

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 : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	250619	23.649	ug/l	98
3) Chloromethane	1.48	50	124272	23.810	ug/l	98
4) Vinyl Chloride	1.55	62	113981	22.561	ug/l	97
5) Bromomethane	1.79	94	37811	19.096	ug/l	95
6) Chloroethane	1.87	64	42197	21.170	ug/l	96
7) Trichlorofluoromethane	2.08	101	151013	21.867	ug/l	97
8) Diethyl Ether	2.33	74	29594	23.068	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	2.55	101	97302	23.622	ug/l	95
10) Methyl Iodide	2.69	142	111738	21.023	ug/l	95
11) Tert butyl alcohol	3.25	59	24162	114.258	ug/l	96
12) 1,1-Dichloroethene	2.54	96	75164	23.735	ug/l	94
13) Acrolein	2.46	56	32445	107.131	ug/l	86
14) Allyl chloride	2.91	41	154576	21.160	ug/l	91
15) Acrylonitrile	3.36	53	130894	105.805	ug/l	98
16) Acetone	2.61	43	111434	97.980	ug/l #	89
17) Carbon Disulfide	2.75	76	245705	21.418	ug/l	97
18) Methyl Acetate	2.93	43	50908	23.139	ug/l	99
19) Methyl tert-butyl Ether	3.39	73	325473	23.358	ug/l	99
20) Methylene Chloride	3.06	84	89654	28.294	ug/l	96
21) trans-1,2-Dichloroethene	3.38	96	164930	23.383	ug/l	99
22) Diisopropyl ether	4.06	45	670928	23.183	ug/l	91
23) Vinyl Acetate	4.01	43	1715426	114.720	ug/l	99
24) 1,1-Dichloroethane	3.96	63	378481	23.795	ug/l	99
25) 2-Butanone	4.82	43	284881	110.219	ug/l #	90
26) 2,2-Dichloropropane	4.78	77	267568	20.421	ug/l	98
27) cis-1,2-Dichloroethene	4.79	96	198230	23.696	ug/l	92
28) Bromochloromethane	5.14	49	163167	23.702	ug/l	92
29) Tetrahydrofuran	5.18	42	153909	113.594	ug/l	98
30) Chloroform	5.30	83	377460	23.580	ug/l	97
31) Cyclohexane	5.58	56	300723	21.908	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	299127	22.318	ug/l	97
36) 1,1-Dichloropropene	5.74	75	261205	21.696	ug/l	95
37) Ethyl Acetate	4.91	43	145580	22.161	ug/l #	94
38) Carbon Tetrachloride	5.71	117	248958	20.982	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	259653	21.756	ug/l	93
40) Benzene	6.00	78	640841	22.786	ug/l	99
41) Methacrylonitrile	5.12	41	68229	22.715	ug/l	97
42) 1,2-Dichloroethane	6.12	62	257206	22.619	ug/l	99
43) Isopropyl Acetate	7.61	43	195337	22.701	ug/l #	94
44) Trichloroethene	6.97	130	180010	21.912	ug/l	97
45) 1,2-Dichloropropane	7.33	63	178925	22.890	ug/l	98
46) Dibromomethane	7.45	93	115209	22.943	ug/l	97
47) Bromodichloromethane	7.74	83	262325	22.312	ug/l	98
48) Methyl methacrylate	7.49	41	111717	21.094	ug/l	97
49) 1,4-Dioxane	7.47	88	18041	411.196	ug/l	95
51) 4-Methyl-2-Pentanone	8.58	43	629174	113.998	ug/l	96
52) Toluene	8.79	92	346981	21.497	ug/l	98
53) t-1,3-Dichloropropene	9.17	75	216372	21.360	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	266996	22.373	ug/l	99
55) 1,1,2-Trichloroethane	9.45	97	121091	23.180	ug/l	96
56) Ethyl methacrylate	9.30	69	148414	23.161	ug/l	92
57) 1,3-Dichloropropane	9.66	76	218745	23.875	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.18	63	391133	120.813	ug/l	95
59) 2-Hexanone	9.77	43	437934	108.275	ug/l	99
60) Dibromochloromethane	9.95	129	161488	21.922	ug/l	100
61) 1,2-Dibromoethane	10.09	107	132365	22.033	ug/l	99
64) Tetrachloroethene	9.51	164	183790	23.638	ug/l	94
65) Chlorobenzene	10.72	112	390988	22.207	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	143177	21.166	ug/l	93
67) Ethyl Benzene	10.85	91	721736	22.690	ug/l	100
68) m/p-Xylenes	11.00	106	480700	46.356	ug/l	94
69) o-Xylene	11.40	106	231929	22.533	ug/l	94
70) Styrene	11.43	104	391333	22.966	ug/l	98
71) Bromoform	11.60	173	110415	21.698	ug/l	98
73) Isopropylbenzene	11.76	105	662833	21.336	ug/l	100
74) N-amyl acetate	11.63	43	241336	20.132	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	147029	21.707	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	158291	22.467	ug/l	100
77) Bromobenzene	12.04	156	199761	21.723	ug/l	85
78) n-propylbenzene	12.15	91	882030	21.819	ug/l	97
79) 2-Chlorotoluene	12.21	91	492630	21.361	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	554510	22.888	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.83	75	35377	20.273	ug/l	93
82) 4-Chlorotoluene	12.32	91	588793	24.639	ug/l	93
83) tert-Butylbenzene	12.57	119	575268	21.029	ug/l	97
84) 1,2,4-Trimethylbenzene	12.62	105	549739	21.104	ug/l	97
85) sec-Butylbenzene	12.75	105	675184	20.451	ug/l	98
86) p-Isopropyltoluene	12.87	119	525796	19.760	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	324446	20.858	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	335446	22.133	ug/l	98
89) n-Butylbenzene	13.19	91	590706	22.200	ug/l	99
90) Hexachloroethane	13.40	117	145293	21.393	ug/l	76
91) 1,2-Dichlorobenzene	13.19	146	289791	23.053	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	22771	21.783	ug/l	66

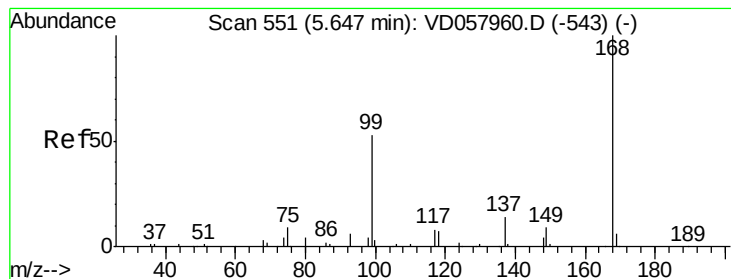
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	241646	20.576	µg/l	95
94) Hexachlorobutadiene	14.43	225	181268	19.623	µg/l	96
95) Naphthalene	14.51	128	315075	20.808	µg/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	203686	20.351	µg/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 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

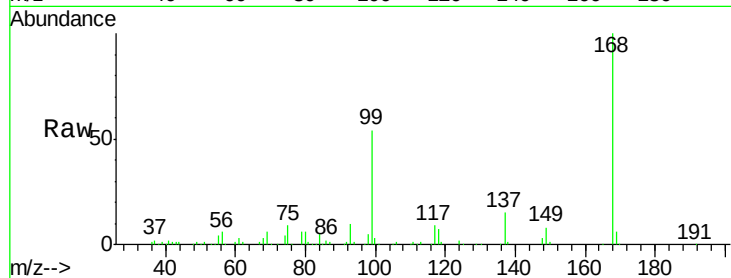
ClientSampleId :

Tot Ion:168 Resp: 789595

Ion Ratio Lower Upper

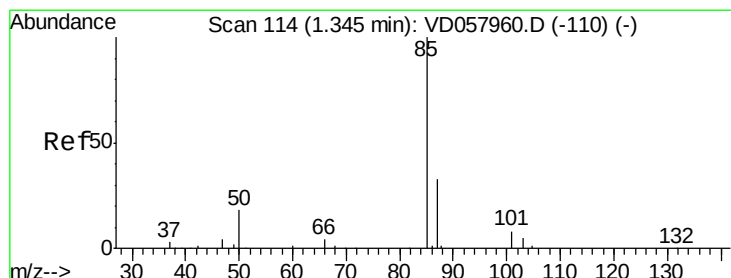
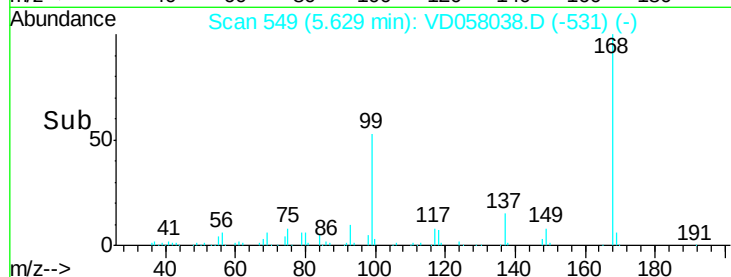
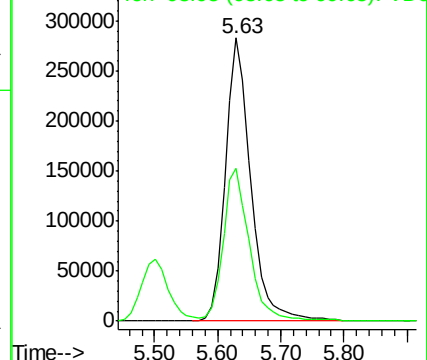
168 100

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: 23.649 ug/l

RT: 1.34 min Scan# 113

Delta R.T. -0.01 min

Lab File: VD058038.D

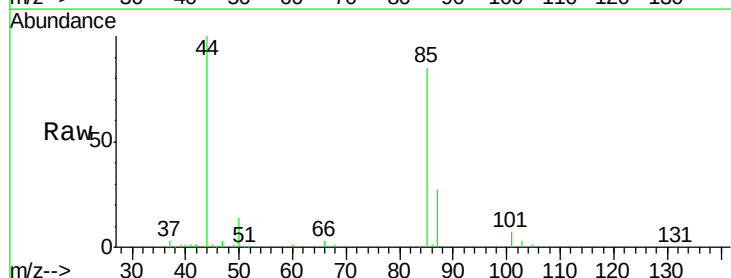
Acq: 9 Jun 2018 2:38

Tgt Ion: 85 Resp: 250619

Ion Ratio Lower Upper

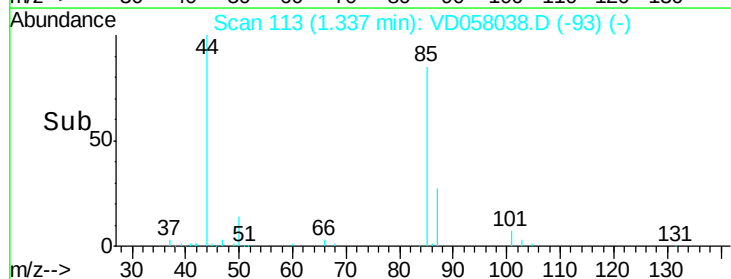
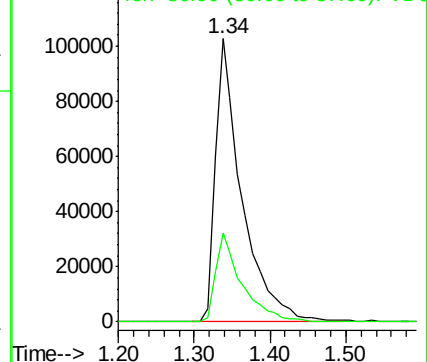
85 100

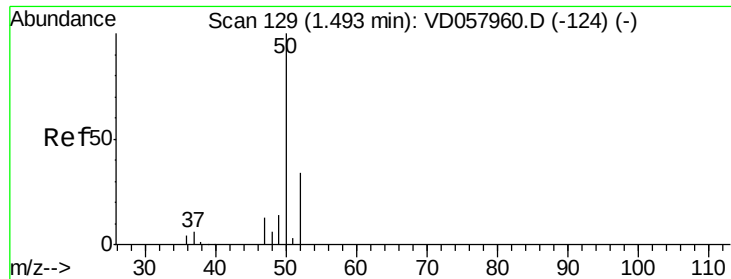
87 31.4 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.810 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

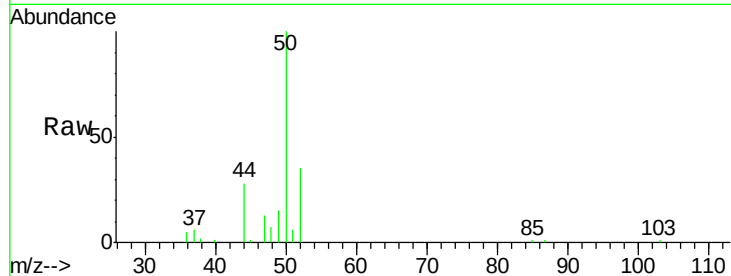
ClientSampleId :

Tot Ion: 50 Resp: 124272

Ion Ratio Lower Upper

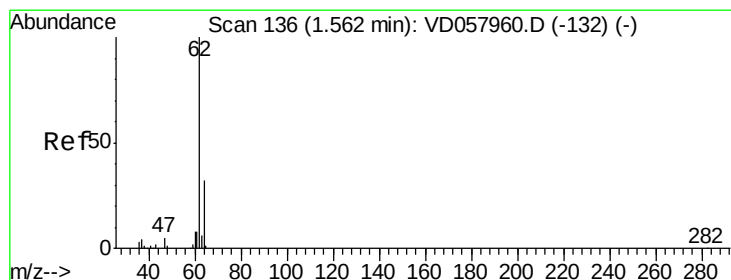
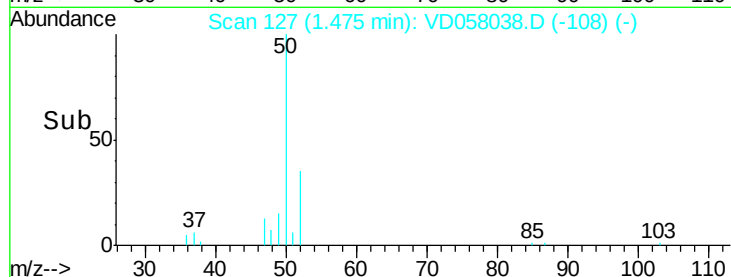
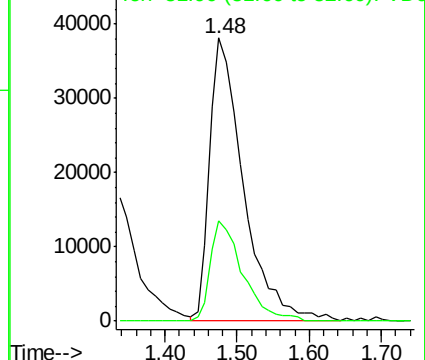
50 100

52 35.4 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.561 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.01 min

Lab File: VD058038.D

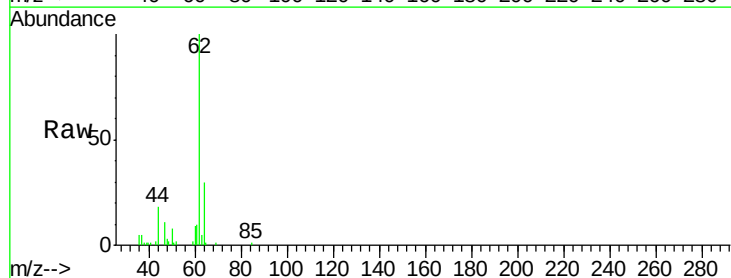
Acq: 9 Jun 2018 2:38

Tgt Ion: 62 Resp: 113981

Ion Ratio Lower Upper

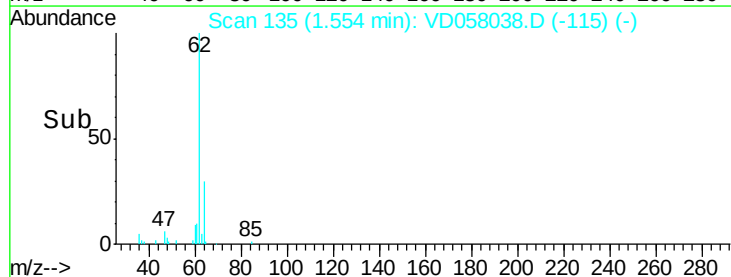
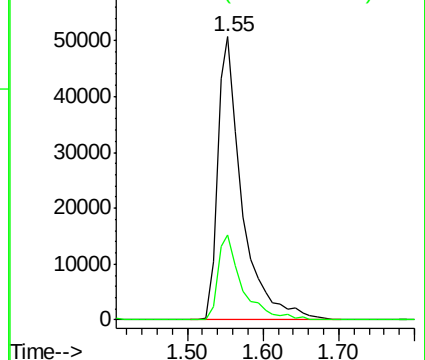
62 100

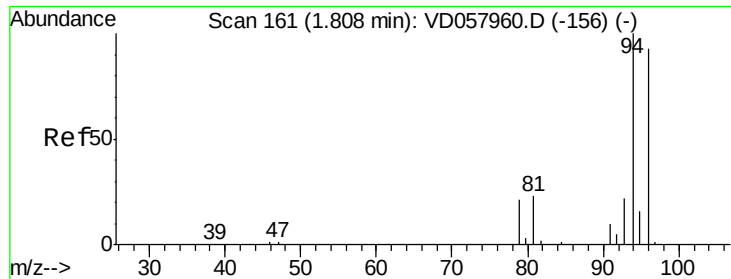
64 30.2 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.096 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

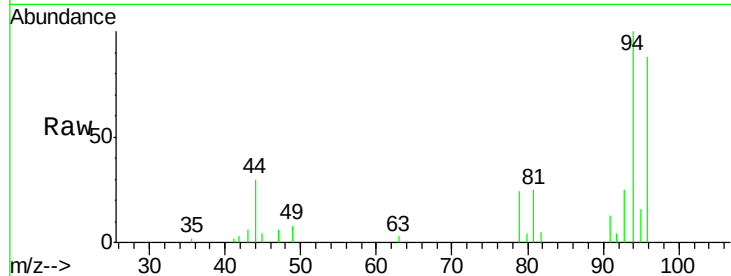
ClientSampleId :

Tot Ion: 94 Resp: 37811

Ion Ratio Lower Upper

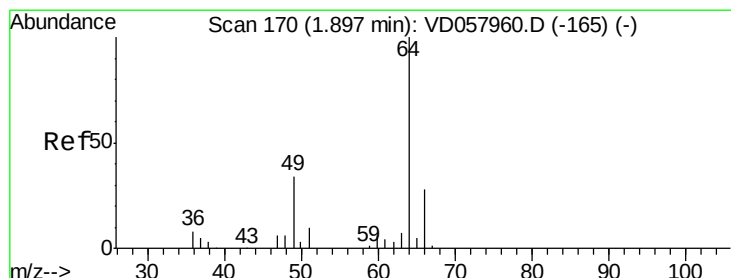
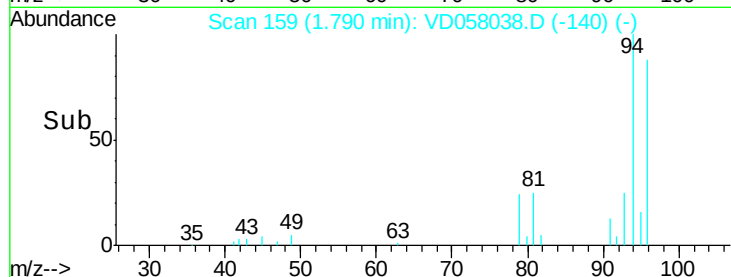
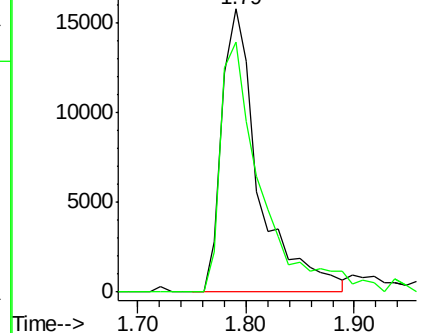
94 100

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: 21.170 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.03 min

Lab File: VD058038.D

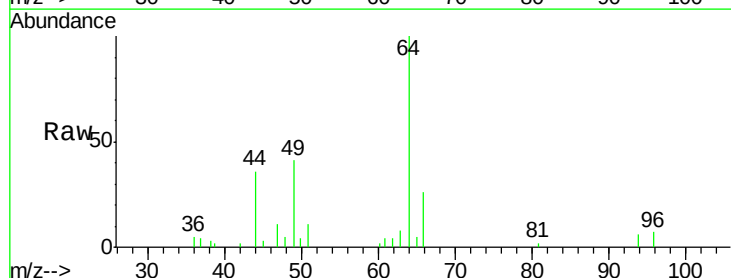
Acq: 9 Jun 2018 2:38

Tgt Ion: 64 Resp: 42197

Ion Ratio Lower Upper

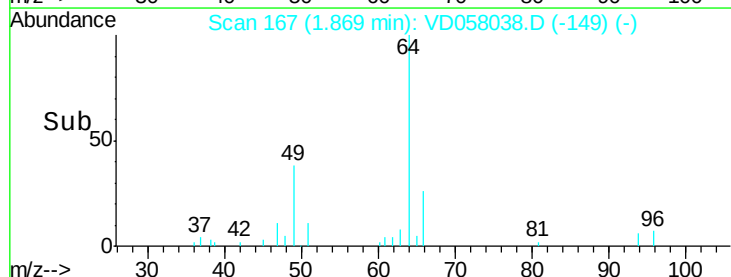
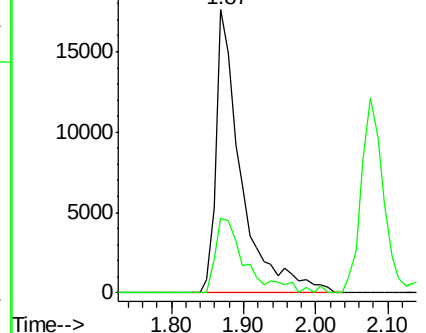
64 100

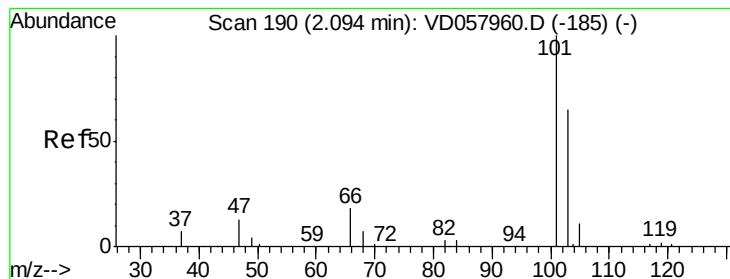
66 26.3 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



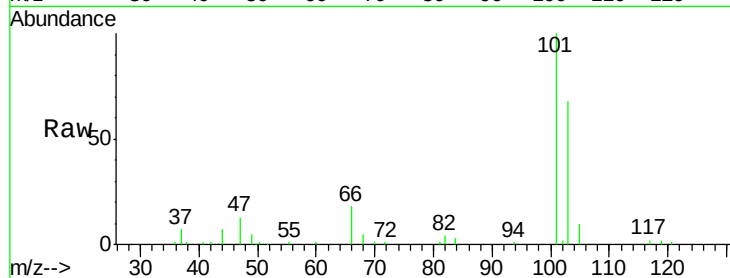


#7

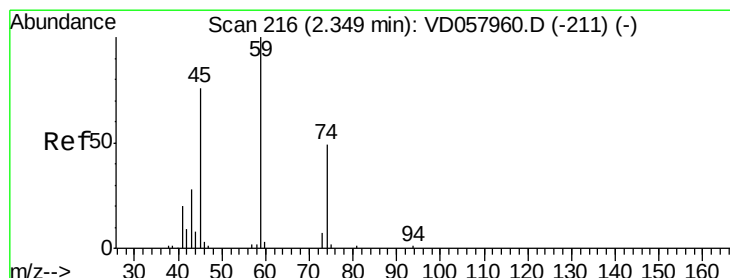
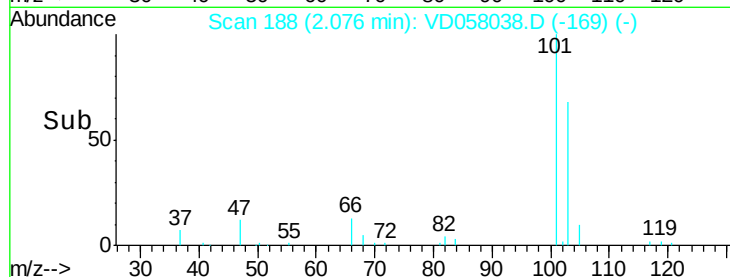
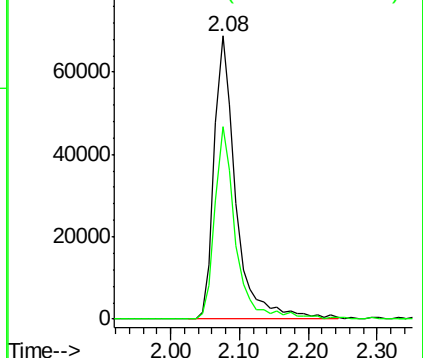
Trichlorofluoromethane
 Concen: 21.867 ug/l
 RT: 2.08 min Scan# 188
 Delta R.T. -0.02 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

Instrument :
 MSVOA_D
 ClientSampleId :

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



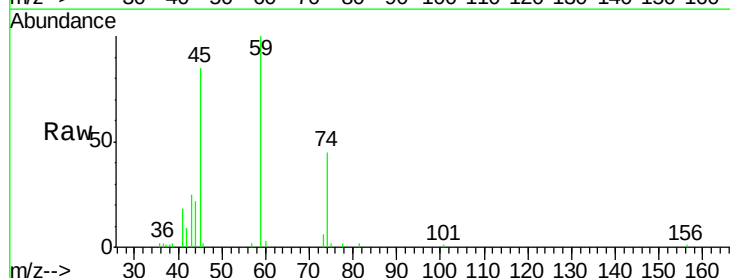
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



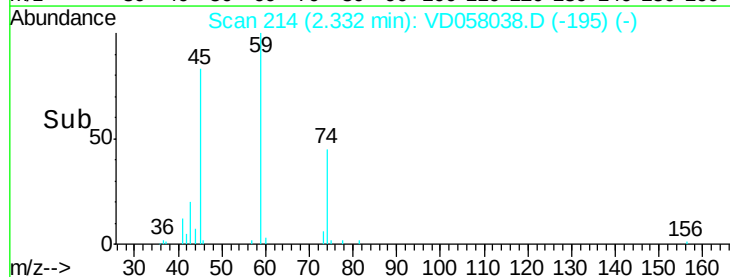
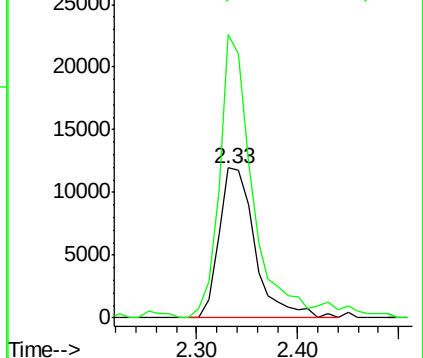
#8

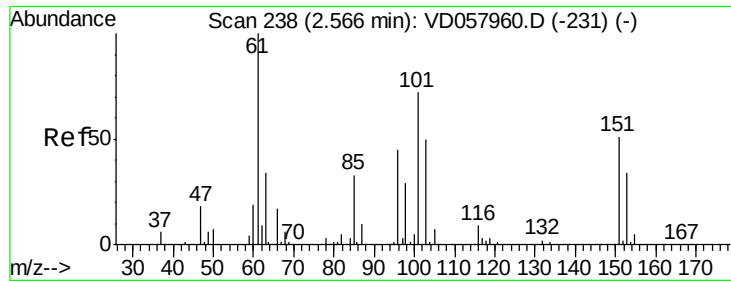
Diethyl Ether
 Concen: 23.068 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.02 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

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: 23.622 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 :

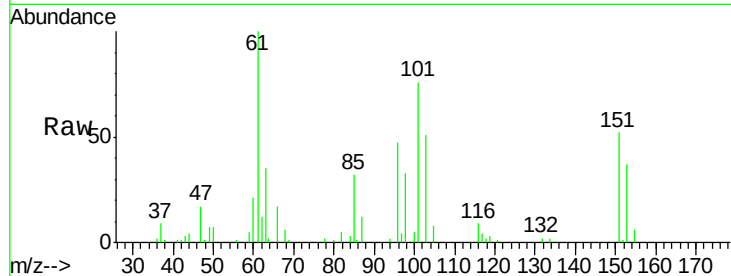
Tot Ion:101 Resp: 97302

Ion Ratio Lower Upper

101 100

85 42.1 37.3 55.9

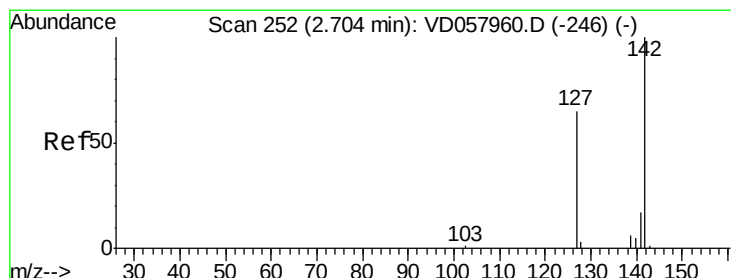
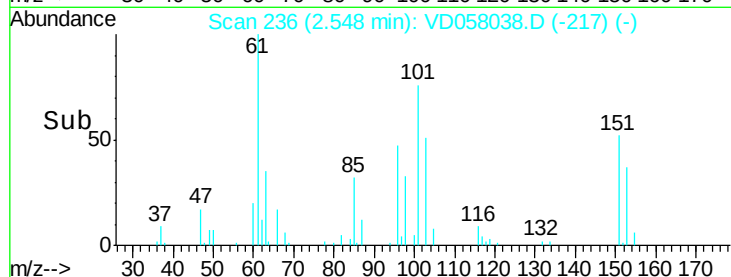
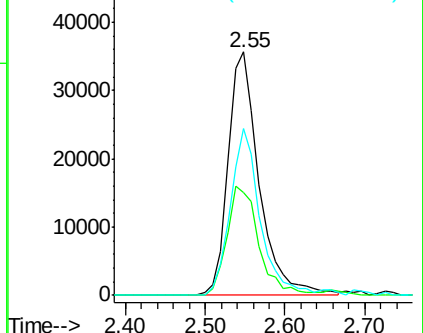
151 68.5 57.0 85.6



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: 21.023 ug/l

RT: 2.69 min Scan# 250

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

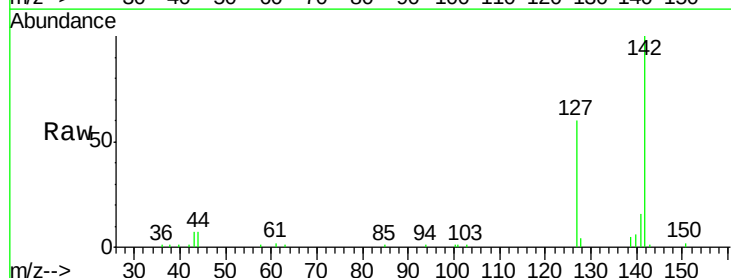
Tgt Ion:142 Resp: 111738

Ion Ratio Lower Upper

142 100

127 60.4 52.0 78.0

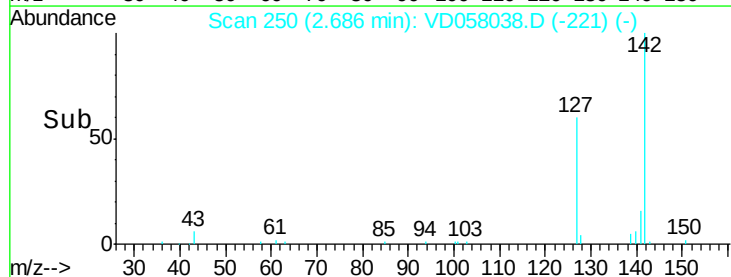
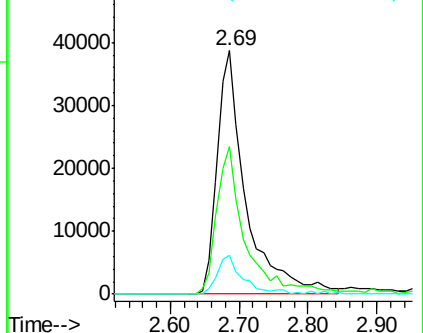
141 16.1 13.2 19.8

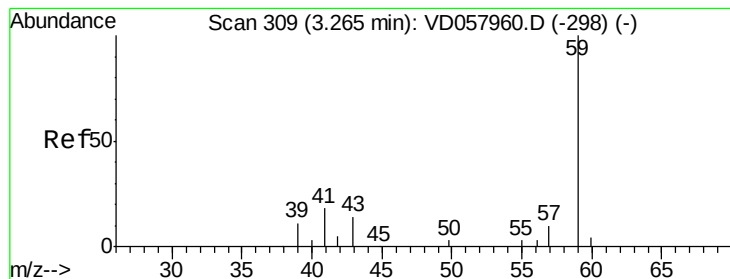


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



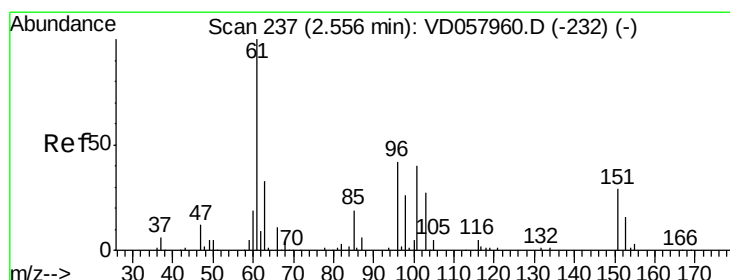
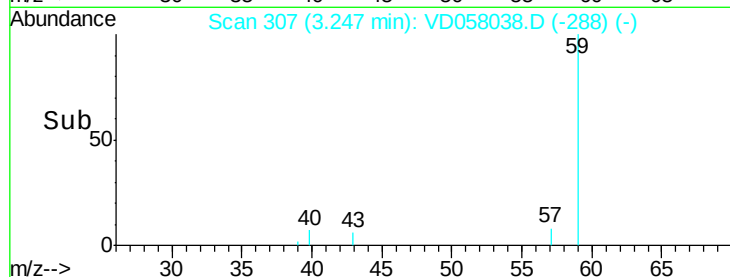
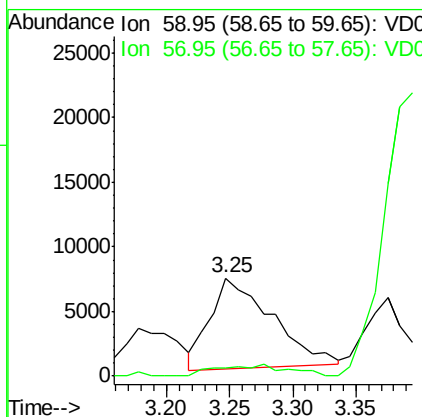
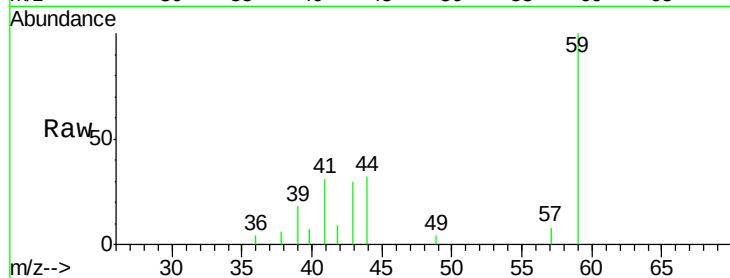


#11

Tert butyl alcohol
 Concen: 114.258 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
 ClientSampled :

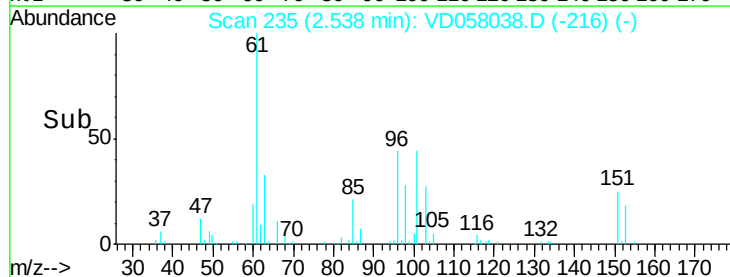
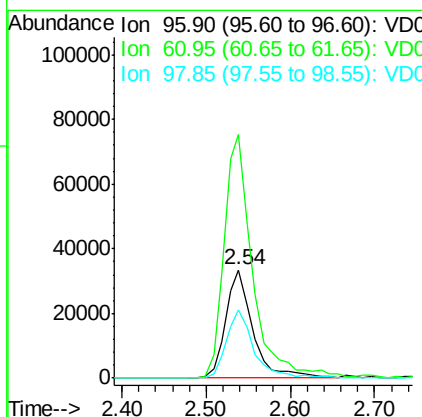
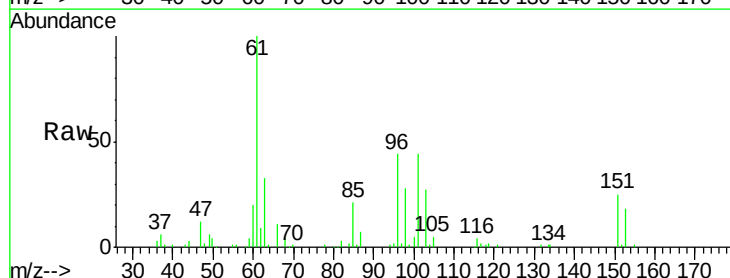
Tot Ion: 59 Resp: 24162
 Ion Ratio Lower Upper
 59 100
 57 8.4 7.8 11.6

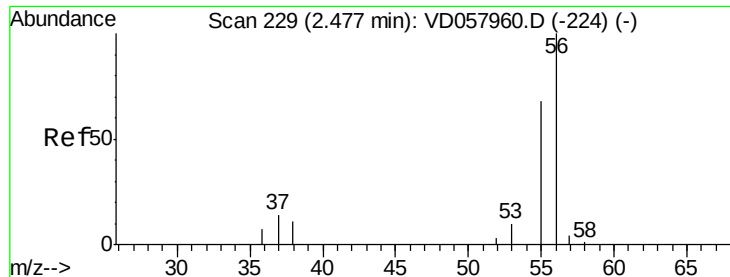


#12

1,1-Dichloroethene
 Concen: 23.735 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: 107.131 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

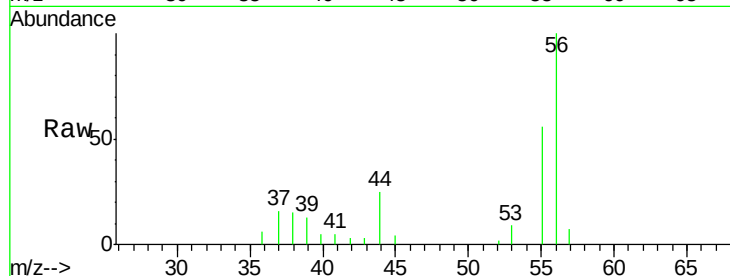
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 32445

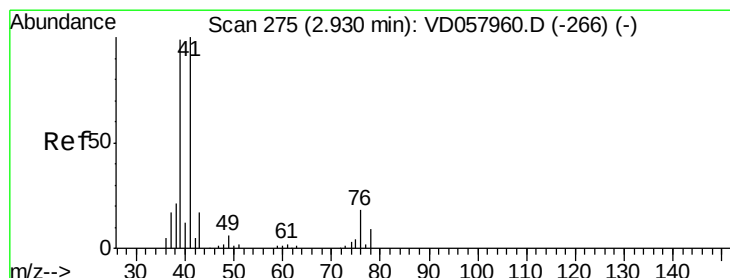
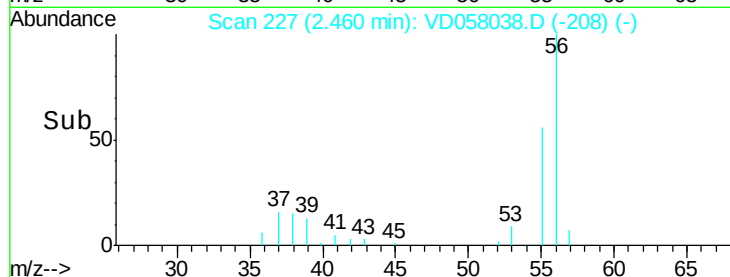
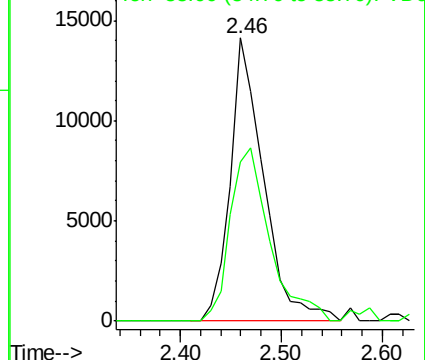
Ion Ratio Lower Upper

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: 21.160 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

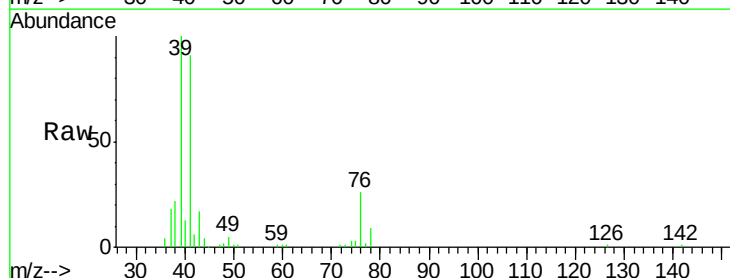
Tgt Ion: 41 Resp: 154576

Ion Ratio Lower Upper

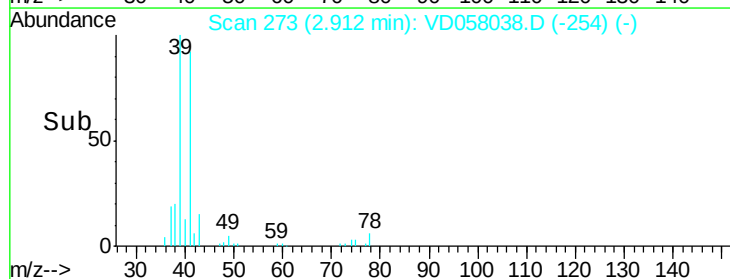
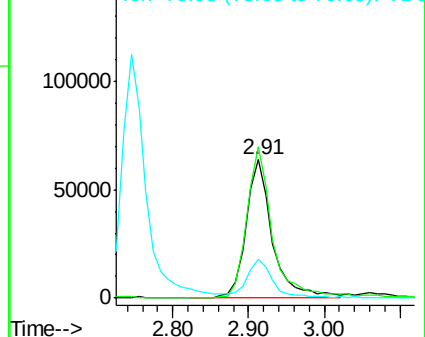
41 100

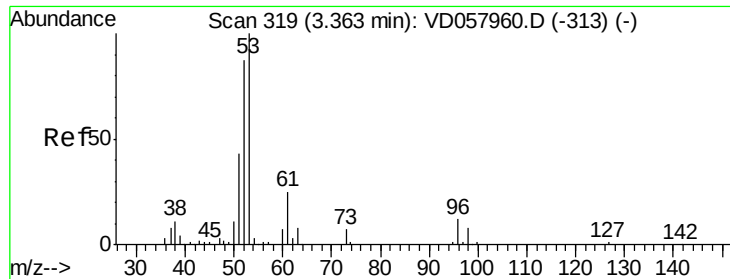
39 109.5 79.5 119.3

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

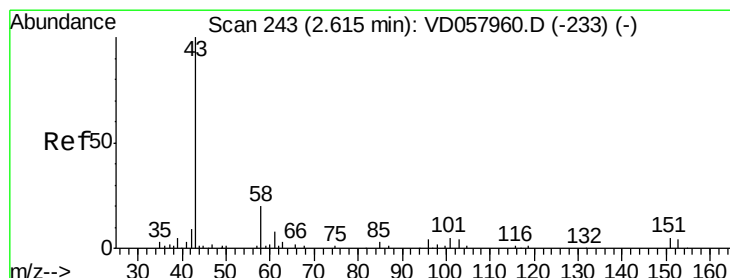
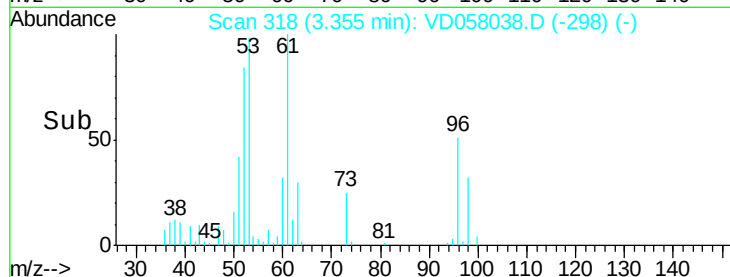
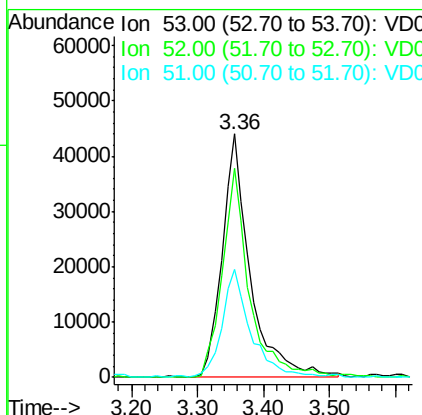
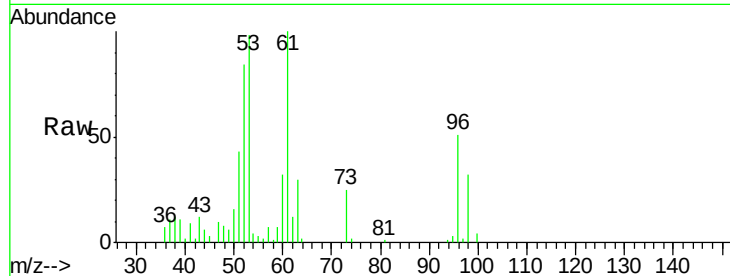




#15
 Acrylonitrile
 Concen: 105.805 ug/l
 RT: 3.36 min Scan# 318
 Delta R.T. -0.01 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

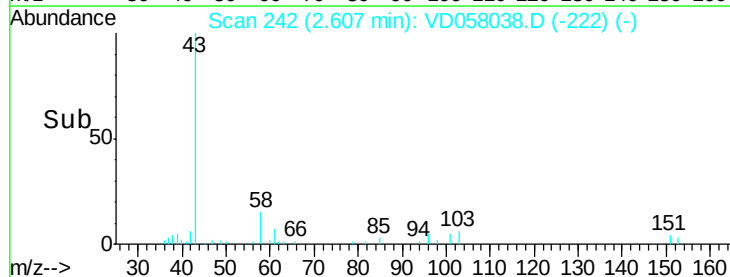
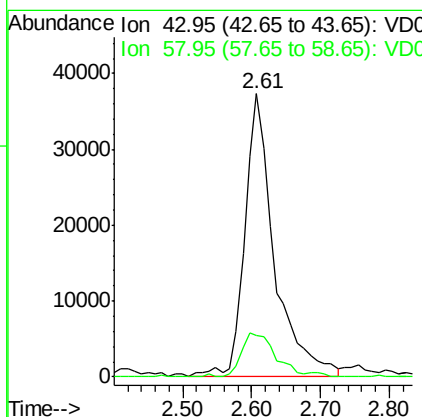
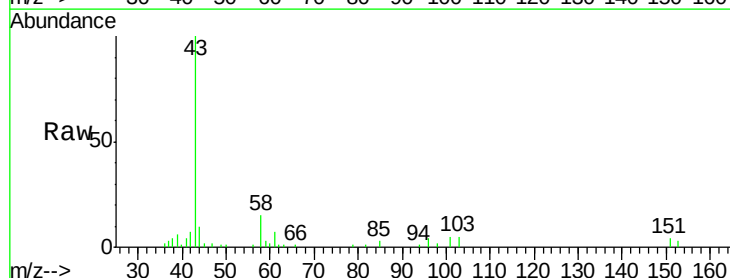
Instrument :
 MSVOA_D
 ClientSampled :

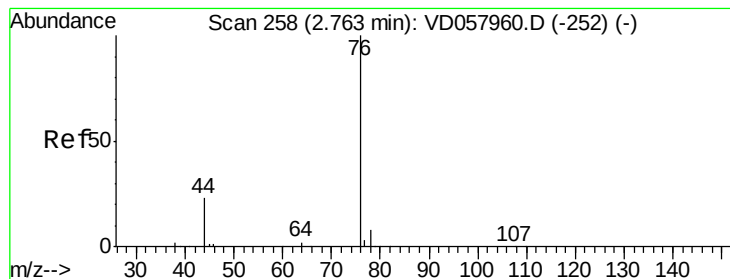
Tot Ion: 53 Resp: 130894
 Ion Ratio Lower Upper
 53 100
 52 85.8 69.9 104.9
 51 44.5 34.3 51.5



#16
 Acetone
 Concen: 97.980 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#





#17

Carbon Disulfide

Concen: 21.418 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

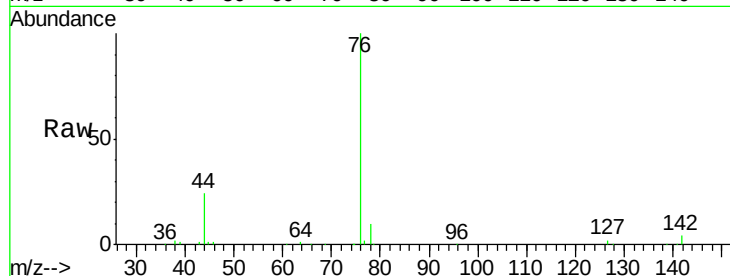
ClientSampleId :

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

2.75

120000

100000

80000

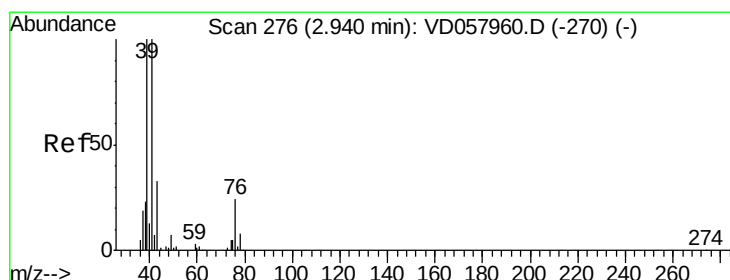
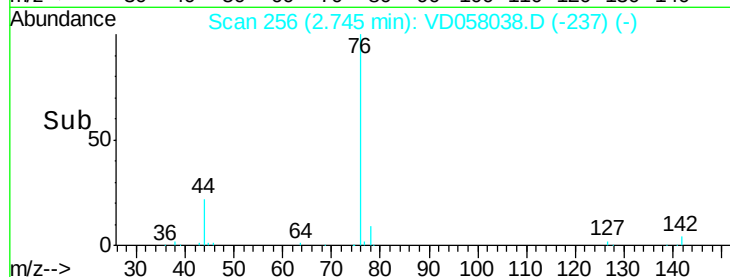
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 23.139 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.01 min

Lab File: VD058038.D

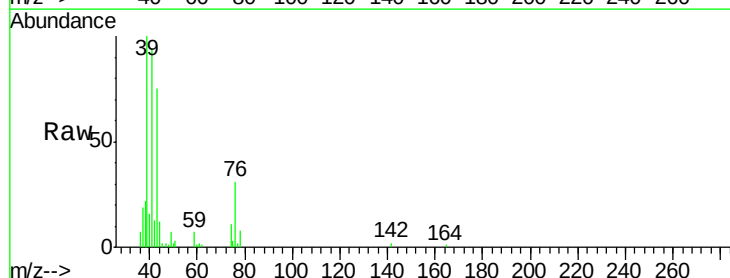
Acq: 9 Jun 2018 2:38

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

2.93

20000

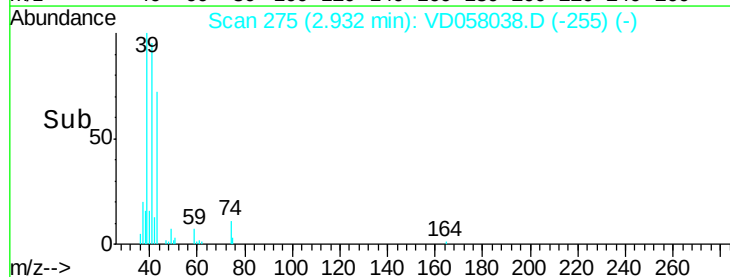
15000

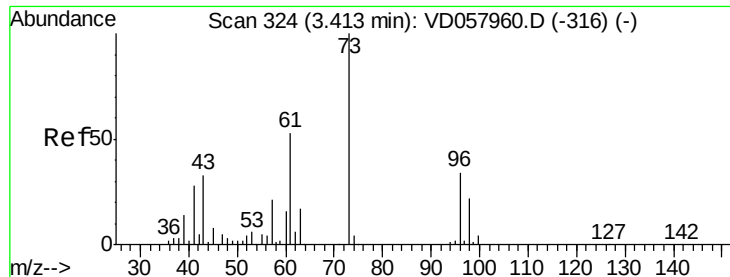
10000

5000

0

Time-->



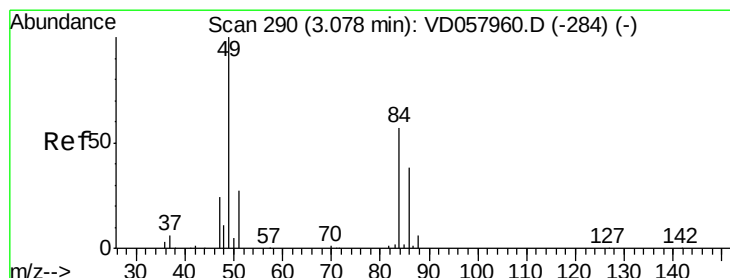
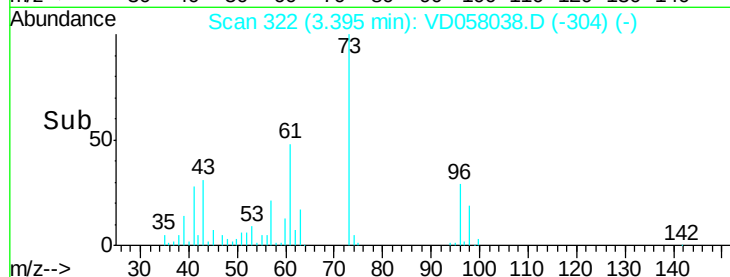
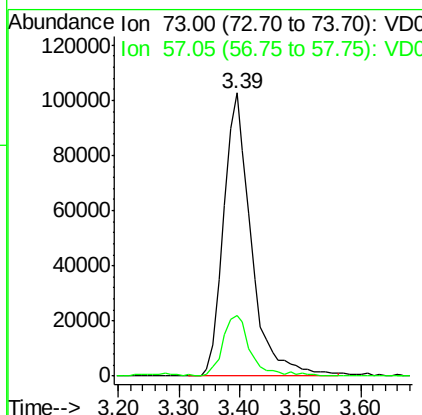
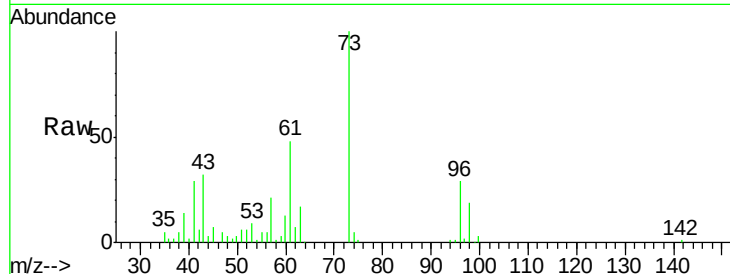


#19

Methyl tert-butyl Ether
 Concen: 23.358 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
 ClientSampled :

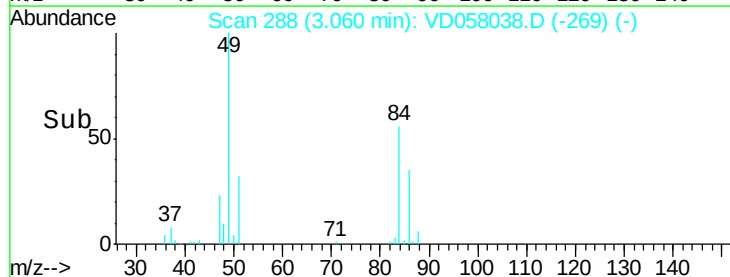
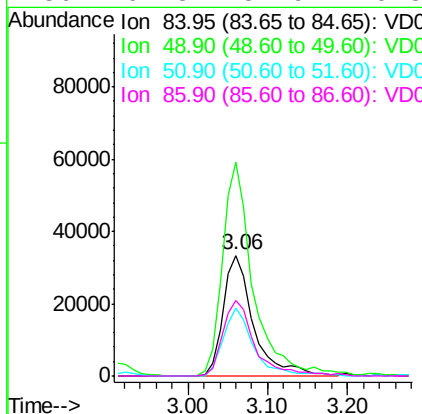
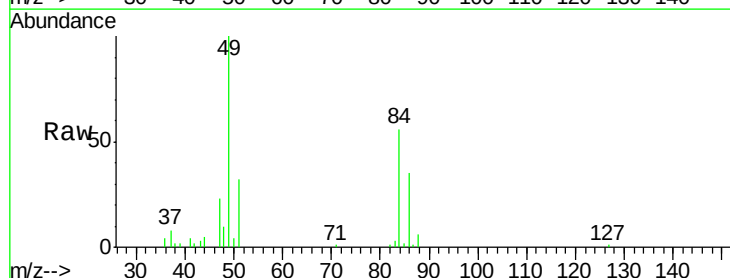
Tot Ion: 73 Resp: 325473
 Ion Ratio Lower Upper
 73 100
 57 21.3 16.7 25.1

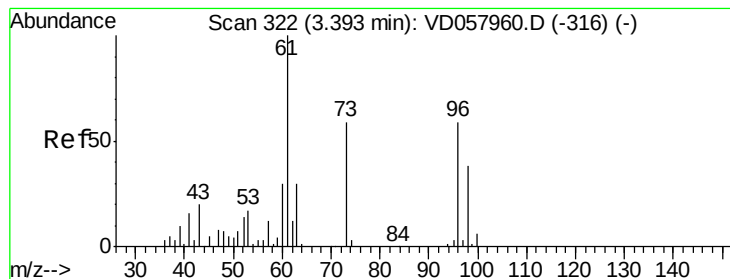


#20

Methylene Chloride
 Concen: 28.294 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: 23.383 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

ClientSampled :

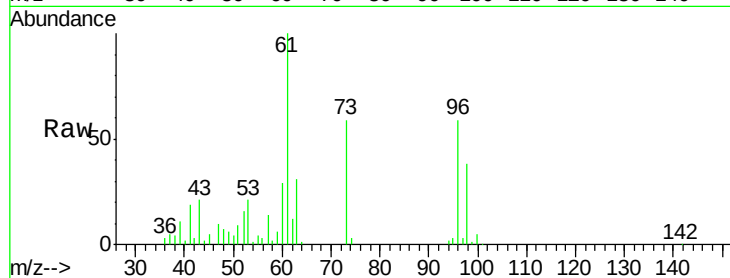
Tot Ion: 96 Resp: 164930

Ion Ratio Lower Upper

96 100

61 170.6 135.2 202.8

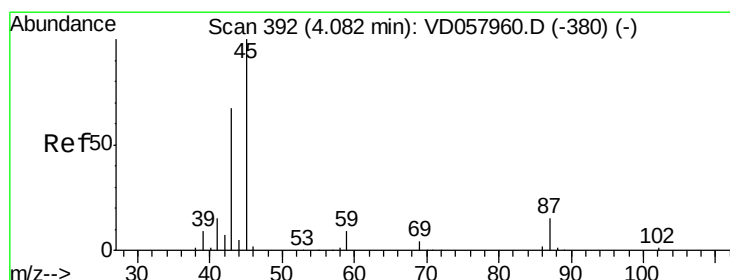
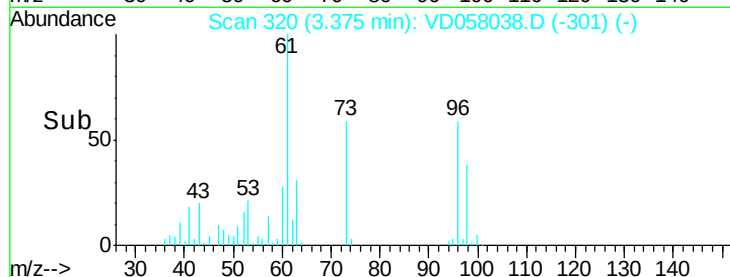
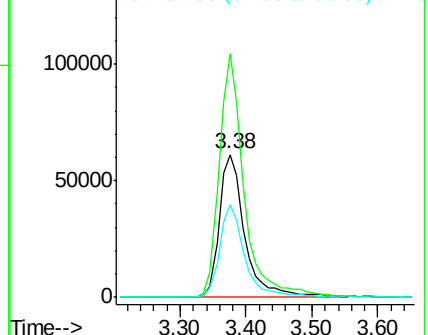
98 65.2 51.7 77.5



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: 23.183 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

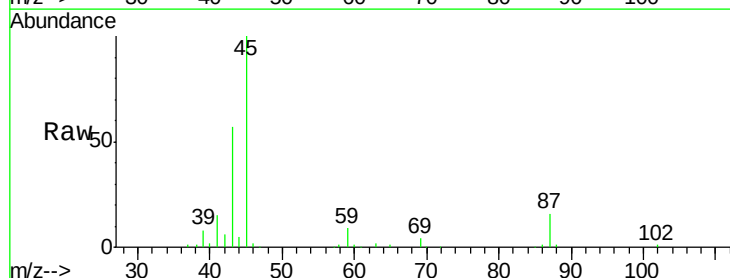
Ion Ratio Lower Upper

45 100

43 57.4 53.8 80.8

87 15.9 12.5 18.7

59 8.7 7.3 10.9

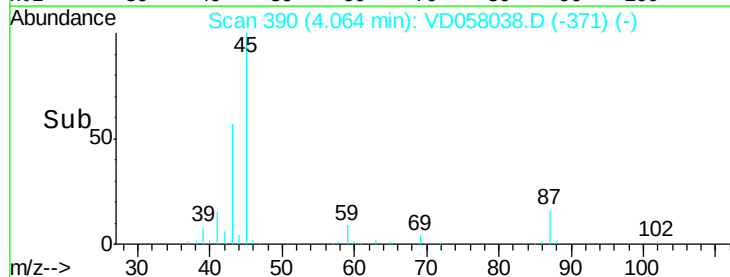
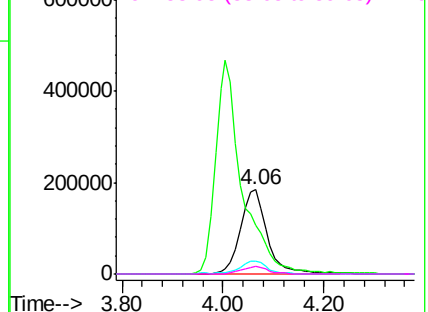


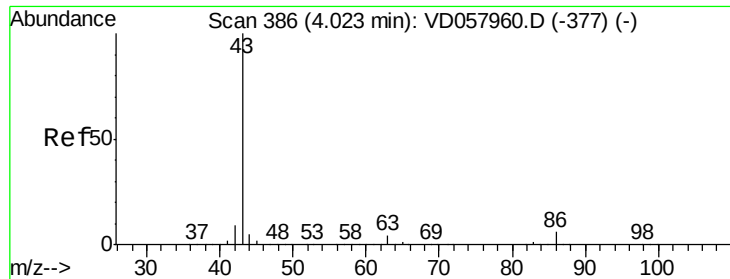
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 114.720 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

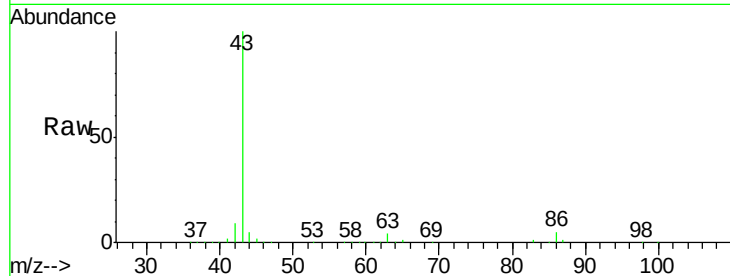
ClientSampleId :

Tot Ion: 43 Resp: 1715426

Ion Ratio Lower Upper

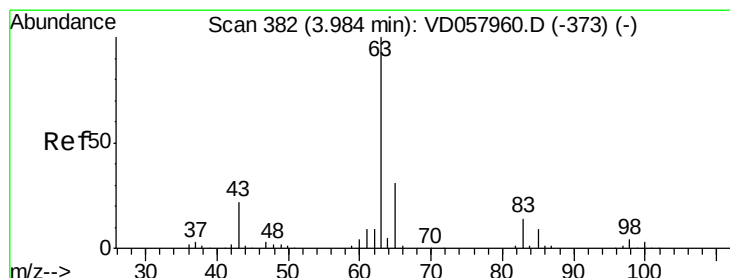
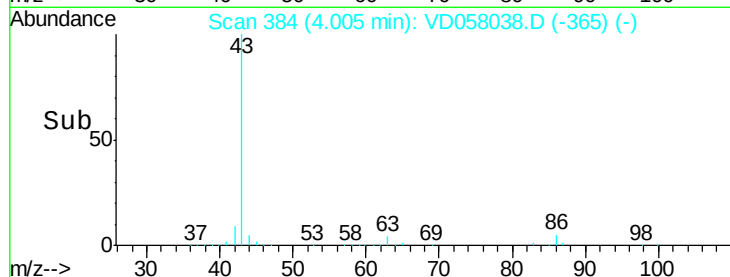
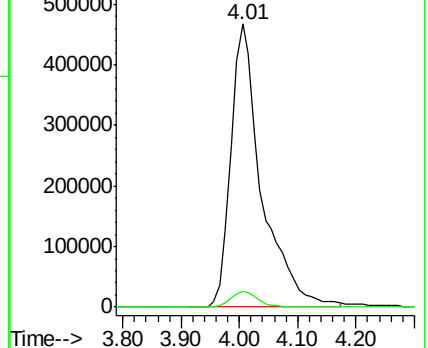
43 100

86 5.5 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.795 ug/l

RT: 3.96 min Scan# 379

Delta R.T. -0.03 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

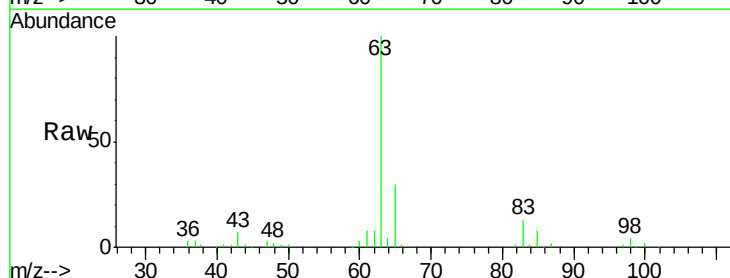
Tgt Ion: 63 Resp: 378481

Ion Ratio Lower Upper

63 100

98 4.0 2.0 5.8

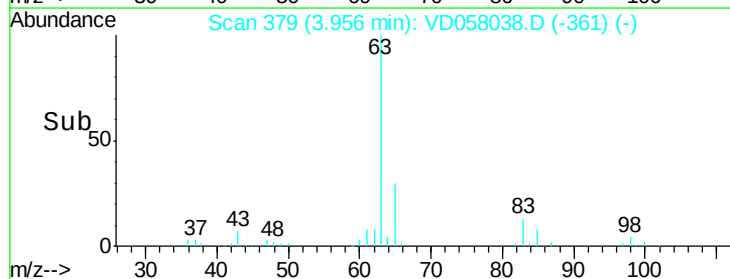
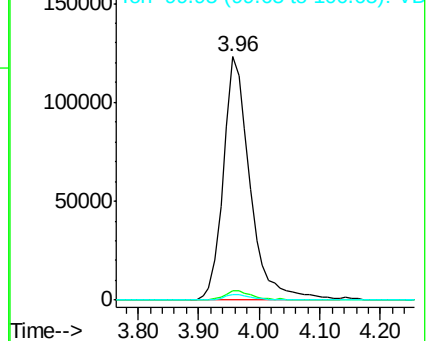
100 2.4 1.4 4.2

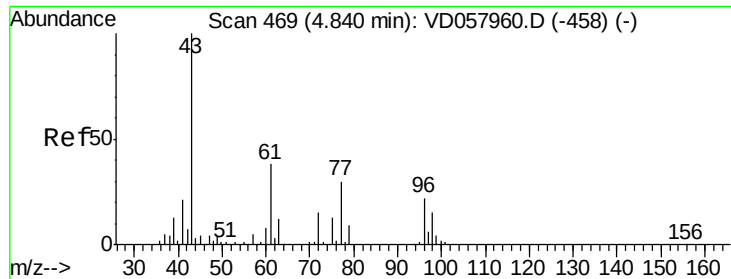


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

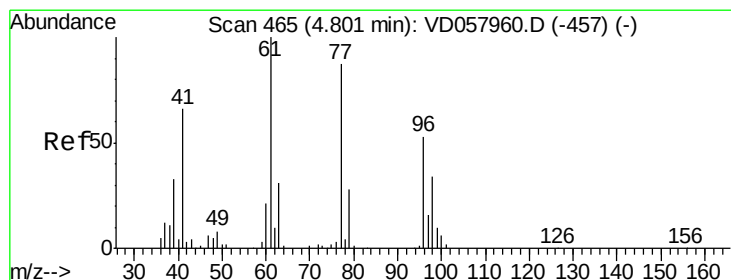
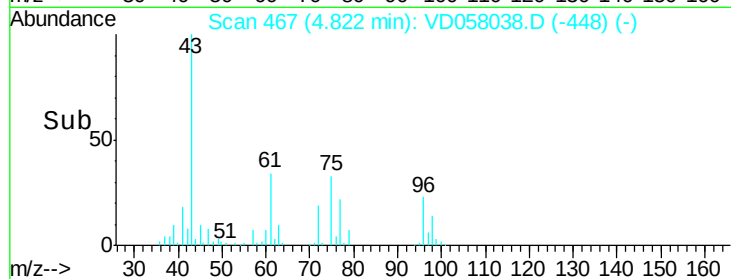
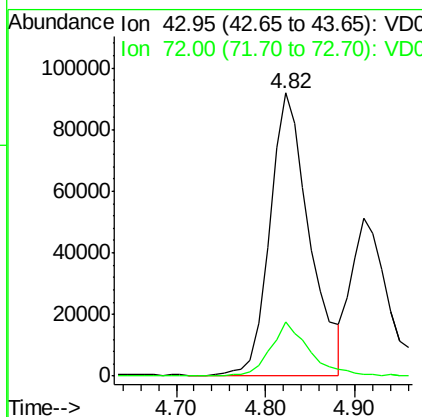
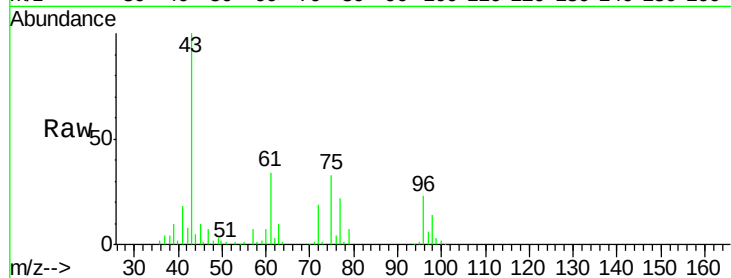




#25
2-Butanone
Concen: 110.219 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

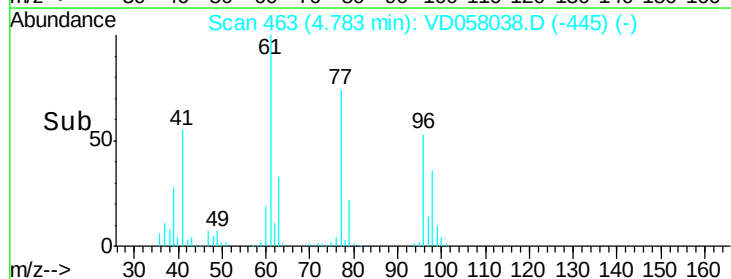
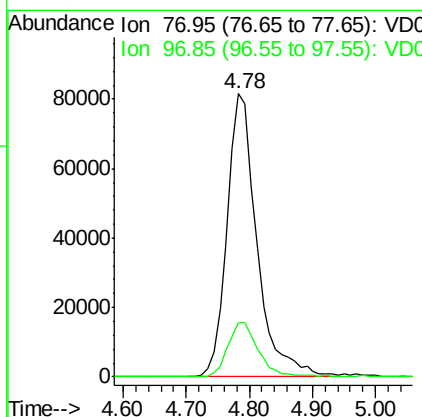
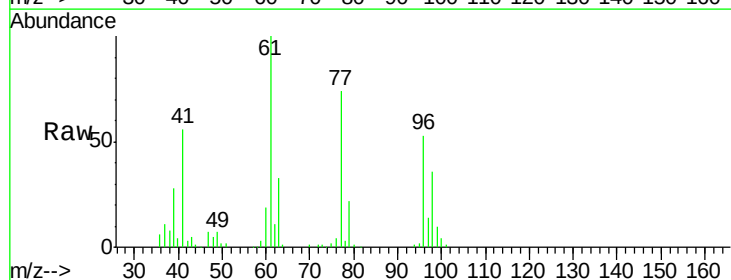
Instrument :
MSVOA_D
ClientSampled :

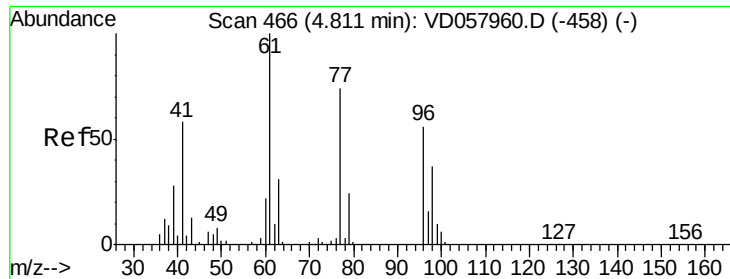
Tot Ion: 43 Resp: 284881
Ion Ratio Lower Upper
43 100
72 19.0 12.0 18.0#



#26
2,2-Dichloropropane
Concen: 20.421 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





#27

cis-1,2-Dichloroethene

Concen: 23.696 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
ClientSampled :

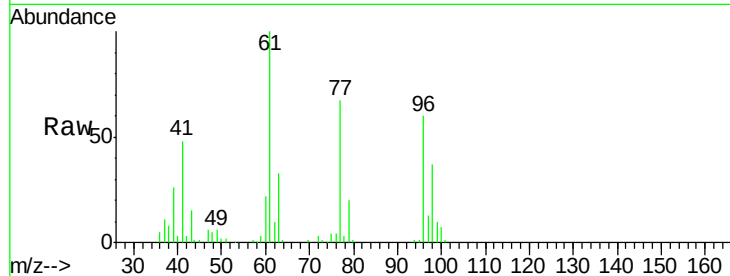
Tot Ion: 96 Resp: 198230

Ion Ratio Lower Upper

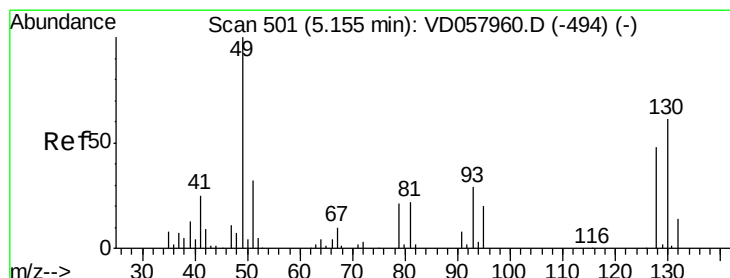
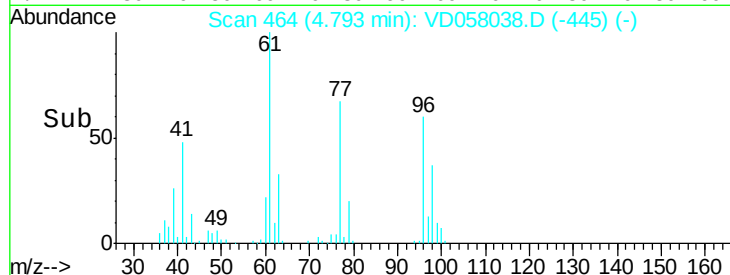
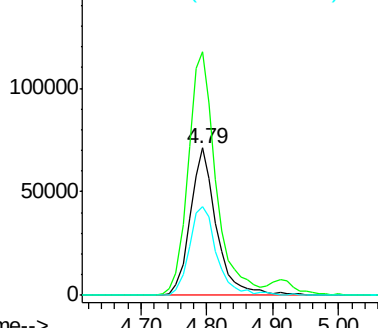
96 100

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: 23.702 ug/l

RT: 5.14 min Scan# 499

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

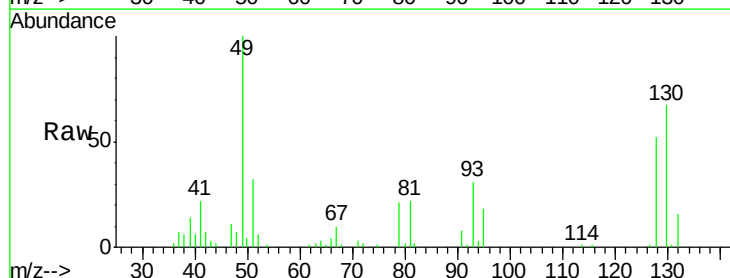
Tgt Ion: 49 Resp: 163167

Ion Ratio Lower Upper

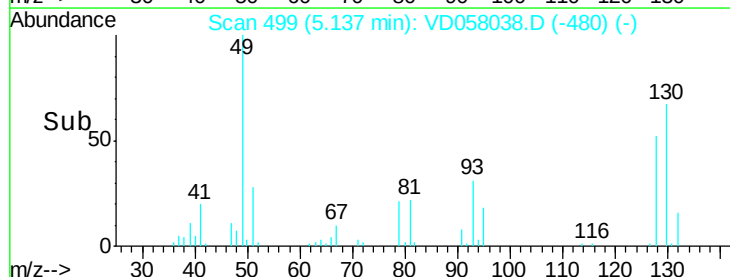
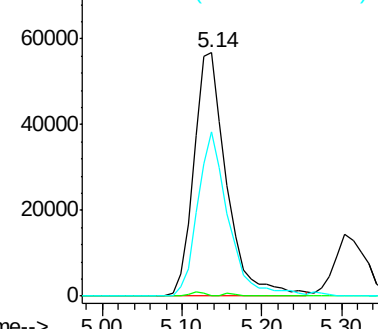
49 100

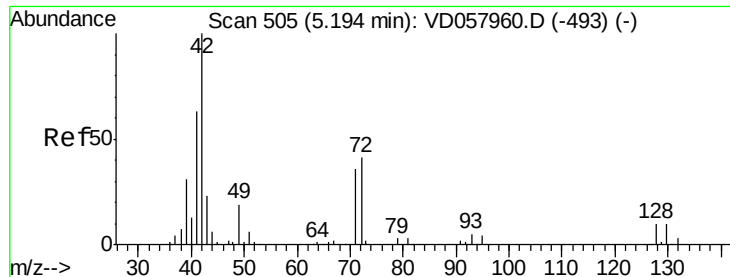
129 0.0 0.0 3.6

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

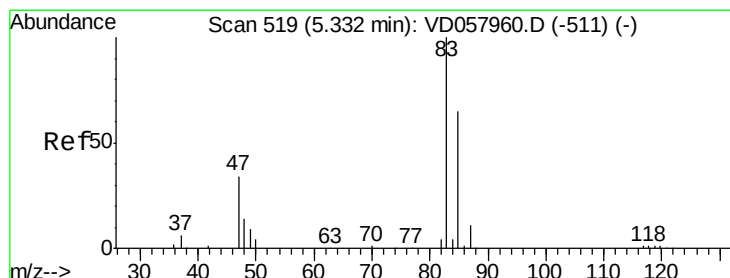
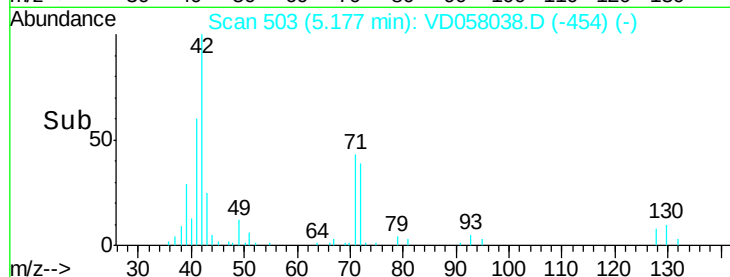
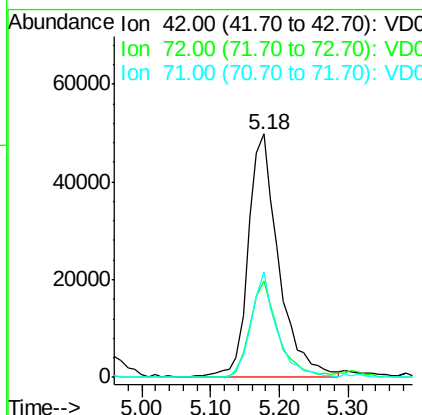
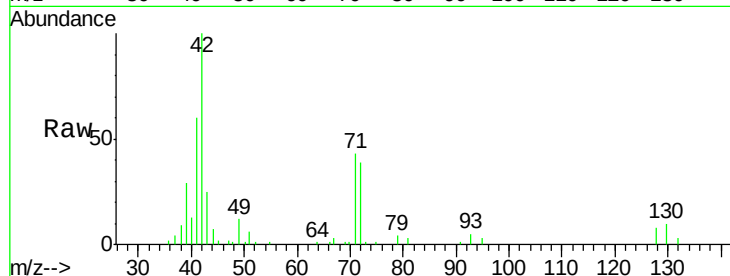




#29
Tetrahydrofuran
Concen: 113.594 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

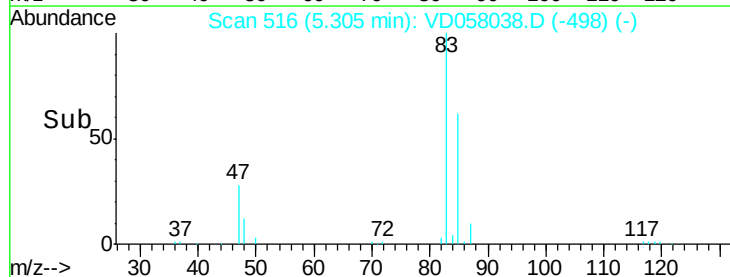
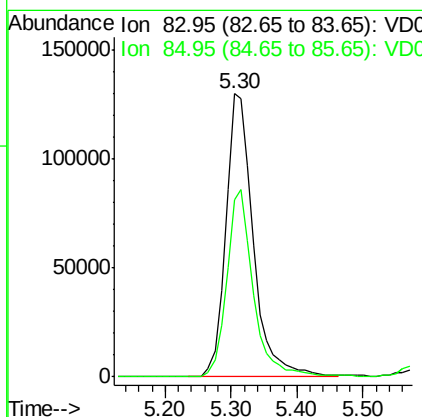
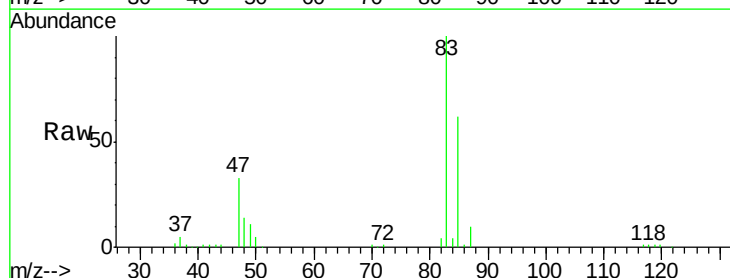
Instrument :
MSVOA_D
ClientSampleId :

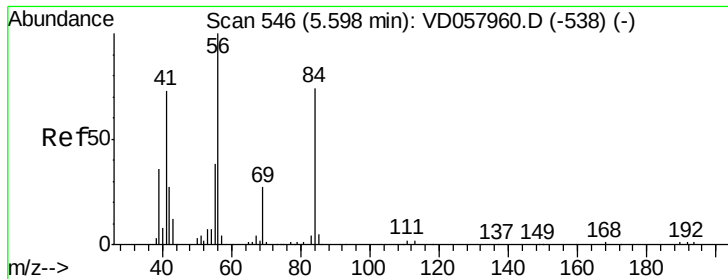
Tot Ion: 42 Resp: 153909
Ion Ratio Lower Upper
42 100
72 36.6 28.5 42.7
71 36.0 27.9 41.9



#30
Chloroform
Concen: 23.580 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: 83 Resp: 377460
Ion Ratio Lower Upper
83 100
85 62.5 51.6 77.4

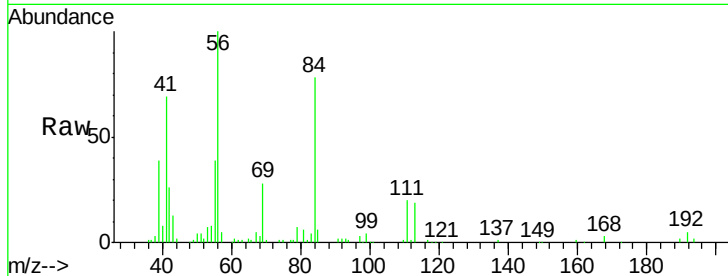




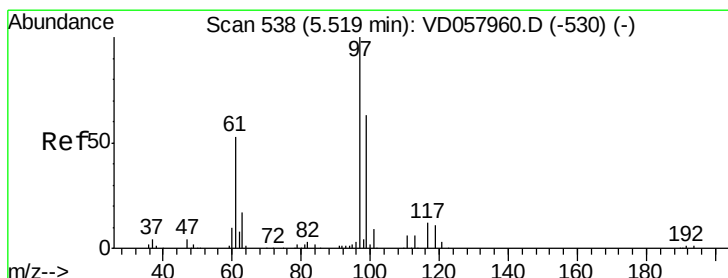
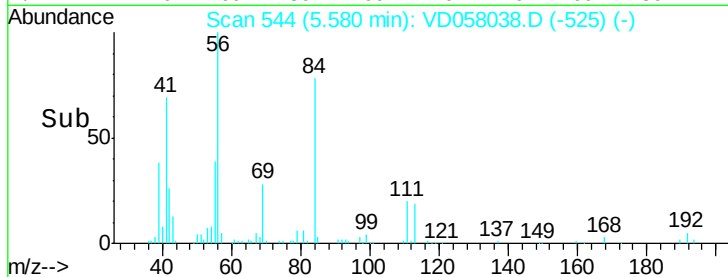
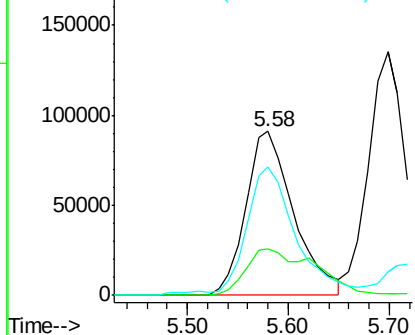
#31
Cyclohexane
Concen: 21.908 ug/l
RT: 5.58 min Scan# 544
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Instrument :
MSVOA_D
ClientSampleId :

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

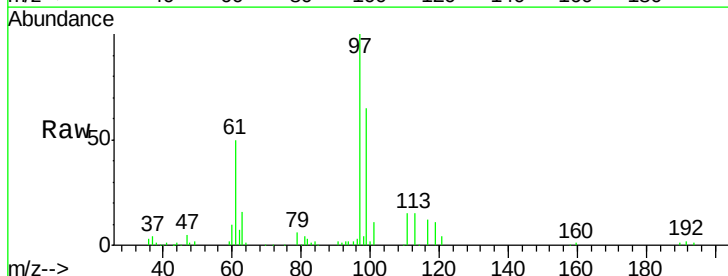


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

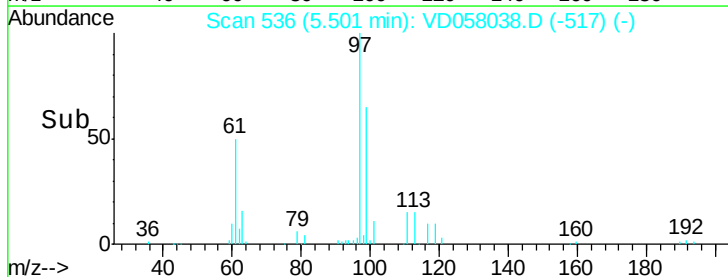
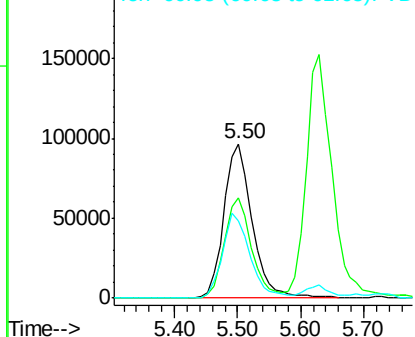


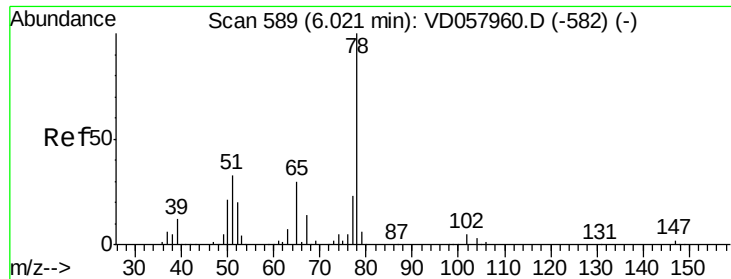
#32
1,1,1-Trichloroethane
Concen: 22.318 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

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



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

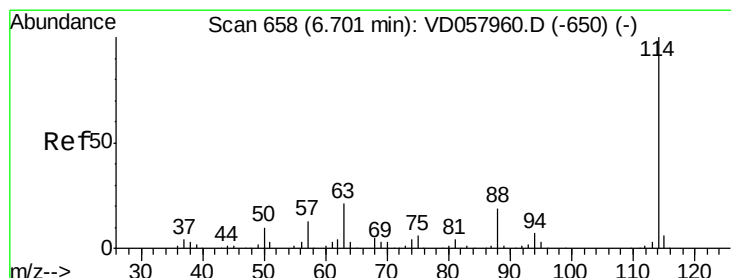
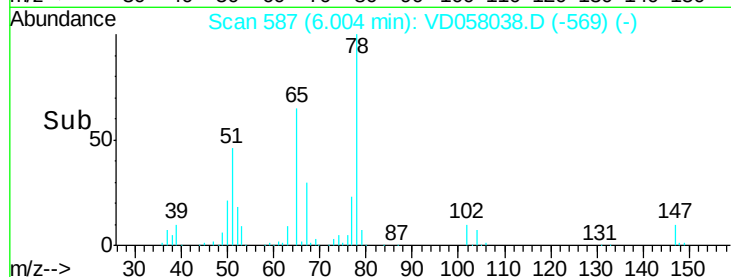
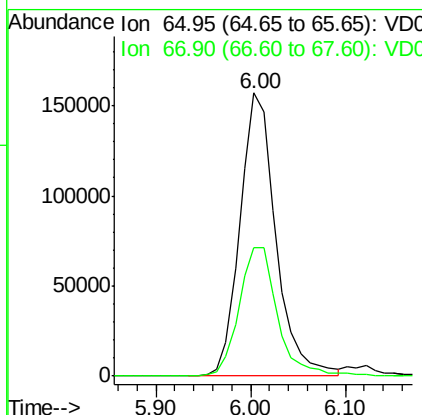
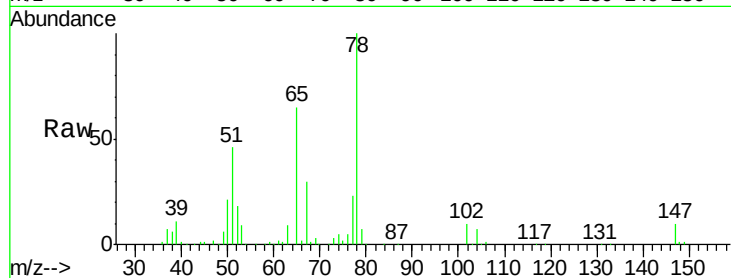




#33
 1,2-Dichloroethane-d4
 Concen: 22.318 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.02 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

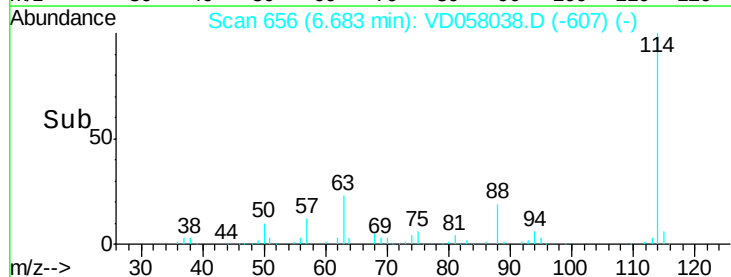
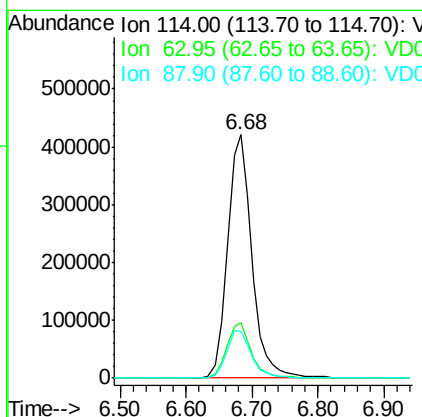
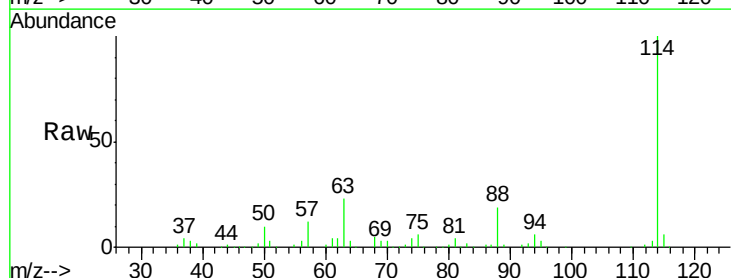
Instrument :
 MSVOA_D
 ClientSampleId :

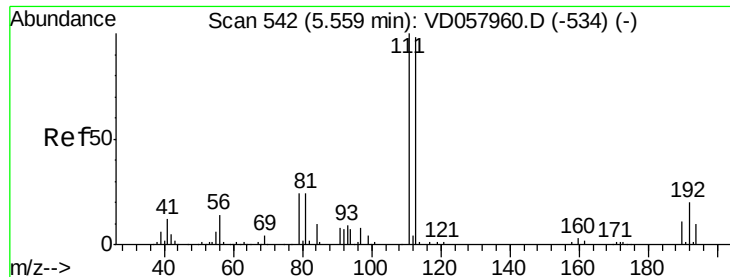
Tot Ion: 65 Resp: 412569
 Ion Ratio Lower Upper
 65 100
 67 45.6 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 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

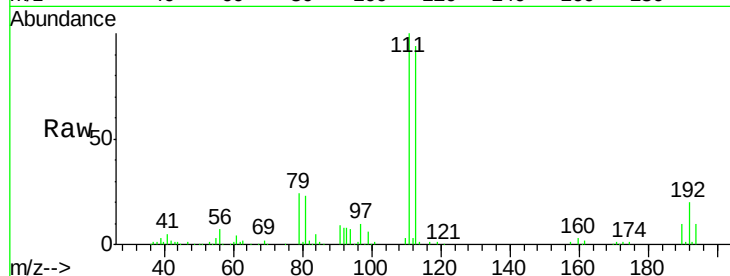




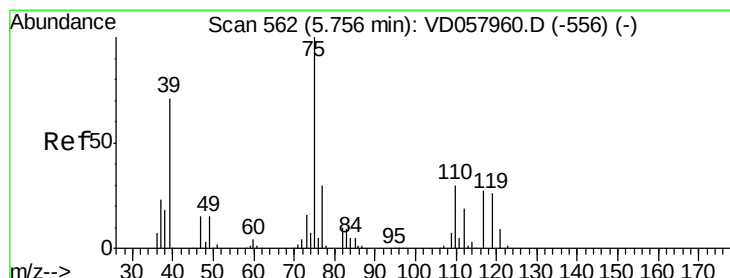
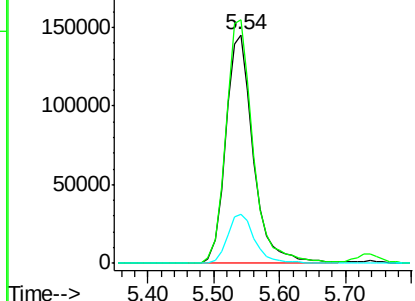
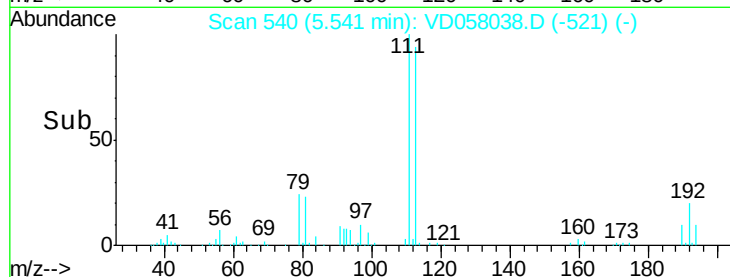
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Instrument :
MSVOA_D
ClientSampleId :

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

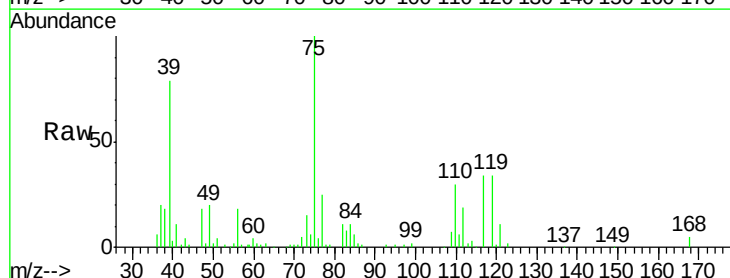


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

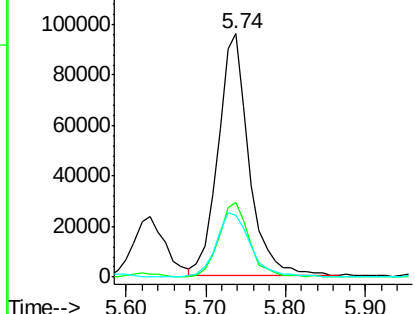
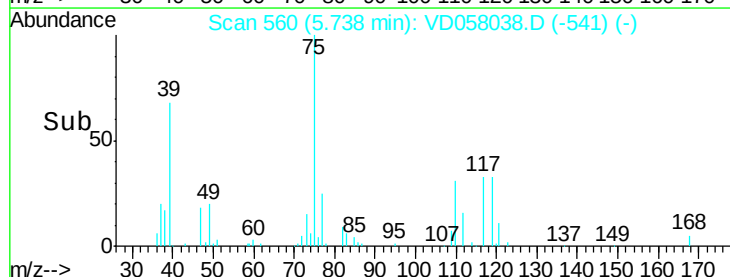


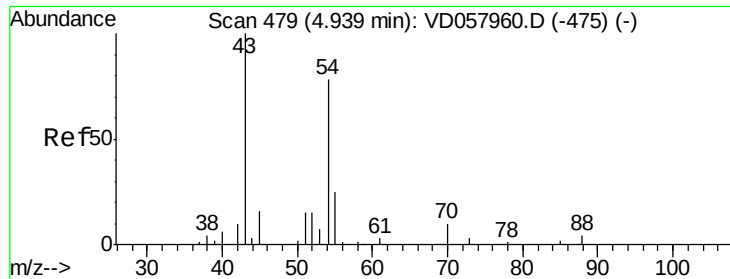
#36
1,1-Dichloropropene
Concen: 21.696 ug/l
RT: 5.74 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

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

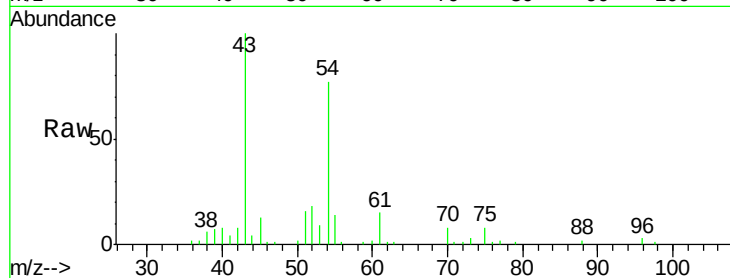




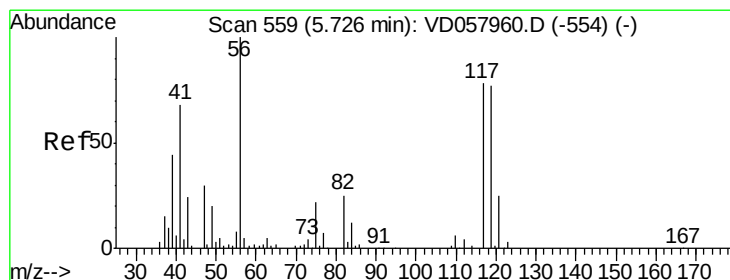
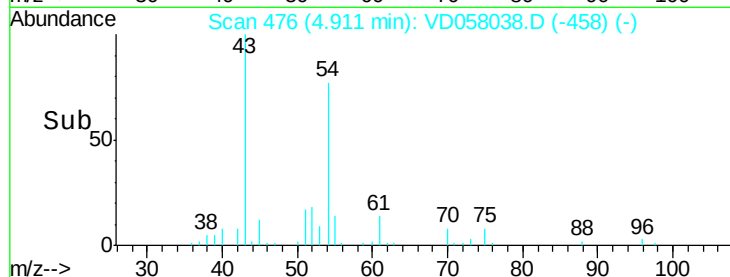
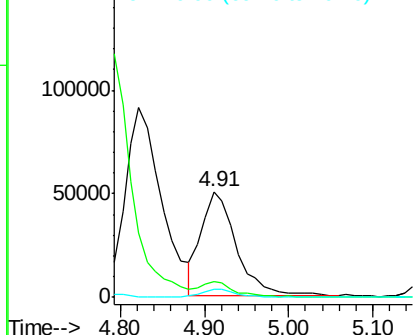
#37
Ethyl Acetate
Concen: 22.161 ug/l
RT: 4.91 min Scan# 476
Delta R.T. -0.03 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Instrument :
MSVOA_D
ClientSampleId :

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

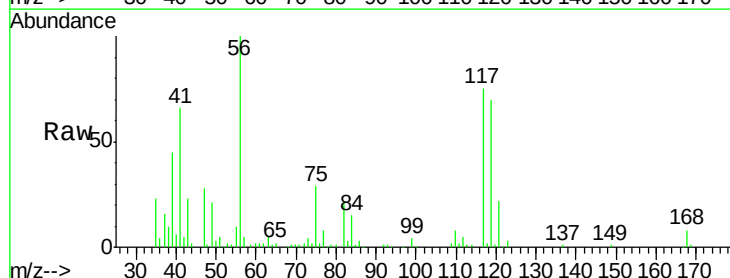


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

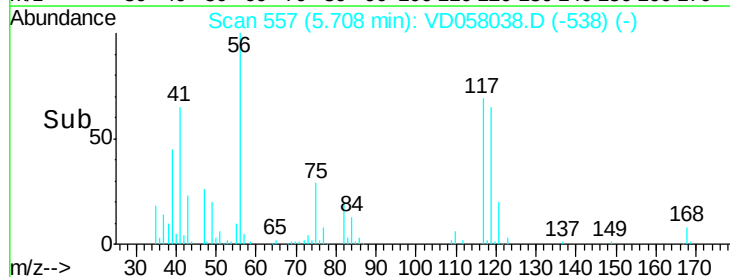
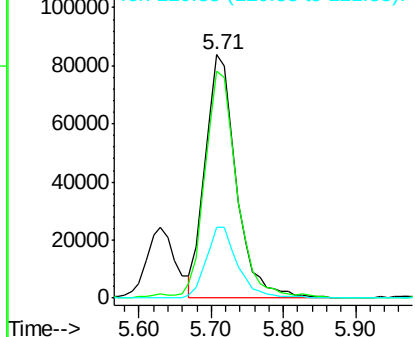


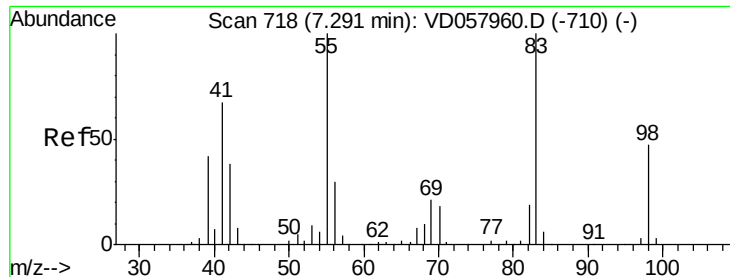
#38
Carbon Tetrachloride
Concen: 20.982 ug/l
RT: 5.71 min Scan# 557
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

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

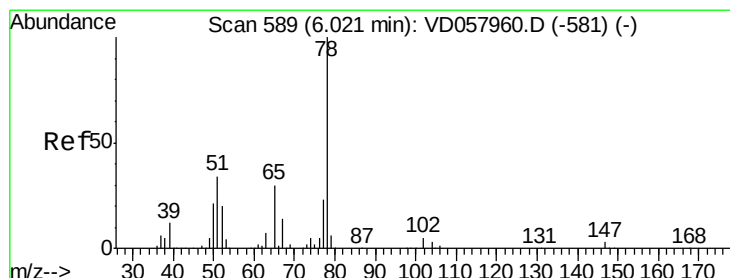
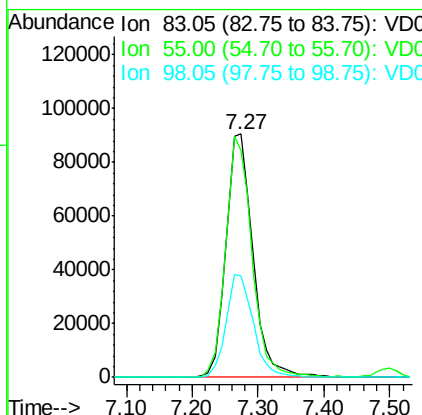
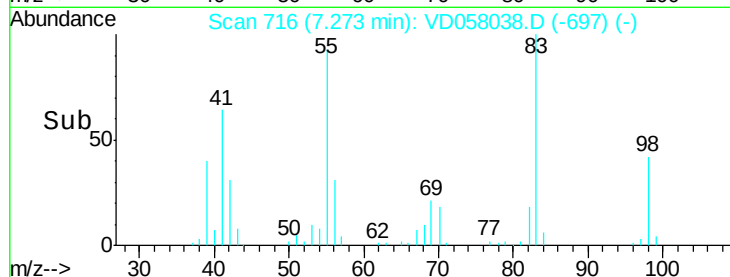
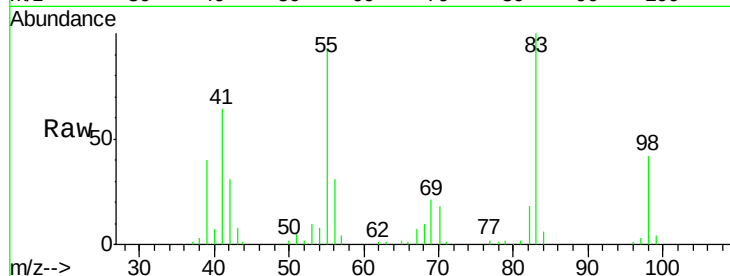




#39
Methvlcvclohexane
Concen: 21.756 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

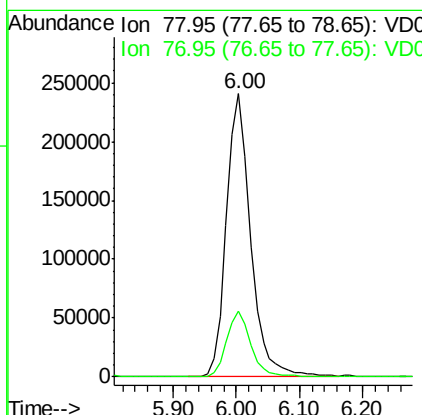
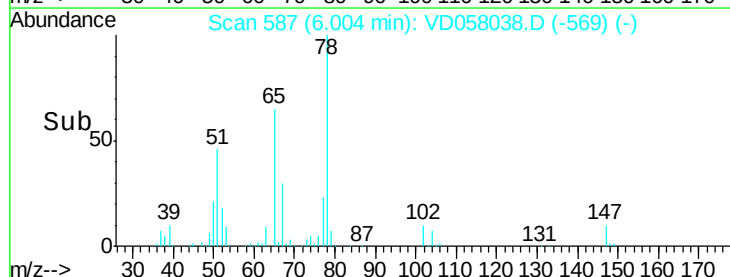
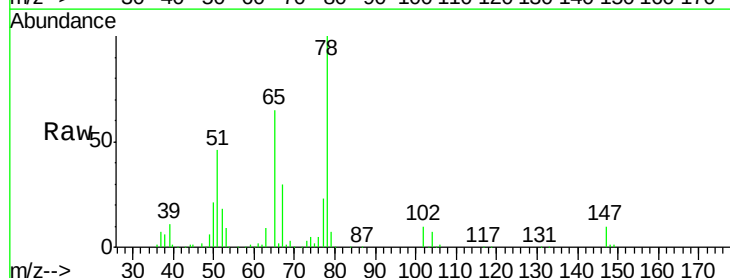
Instrument :
MSVOA_D
ClientSampleId :

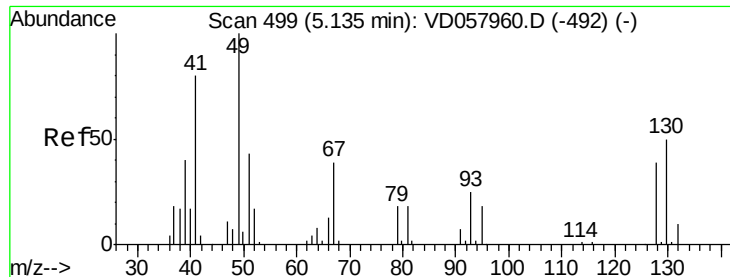
Tot Ion: 83 Resp: 259653
Ion Ratio Lower Upper
83 100
55 93.3 80.3 120.5
98 41.9 38.0 57.0



#40
Benzene
Concen: 22.786 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

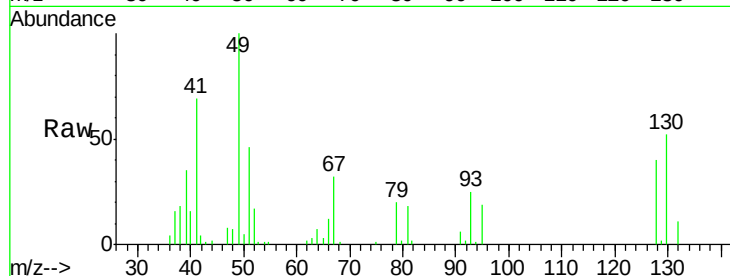




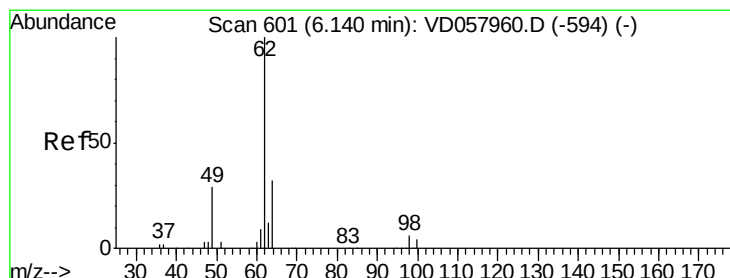
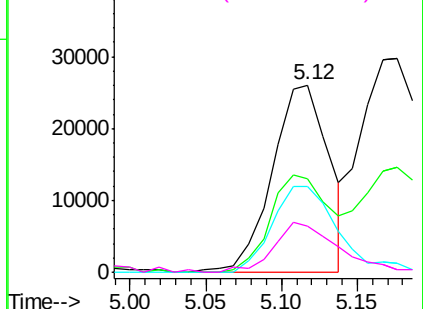
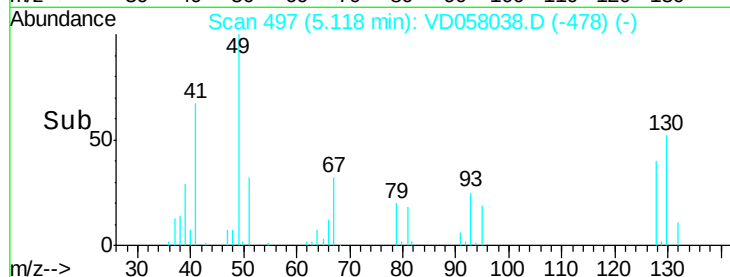
#41
Methacrylonitrile
Concen: 22.715 ug/l
RT: 5.12 min Scan# 497
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Instrument :
MSVOA_D
ClientSampleId :

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

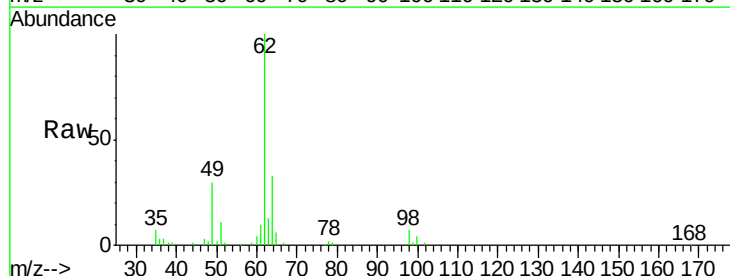


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

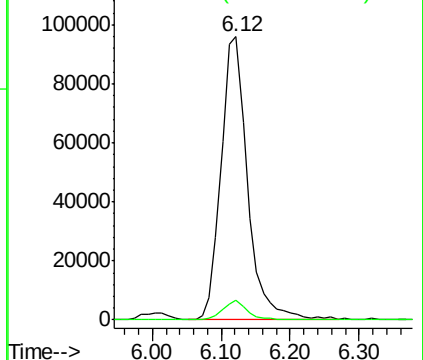
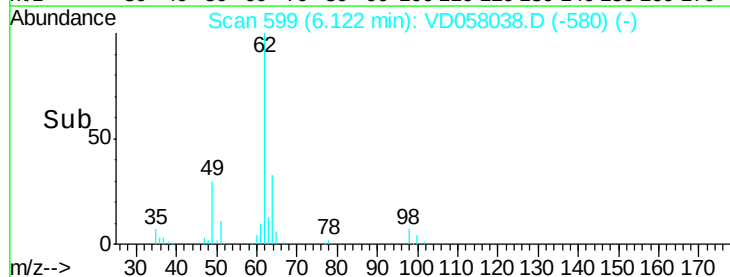


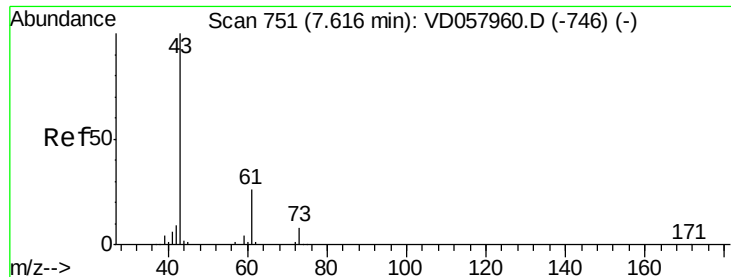
#42
1,2-Dichloroethane
Concen: 22.619 ug/l
RT: 6.12 min Scan# 599
Delta R.T. -0.02 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

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



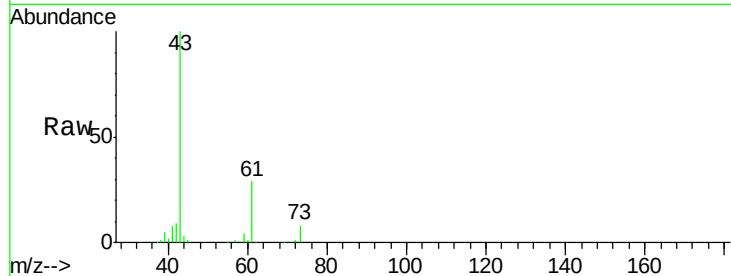


#43

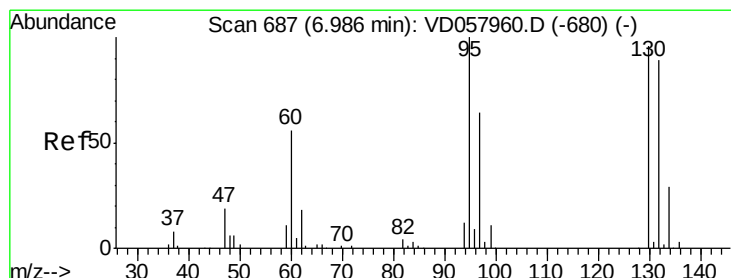
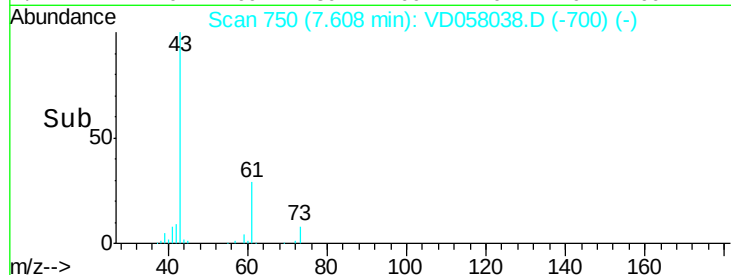
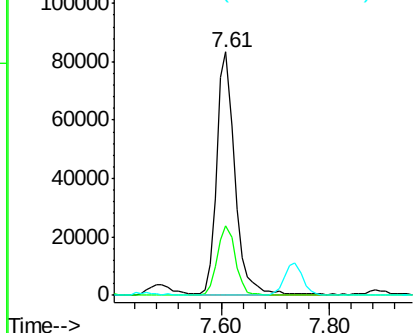
Isopropyl Acetate
 Concen: 22.701 ug/l
 RT: 7.61 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

Instrument :
 MSVOA_D
 ClientSampled :

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#



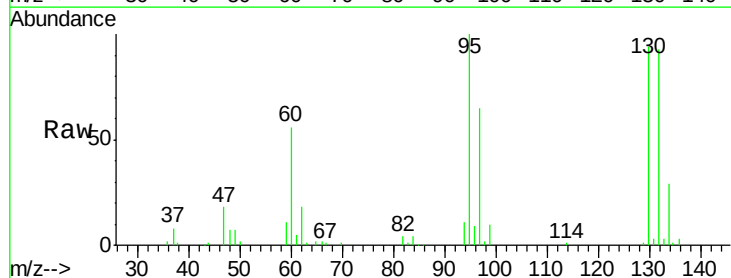
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



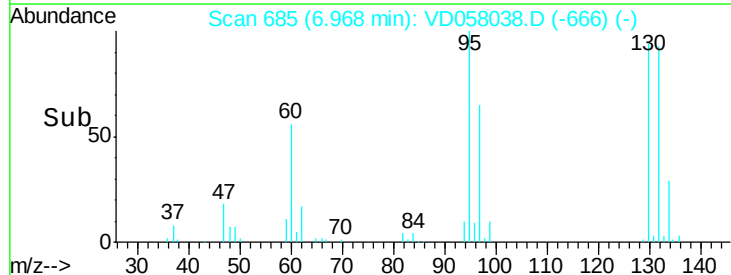
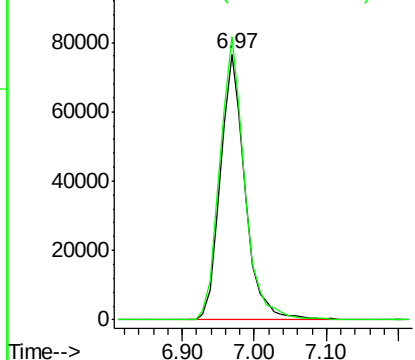
#44

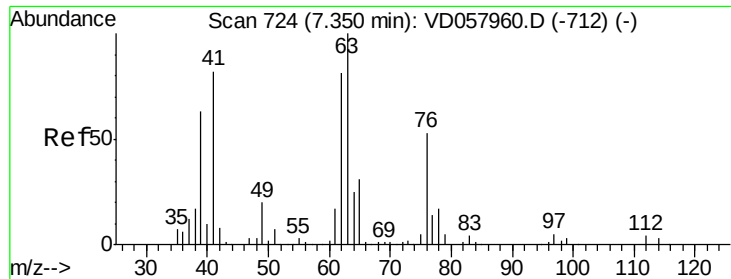
Trichloroethene
 Concen: 21.912 ug/l
 RT: 6.97 min Scan# 685
 Delta R.T. -0.02 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

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

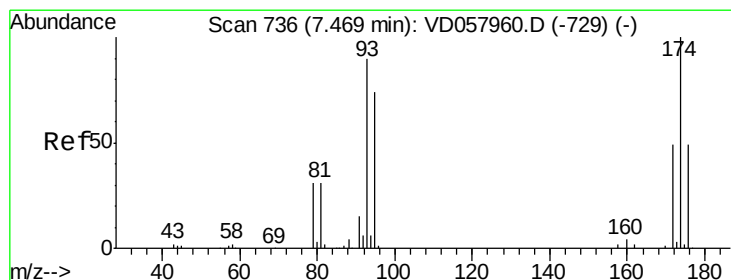
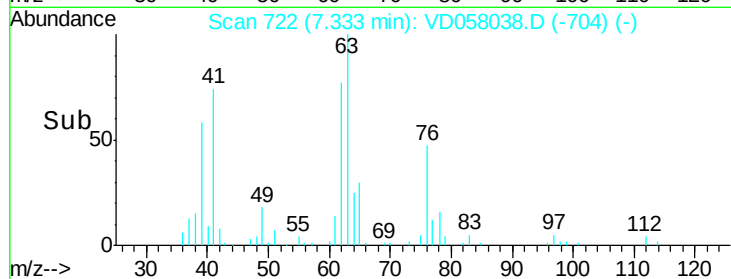
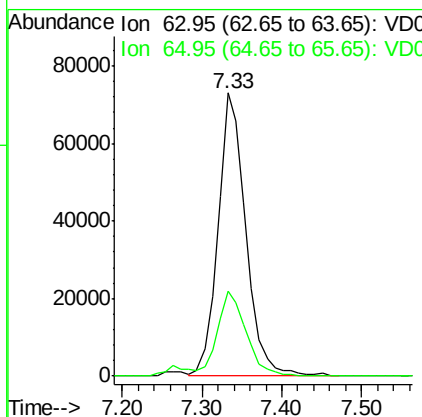
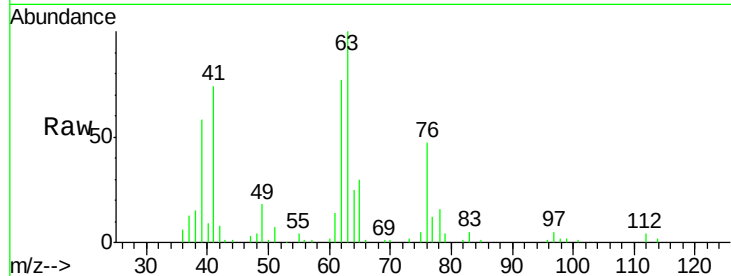




#45
 1,2-Dichloropropane
 Concen: 22.890 ug/l
 RT: 7.33 min Scan# 722
 Delta R.T. -0.02 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

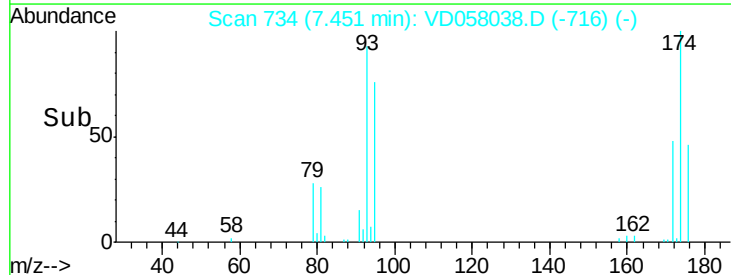
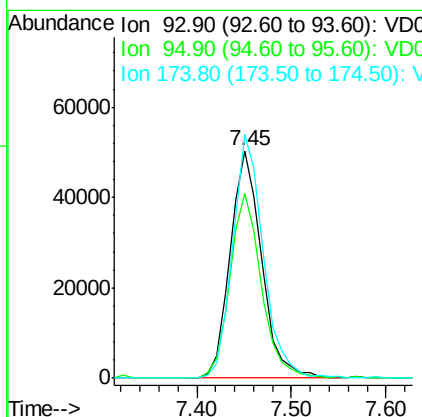
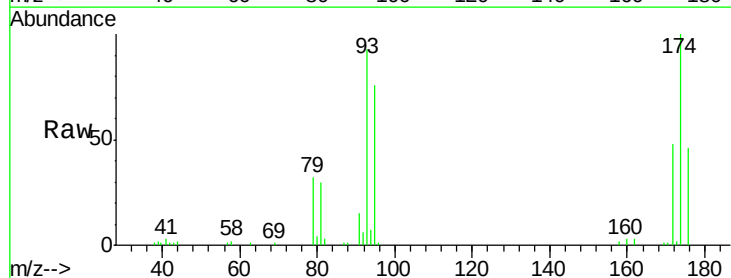
Instrument :
 MSVOA_D
 ClientSampled :

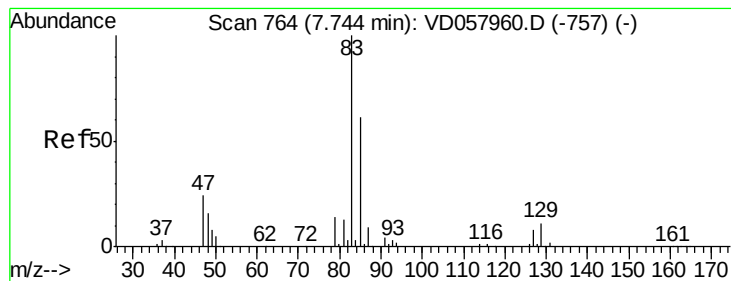
Tot Ion: 63 Resp: 178925
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.9 37.3



#46
 Dibromomethane
 Concen: 22.943 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





#47

Bromodichloromethane

Concen: 22.312 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

ClientSampled :

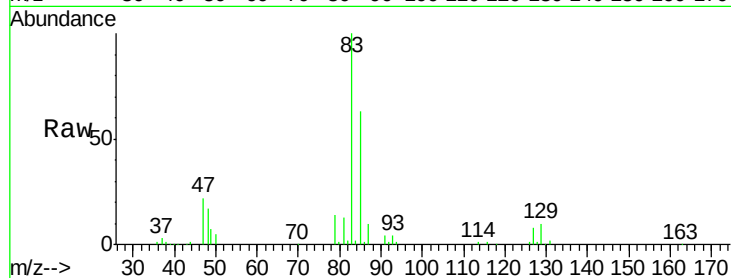
Tot Ion: 83 Resp: 262325

Ion Ratio Lower Upper

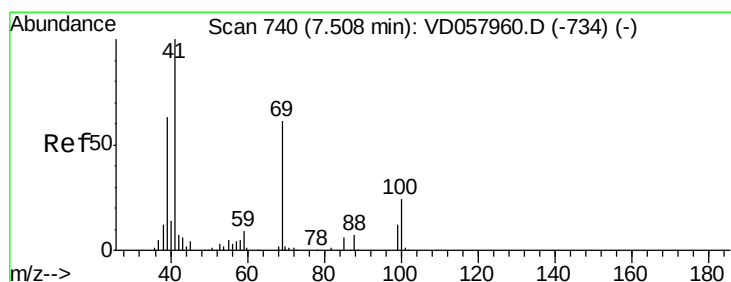
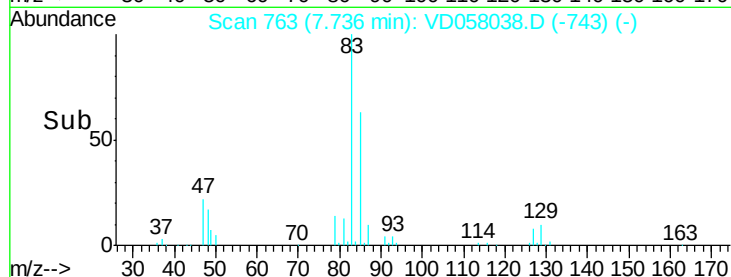
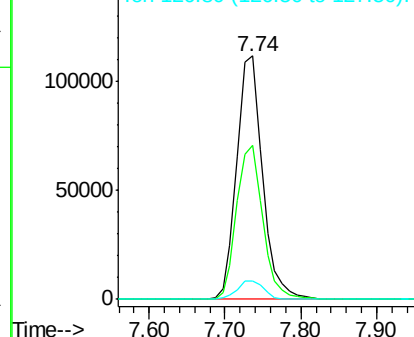
83 100

85 63.4 49.1 73.7

127 7.6 6.2 9.2



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



#48

Methyl methacrylate

Concen: 21.094 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

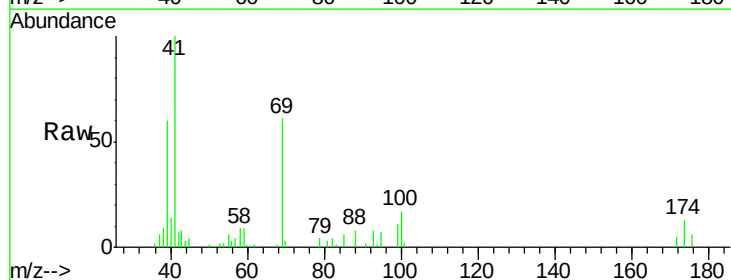
Tgt Ion: 41 Resp: 111717

Ion Ratio Lower Upper

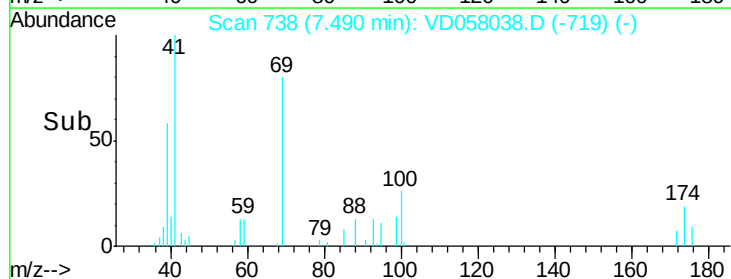
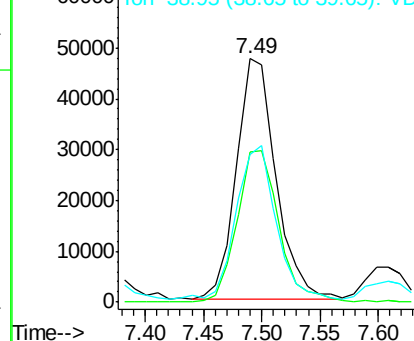
41 100

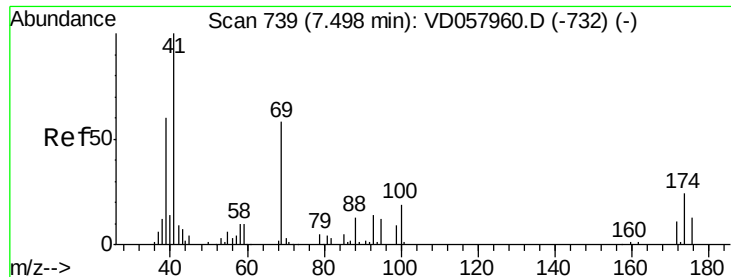
69 61.4 48.0 72.0

39 60.5 50.7 76.1



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

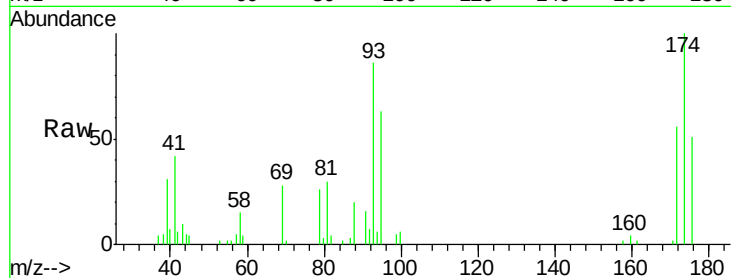




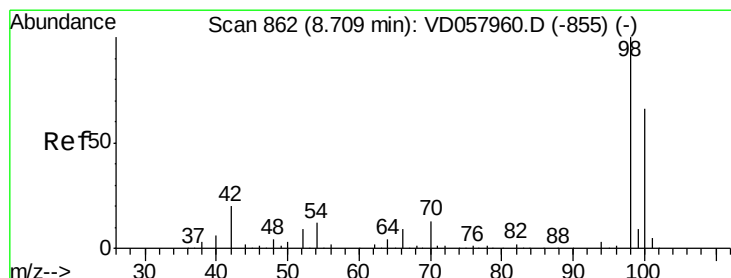
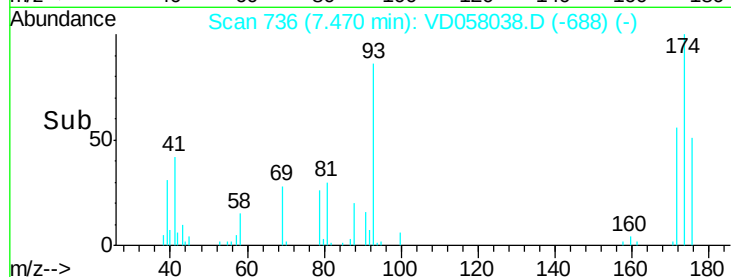
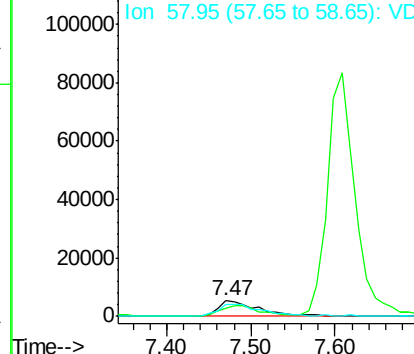
#49
1,4-Dioxane
Concen: 411.196 ug/l
RT: 7.47 min Scan# 736
Delta R.T. -0.03 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Instrument :
MSVOA_D
ClientSampleId :

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

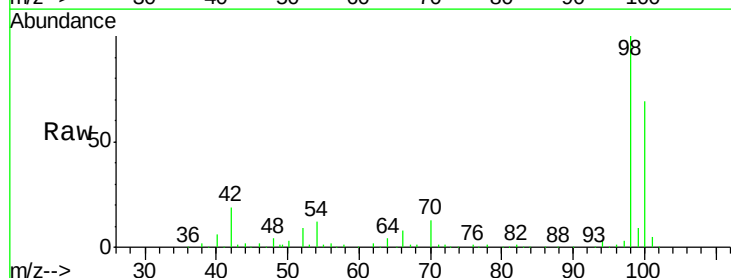


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

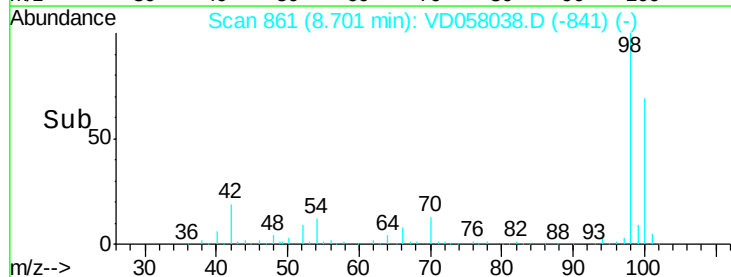
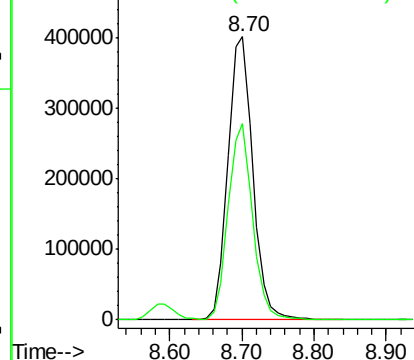


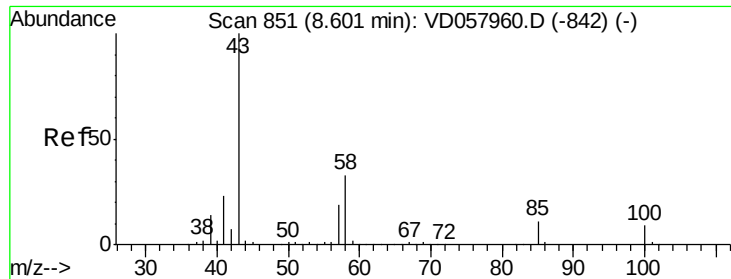
#50
Toluene-d8
Concen: 411.196 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

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: 113.998 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

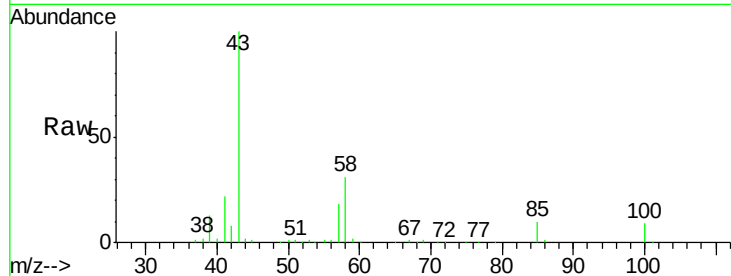
ClientSampleId :

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

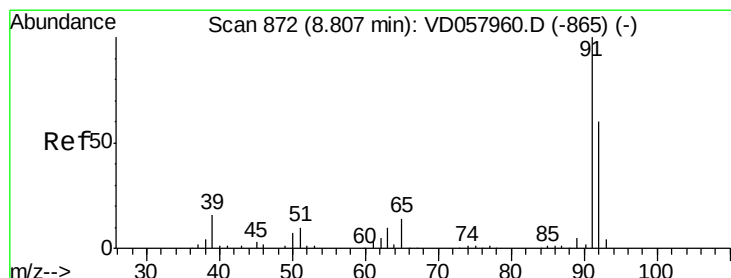
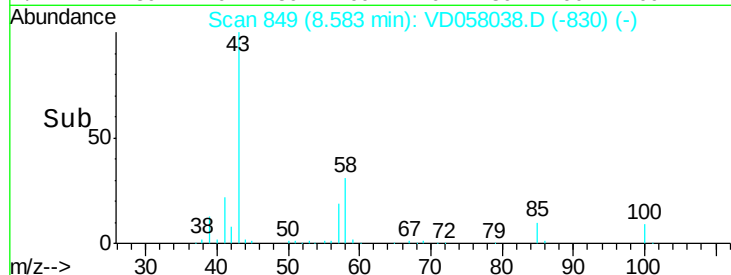
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.497 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.02 min

Lab File: VD058038.D

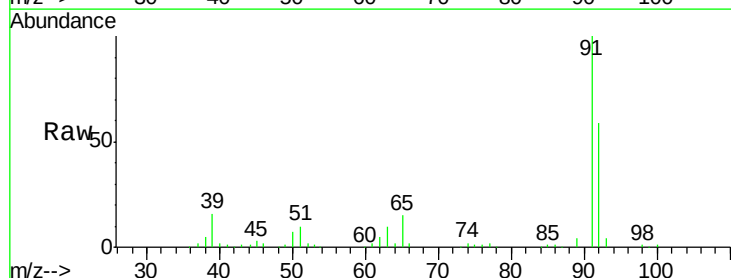
Acq: 9 Jun 2018 2:38

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

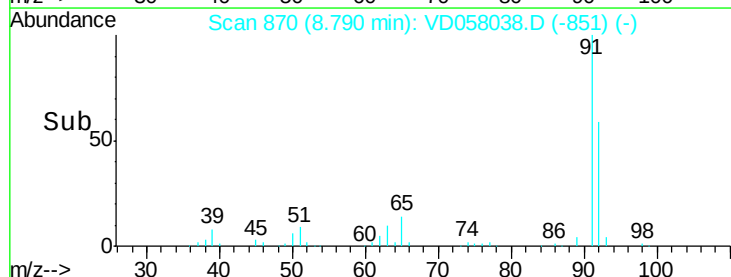
150000

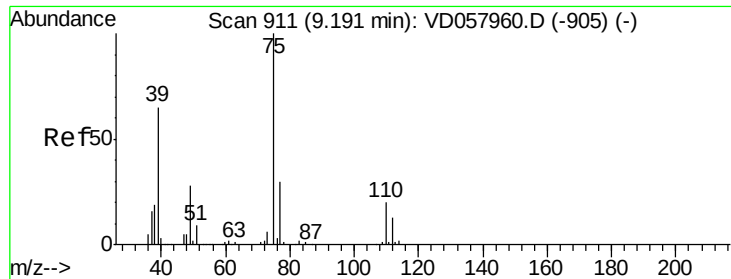
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.360 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

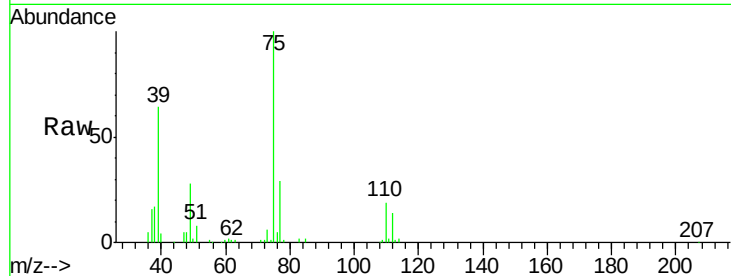
ClientSampled :

Tot Ion: 75 Resp: 216372

Ion Ratio Lower Upper

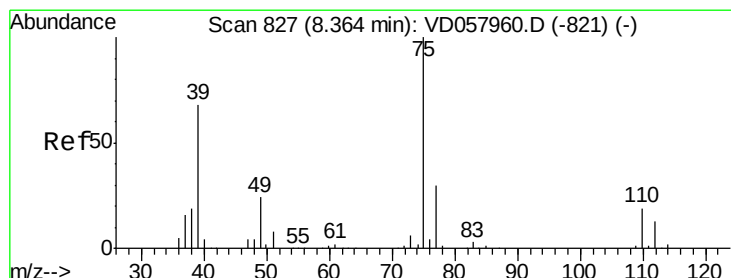
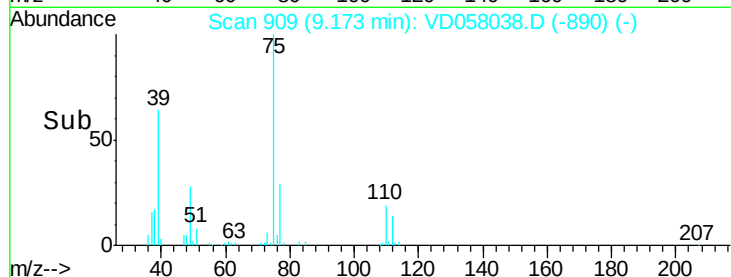
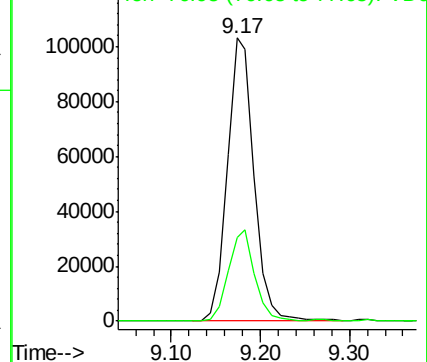
75 100

77 29.4 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.373 ug/l

RT: 8.35 min Scan# 825

Delta R.T. -0.02 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

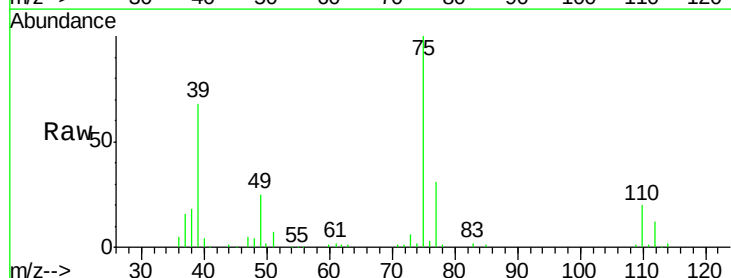
Tgt Ion: 75 Resp: 266996

Ion Ratio Lower Upper

75 100

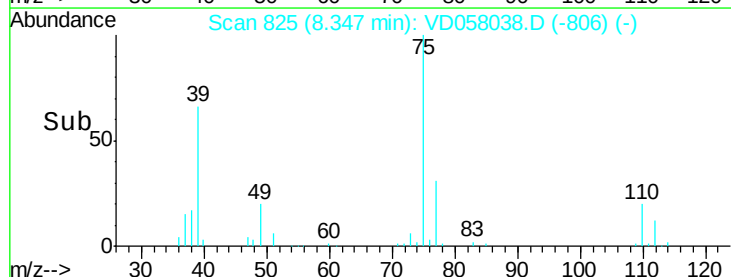
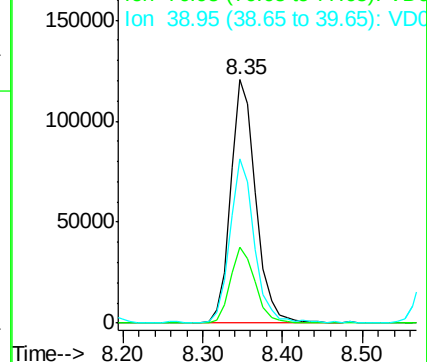
77 31.1 24.1 36.1

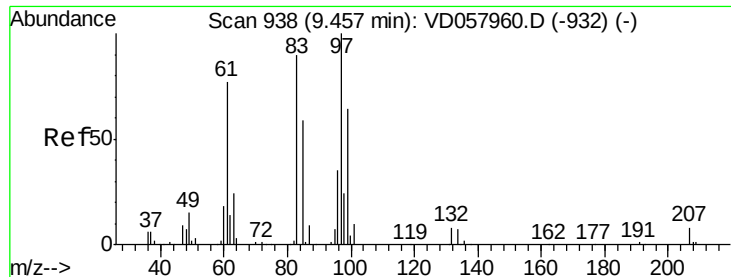
39 67.6 54.0 81.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

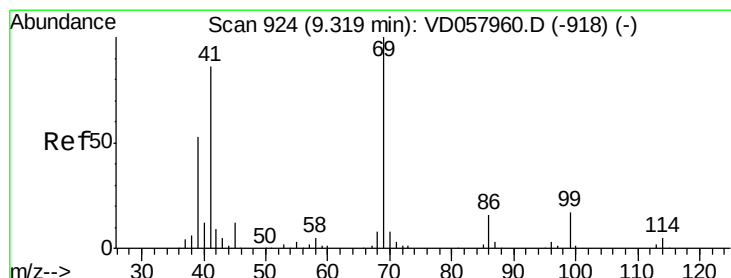
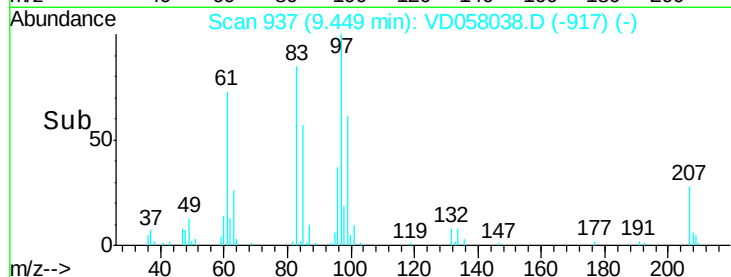
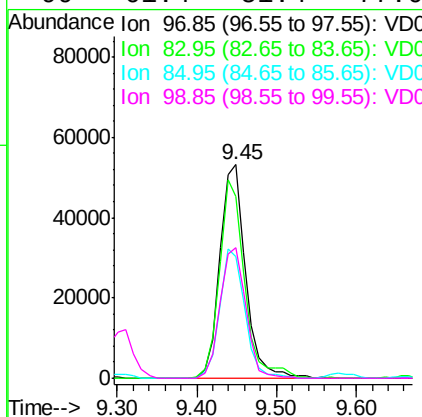
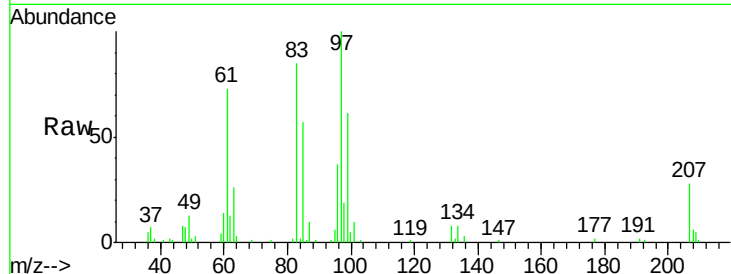




#55
 1,1,2-Trichloroethane
 Concen: 23.180 ug/l
 RT: 9.45 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

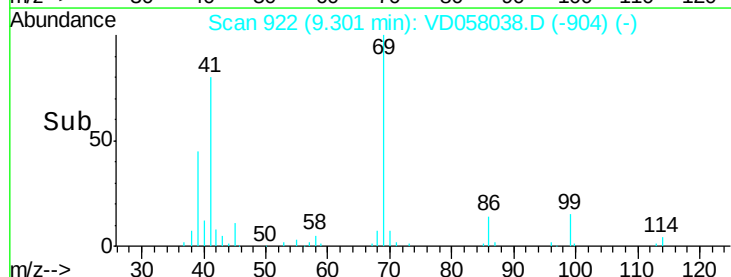
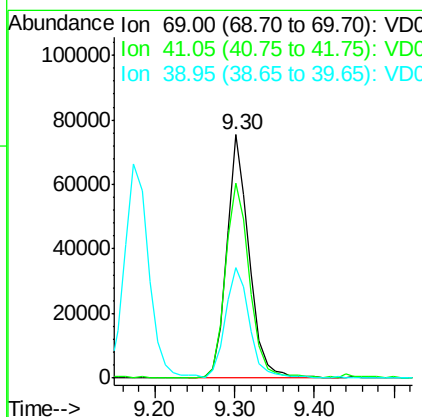
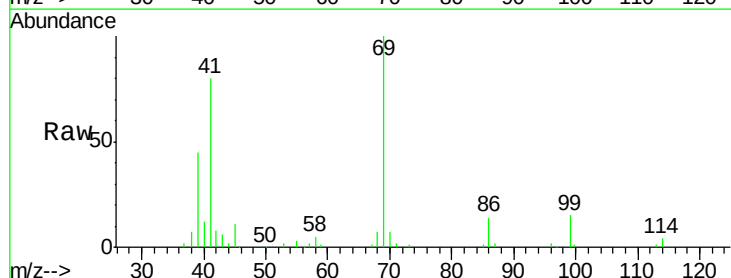
Instrument :
 MSVOA_D
 ClientSampleId :

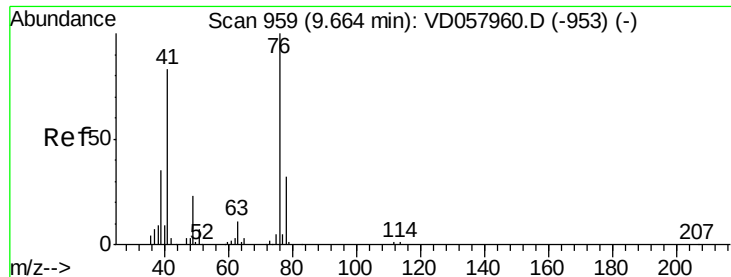
Tot Ion: 97 Resp: 121091
 Ion Ratio Lower Upper
 97 100
 83 84.9 71.8 107.8
 85 56.9 47.2 70.8
 99 61.4 51.4 77.0



#56
 Ethyl methacrylate
 Concen: 23.161 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: 23.875 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

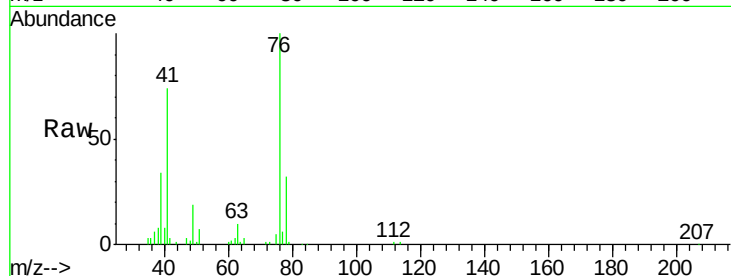
ClientSampled :

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

9.66

100000

80000

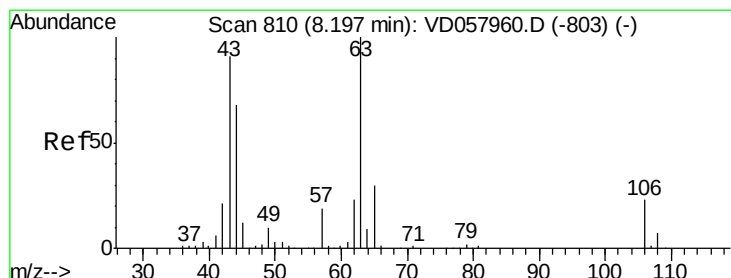
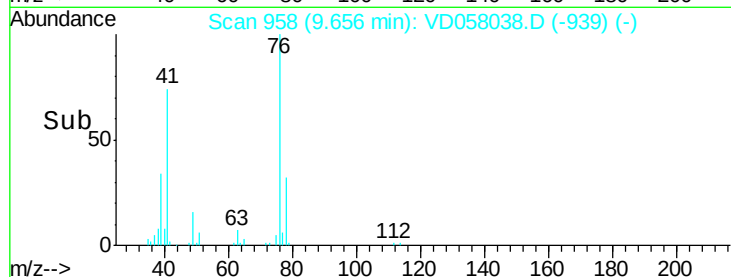
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 120.813 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD058038.D

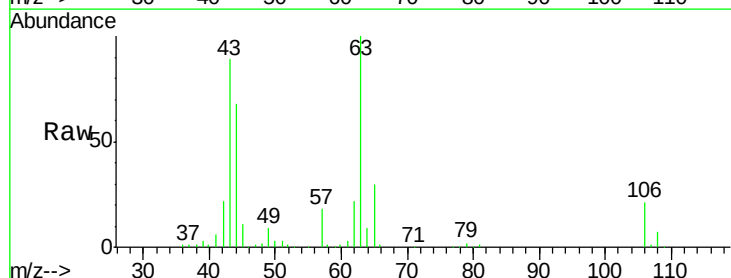
Acq: 9 Jun 2018 2:38

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

8.18

200000

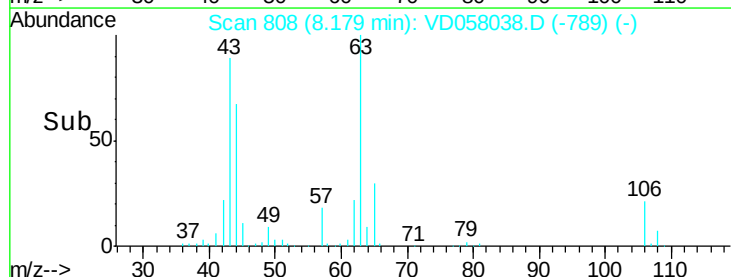
150000

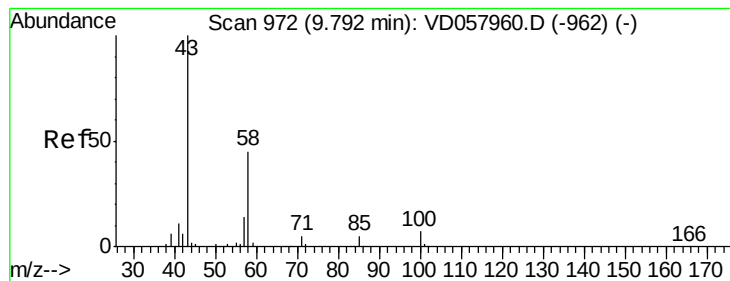
100000

50000

0

Time-->





#59

2-Hexanone

Concen: 108.275 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

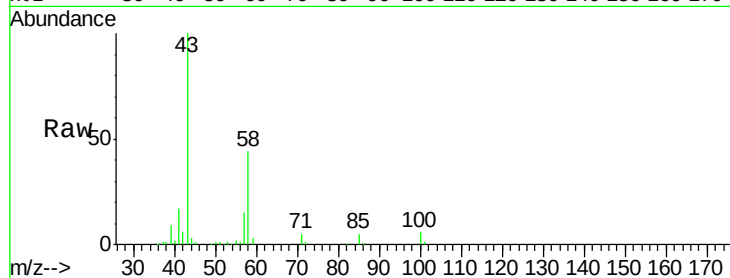
ClientSampled :

Tot Ion: 43 Resp: 437934

Ion Ratio Lower Upper

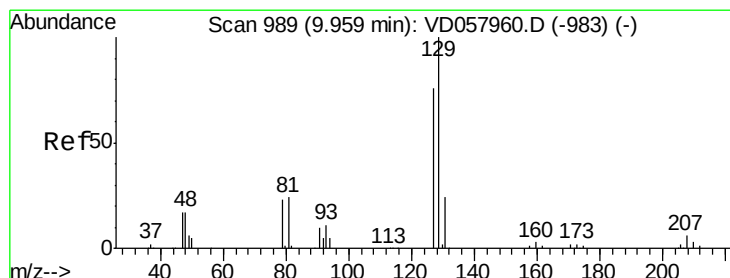
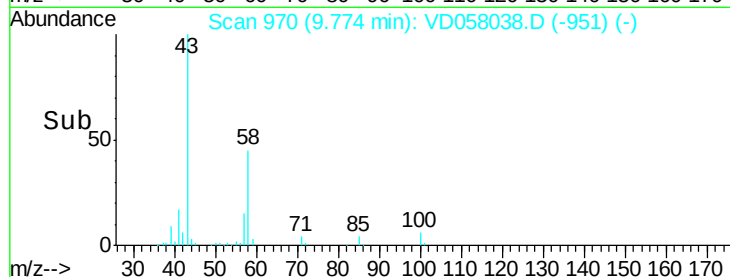
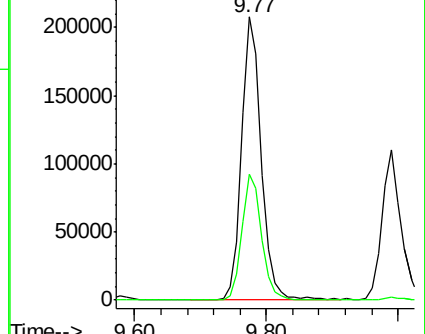
43 100

58 44.4 22.5 67.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 21.922 ug/l

RT: 9.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VD058038.D

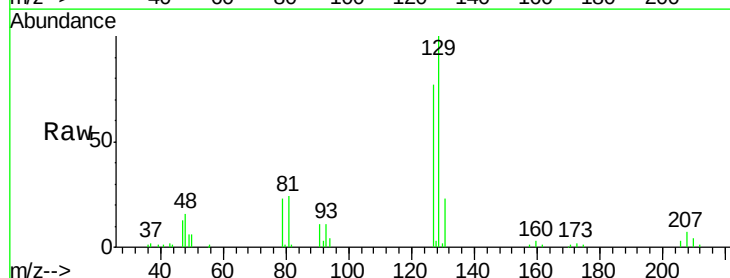
Acq: 9 Jun 2018 2:38

Tgt Ion:129 Resp: 161488

Ion Ratio Lower Upper

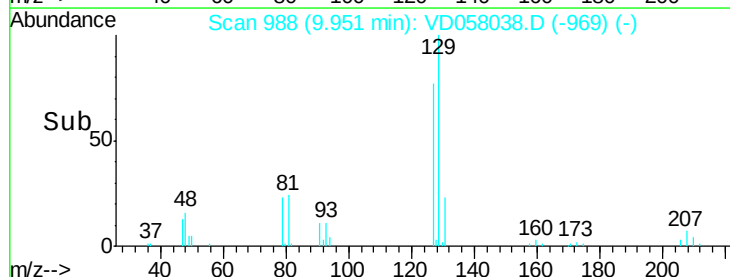
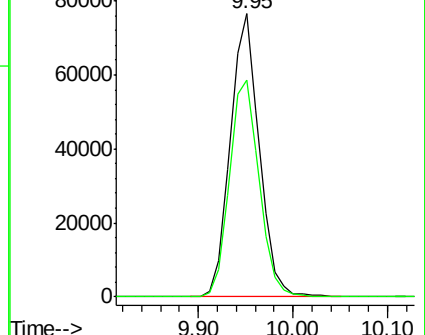
129 100

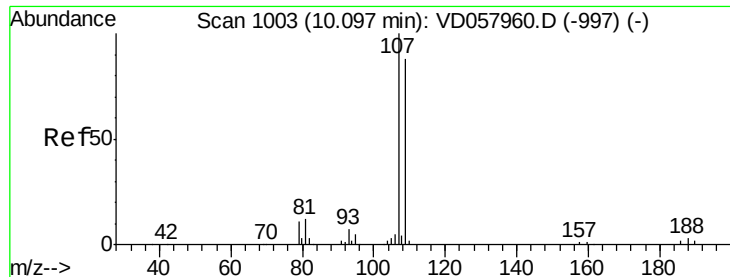
127 76.7 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 22.033 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

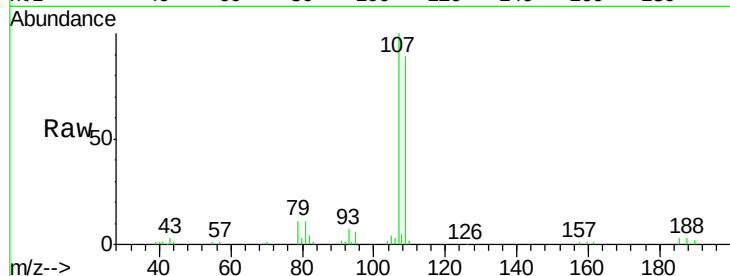
ClientSampleId :

Tot Ion:107 Resp: 132365

Ion Ratio Lower Upper

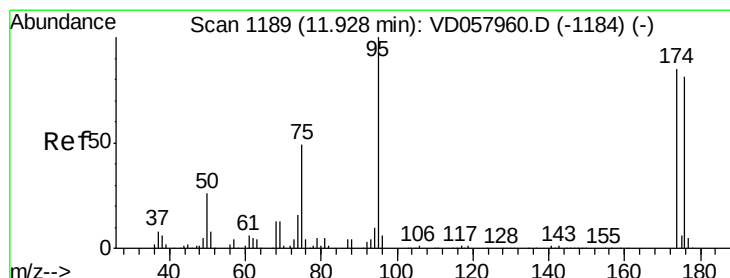
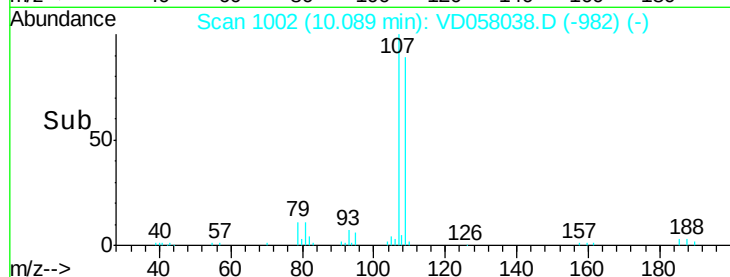
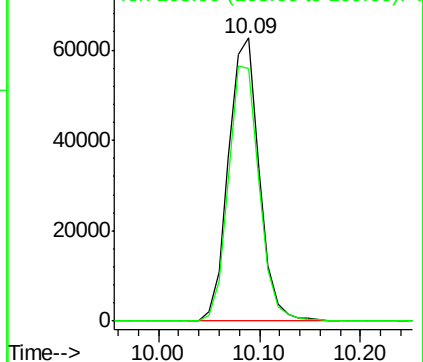
107 100

109 89.4 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.033 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

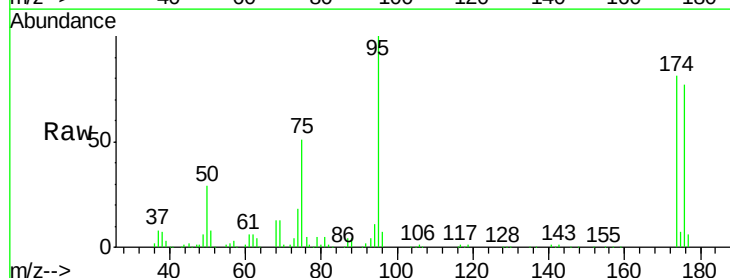
Tgt Ion: 95 Resp: 422828

Ion Ratio Lower Upper

95 100

174 81.3 0.0 169.4

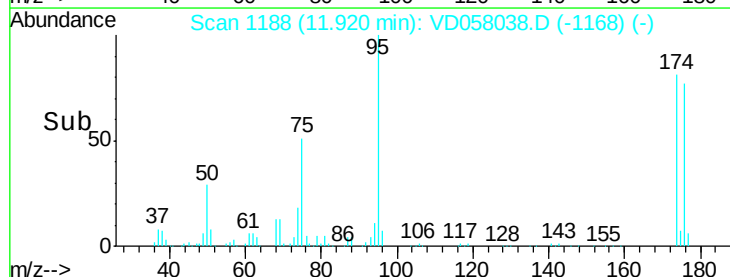
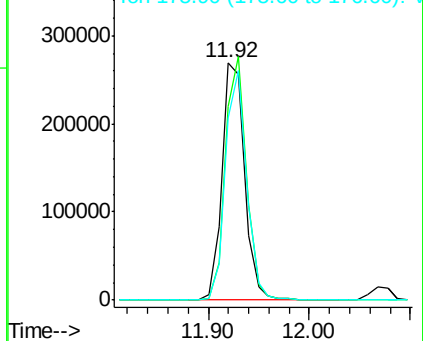
176 76.7 0.0 162.6

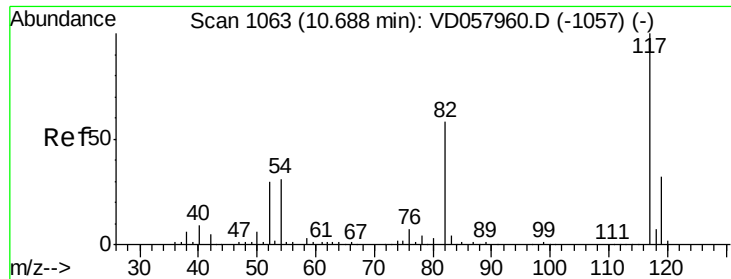


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

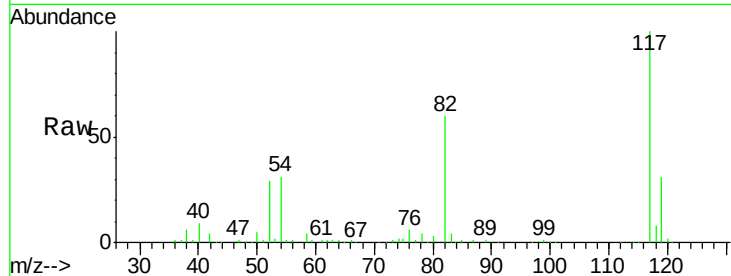




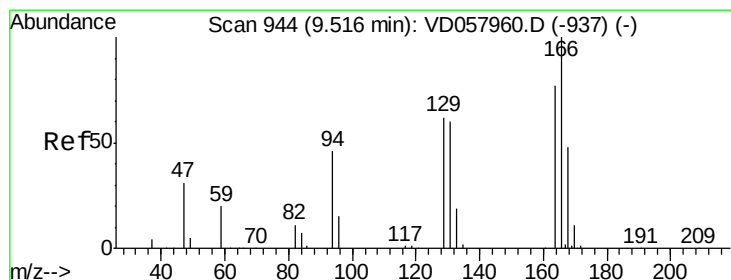
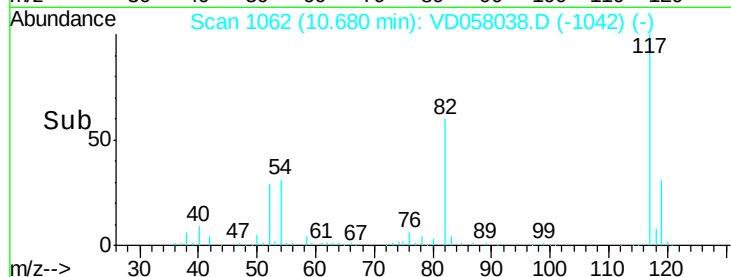
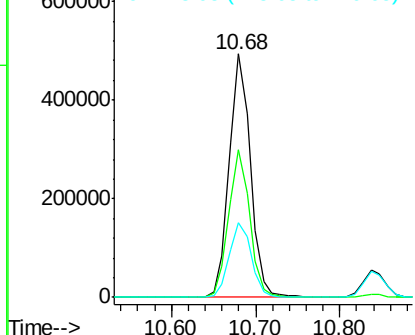
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Instrument :
MSVOA_D
ClientSampleId :

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

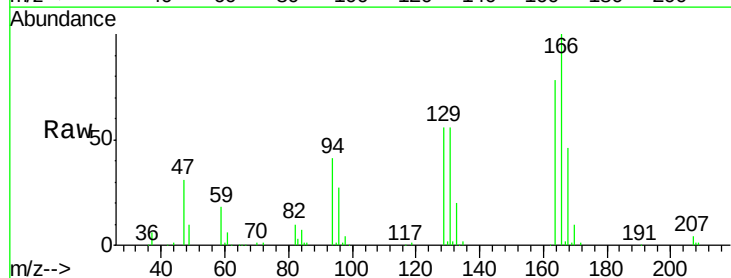


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

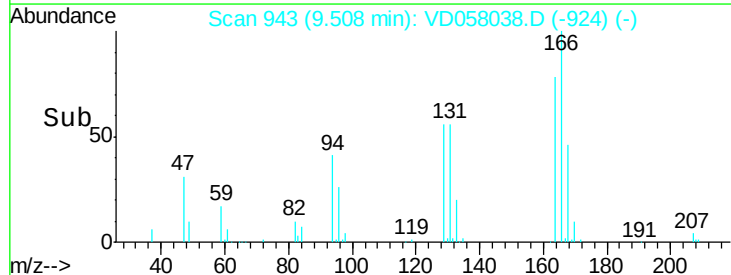
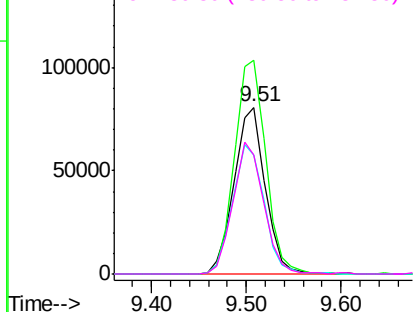


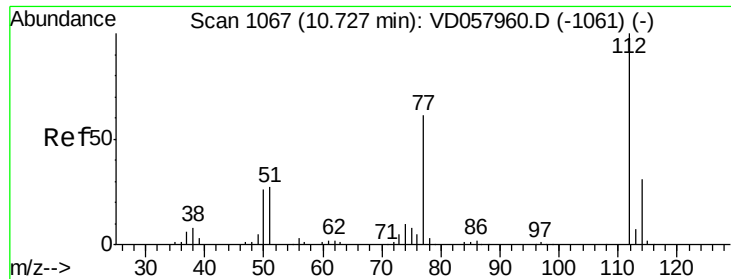
#64
Tetrachloroethene
Concen: 23.638 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

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

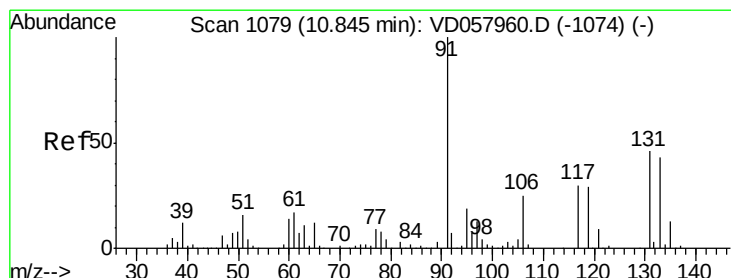
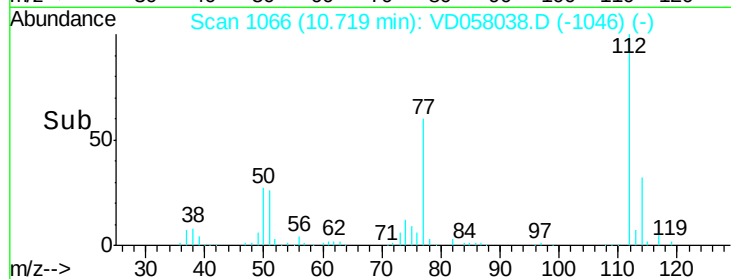
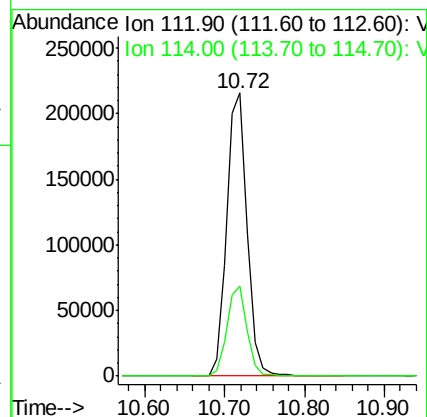
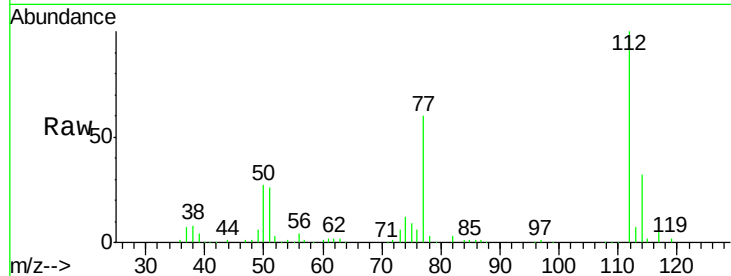




#65
Chlorobenzene
Concen: 22.207 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

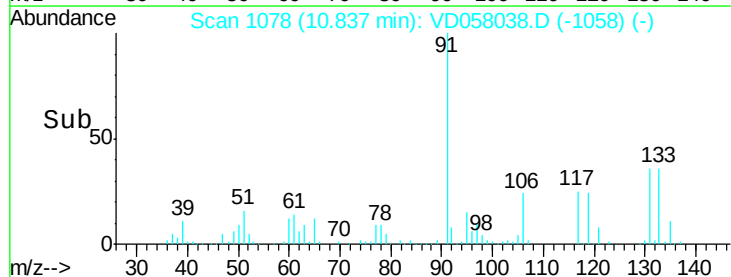
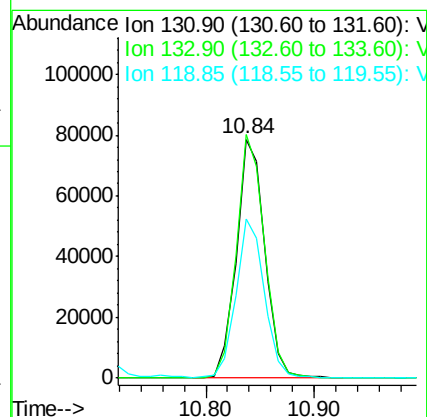
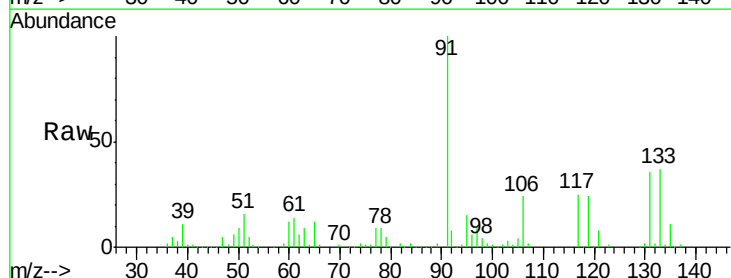
Instrument :
MSVOA_D
ClientSampleId :

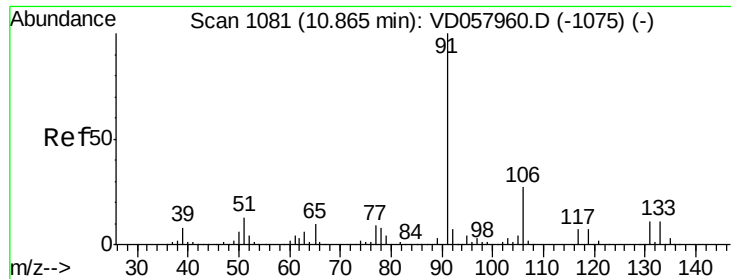
Tot Ion:112 Resp: 390988
Ion Ratio Lower Upper
112 100
114 31.8 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.166 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: 22.690 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

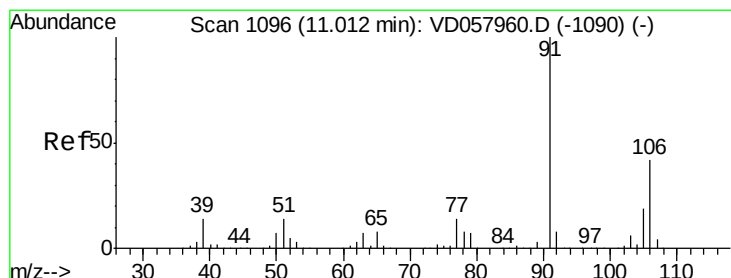
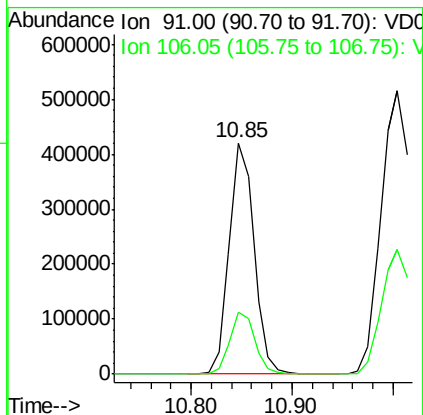
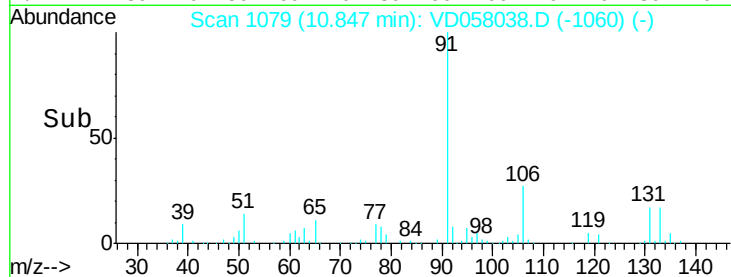
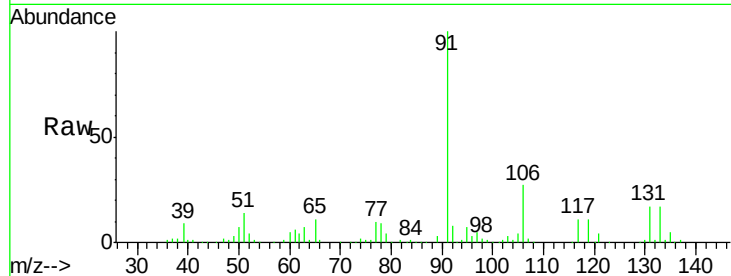
ClientSampleId :

Tot Ion: 91 Resp: 721736

Ion Ratio Lower Upper

91 100

106 27.0 21.5 32.3



#68

m/p-Xylenes

Concen: 46.356 ug/l

RT: 11.00 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VD058038.D

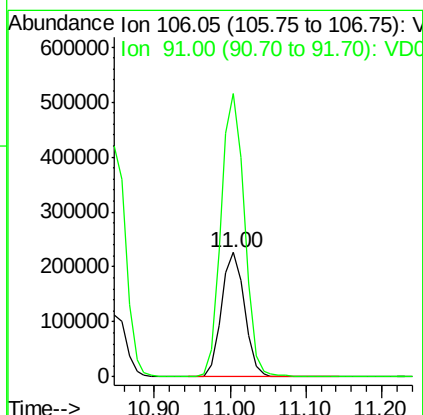
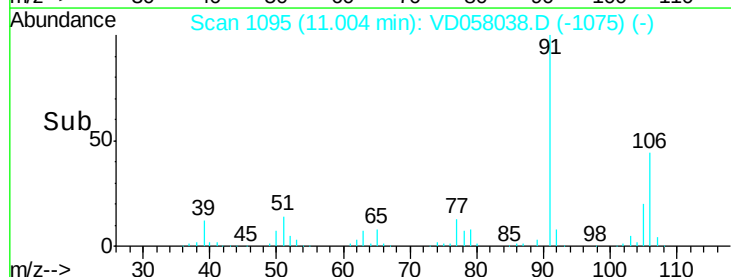
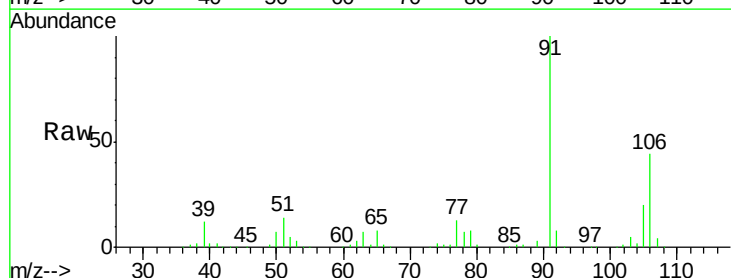
Acq: 9 Jun 2018 2:38

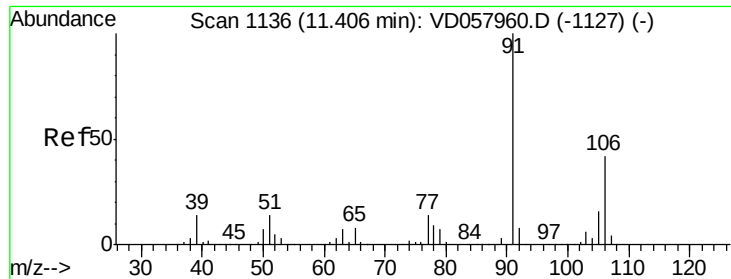
Tgt Ion: 106 Resp: 480700

Ion Ratio Lower Upper

106 100

91 228.0 190.4 285.6

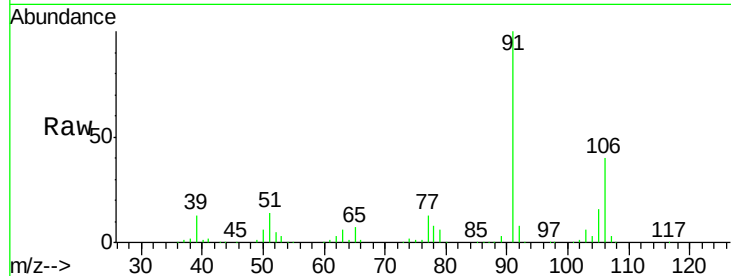




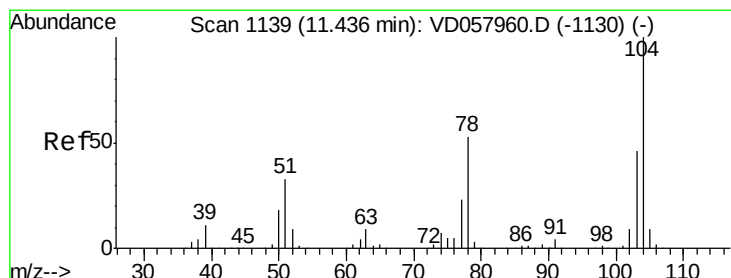
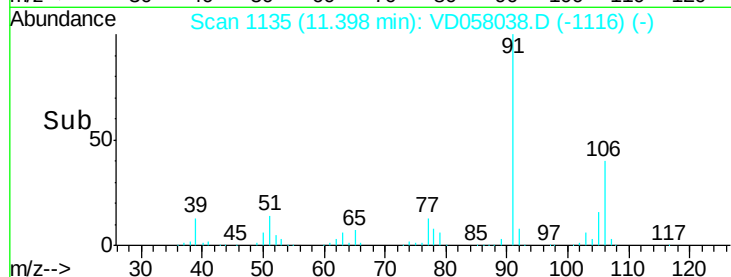
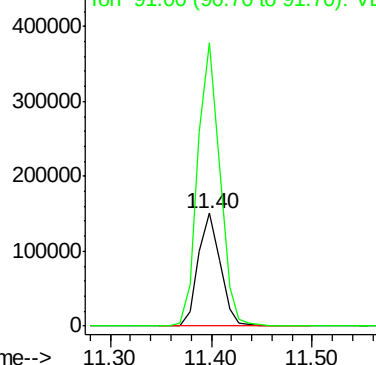
#69
o-Xylene
Concen: 22.533 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

Instrument :
MSVOA_D
ClientSampled :

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

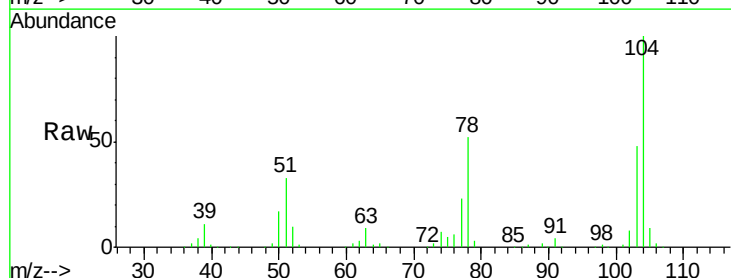


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

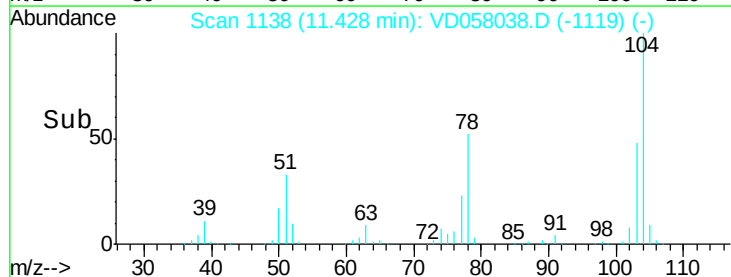
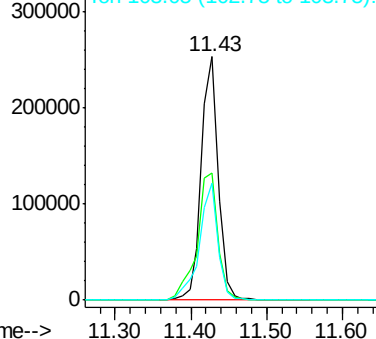


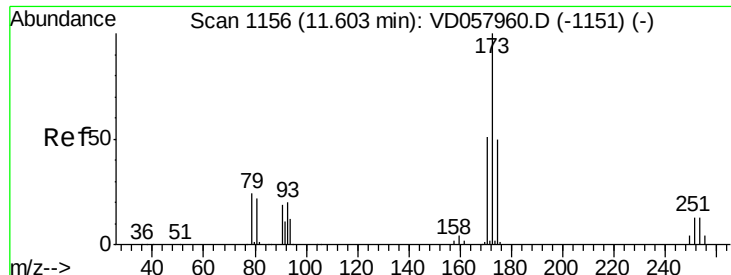
#70
Styrene
Concen: 22.966 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

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

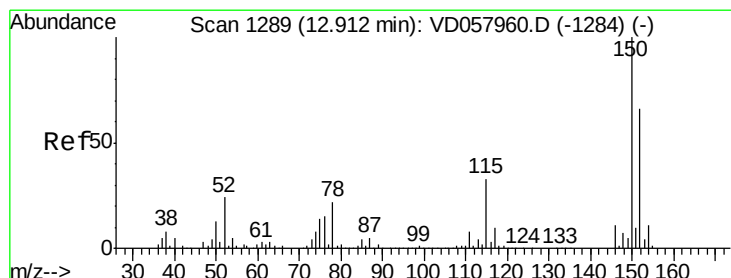
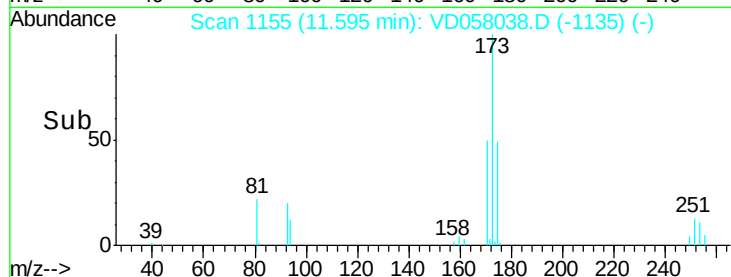
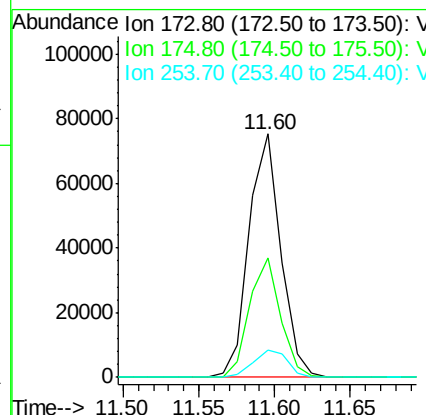
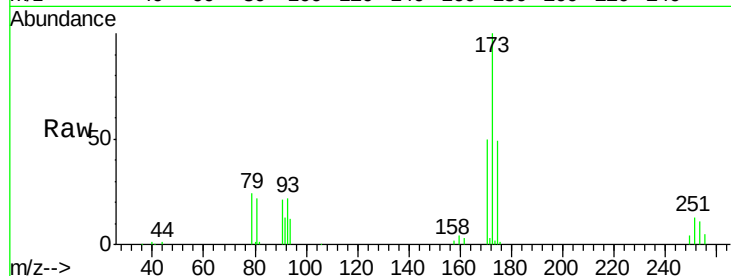




#71
Bromoform
Concen: 21.698 ug/l
RT: 11.60 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

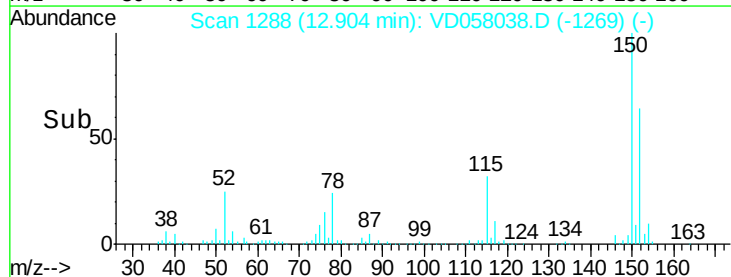
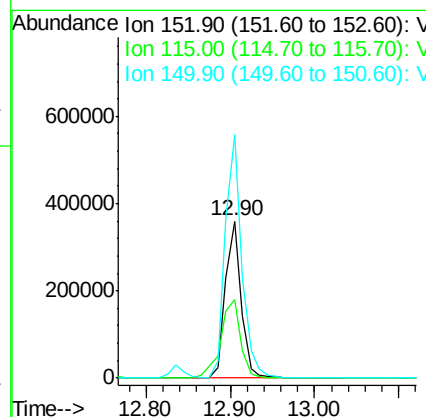
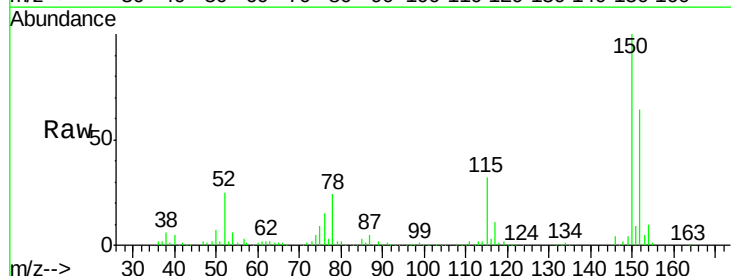
Instrument :
MSVOA_D
ClientSampleId :

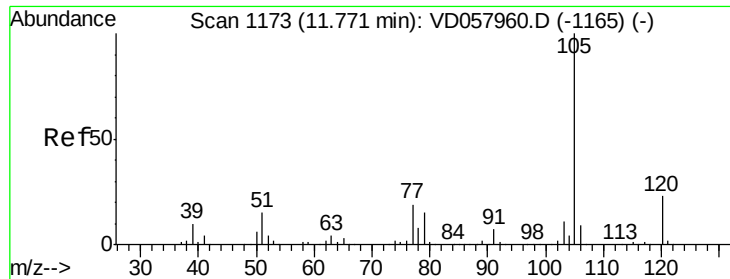
Tot Ion:173 Resp: 110415
Ion Ratio Lower Upper
173 100
175 49.0 25.1 75.2
254 11.2 10.7 16.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 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: 21.336 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

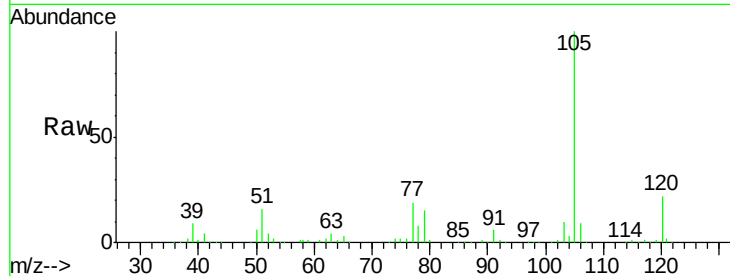
ClientSampleID :

Tot Ion:105 Resp: 662833

Ion Ratio Lower Upper

105 100

120 22.4 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.76

400000

300000

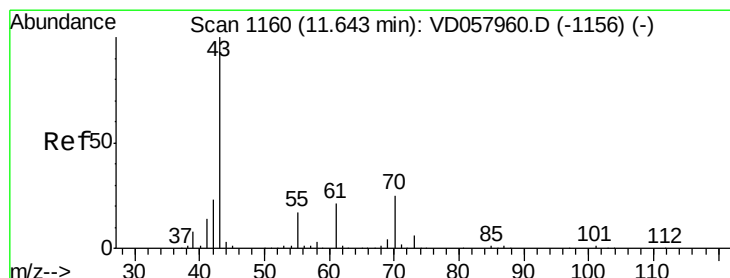
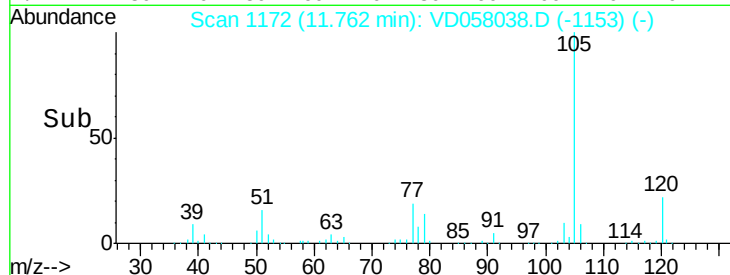
200000

100000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 20.132 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

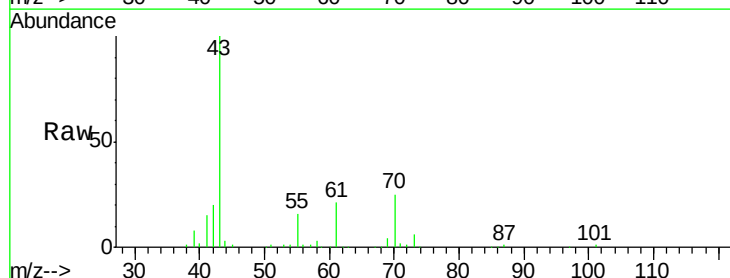
Ion Ratio Lower Upper

43 100

70 24.7 20.3 30.5

55 15.8 13.9 20.9

61 20.9 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

250000

200000

150000

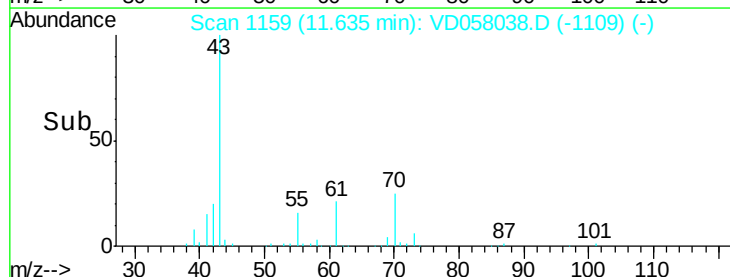
100000

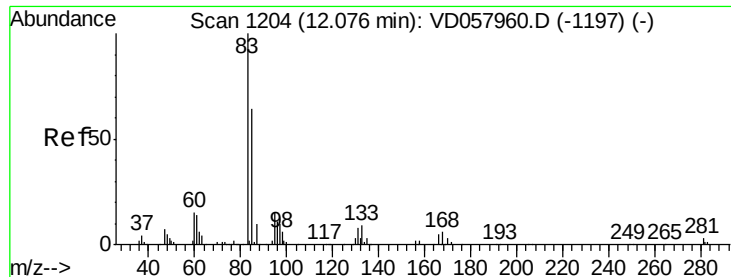
50000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 21.707 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

ClientSampled :

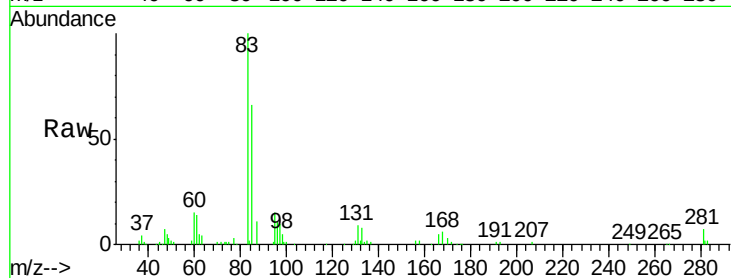
Tot Ion: 83 Resp: 147029

Ion Ratio Lower Upper

83 100

131 9.2 4.2 12.6

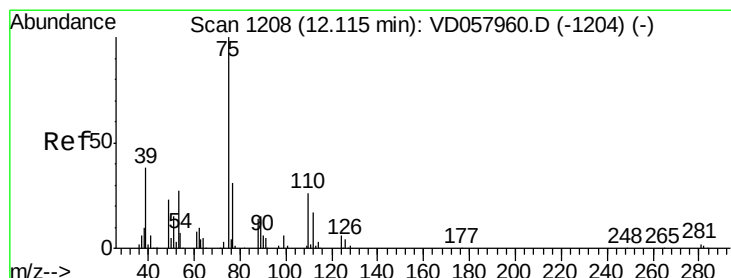
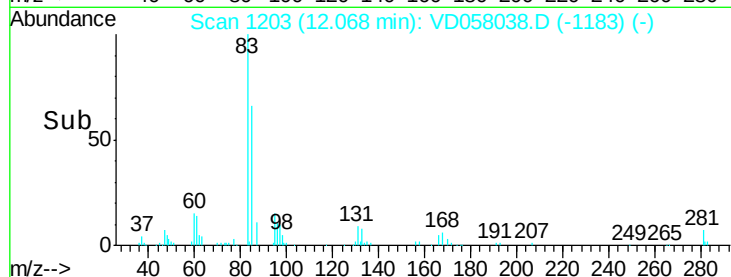
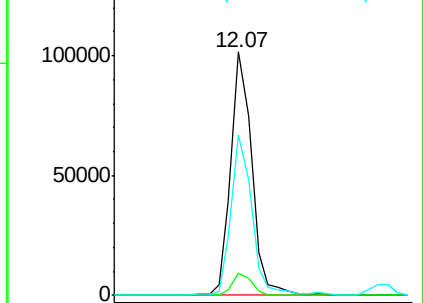
85 65.7 31.9 95.5



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: 22.467 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD058038.D

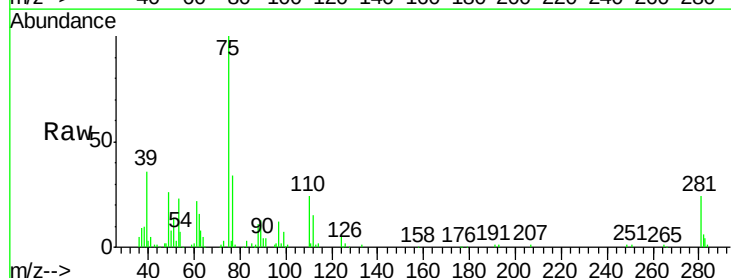
Acq: 9 Jun 2018 2:38

Tgt Ion: 75 Resp: 158291

Ion Ratio Lower Upper

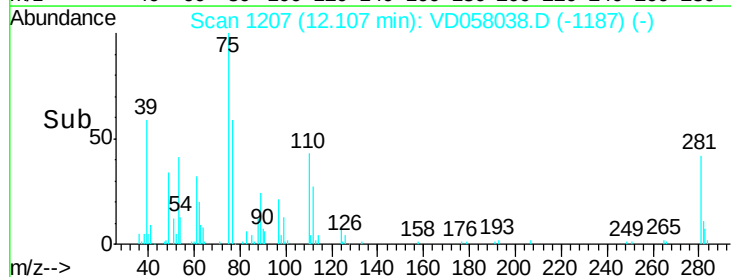
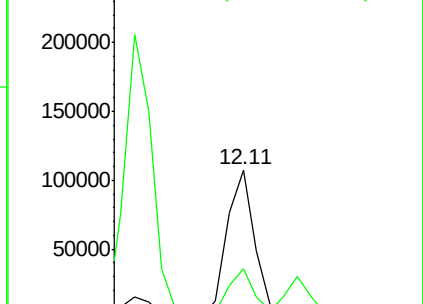
75 100

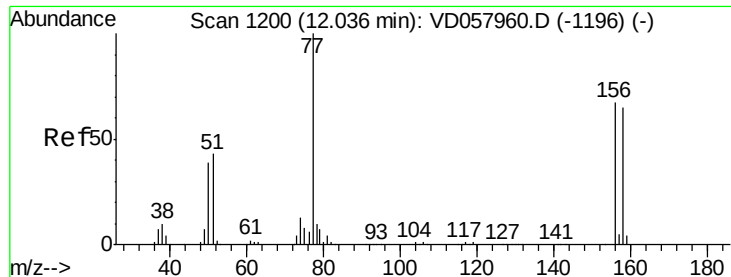
77 33.7 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.723 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

ClientSampled :

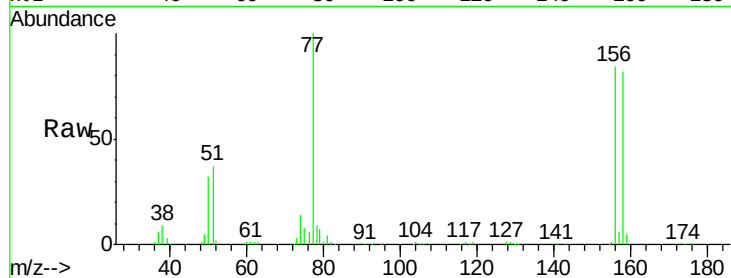
Tot Ion:156 Resp: 199761

Ion Ratio Lower Upper

156 100

77 119.4 75.0 224.8

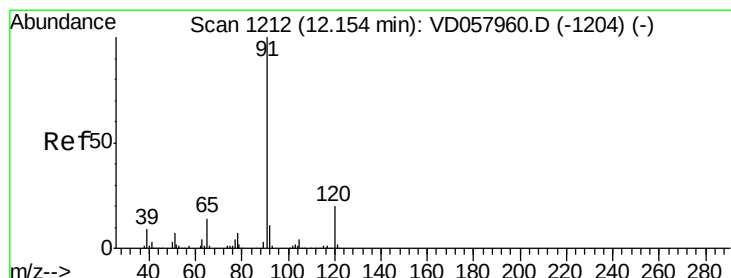
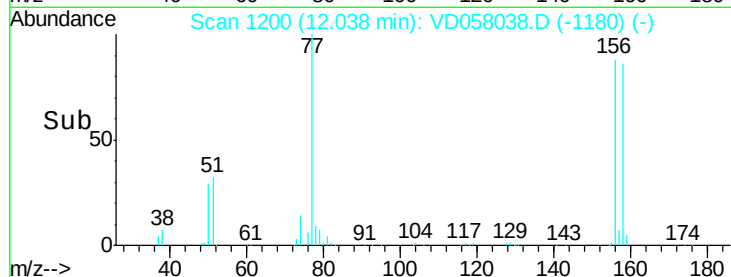
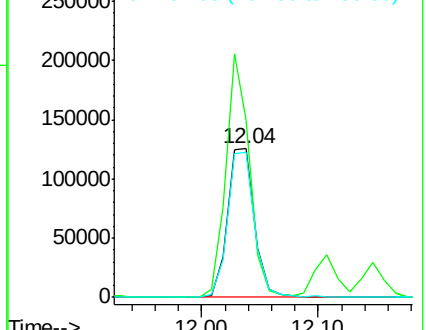
158 97.4 48.6 145.9



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: 21.819 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD058038.D

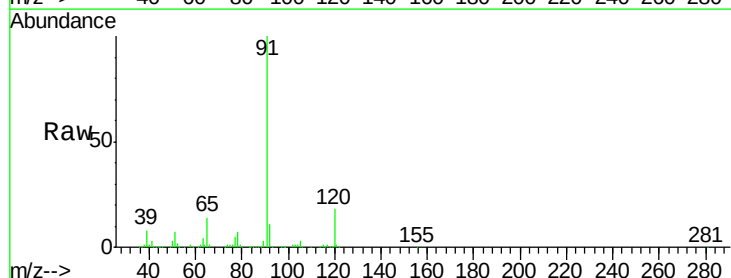
Acq: 9 Jun 2018 2:38

Tgt Ion: 91 Resp: 882030

Ion Ratio Lower Upper

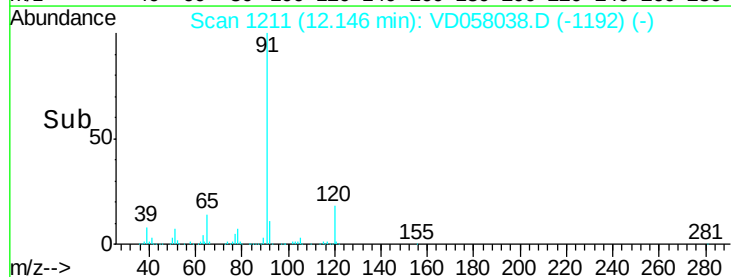
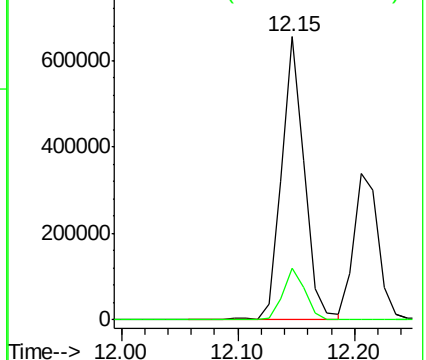
91 100

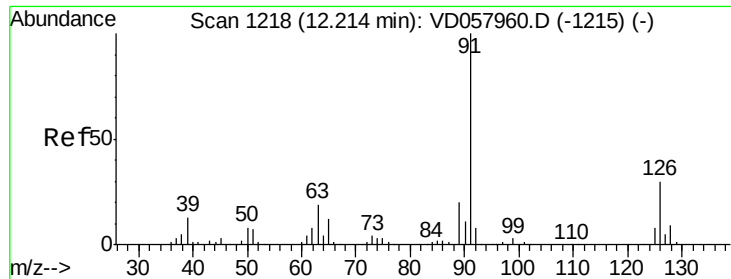
120 18.3 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

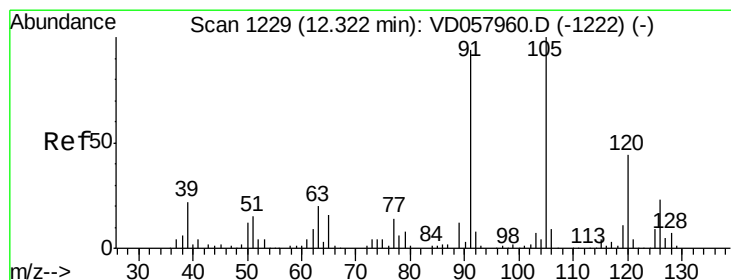
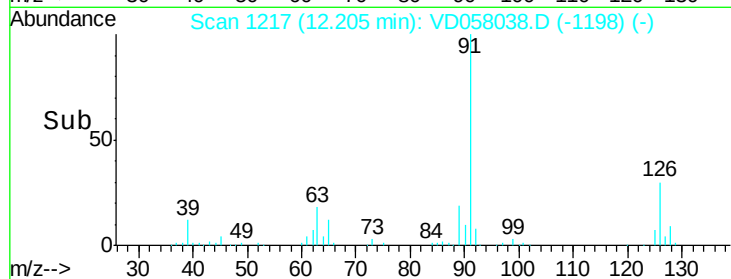
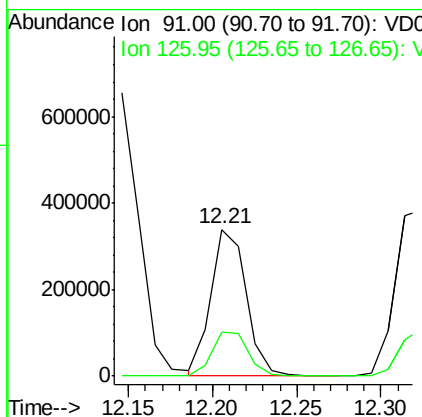
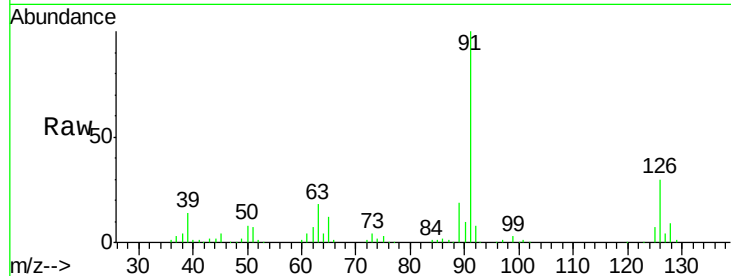




#79
 2-Chlorotoluene
 Concen: 21.361 ug/l
 RT: 12.21 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

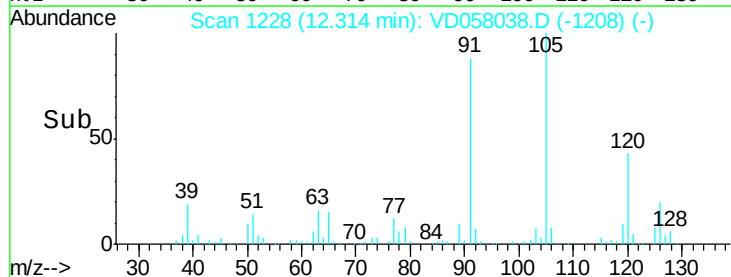
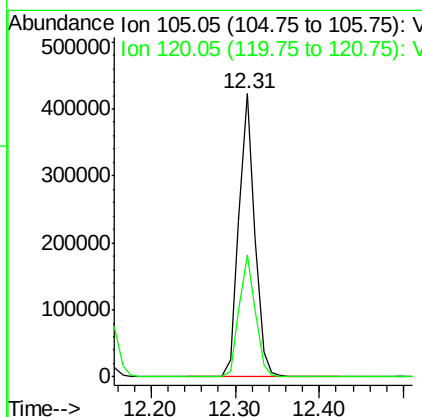
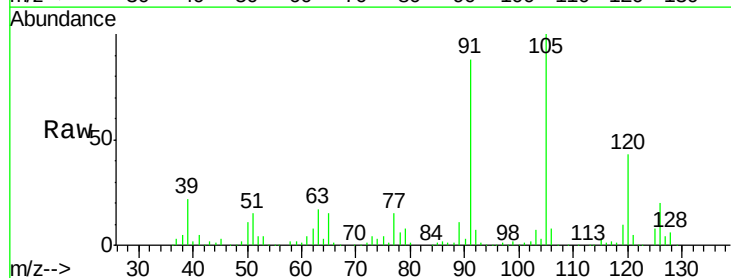
Instrument :
 MSVOA_D
 ClientSampled :

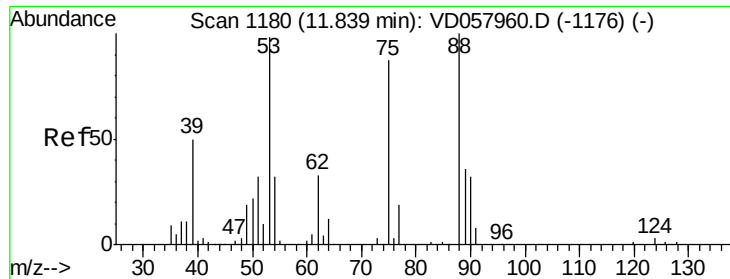
Tot Ion: 91 Resp: 492630
 Ion Ratio Lower Upper
 91 100
 126 29.7 14.6 44.0



#80
 1,3,5-Trimethylbenzene
 Concen: 22.888 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

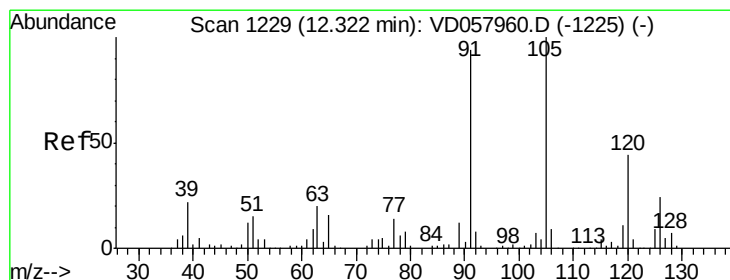
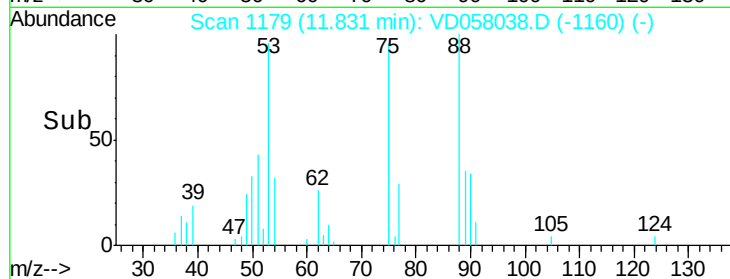
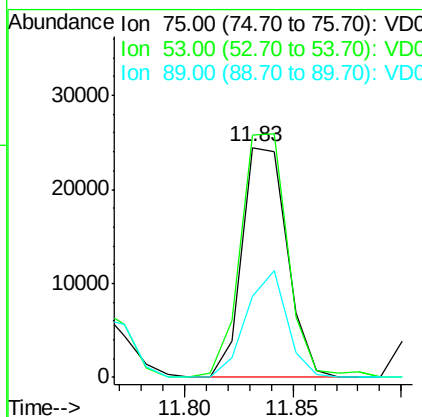
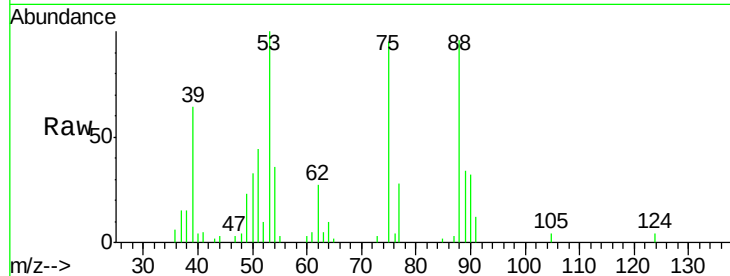




#81
trans-1,4-Dichloro-2-butene
Concen: 20.273 ug/l
RT: 11.83 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

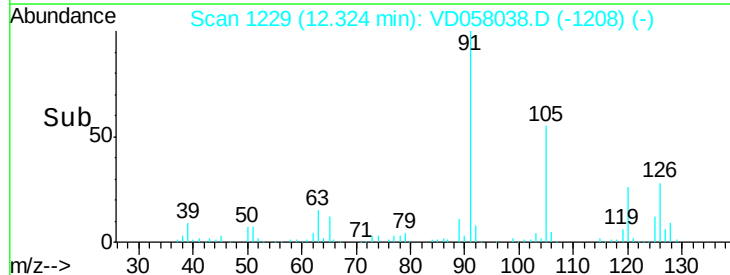
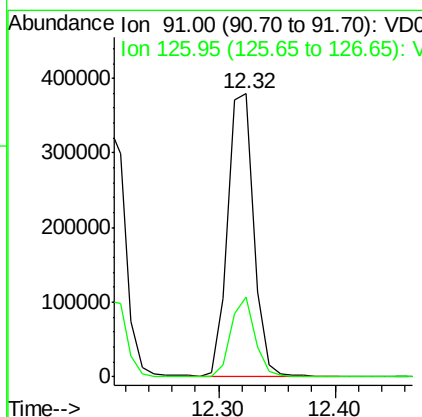
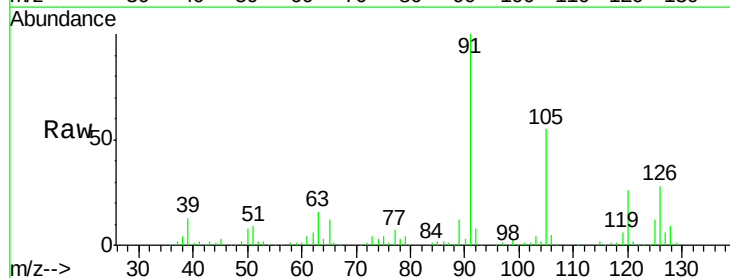
Instrument :
MSVOA_D
ClientSampleId :

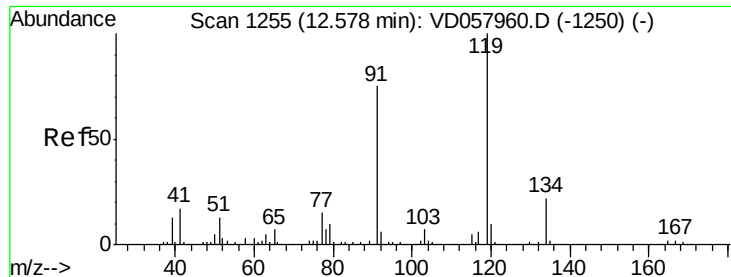
Tot Ion: 75 Resp: 35377
Ion Ratio Lower Upper
75 100
53 105.2 89.3 133.9
89 35.4 33.3 49.9



#82
4-Chlorotoluene
Concen: 24.639 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

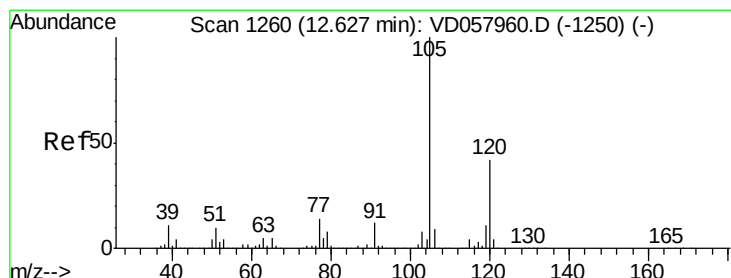
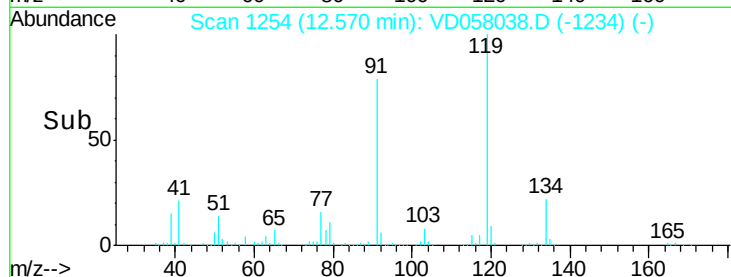
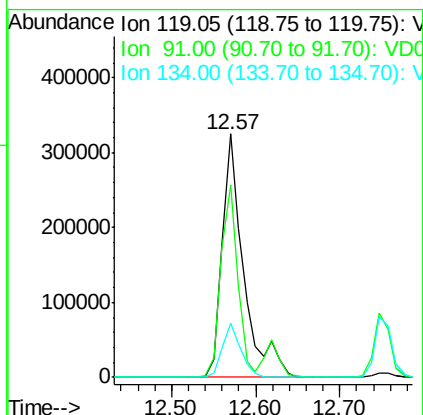
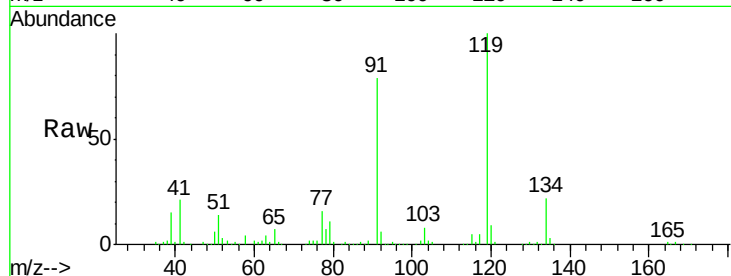




#83
 tert-Butylbenzene
 Concen: 21.029 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

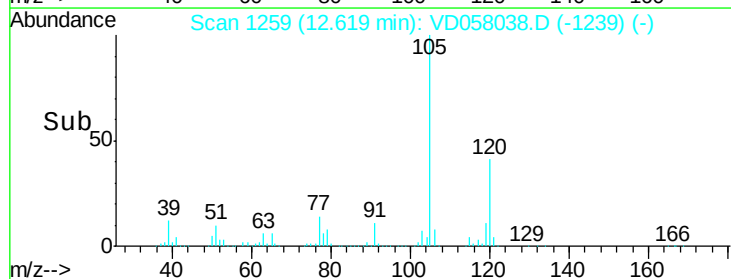
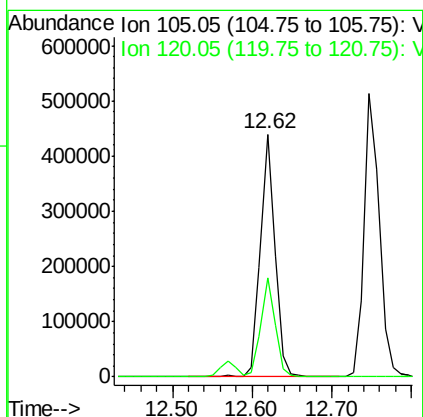
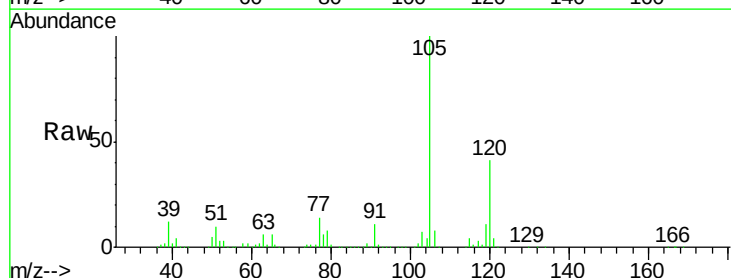
Instrument :
 MSVOA_D
 ClientSampleId :

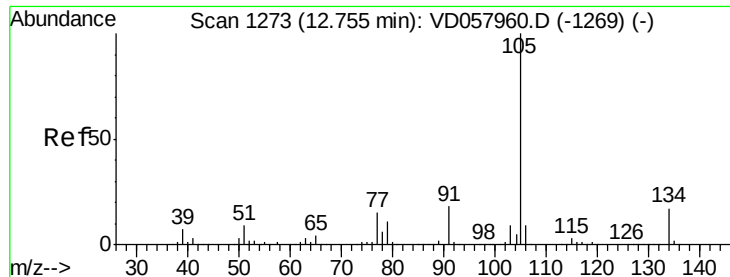
Tot Ion:119 Resp: 575268
 Ion Ratio Lower Upper
 119 100
 91 79.0 37.6 112.9
 134 22.4 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.104 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: 20.451 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

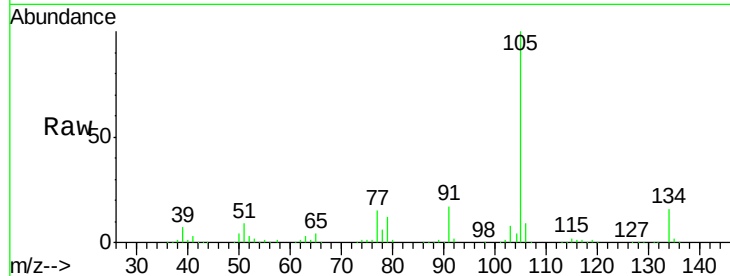
ClientSampled :

Tot Ion:105 Resp: 675184

Ion Ratio Lower Upper

105 100

134 15.7 8.3 25.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

600000

500000

400000

300000

200000

100000

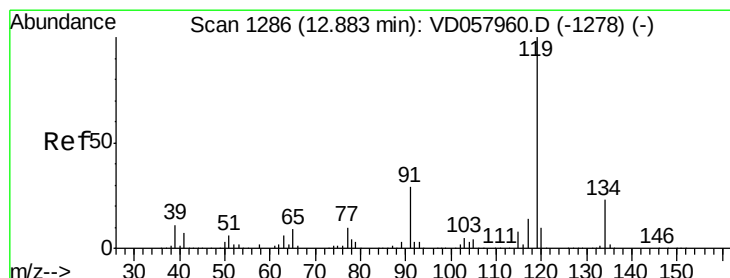
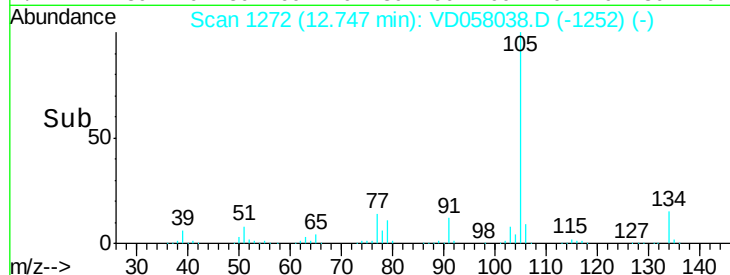
0

12.75

12.70

12.80

Time-->



#86

p-Isopropyltoluene

Concen: 19.760 ug/l

RT: 12.87 min Scan# 1285

Delta R.T. -0.01 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

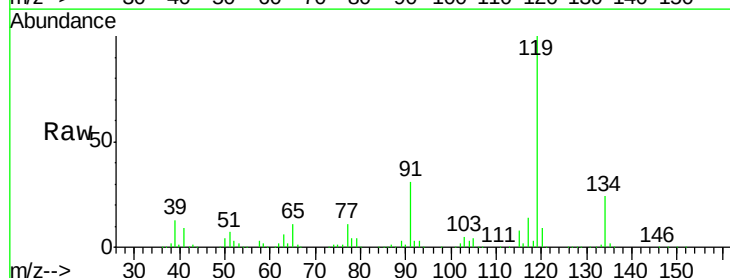
Tgt Ion:119 Resp: 525796

Ion Ratio Lower Upper

119 100

134 23.8 11.5 34.4

91 31.4 14.5 43.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

500000

400000

300000

200000

100000

0

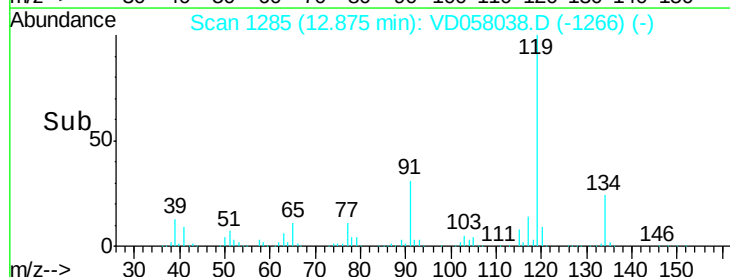
12.87

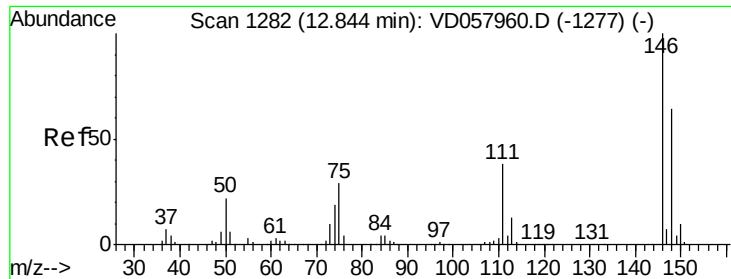
12.80

12.90

13.00

Time-->

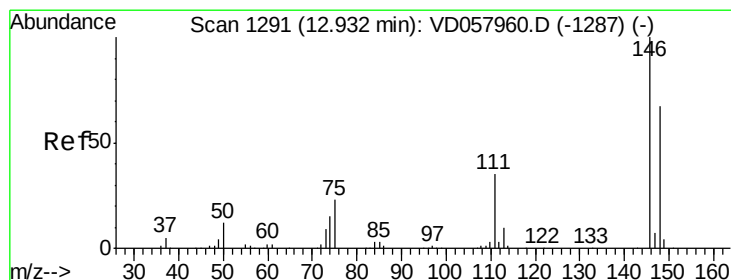
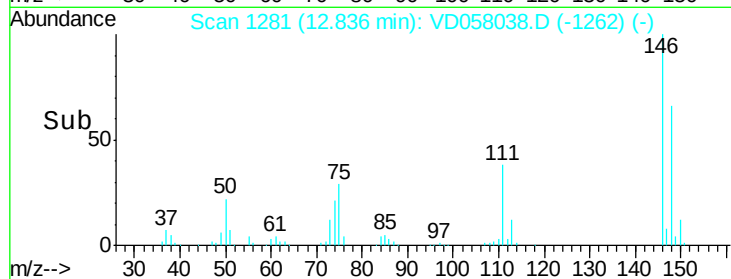
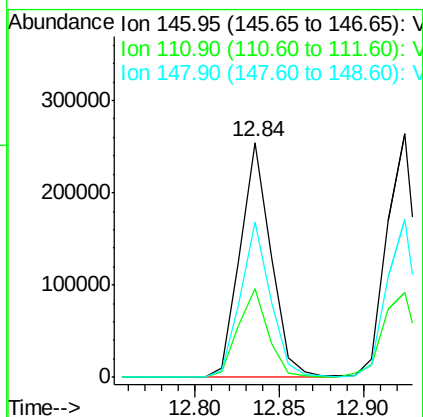
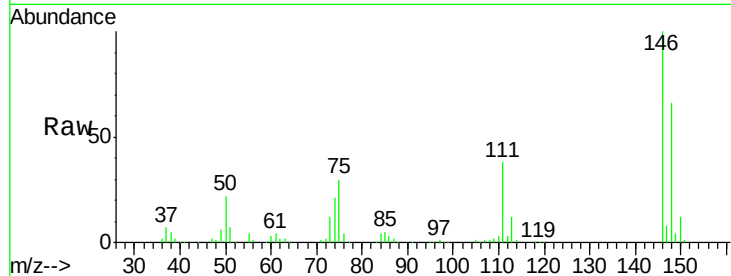




#87
 1,3-Dichlorobenzene
 Concen: 20.858 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

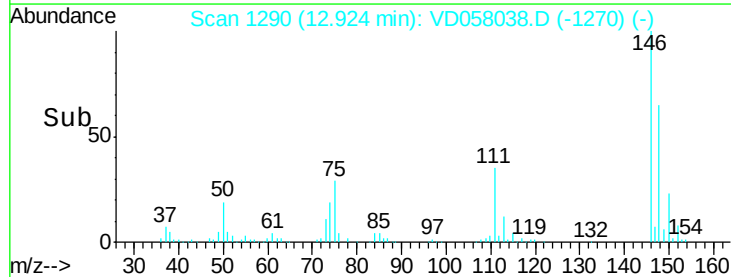
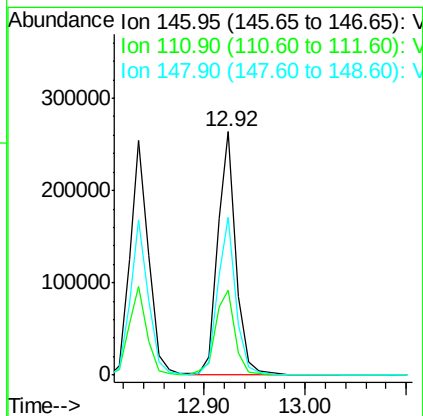
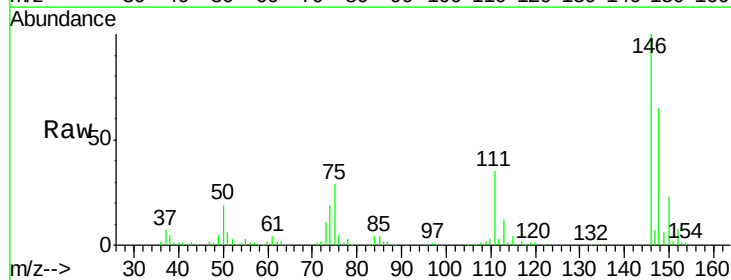
Instrument :
 MSVOA_D
 ClientSampleId :

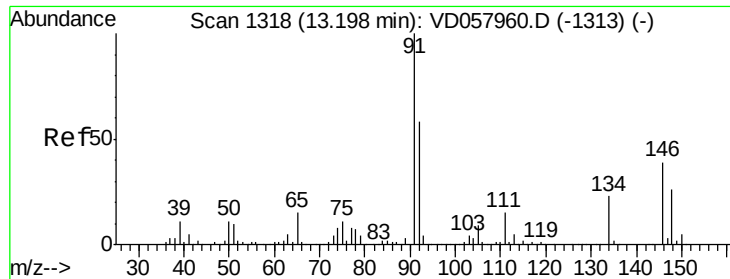
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.3
148	65.9	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 22.133 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	Ratio	Lower	Upper
146	100		
111	35.0	17.3	52.0
148	64.7	33.4	100.2

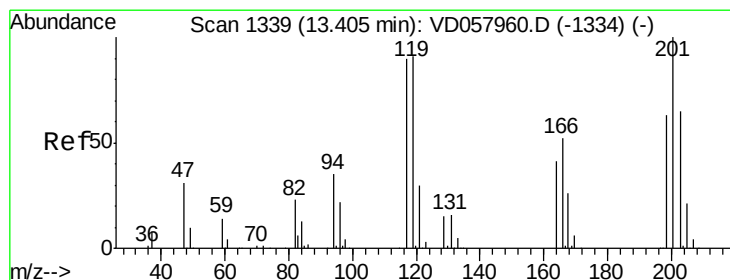
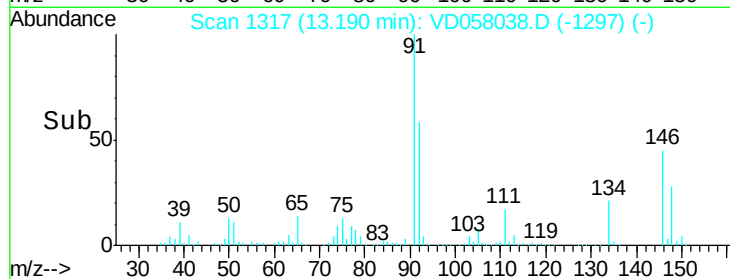
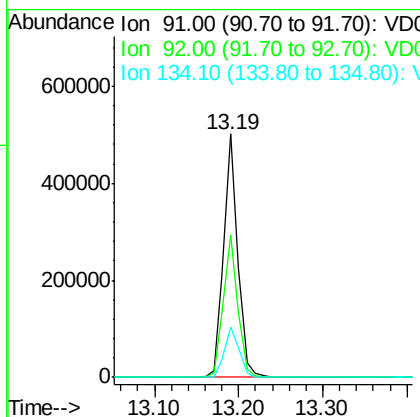
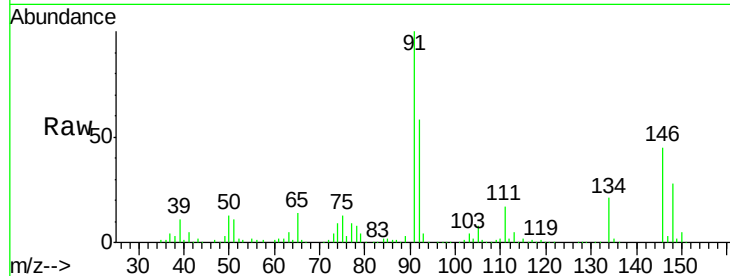




#89
n-Butylbenzene
Concen: 22.200 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058038.D
Acq: 9 Jun 2018 2:38

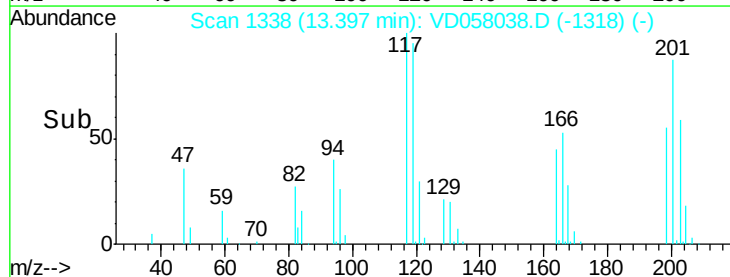
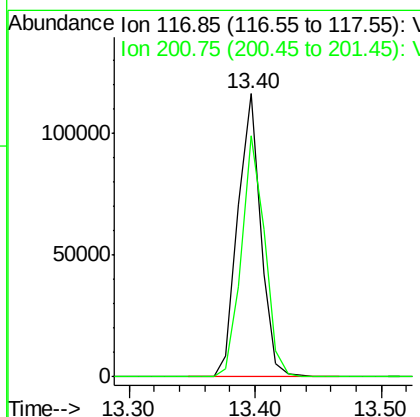
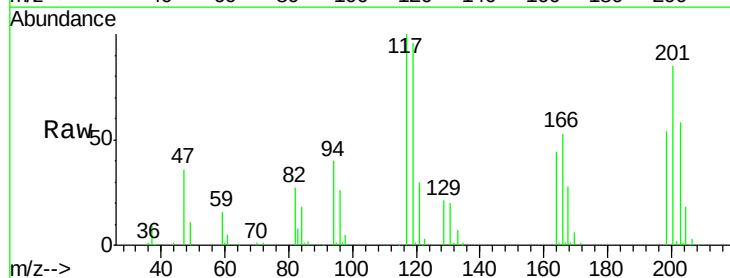
Instrument :
MSVOA_D
ClientSampleId :

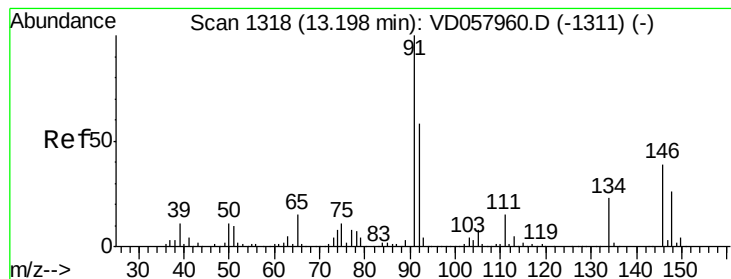
Tot Ion: 91 Resp: 590706
Ion Ratio Lower Upper
91 100
92 58.4 29.2 87.6
134 20.8 11.3 33.9



#90
Hexachloroethane
Concen: 21.393 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: 23.053 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 :

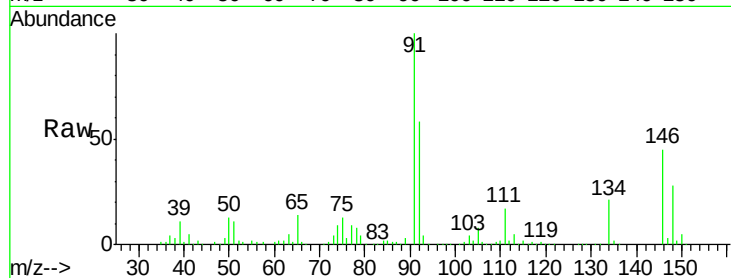
Tot Ion:146 Resp: 289791

Ion Ratio Lower Upper

146 100

111 37.5 19.4 58.2

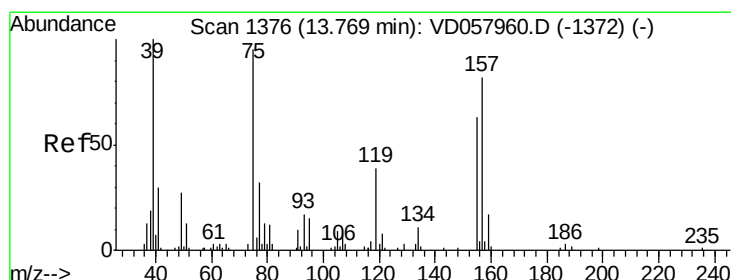
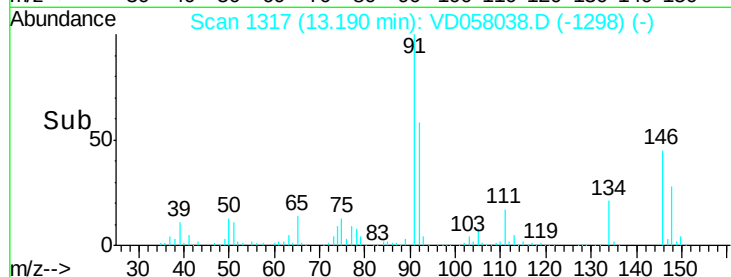
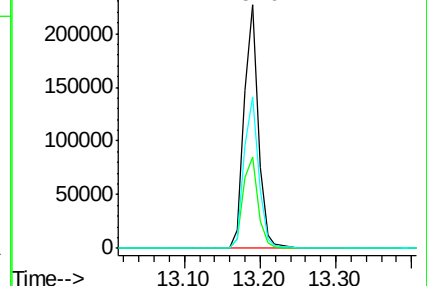
148 62.2 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.783 ug/l

RT: 13.77 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

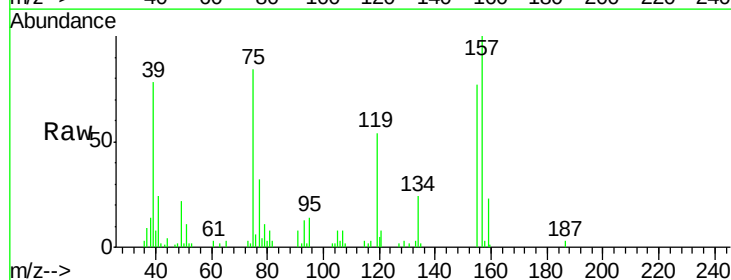
Tgt Ion: 75 Resp: 22771

Ion Ratio Lower Upper

75 100

155 91.7 33.4 100.1

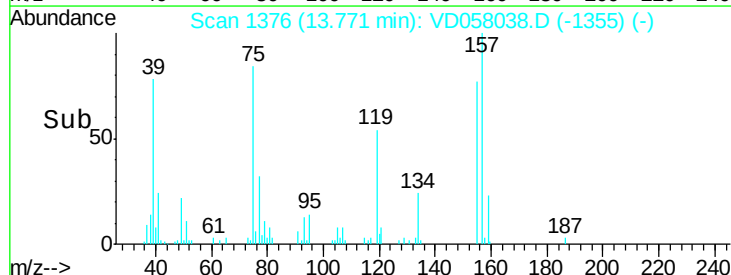
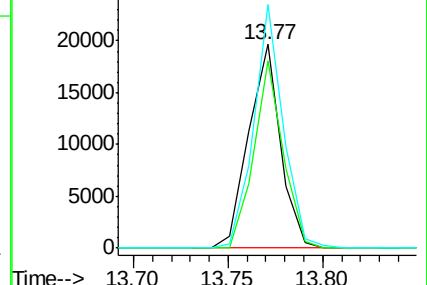
157 119.5 42.9 128.5

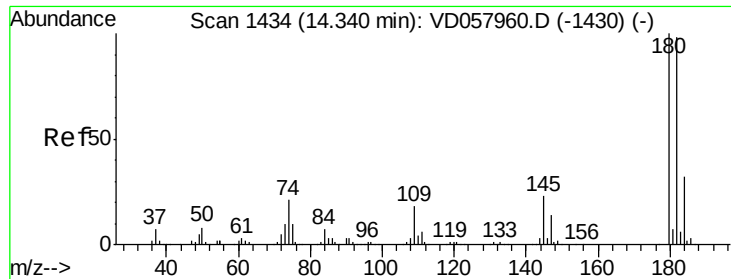


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

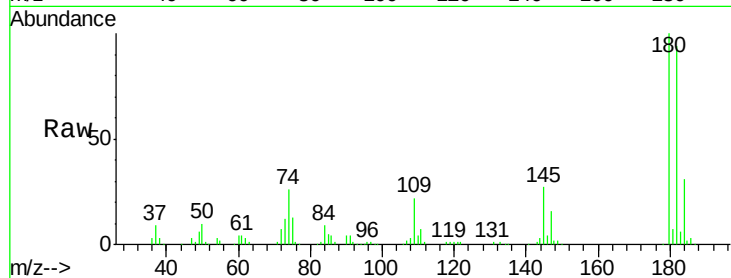




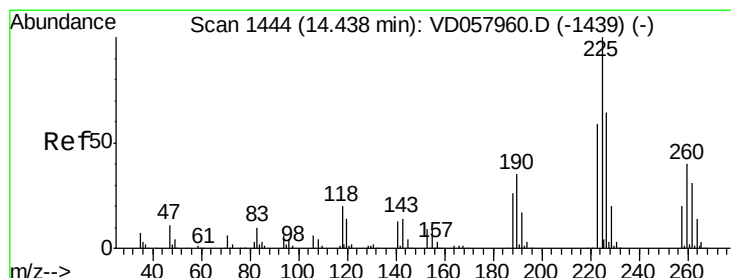
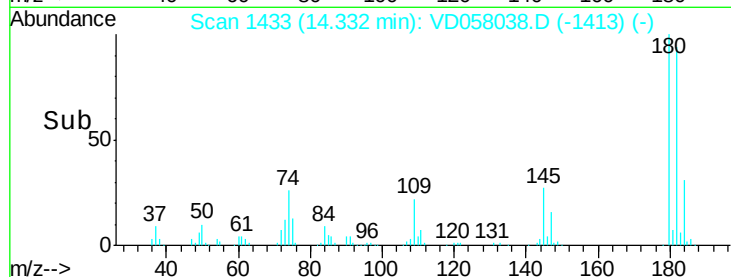
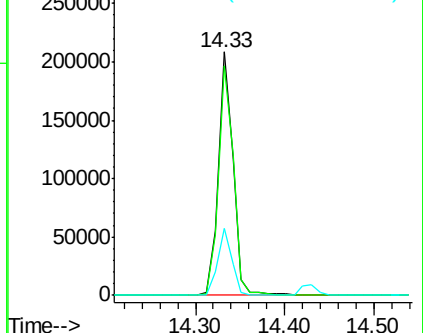
#93
 1,2,4-Trichlorobenzene
 Concen: 20.576 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

Instrument :
 MSVOA_D
 ClientSampled :

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

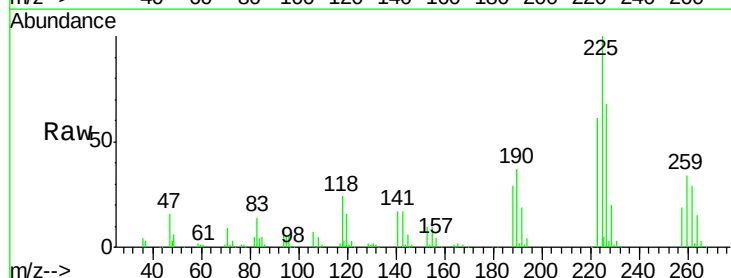


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

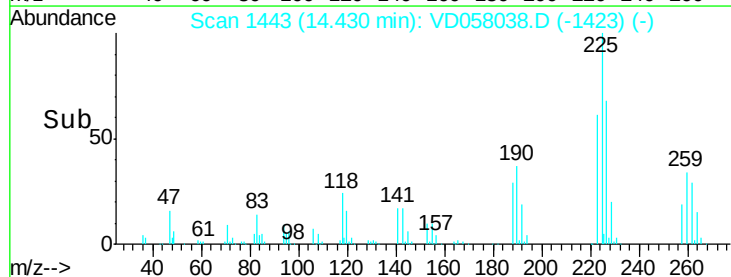
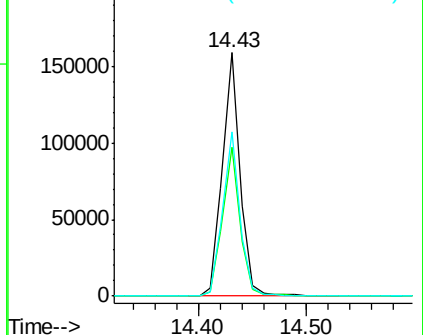


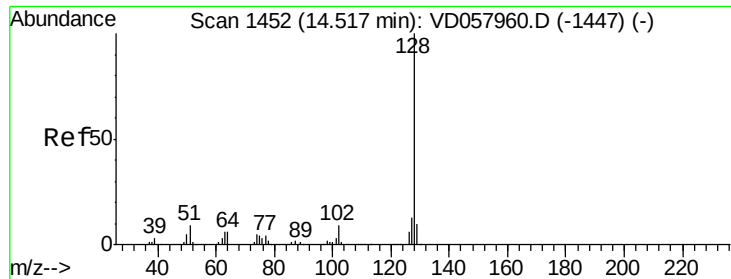
#94
 Hexachlorobutadiene
 Concen: 19.623 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058038.D
 Acq: 9 Jun 2018 2:38

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: 20.808 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 :

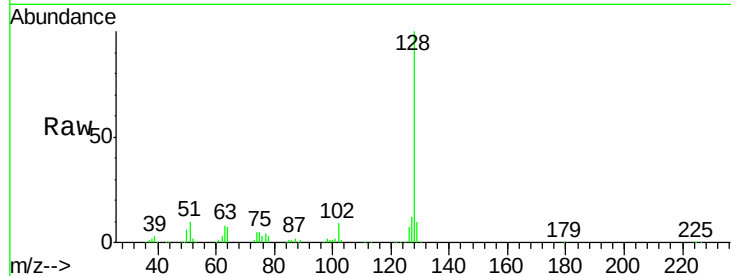
Tot Ion:128 Resp: 315075

Ion Ratio Lower Upper

128 100

127 11.9 10.2 15.2

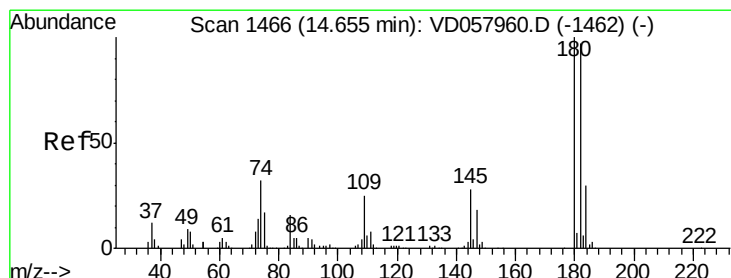
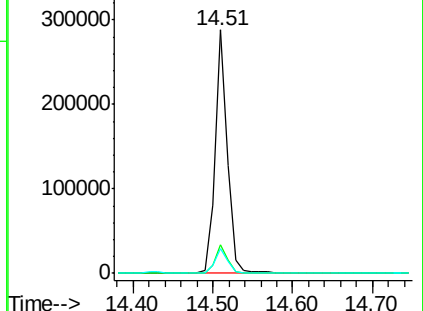
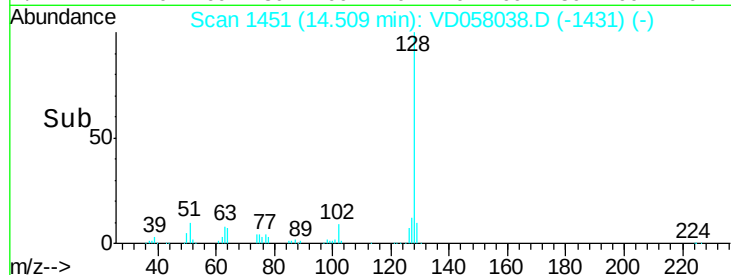
129 10.1 8.2 12.2



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: 20.351 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VD058038.D

Acq: 9 Jun 2018 2:38

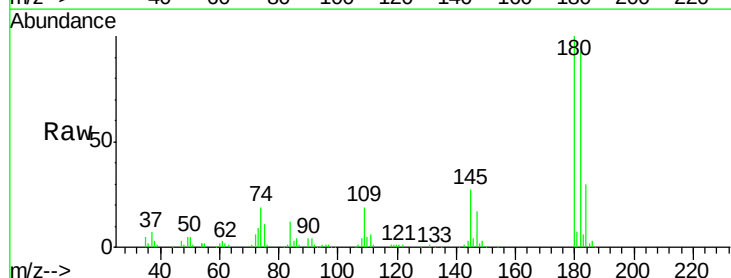
Tgt Ion:180 Resp: 203686

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

