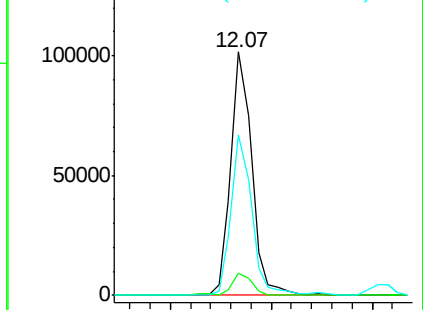
83 100

131 9.2 4.2 12.6

85 65.7 31.9 95.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.47 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD058038.D

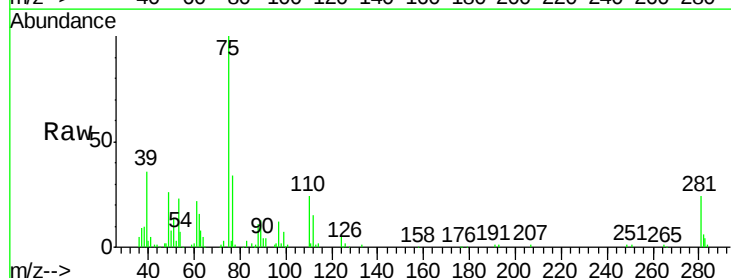
Acq: 9 Jun 2018 2:38

Tgt Ion: 75 Resp: 158291

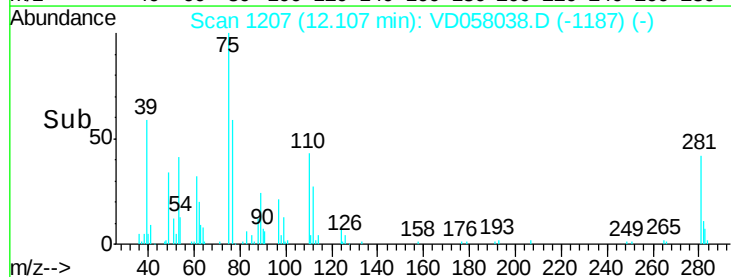
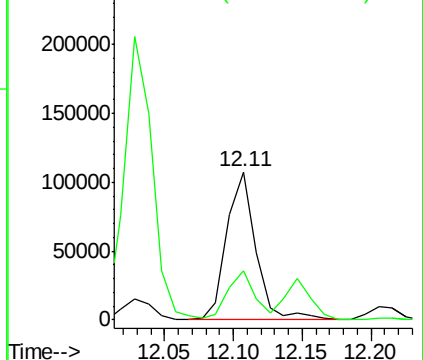
Ion Ratio Lower Upper

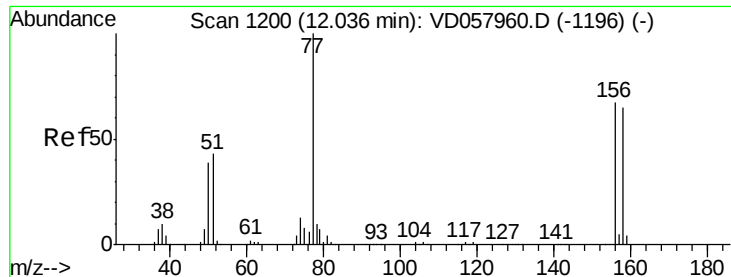
75 100

77 33.7 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.72 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS02

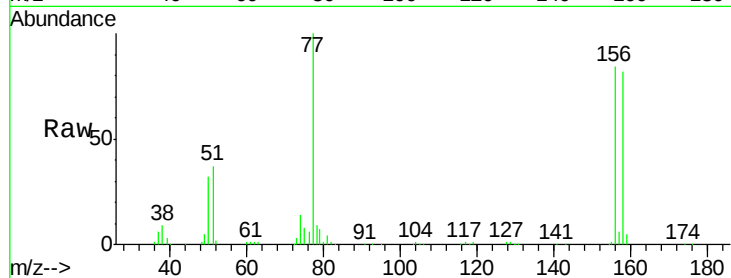
Tot Ion:156 Resp: 199761

Ion Ratio Lower Upper

156 100

77 119.4 75.0 224.8

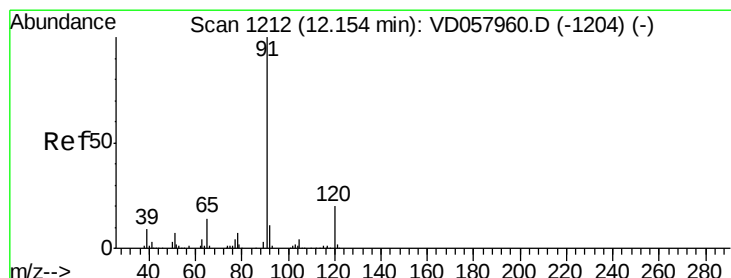
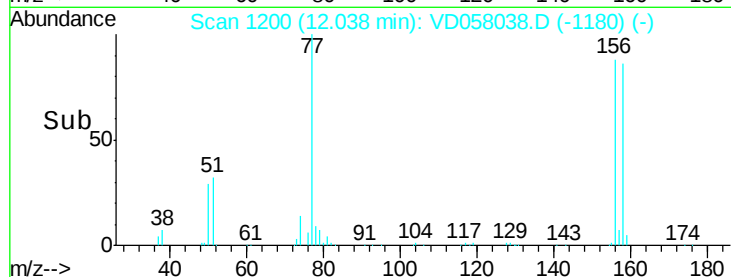
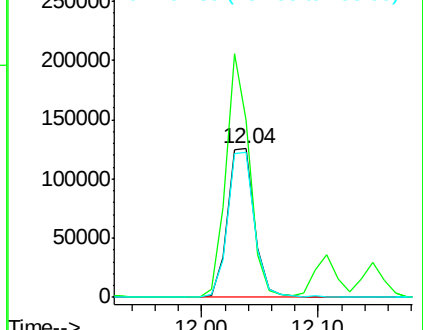
158 97.4 48.6 145.9



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: 21.82 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD058038.D

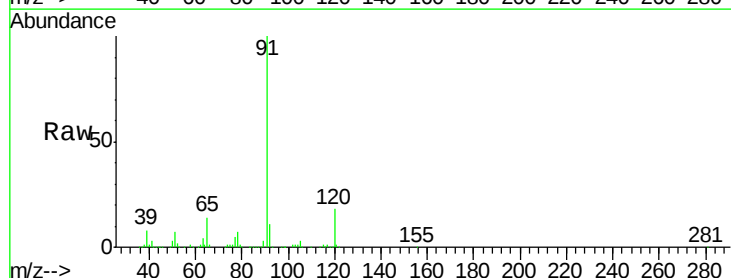
Acq: 9 Jun 2018 2:38

Tgt Ion: 91 Resp: 882030

Ion Ratio Lower Upper

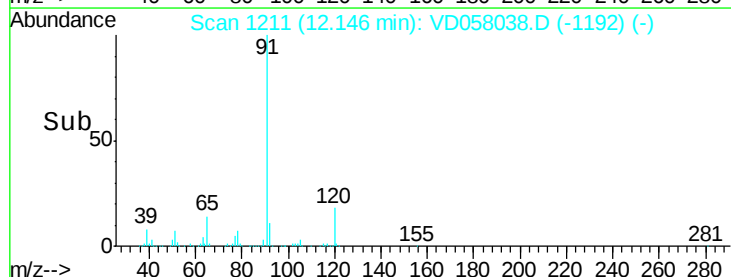
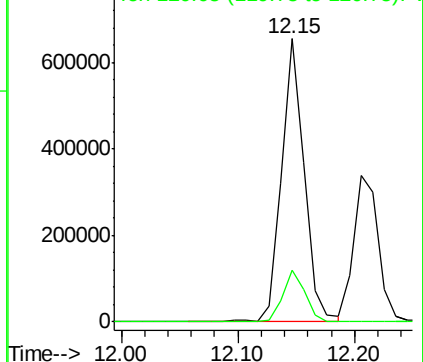
91 100

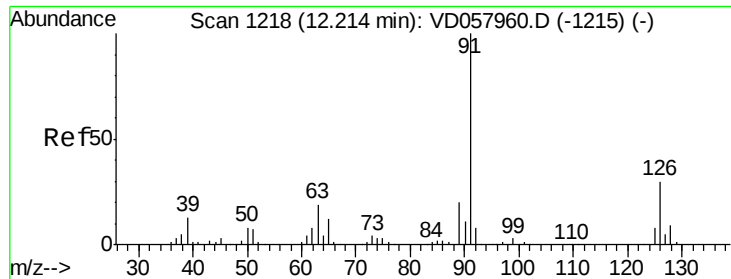
120 18.3 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.36 ug/l

RT: 12.21 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

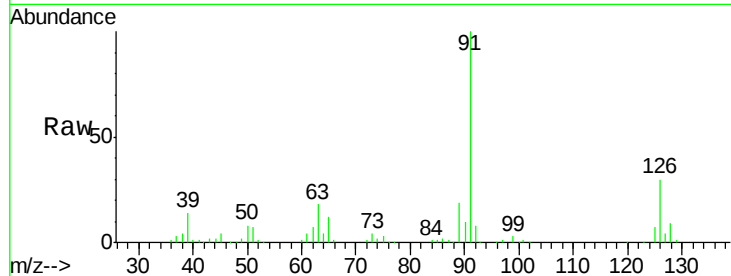
VD0608SBS02

Tot Ion: 91 Resp: 492630

Ion Ratio Lower Upper

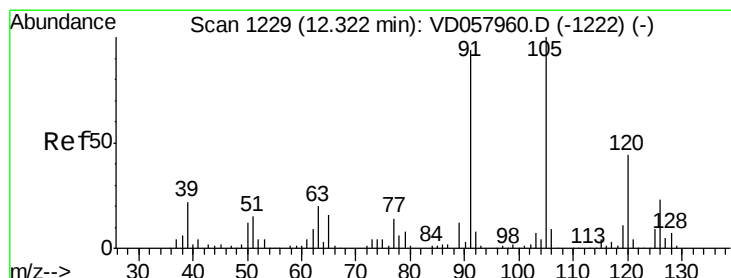
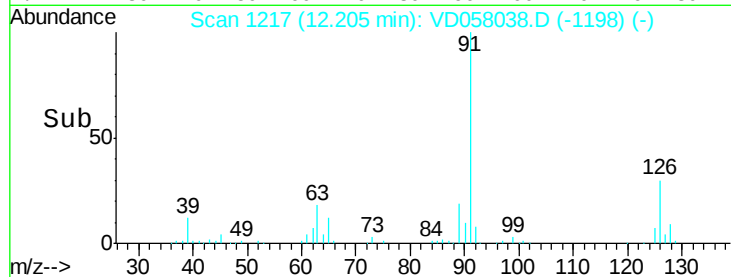
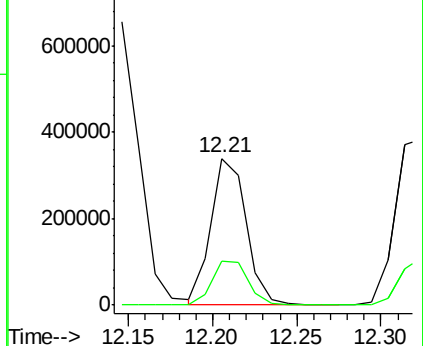
91 100

126 29.7 14.6 44.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.89 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VD058038.D

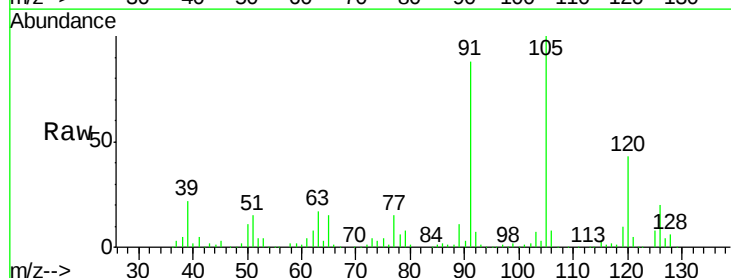
Acq: 9 Jun 2018 2:38

Tgt Ion: 105 Resp: 554510

Ion Ratio Lower Upper

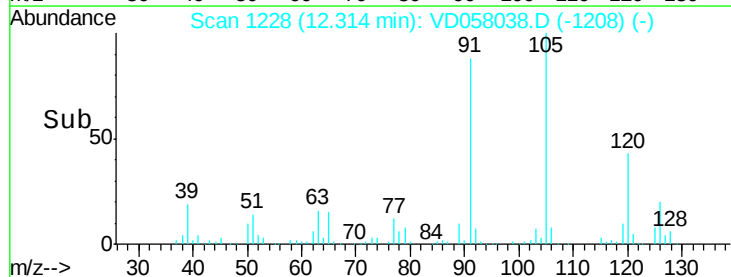
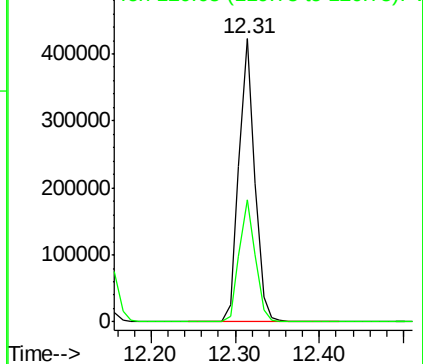
105 100

120 43.0 22.0 66.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.27 ug/l

RT: 11.83 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS02

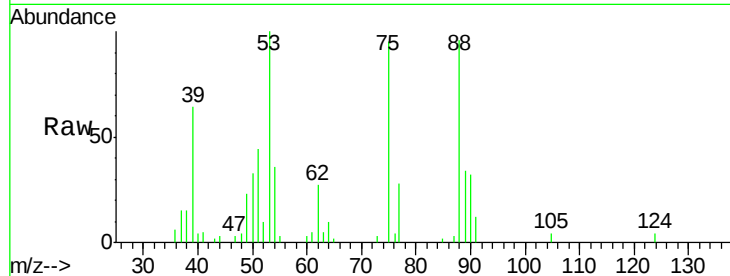
Tot Ion: 75 Resp: 35377

Ion	Ratio	Lower	Upper
75	100		
53	105.2	89.3	133.9
89	35.4	33.3	49.9

75 100

53 105.2 89.3 133.9

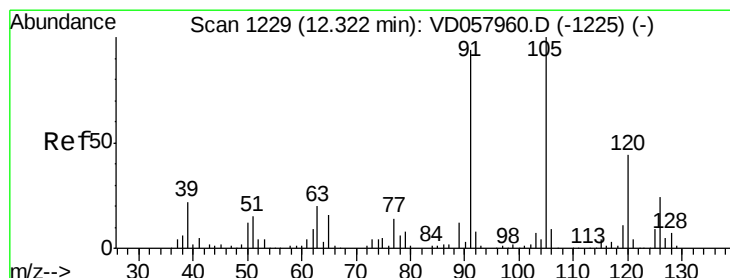
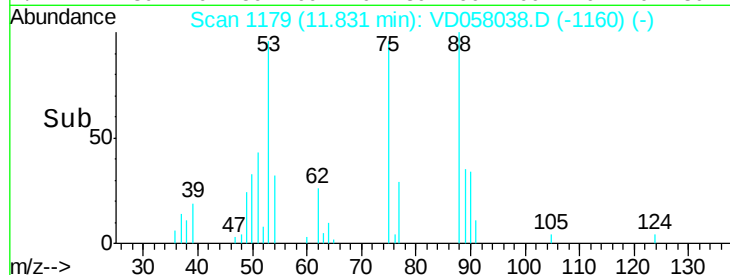
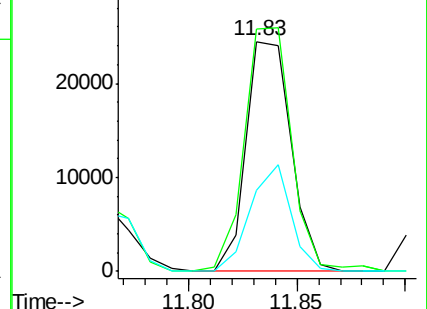
89 35.4 33.3 49.9



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: 24.64 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058038.D

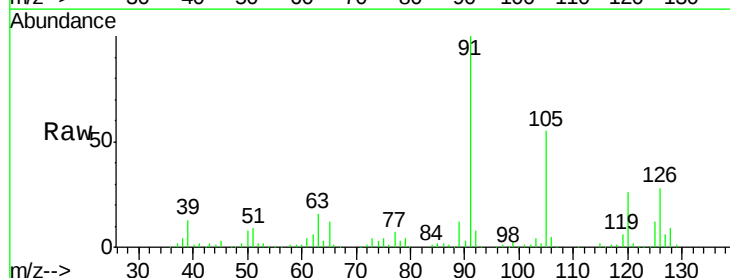
Acq: 9 Jun 2018 2:38

Tgt Ion: 91 Resp: 588793

Ion	Ratio	Lower	Upper
91	100		
126	28.4	12.5	37.5

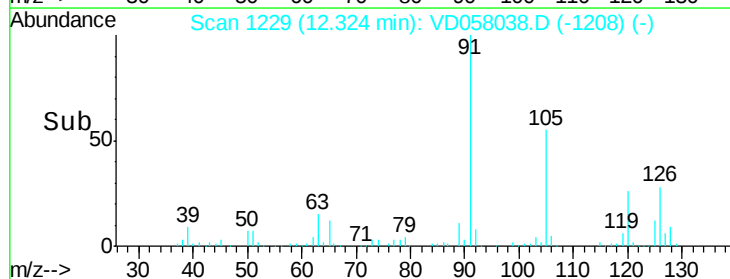
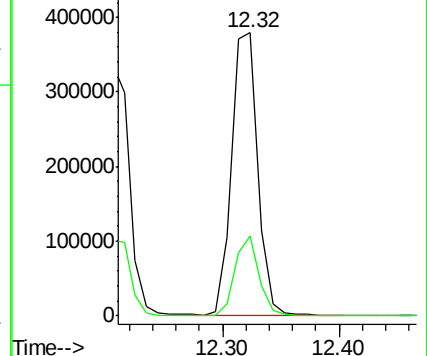
91 100

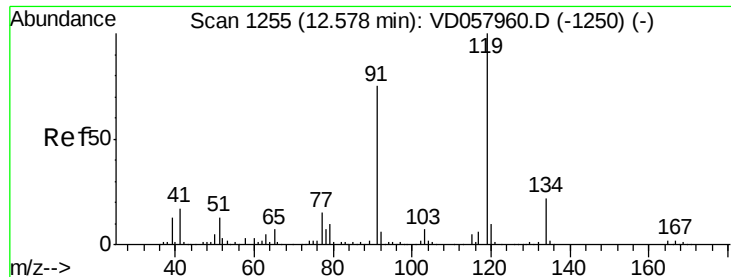
126 28.4 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

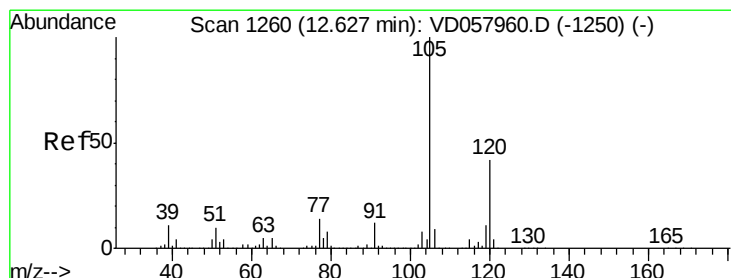
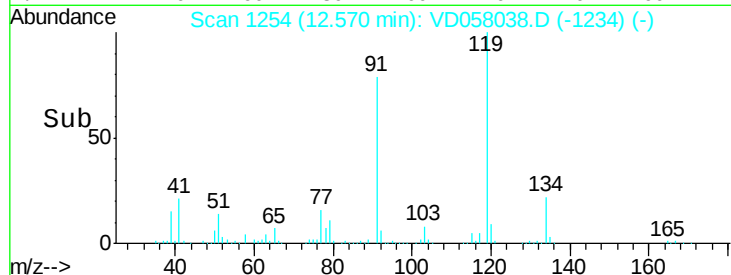
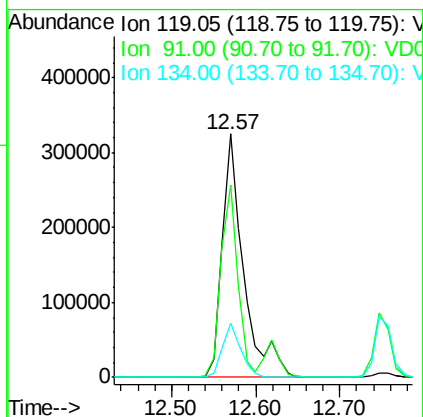
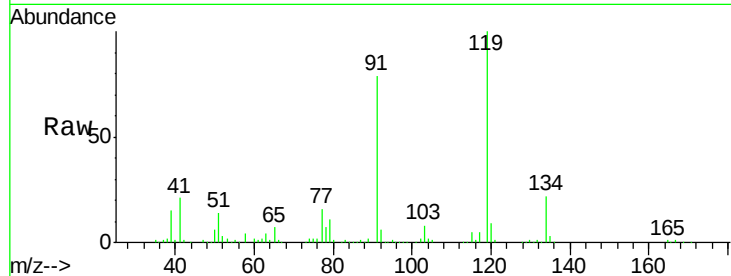




#83
tert-Butylbenzene
Concen: 21.03 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

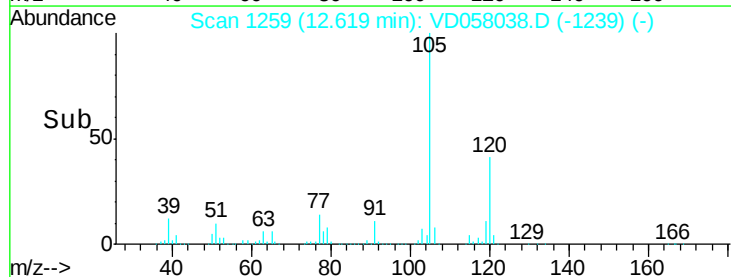
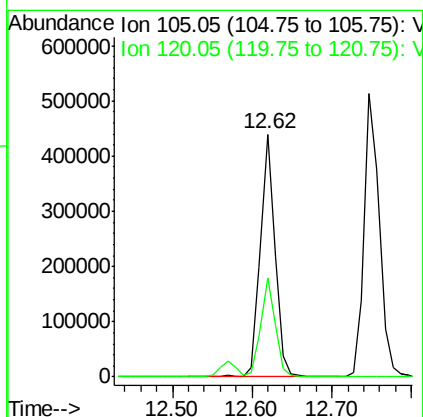
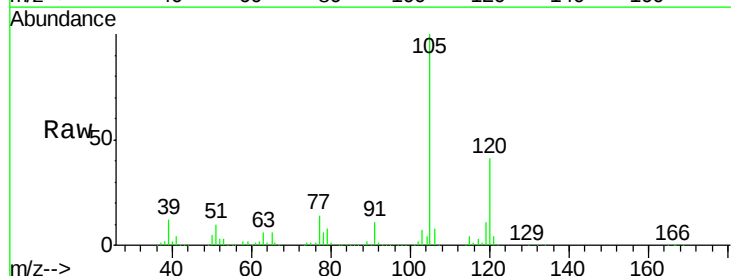
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS02

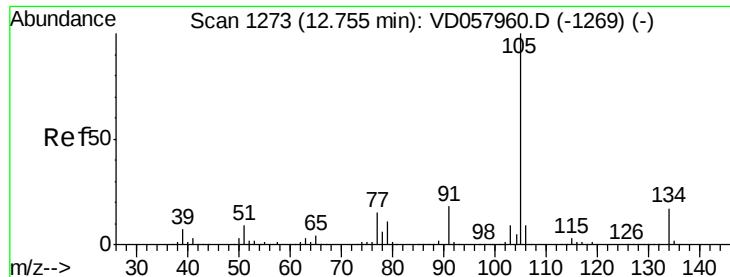
Tot Ion:119 Resp: 575268
Ion Ratio Lower Upper
119 100
91 79.0 37.6 112.9
134 22.4 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 21.10 ug/l
RT: 12.62 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Tgt Ion:105 Resp: 549739
Ion Ratio Lower Upper
105 100
120 40.7 21.2 63.6





#85

sec-Butylbenzene

Concen: 20.45 ug/l

RT: 12.75 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

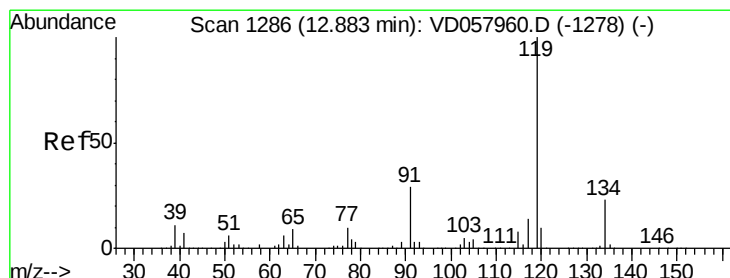
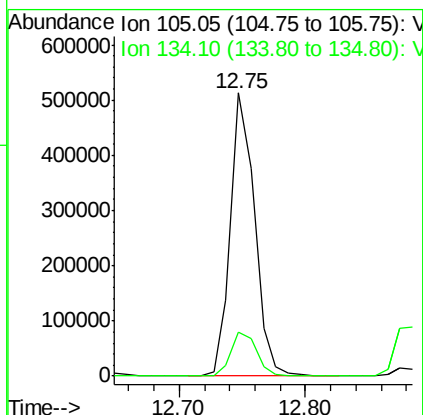
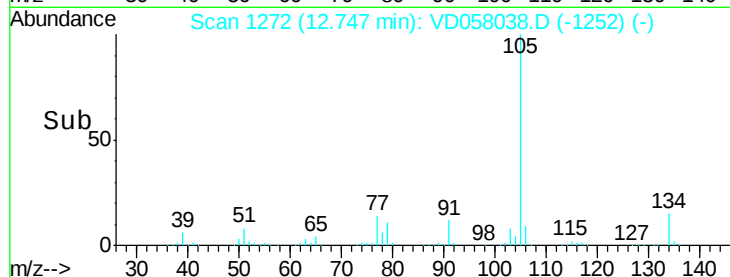
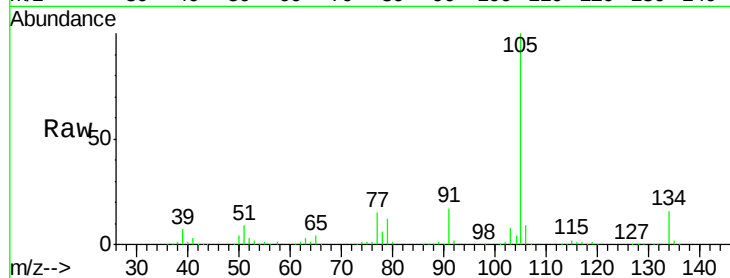
VD0608SBS02

Tot Ion:105 Resp: 675184

Ion Ratio Lower Upper

105 100

134 15.7 8.3 25.1



#86

p-Isopropyltoluene

Concen: 19.76 ug/l

RT: 12.87 min Scan# 1285

Delta R.T. -0.01 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

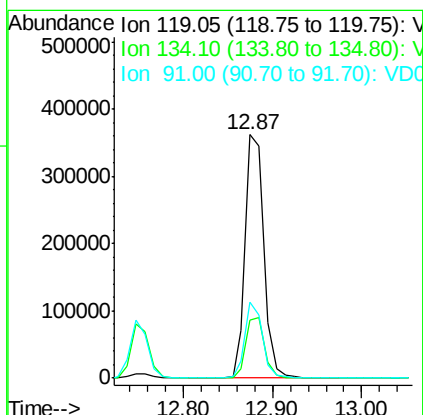
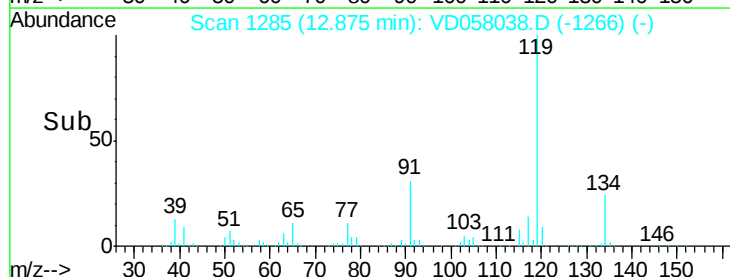
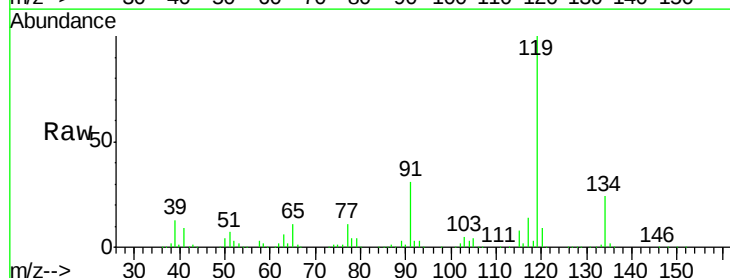
Tgt Ion:119 Resp: 525796

Ion Ratio Lower Upper

119 100

134 23.8 11.5 34.4

91 31.4 14.5 43.6

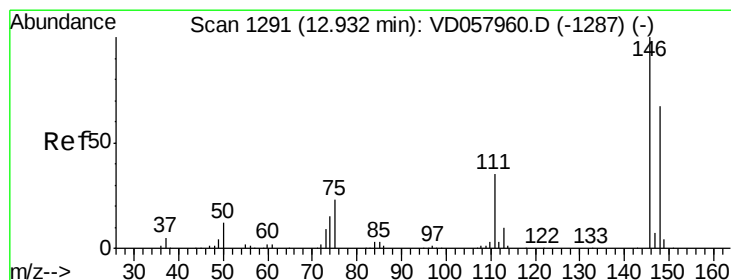
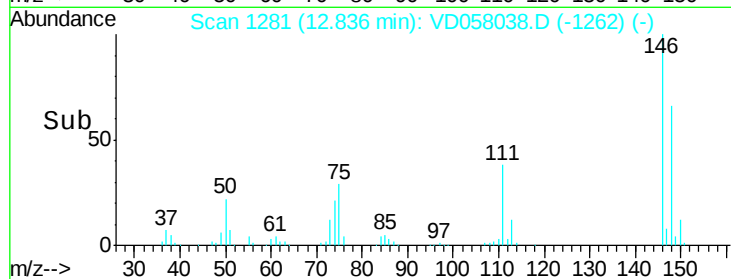
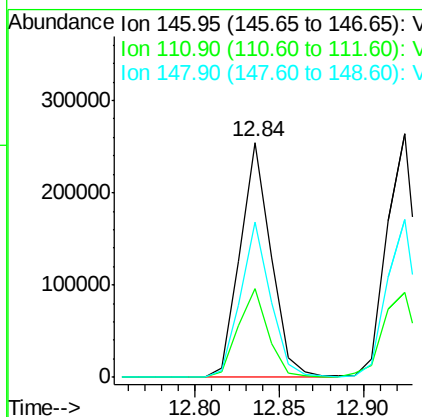
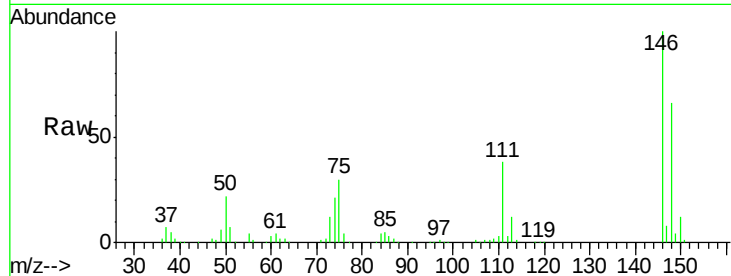




#87
 1,3-Dichlorobenzene
 Concen: 20.86 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

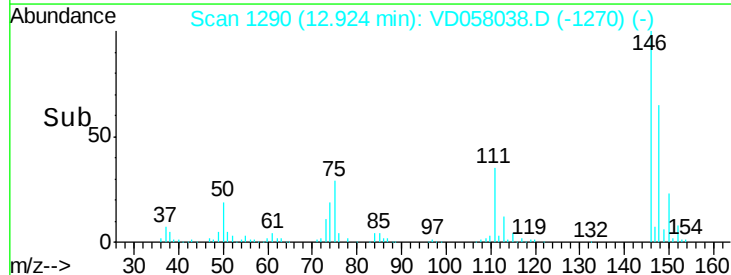
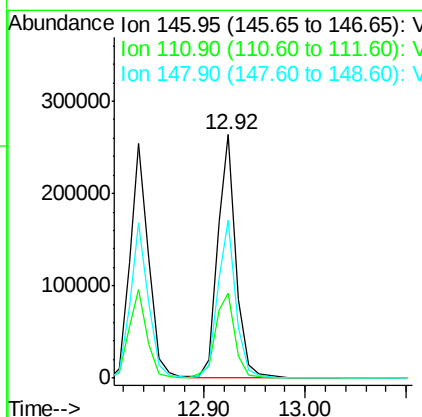
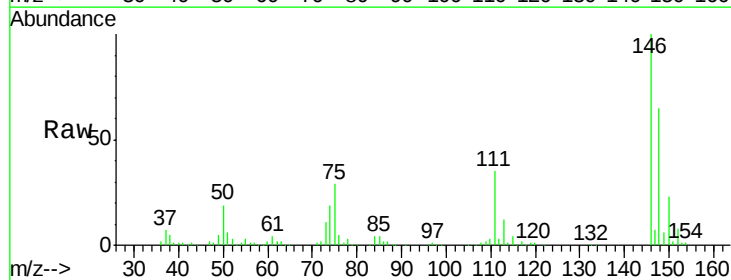
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS02

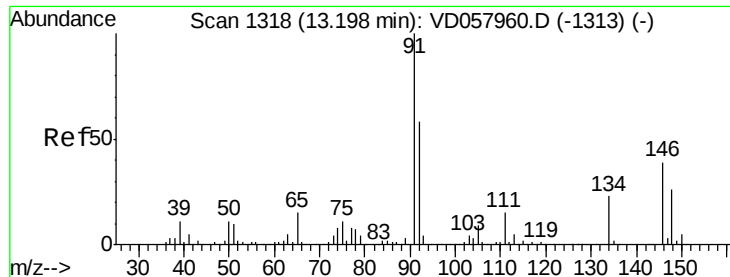
Tot Ion:146 Resp: 324446
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.3
 148 65.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 22.13 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

Tgt Ion:146 Resp: 335446
 Ion Ratio Lower Upper
 146 100
 111 35.0 17.3 52.0
 148 64.7 33.4 100.2

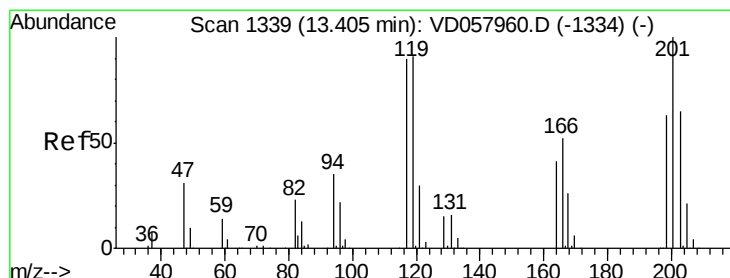
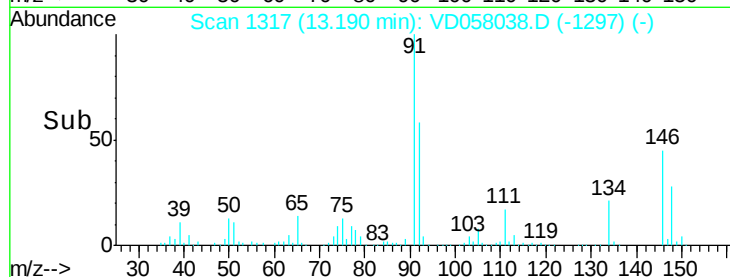
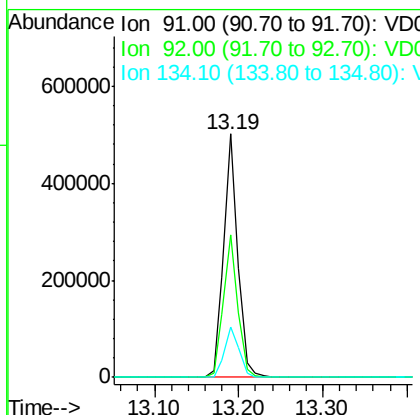
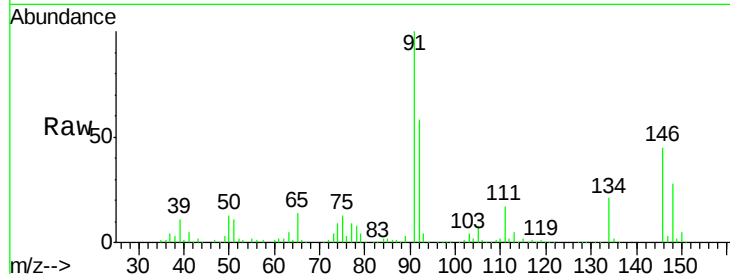




#89
n-Butylbenzene
Concen: 22.20 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

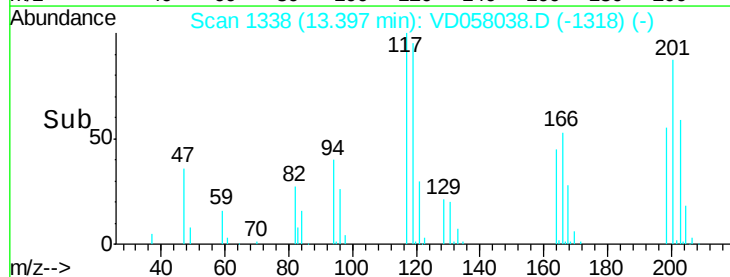
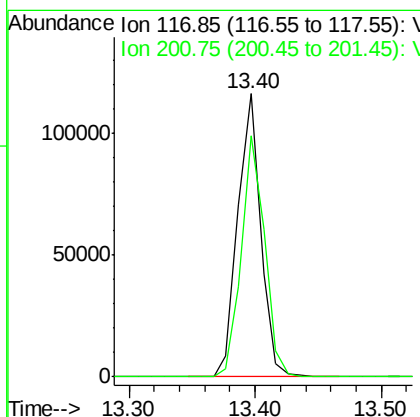
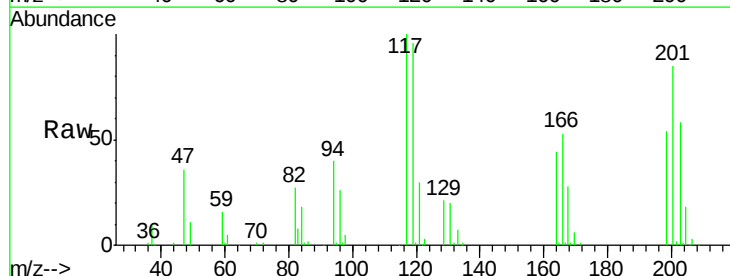
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS02

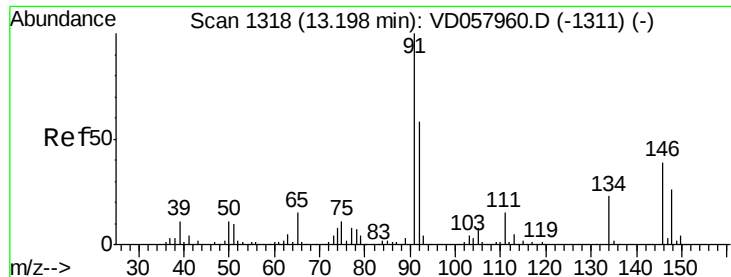
Tot Ion: 91 Resp: 590706
Ion Ratio Lower Upper
91 100
92 58.4 29.2 87.6
134 20.8 11.3 33.9



#90
Hexachloroethane
Concen: 21.39 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Tgt Ion: 117 Resp: 145293
Ion Ratio Lower Upper
117 100
201 85.3 55.4 166.0

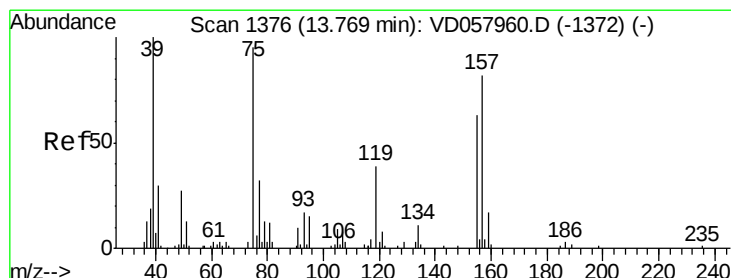
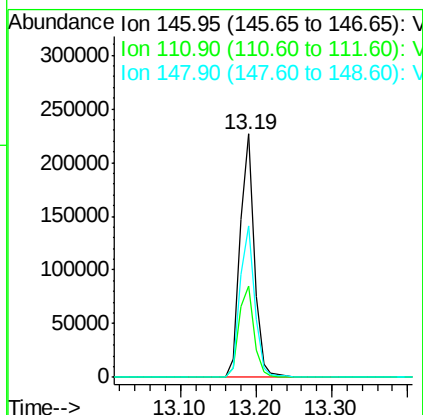
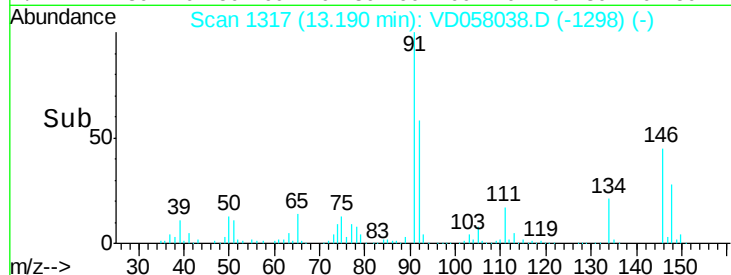
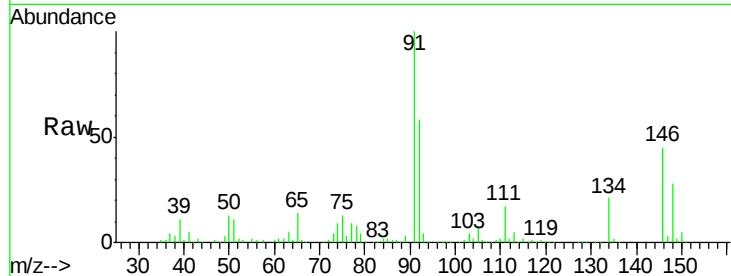




#91
 1,2-Dichlorobenzene
 Concen: 23.05 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

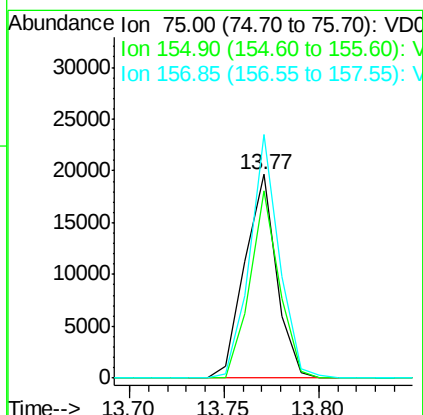
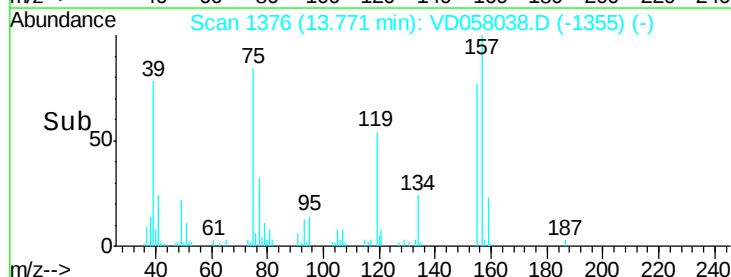
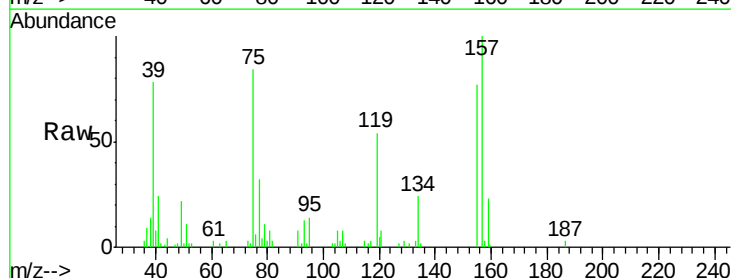
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS02

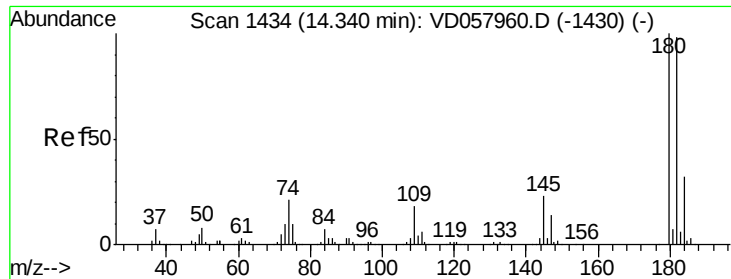
Tot Ion:146 Resp: 289791
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.4 58.2
 148 62.2 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.78 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

Tgt Ion: 75 Resp: 22771
 Ion Ratio Lower Upper
 75 100
 155 91.7 33.4 100.1
 157 119.5 42.9 128.5

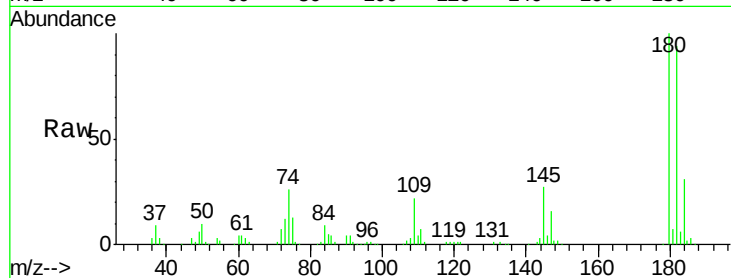




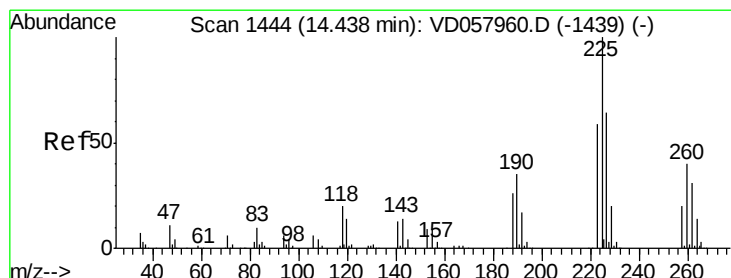
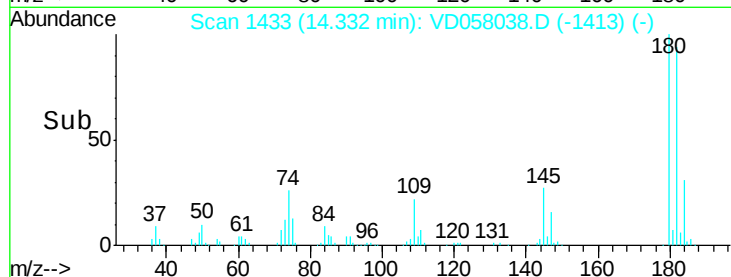
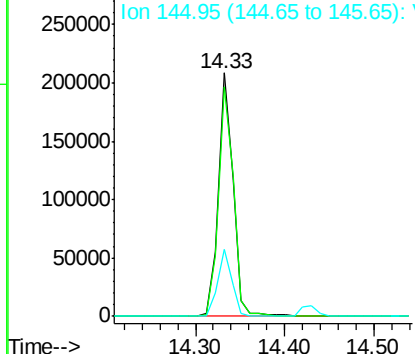
#93
 1,2,4-Trichlorobenzene
 Concen: 20.58 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS02

Tot Ion:180 Resp: 241646
 Ion Ratio Lower Upper
 180 100
 182 94.4 49.0 147.2
 145 27.4 11.8 35.3

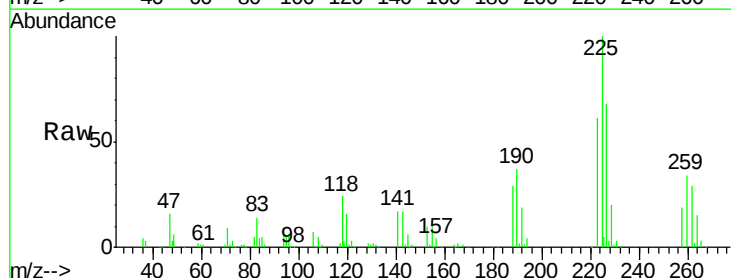


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

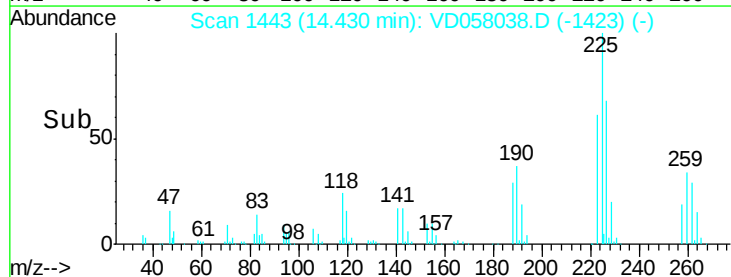
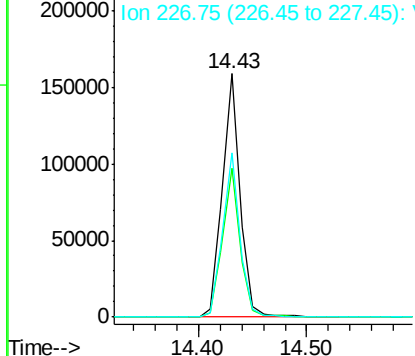


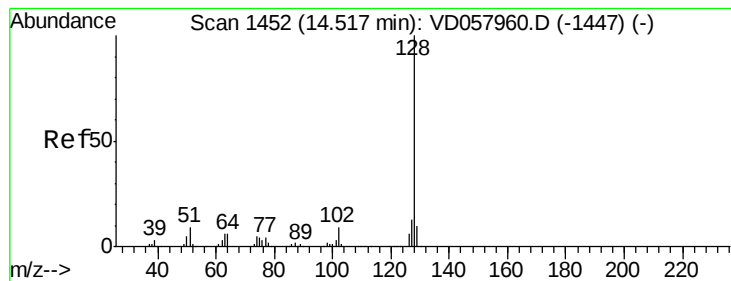
#94
 Hexachlorobutadiene
 Concen: 19.62 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

Tgt Ion:225 Resp: 181268
 Ion Ratio Lower Upper
 225 100
 223 61.0 29.5 88.6
 227 67.7 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: 20.81 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS02

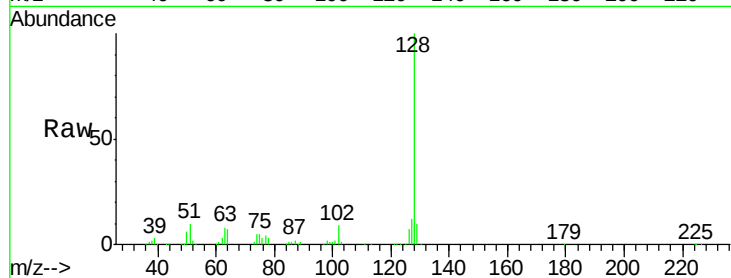
Tot Ion:128 Resp: 315075

Ion Ratio Lower Upper

128 100

127 11.9 10.2 15.2

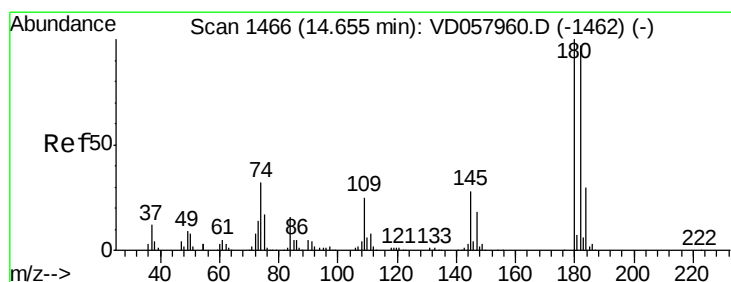
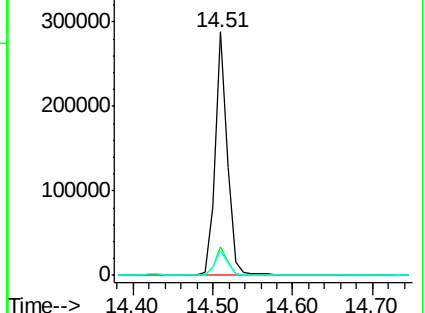
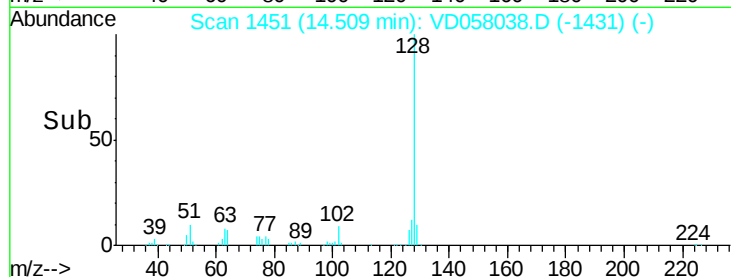
129 10.1 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.35 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

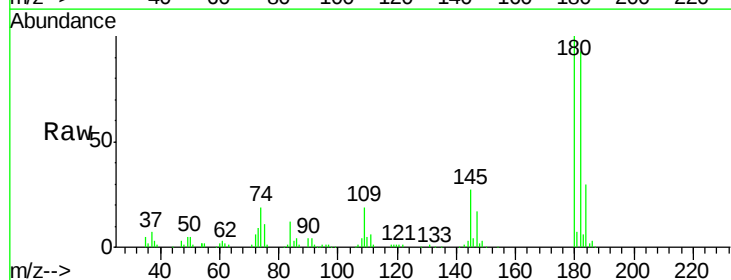
Tgt Ion:180 Resp: 203686

Ion Ratio Lower Upper

180 100

182 93.5 48.5 145.5

145 26.8 14.2 42.8



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

