

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058357.D
 Acq On : 23 Jun 2018 22:53
 Operator : VA/AP
 Sample : J3671-08
 Misc : 6.07g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 01:13:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	808861	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.71	114	1058228	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	920187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	448030	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	430023	52.63	ug/l	0.03
Spiked Amount			Recovery	=	105.26%	
35) Dibromofluoromethane	5.58	113	426159	49.48	ug/l	0.03
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	8.72	98	1059015	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	11.94	95	462326	54.31	ug/l	0.00
Spiked Amount			Recovery	=	108.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	754	Below Cal	#	43
3) Chloromethane	1.48	50	962	Below Cal	#	43
4) Vinyl Chloride	1.57	62	3886566	917.24	ug/l	97
5) Bromomethane	1.83	94	289	Below Cal	#	3
6) Chloroethane	1.91	64	8763	6.12	ug/l	# 78
11) Tert butyl alcohol	3.41	59	27656	102.63	ug/l	98
12) 1,1-Dichloroethene	2.58	96	160621	57.80	ug/l	97
16) Acetone	2.63	43	40831	36.54	ug/l	# 87
20) Methylene Chloride	3.10	84	37044	8.77	ug/l	91
21) trans-1,2-Dichloroethene	3.41	96	516041	169.91	ug/l	88
24) 1,1-Dichloroethane	4.00	63	970832	70.15	ug/l	97
25) 2-Butanone	4.86	43	4300	1.77	ug/l	# 1
27) cis-1,2-Dichloroethene	4.83	96	19239467	2535.04	ug/l	94
29) Tetrahydrofuran	5.22	42	10676	8.24	ug/l	# 65
30) Chloroform	5.34	83	60157	4.12	ug/l	99
31) Cyclohexane	5.63	56	28058	Below Cal		95
36) 1,1-Dichloropropene	5.66	75	65328	6.24	ug/l	# 48
38) Carbon Tetrachloride	5.67	117	66367	6.38	ug/l	# 14
39) Methylcyclohexane	7.30	83	63765	6.25	ug/l	94
40) Benzene	6.04	78	435063	17.45	ug/l	95
41) Methacrylonitrile	5.22	41	7091	2.46	ug/l	# 52
42) 1,2-Dichloroethane	6.15	62	60464	6.01	ug/l	94
44) Trichloroethene	7.00	130	156883	20.95	ug/l	90
49) 1,4-Dioxane	7.04	88	225	5.16	ug/l	# 26
52) Toluene	8.82	92	121772	8.58	ug/l	95
55) 1,1,2-Trichloroethane	9.47	97	109188	21.73	ug/l	91
65) Chlorobenzene	10.74	112	1160208	67.40	ug/l	99
68) m/p-Xylenes	11.02	106	47977	4.73	ug/l	91
73) Isopropylbenzene	11.78	105	54494	2.03	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.10	83	7814	1.25	ug/l	# 51
78) n-propylbenzene	12.15	91	84313	2.44	ug/l	93
80) 1,3,5-Trimethylbenzene	12.32	105	180898	8.65	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	211411	132.51	ug/l	# 1
82) 4-Chlorotoluene	12.32	91	21701	Below Cal	#	45

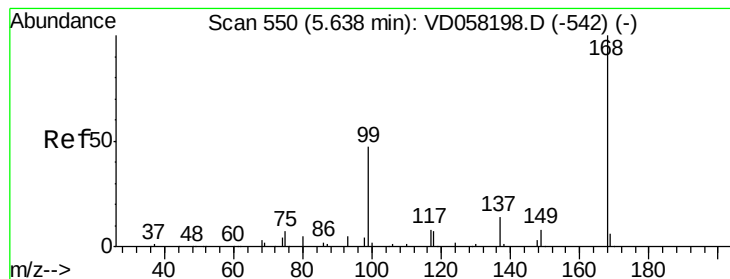
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	12.63	105	155797	6.86	ug/l	98
85) sec-Butylbenzene	12.76	105	76029	2.70	ug/l	94
86) p-Isopropyltoluene	12.89	119	35513	1.56	ug/l	94
87) 1,3-Dichlorobenzene	12.84	146	181975	13.05	ug/l	96
88) 1,4-Dichlorobenzene	12.93	146	338896	24.88	ug/l	97
89) n-Butylbenzene	13.20	91	122066	5.09	ug/l #	91
90) Hexachloroethane	13.40	117	17675	2.98	ug/l #	1
91) 1,2-Dichlorobenzene	13.20	146	625881	52.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.78	75	2745	2.77	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 553

Delta R.T. 0.03 min

Lab File: VD058357.D

Acq: 23 Jun 2018 22:53

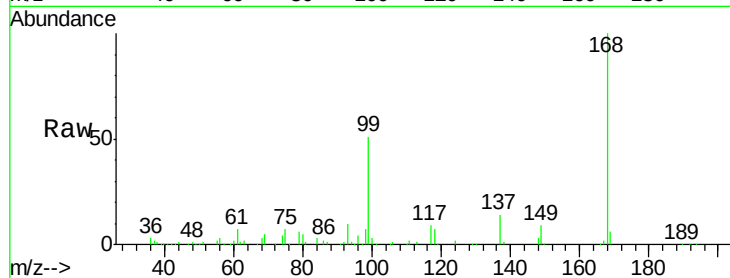
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 808861

Ion Ratio Lower Upper

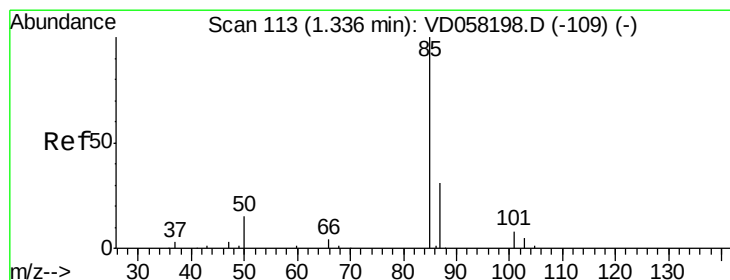
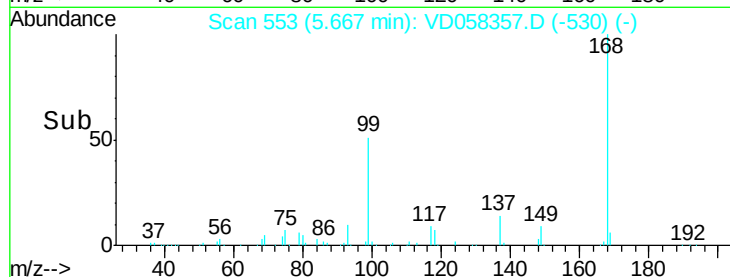
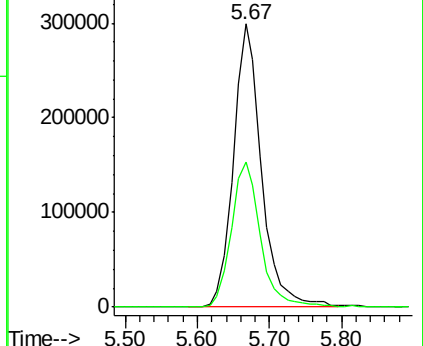
168 100

99 51.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.36 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD058357.D

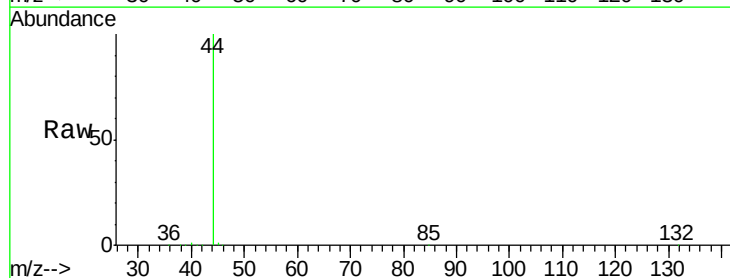
Acq: 23 Jun 2018 22:53

Tgt Ion: 85 Resp: 754

Ion Ratio Lower Upper

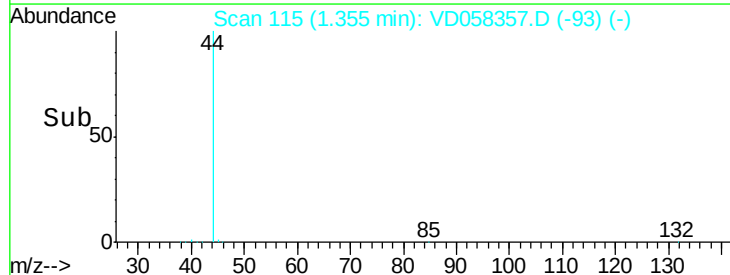
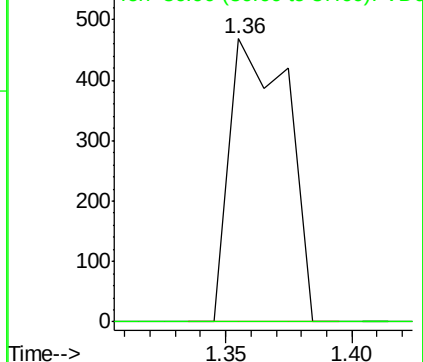
85 100

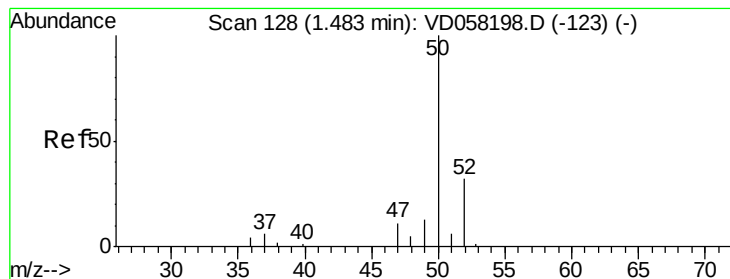
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 1.48 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD058357.D

Acq: 23 Jun 2018 22:53

Instrument :

MSVOA_D

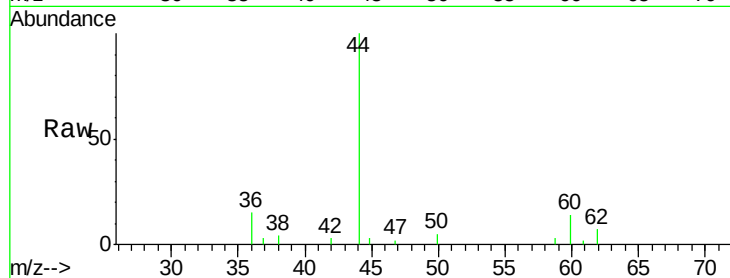
ClientSampled :

Tot Ion: 50 Resp: 962

Ion Ratio Lower Upper

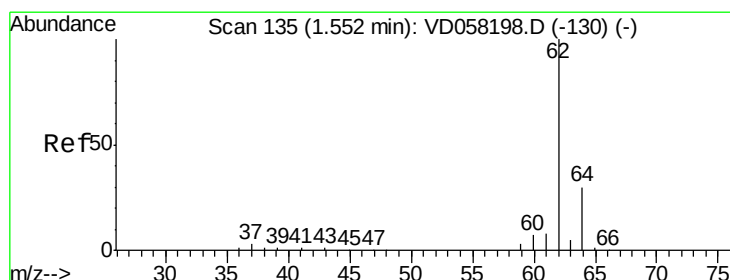
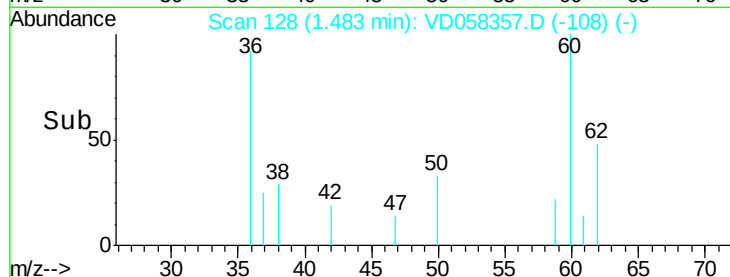
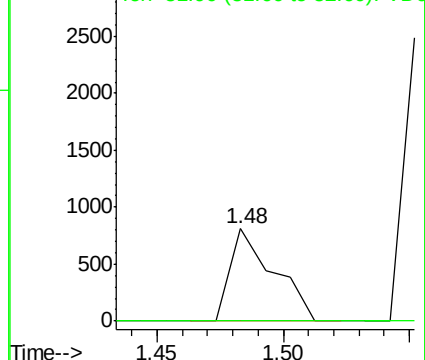
50 100

52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 917.24 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.02 min

Lab File: VD058357.D

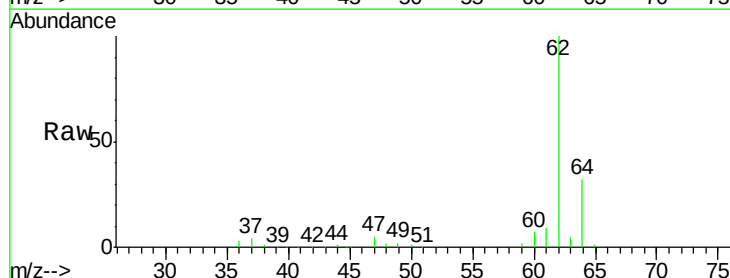
Acq: 23 Jun 2018 22:53

Tgt Ion: 62 Resp: 3886566

Ion Ratio Lower Upper

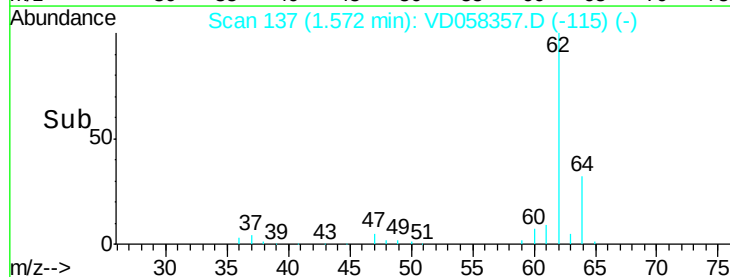
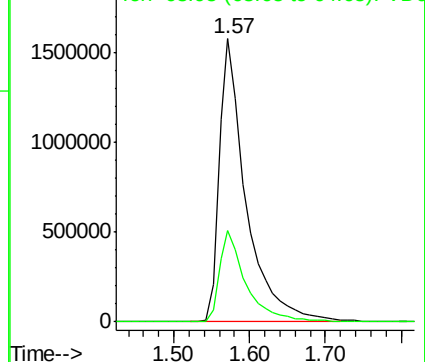
62 100

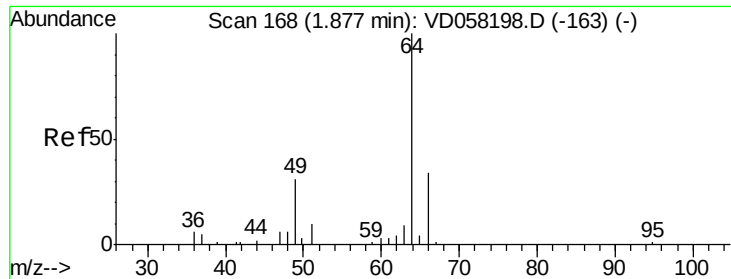
64 32.1 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#6

Chloroethane

Concen: 6.12 ug/l

RT: 1.91 min Scan# 171

Delta R.T. 0.03 min

Lab File: VD058357.D

Acq: 23 Jun 2018 22:53

Instrument :

MSVOA_D

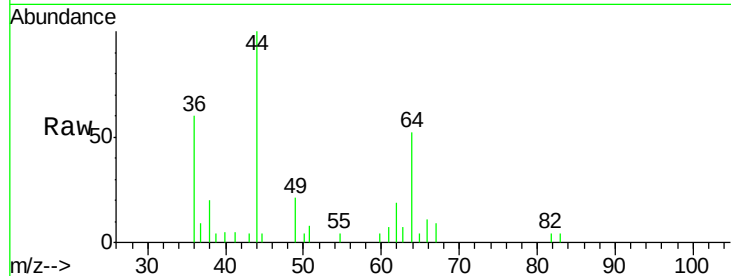
ClientSampleId :

Tot Ion: 64 Resp: 8763

Ion Ratio Lower Upper

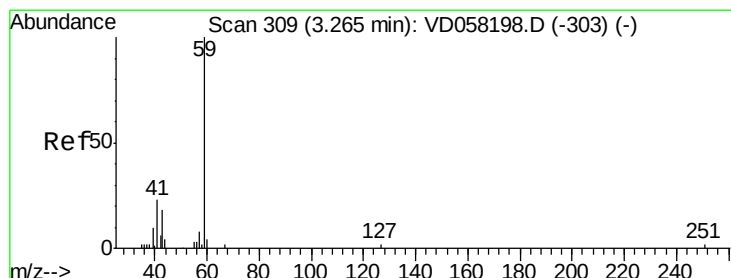
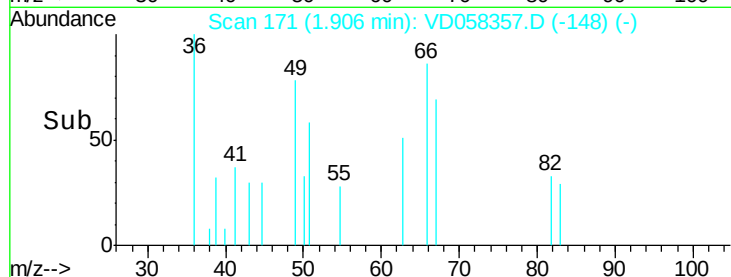
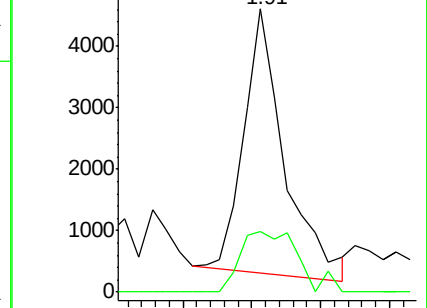
64 100

66 21.7 27.3 40.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#11

Tert butyl alcohol

Concen: 102.63 ug/l

RT: 3.41 min Scan# 324

Delta R.T. 0.15 min

Lab File: VD058357.D

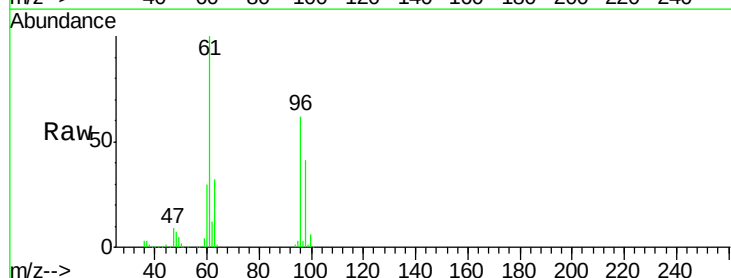
Acq: 23 Jun 2018 22:53

Tgt Ion: 59 Resp: 27656

Ion Ratio Lower Upper

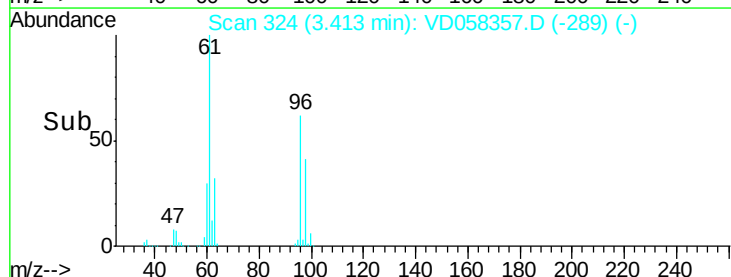
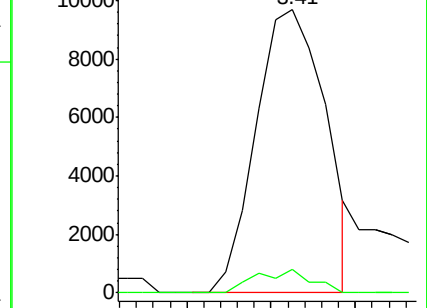
59 100

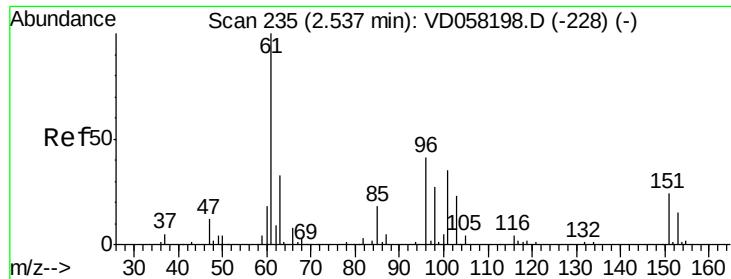
57 8.5 6.2 9.4



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

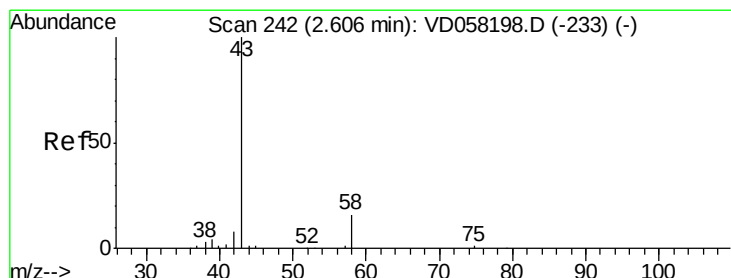
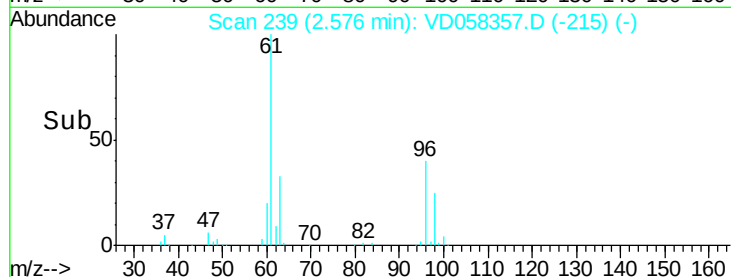
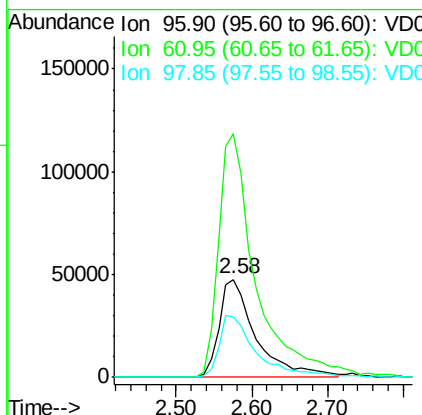
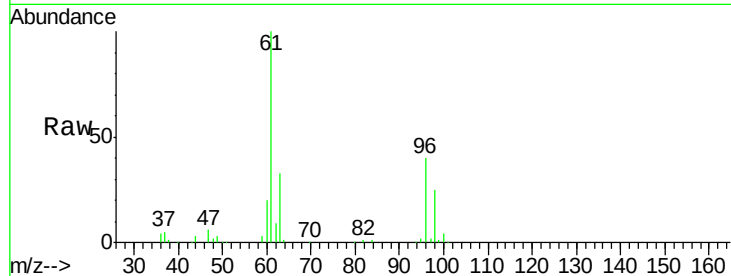




#12
 1,1-Dichloroethene
 Concen: 57.80 ug/l
 RT: 2.58 min Scan# 239
 Delta R.T. 0.04 min
 Lab File: VD058357.D
 Acq: 23 Jun 2018 22:53

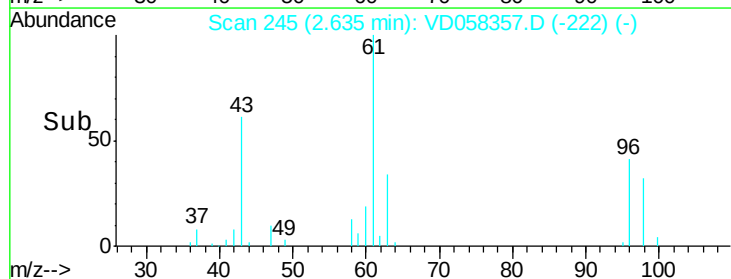
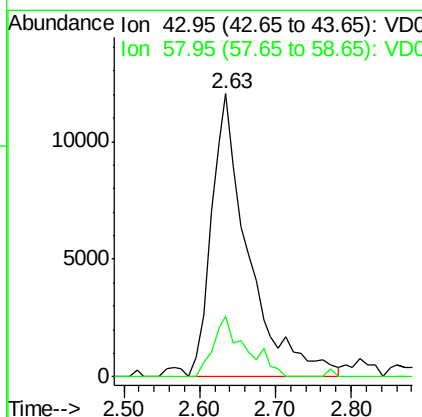
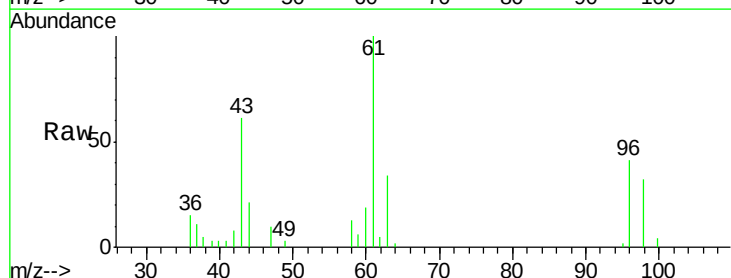
Instrument :
 MSVOA_D
 ClientSampleId :

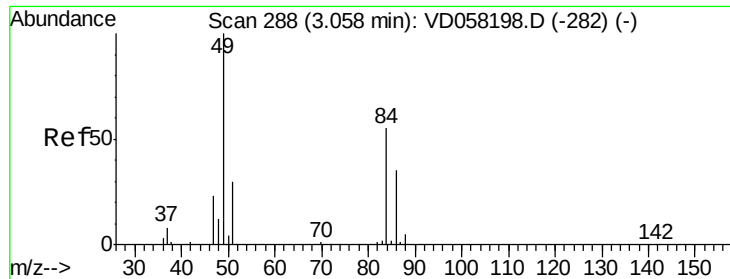
Tot Ion: 96 Resp: 160621
 Ion Ratio Lower Upper
 96 100
 61 248.2 193.9 290.9
 98 62.0 51.7 77.5



#16
 Acetone
 Concen: 36.54 ug/l
 RT: 2.63 min Scan# 245
 Delta R.T. 0.03 min
 Lab File: VD058357.D
 Acq: 23 Jun 2018 22:53

Tgt Ion: 43 Resp: 40831
 Ion Ratio Lower Upper
 43 100
 58 21.3 12.7 19.1#

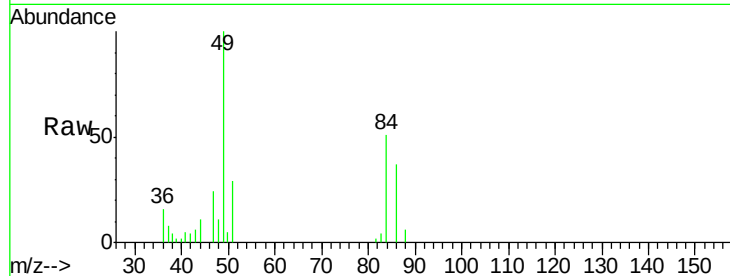




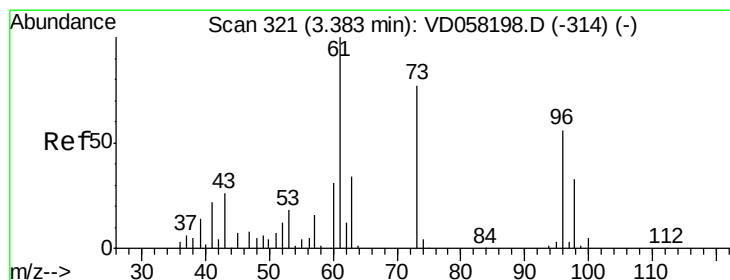
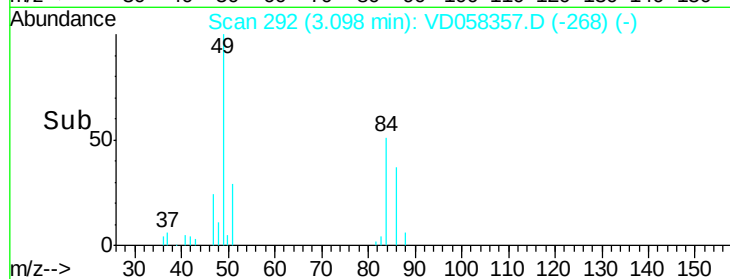
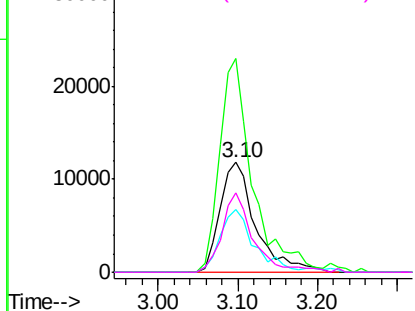
#20
Methylene Chloride
Concen: 8.77 ug/l
RT: 3.10 min Scan# 292
Delta R.T. 0.04 min
Lab File: VD058357.D
Acq: 23 Jun 2018 22:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 37044
Ion Ratio Lower Upper
84 100
49 194.8 145.0 217.6
51 57.3 42.9 64.3
86 72.3 50.1 75.1

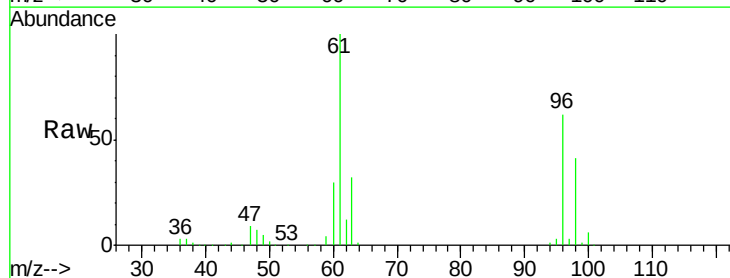


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

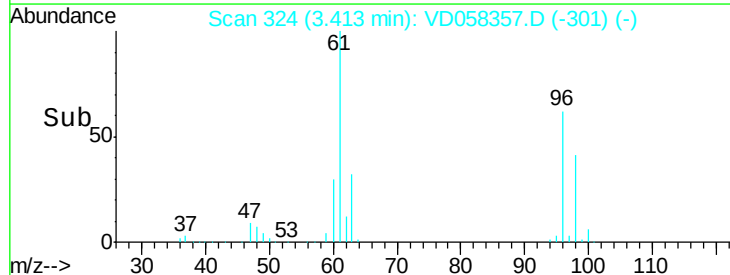
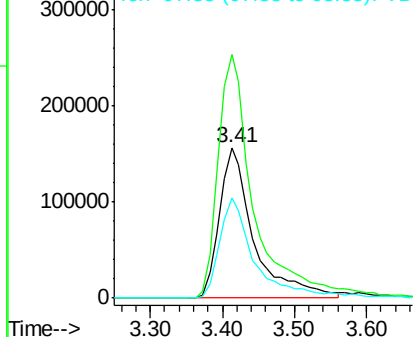


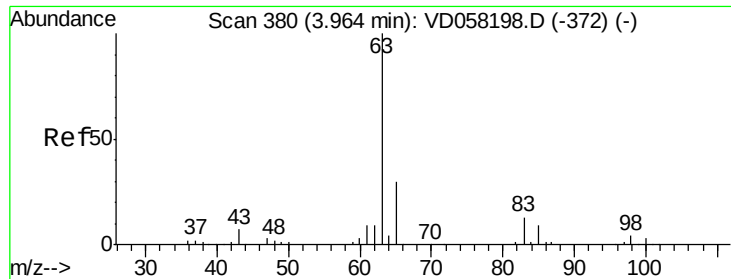
#21
trans-1,2-Dichloroethene
Concen: 169.91 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.03 min
Lab File: VD058357.D
Acq: 23 Jun 2018 22:53

Tgt Ion: 96 Resp: 516041
Ion Ratio Lower Upper
96 100
61 161.7 143.8 215.6
98 66.3 48.0 72.0



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

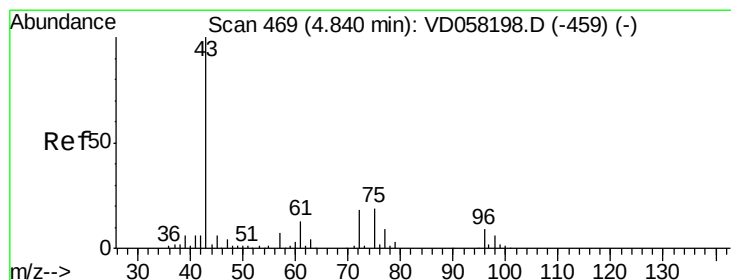
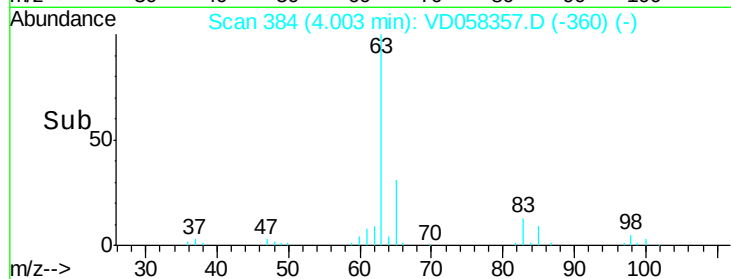
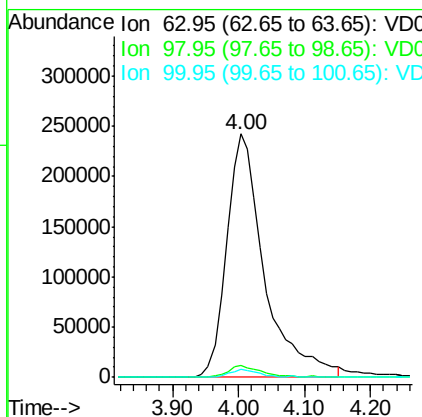
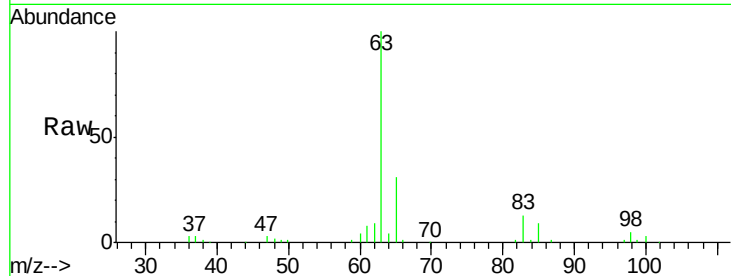




#24
 1,1-Dichloroethane
 Concen: 70.15 ug/l
 RT: 4.00 min Scan# 384
 Delta R.T. 0.04 min
 Lab File: VD058357.D
 Acq: 23 Jun 2018 22:53

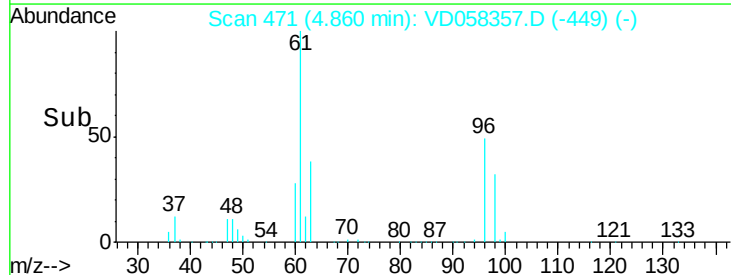
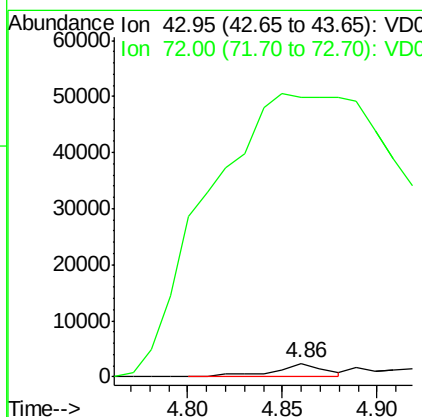
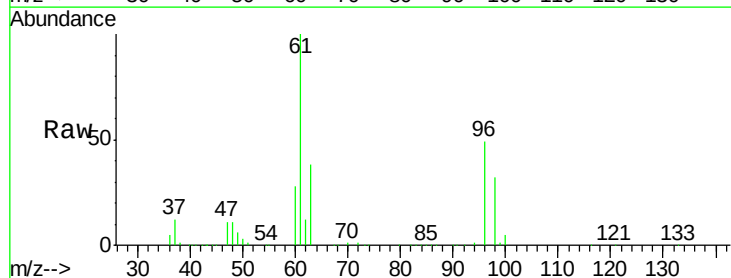
Instrument :
 MSVOA_D
 ClientSampleId :

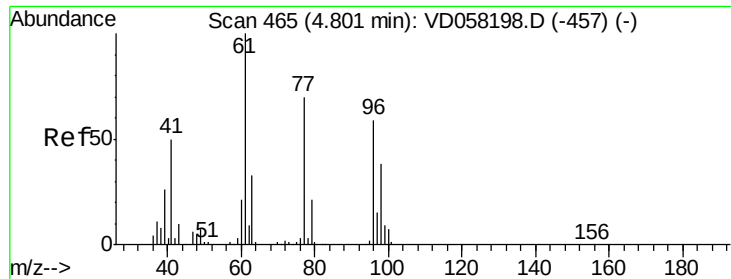
Tot Ion: 63 Resp: 970832
 Ion Ratio Lower Upper
 63 100
 98 4.9 1.9 5.7
 100 3.3 1.3 3.9



#25
 2-Butanone
 Concen: 1.77 ug/l
 RT: 4.86 min Scan# 471
 Delta R.T. 0.02 min
 Lab File: VD058357.D
 Acq: 23 Jun 2018 22:53

Tgt Ion: 43 Resp: 4300
 Ion Ratio Lower Upper
 43 100
 72 2101.6 14.1 21.1#



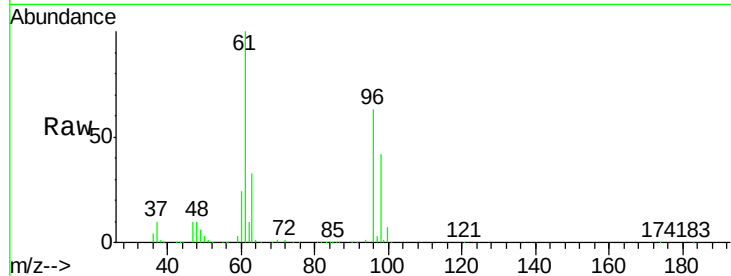


#27

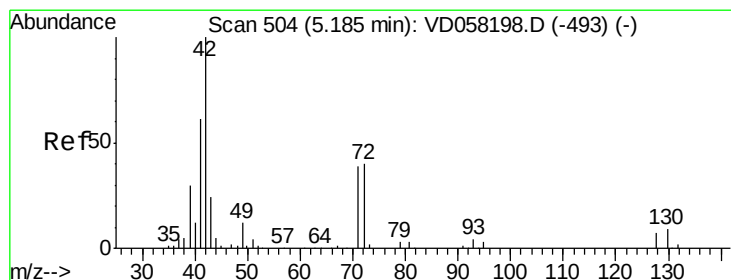
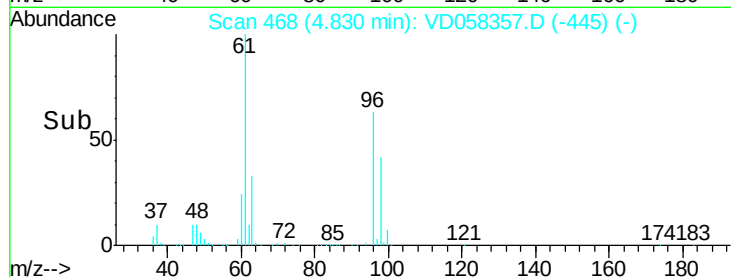
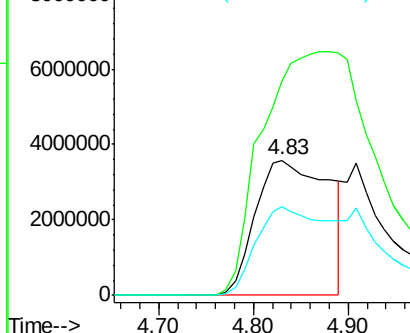
cis-1,2-Dichloroethene
 Concen: 2535.04 ug/l
 RT: 4.83 min Scan# 468
 Delta R.T. 0.03 min
 Lab File: VD058357.D
 Acq: 23 Jun 2018 22:53

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp:19239467
 Ion Ratio Lower Upper
 96 100
 61 157.8 0.0 338.6
 98 65.6 0.0 130.2



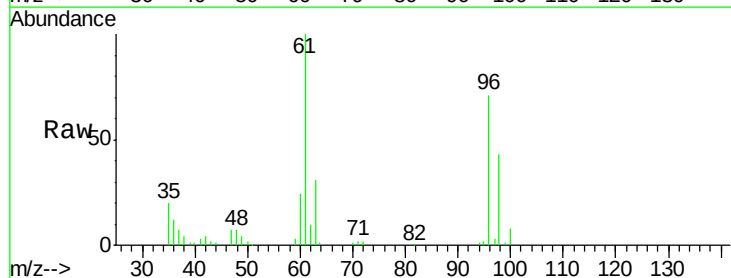
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



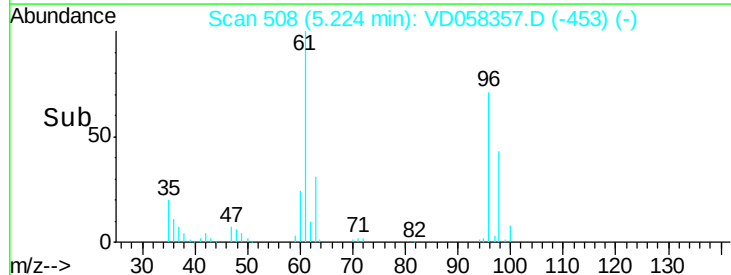
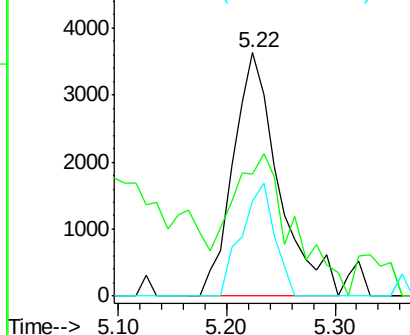
#29

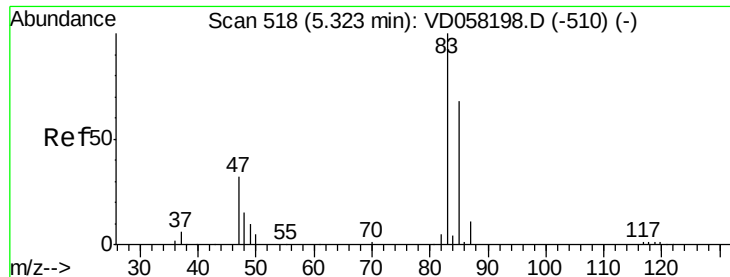
Tetrahydrofuran
 Concen: 8.24 ug/l
 RT: 5.22 min Scan# 508
 Delta R.T. 0.04 min
 Lab File: VD058357.D
 Acq: 23 Jun 2018 22:53

Tgt Ion: 42 Resp: 10676
 Ion Ratio Lower Upper
 42 100
 72 0.0 30.2 45.2#
 71 33.5 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
 Ion 72.00 (71.70 to 72.70): VDC
 Ion 71.00 (70.70 to 71.70): VDC

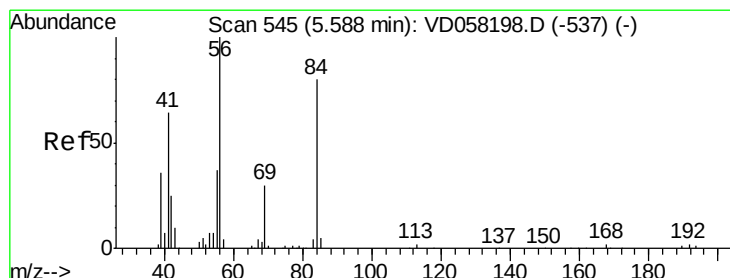
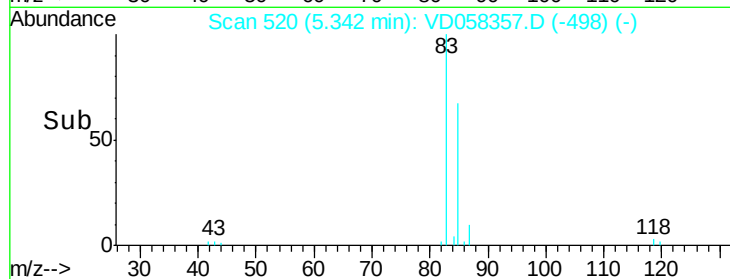
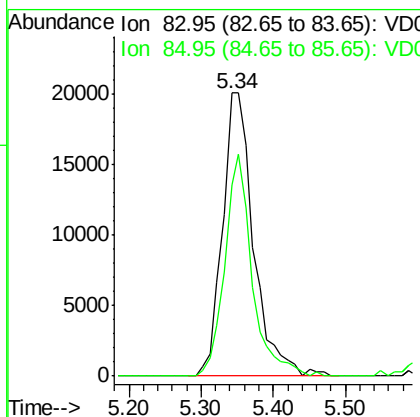
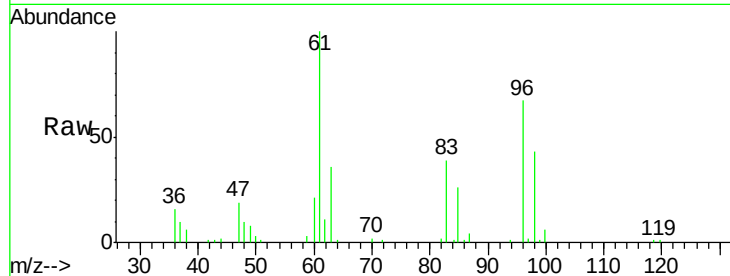




#30
Chloroform
Concen: 4.12 ua/l
RT: 5.34 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD058357.D
Acq: 23 Jun 2018 22:53

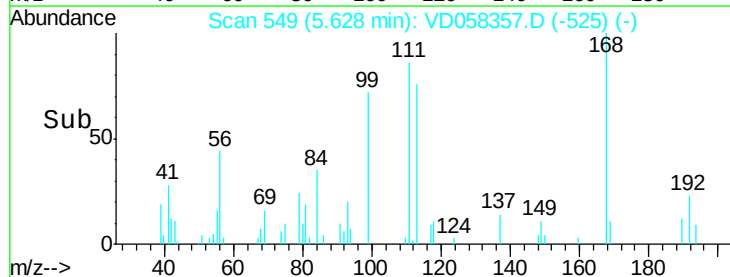
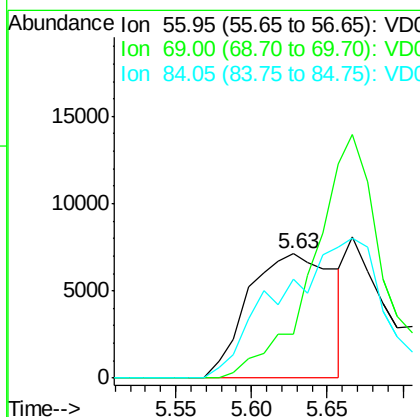
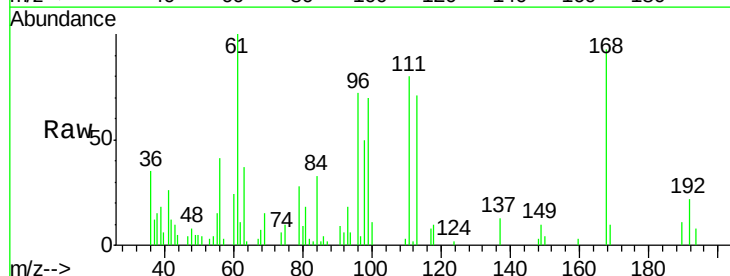
Instrument :
MSVOA_D
ClientSampleId :

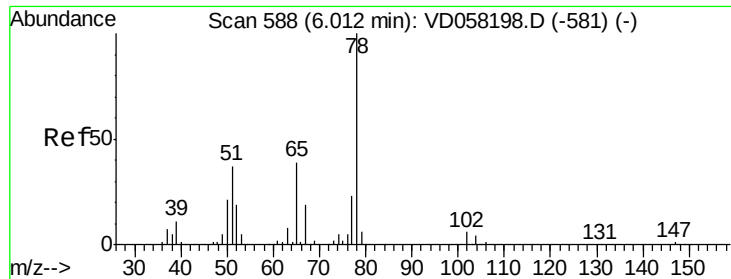
Tot Ion: 83 Resp: 60157
Ion Ratio Lower Upper
83 100
85 67.4 54.8 82.2



#31
Cyclohexane
Concen: Below Cal
RT: 5.63 min Scan# 549
Delta R.T. 0.04 min
Lab File: VD058357.D
Acq: 23 Jun 2018 22:53

Tgt Ion: 56 Resp: 28058
Ion Ratio Lower Upper
56 100
69 35.3 23.6 35.4
84 79.4 65.2 97.8

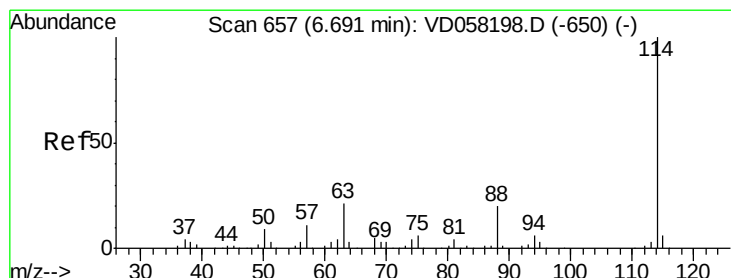
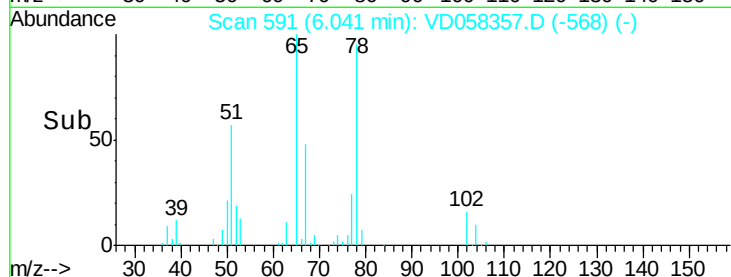
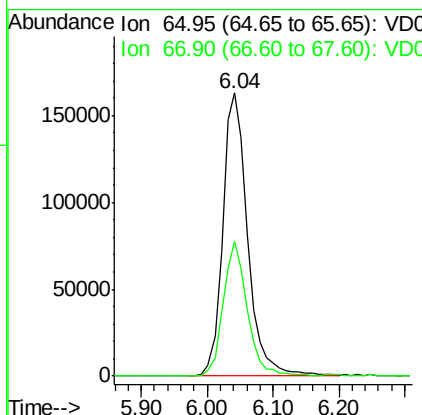
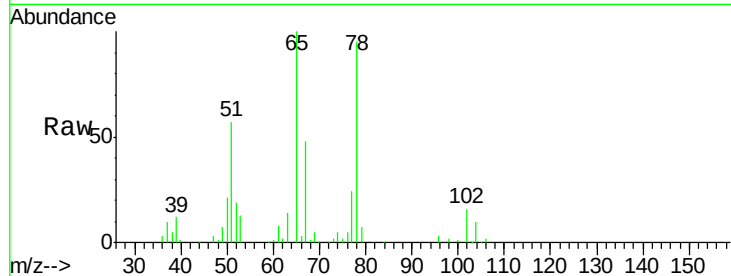




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.04 min Scan# 591
 Delta R.T. 0.03 min
 Lab File: VD058357.D
 Acq: 23 Jun 2018 22:53

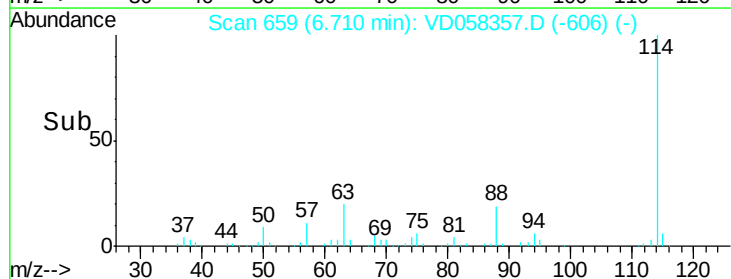
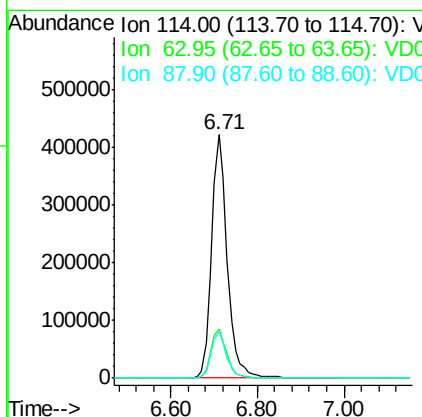
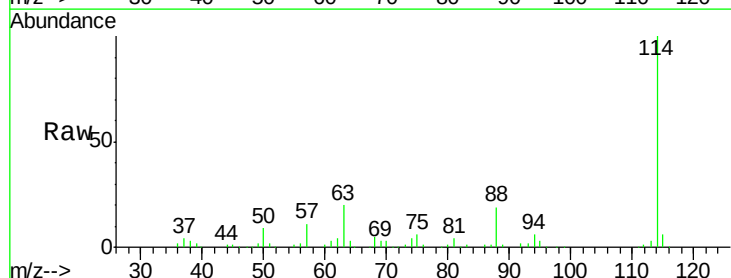
Instrument :
 MSVOA_D
 ClientSampleId :

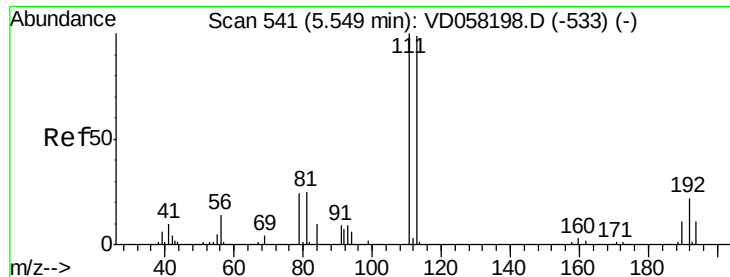
Tot Ion: 65 Resp: 430023
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.71 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VD058357.D
 Acq: 23 Jun 2018 22:53

Tgt Ion: 114 Resp: 1058228
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.6
 88 19.1 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.58 min Scan# 544

Delta R.T. 0.03 min

Lab File: VD058357.D

Acq: 23 Jun 2018 22:53

Instrument :
MSVOA_D
ClientSampleId :

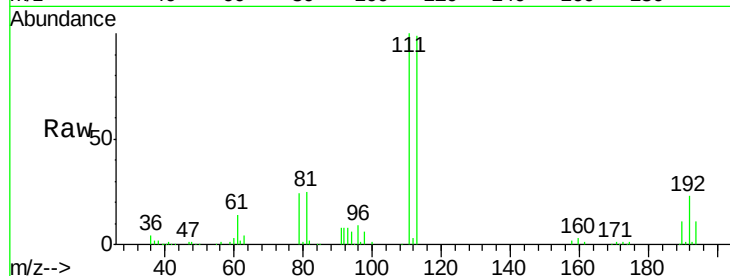
Tot Ion:113 Resp: 426159

Ion	Ratio	Lower	Upper
113	100		
111	101.4	80.6	121.0
192	22.9	17.8	26.6

113 100

111 101.4 80.6 121.0

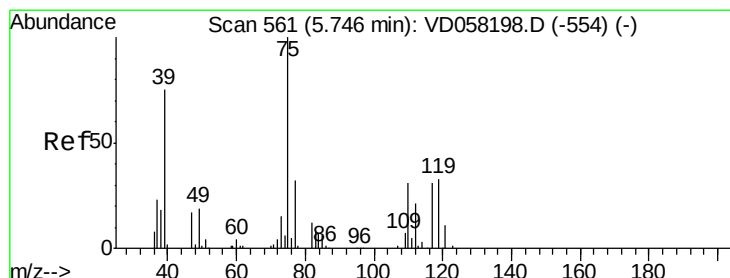
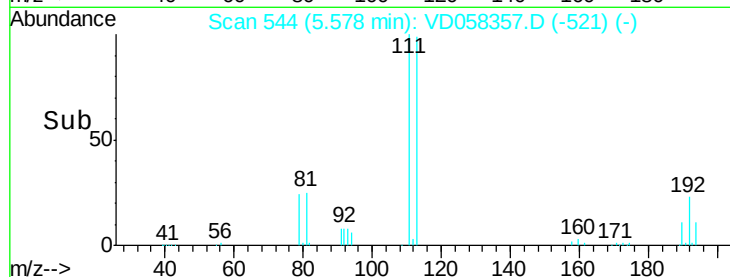
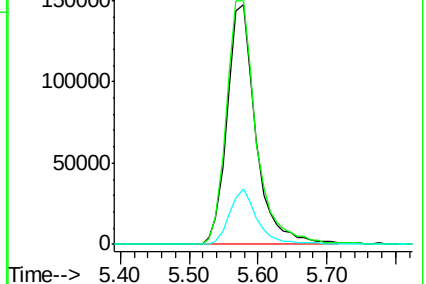
192 22.9 17.8 26.6



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: 6.24 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.09 min

Lab File: VD058357.D

Acq: 23 Jun 2018 22:53

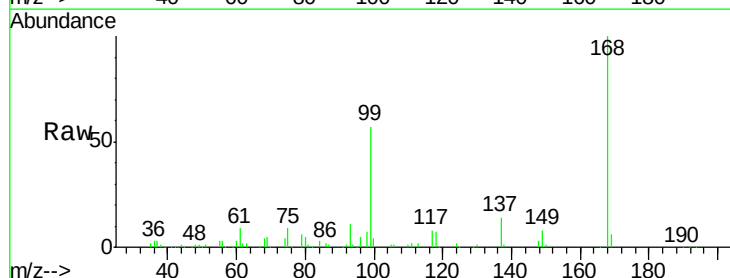
Tgt Ion: 75 Resp: 65328

Ion	Ratio	Lower	Upper
75	100		
110	5.7	15.4	46.4#
77	0.0	25.4	38.2#

75 100

110 5.7 15.4 46.4#

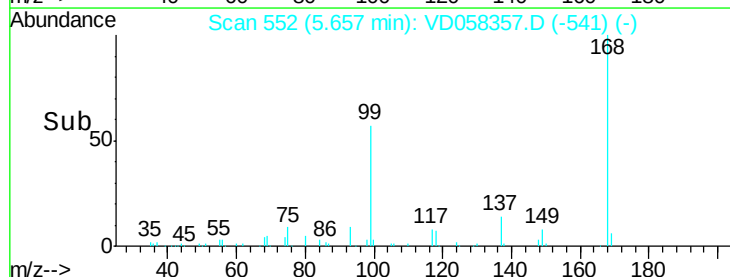
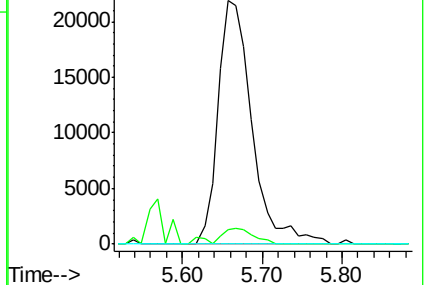
77 0.0 25.4 38.2#

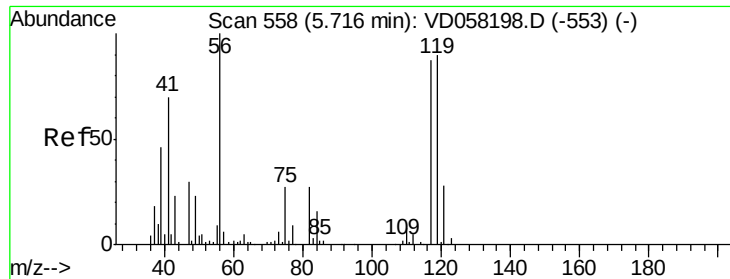


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

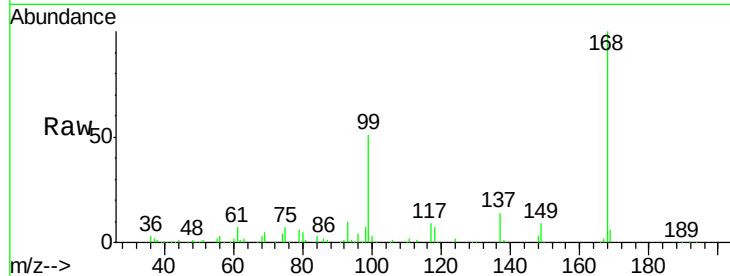




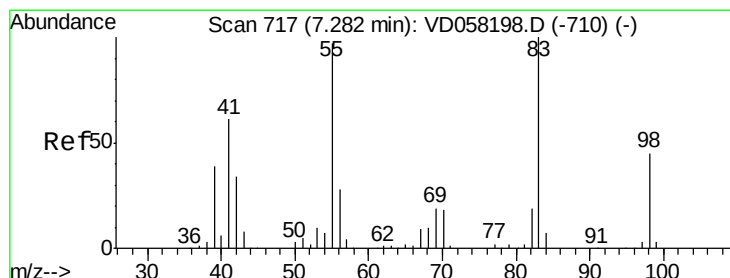
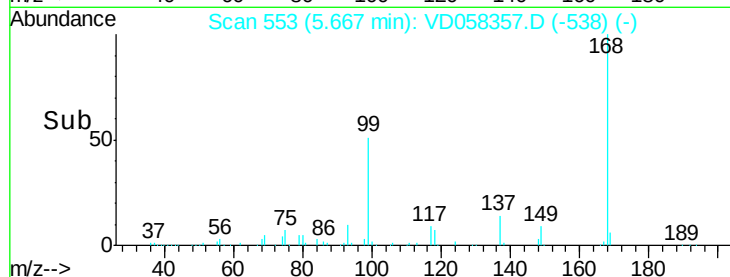
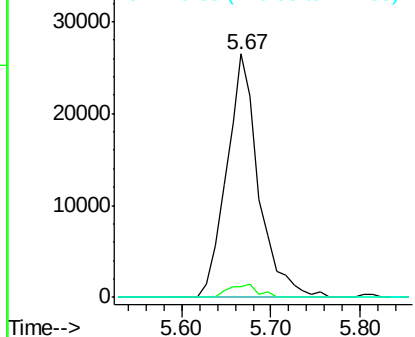
#38
Carbon Tetrachloride
Concen: 6.38 ug/l
RT: 5.67 min Scan# 553
Delta R.T. -0.05 min
Lab File: VD058357.D
Acq: 23 Jun 2018 22:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 66367
Ion Ratio Lower Upper
117 100
119 4.4 78.8 118.2#
121 0.0 25.0 37.6#

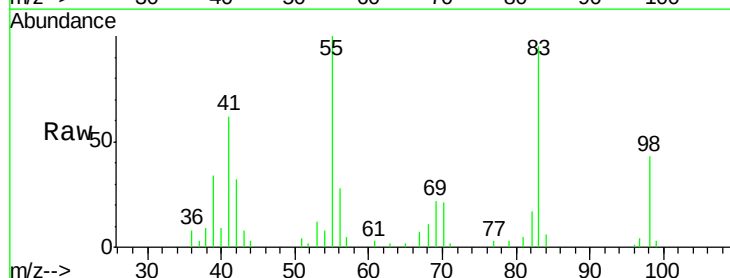


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

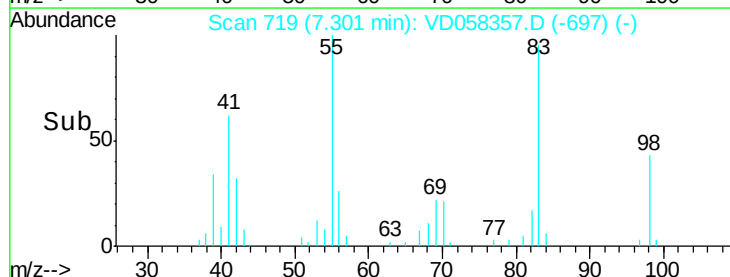
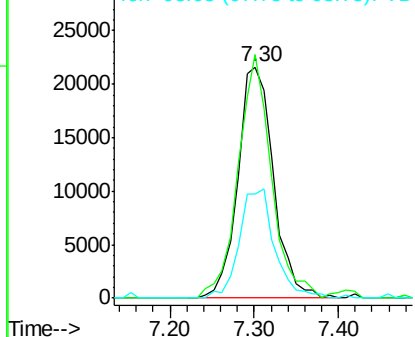


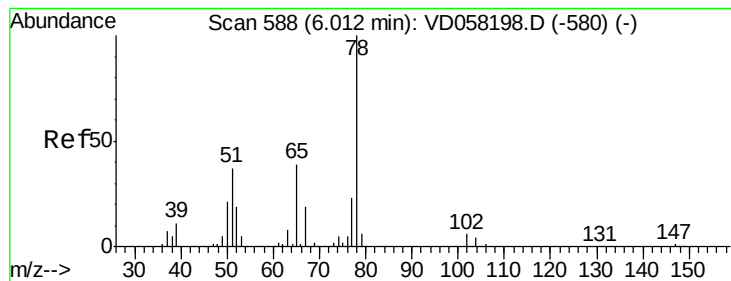
#39
Methylcyclohexane
Concen: 6.25 ug/l
RT: 7.30 min Scan# 719
Delta R.T. 0.02 min
Lab File: VD058357.D
Acq: 23 Jun 2018 22:53

Tgt Ion: 83 Resp: 63765
Ion Ratio Lower Upper
83 100
55 105.4 77.4 116.2
98 44.8 35.9 53.9



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 17.45 ug/l

RT: 6.04 min Scan# 591

Delta R.T. 0.03 min

Lab File: VD058357.D

Acq: 23 Jun 2018 22:53

Instrument :

MSVOA_D

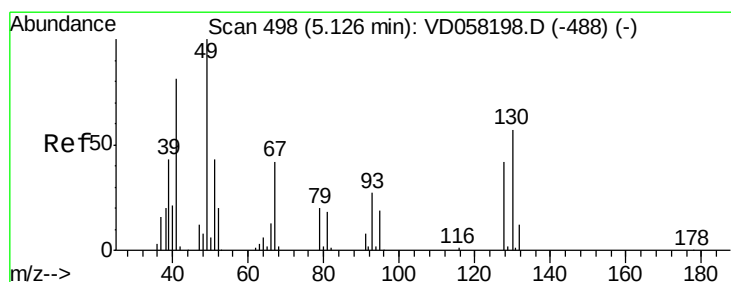
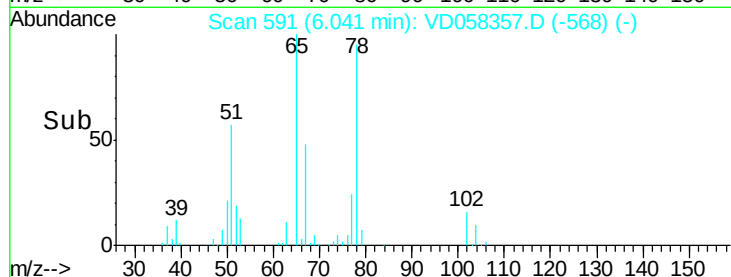
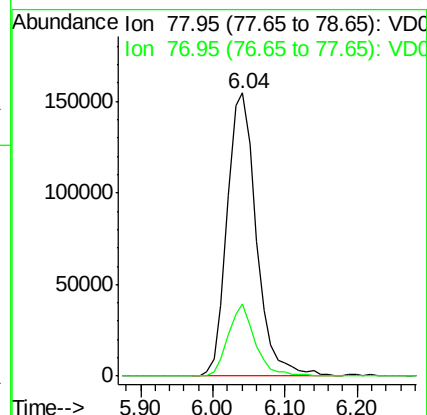
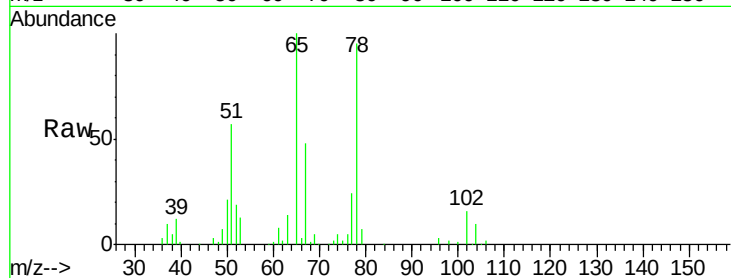
ClientSampleId :

Tot Ion: 78 Resp: 435063

Ion Ratio Lower Upper

78 100

77 25.4 18.5 27.7



#41

Methacrylonitrile

Concen: 2.46 ug/l

RT: 5.22 min Scan# 508

Delta R.T. 0.10 min

Lab File: VD058357.D

Acq: 23 Jun 2018 22:53

Tgt Ion: 41 Resp: 7091

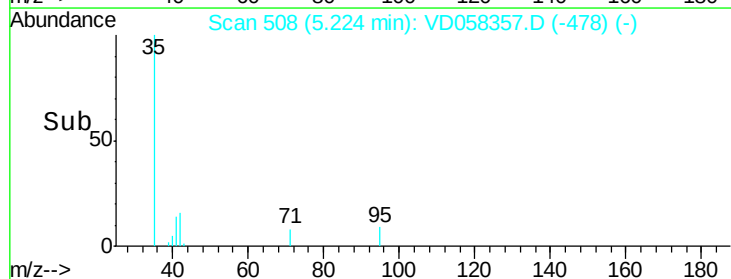
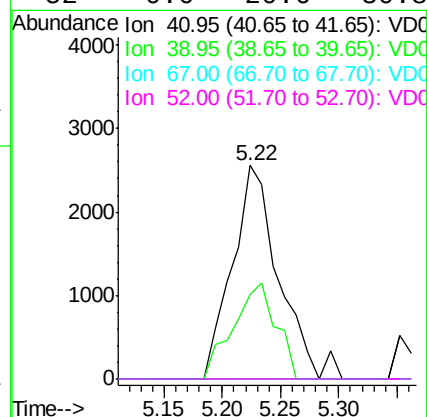
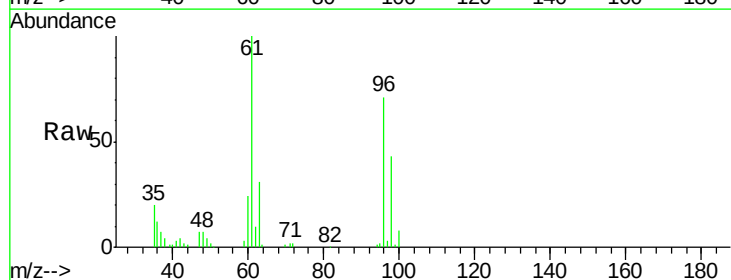
Ion Ratio Lower Upper

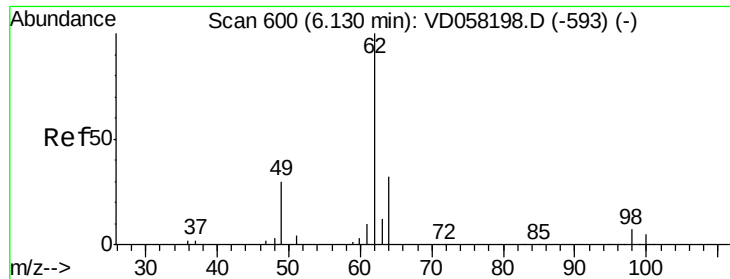
41 100

39 39.4 43.4 65.2#

67 0.0 41.7 62.5#

52 0.0 20.6 30.8#

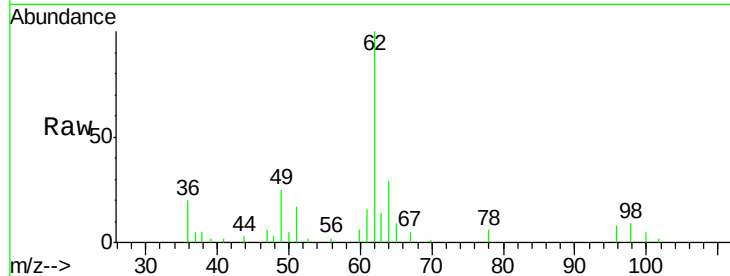




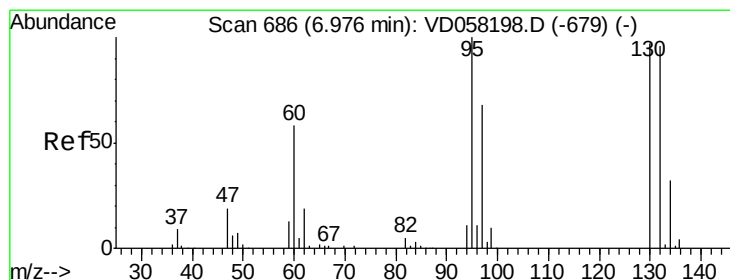
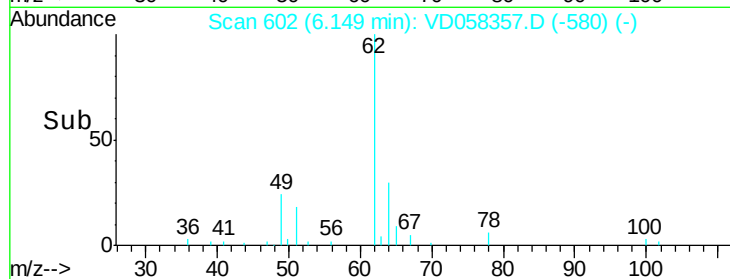
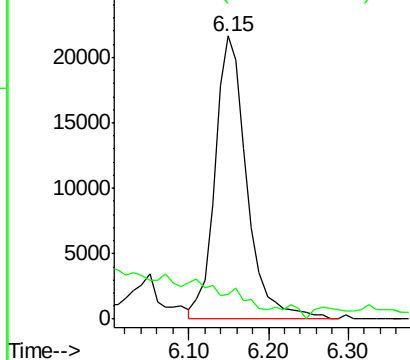
#42
1,2-Dichloroethane
Concen: 6.01 ug/l
RT: 6.15 min Scan# 602
Delta R.T. 0.02 min
Lab File: VD058357.D
Acq: 23 Jun 2018 22:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 62 Resp: 60464
Ion Ratio Lower Upper
62 100
98 8.7 0.0 13.2

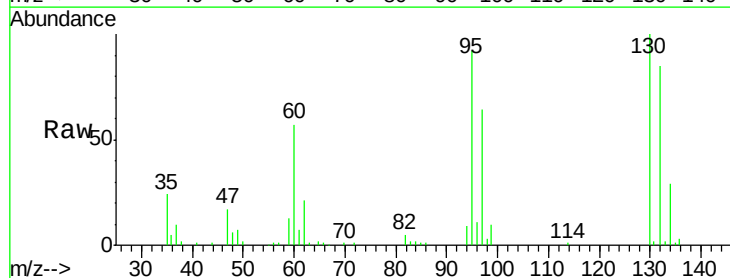


Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

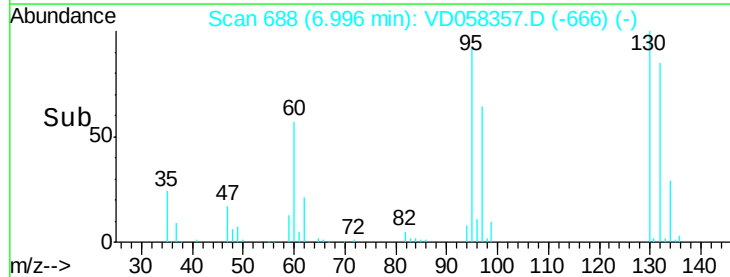
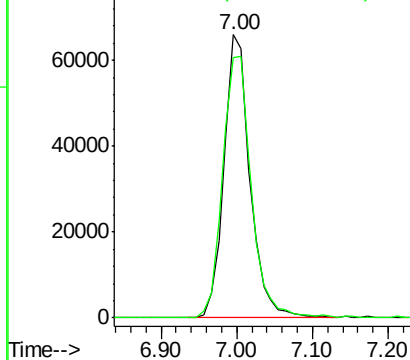


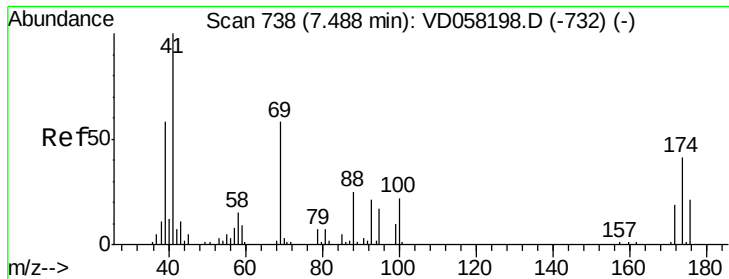
#44
Trichloroethene
Concen: 20.95 ug/l
RT: 7.00 min Scan# 688
Delta R.T. 0.02 min
Lab File: VD058357.D
Acq: 23 Jun 2018 22:53

Tgt Ion:130 Resp: 156883
Ion Ratio Lower Upper
130 100
95 92.2 0.0 205.6



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





#49

1,4-Dioxane

Concen: 5.16 ug/l

RT: 7.04 min Scan# 692

Delta R.T. -0.45 min

Lab File: VD058357.D

Acq: 23 Jun 2018 22:53

Instrument :

MSVOA_D

ClientSampleId :

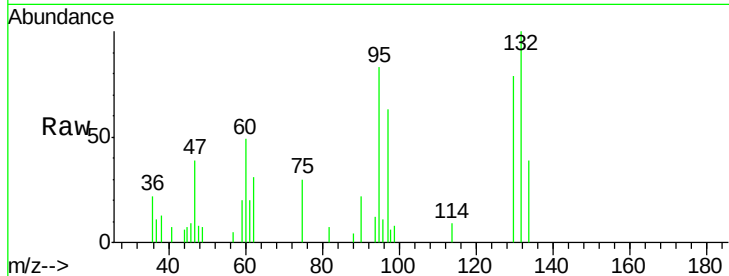
Tot Ion: 88 Resp: 225

Ion Ratio Lower Upper

88 100

43 0.0 34.2 51.2#

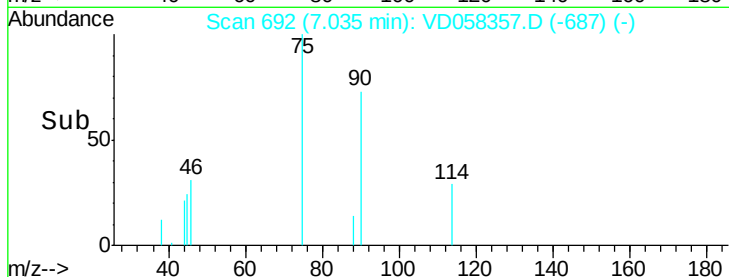
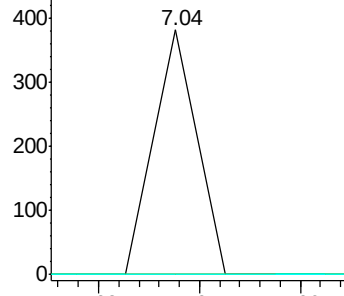
58 0.0 47.9 71.9#



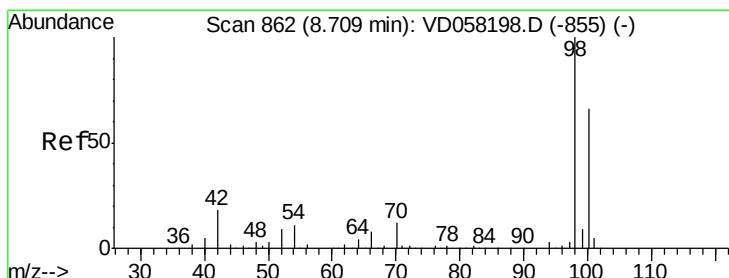
Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#50

Toluene-d8

Concen: 5.16 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058357.D

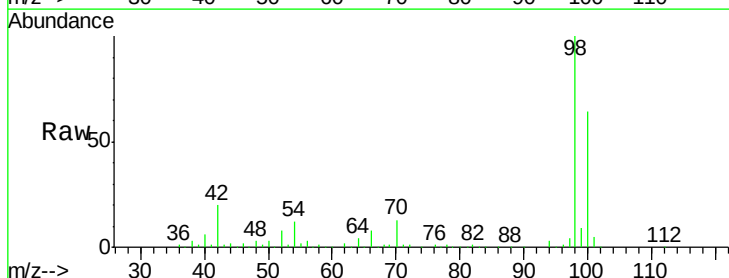
Acq: 23 Jun 2018 22:53

Tgt Ion: 98 Resp: 1059015

Ion Ratio Lower Upper

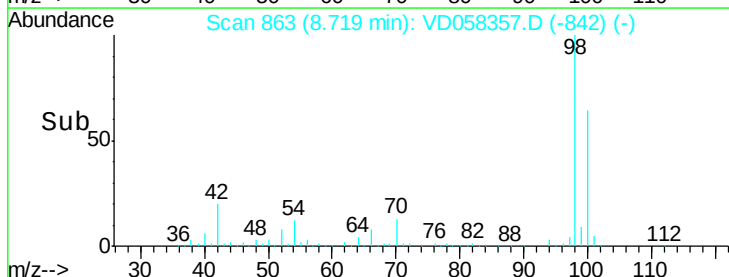
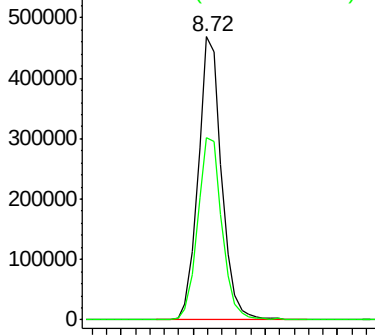
98 100

100 64.5 53.6 80.4

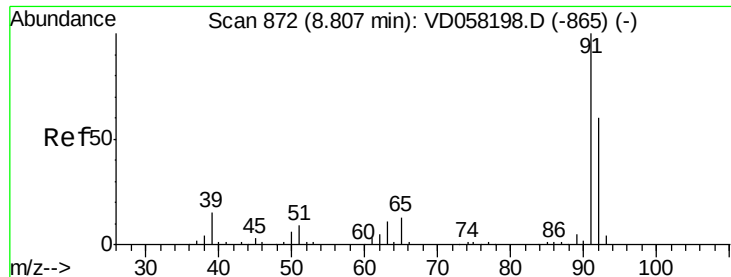


Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



Time-->



#52

Toluene

Concen: 8.58 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058357.D

Acq: 23 Jun 2018 22:53

Instrument :

MSVOA_D

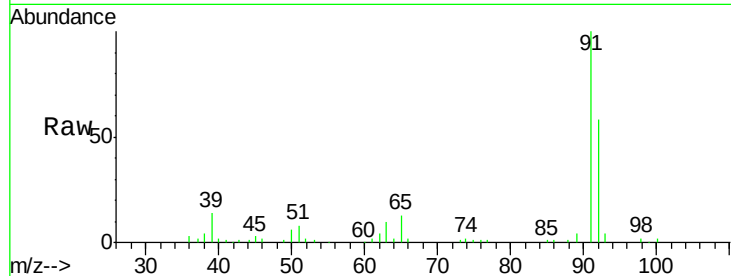
ClientSampleId :

Tot Ion: 92 Resp: 121772

Ion Ratio Lower Upper

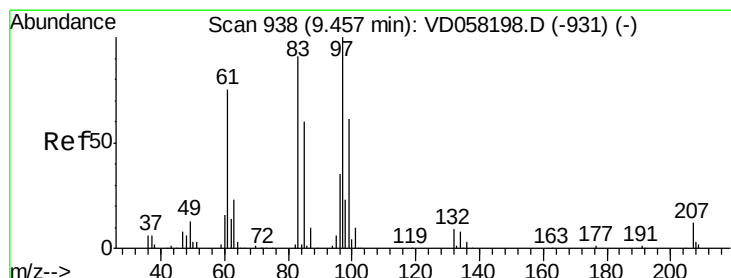
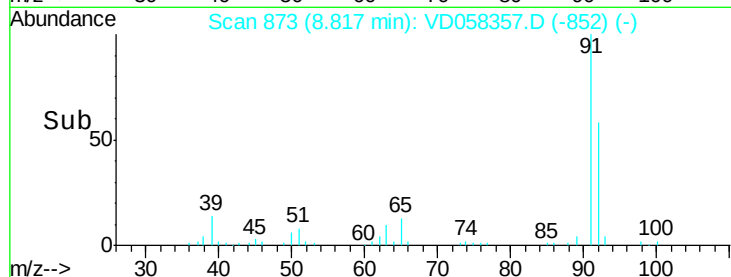
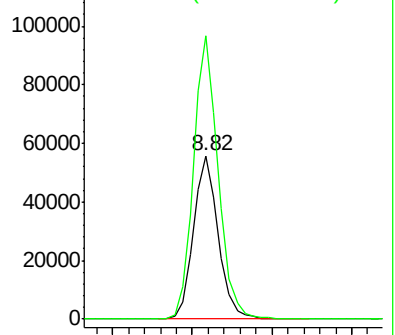
92 100

91 173.6 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#55

1,1,2-Trichloroethane

Concen: 21.73 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.01 min

Lab File: VD058357.D

Acq: 23 Jun 2018 22:53

Tgt Ion: 97 Resp: 109188

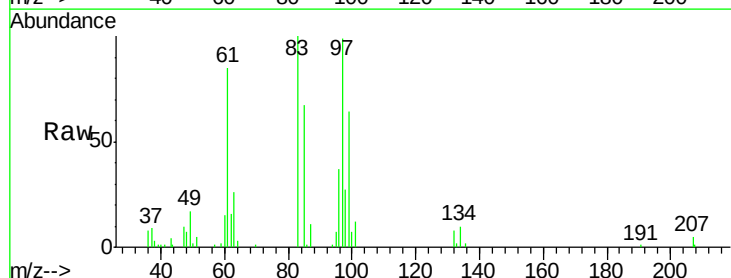
Ion Ratio Lower Upper

97 100

83 101.3 72.9 109.3

85 67.6 48.2 72.4

99 64.4 48.9 73.3

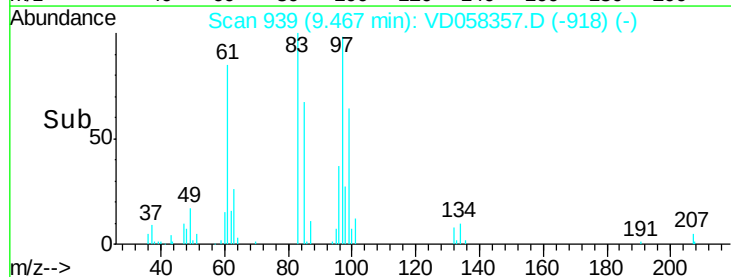
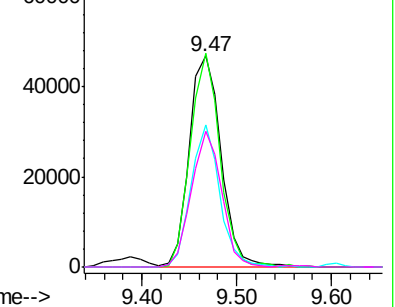


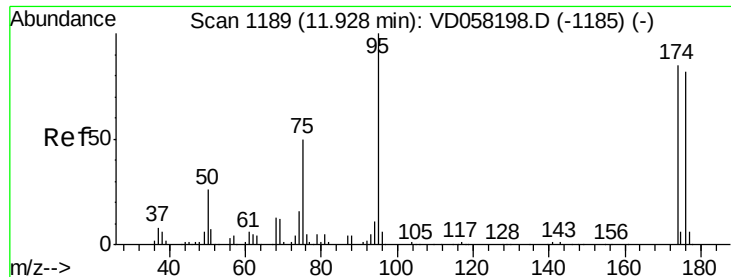
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

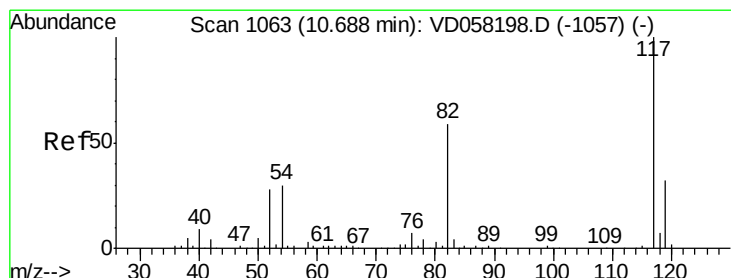
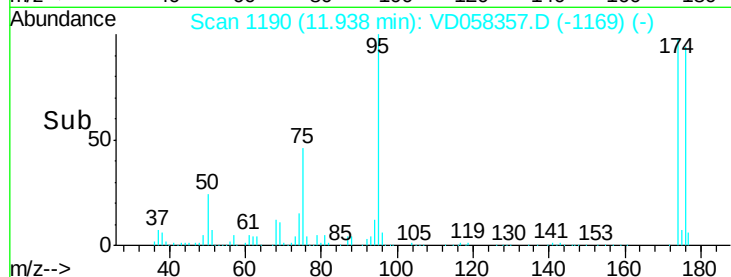
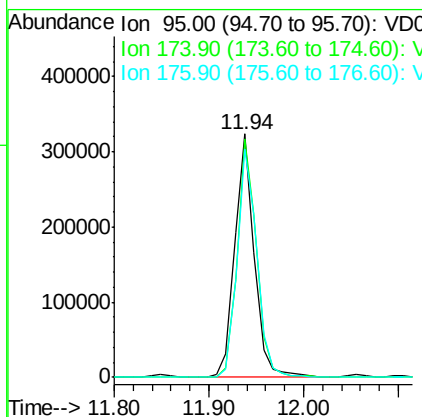
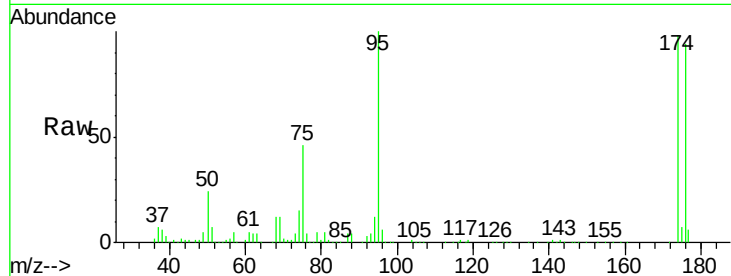




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058357.D
Acq: 23 Jun 2018 22:53

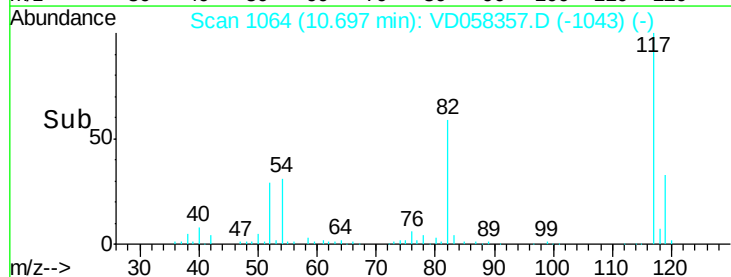
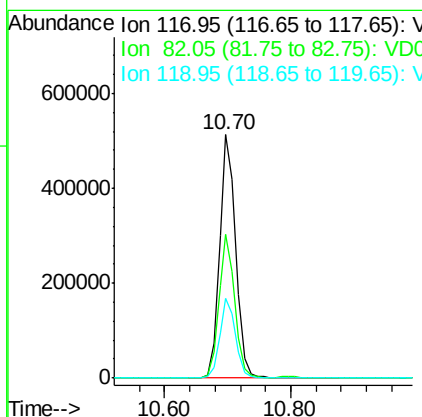
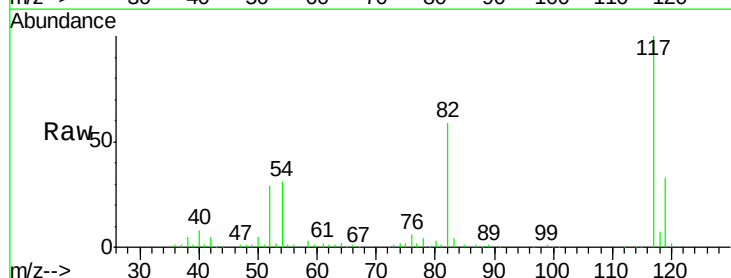
Instrument :
MSVOA_D
ClientSampled :

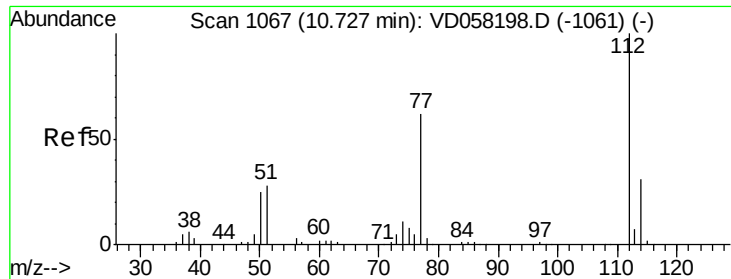
Tot Ion: 95 Resp: 462326
Ion Ratio Lower Upper
95 100
174 98.1 0.0 170.2
176 94.0 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058357.D
Acq: 23 Jun 2018 22:53

Tgt Ion: 117 Resp: 920187
Ion Ratio Lower Upper
117 100
82 58.9 47.0 70.6
119 32.8 25.3 37.9

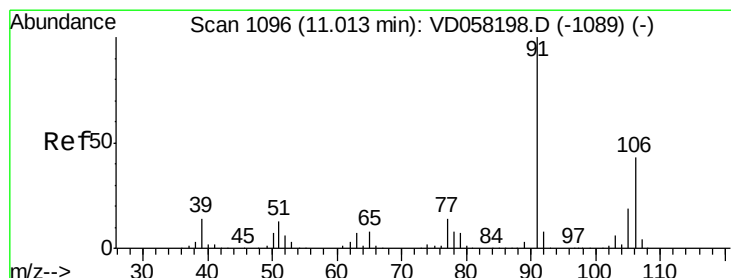
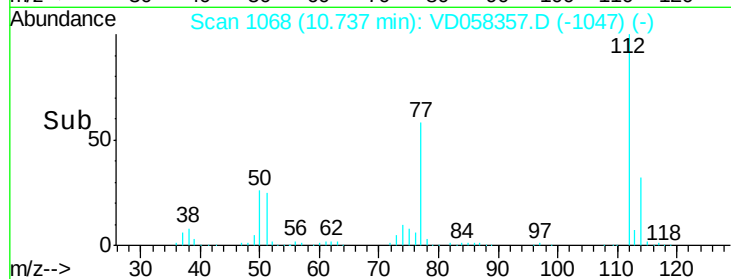
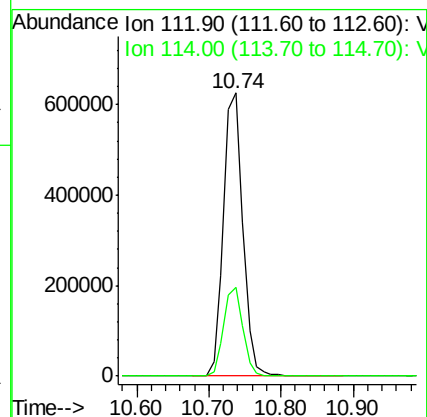
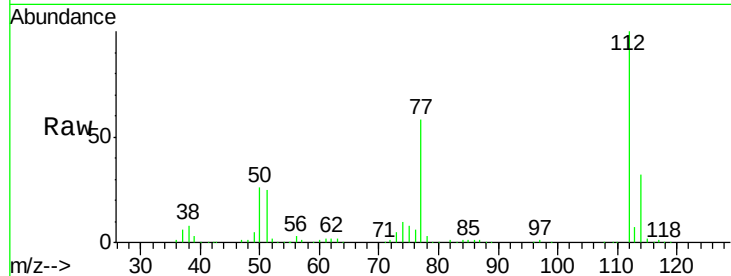




#65
Chlorobenzene
Concen: 67.40 ug/l
RT: 10.74 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VD058357.D
Acq: 23 Jun 2018 22:53

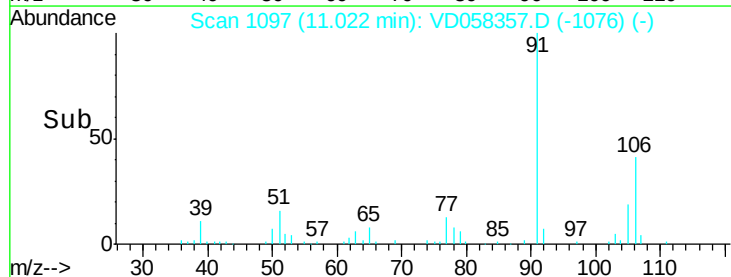
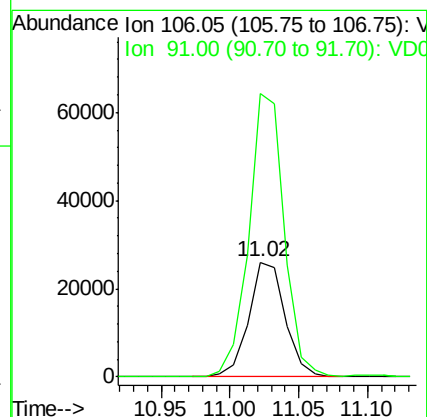
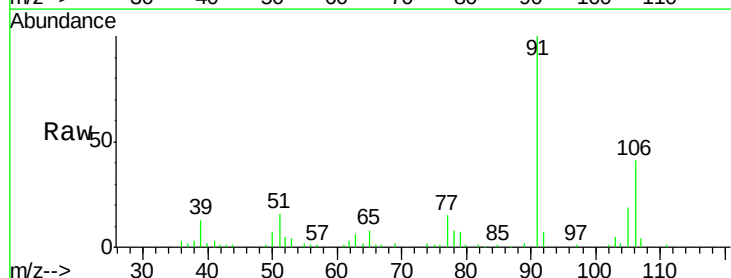
Instrument :
MSVOA_D
ClientSampleId :

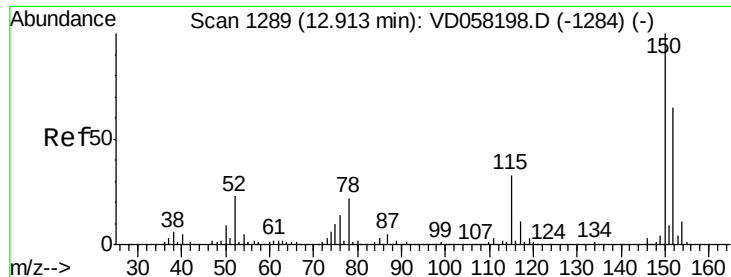
Tot Ion:112 Resp: 1160208
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.4



#68
m/p-Xylenes
Concen: 4.73 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058357.D
Acq: 23 Jun 2018 22:53

Tgt Ion:106 Resp: 47977
Ion Ratio Lower Upper
106 100
91 246.3 185.0 277.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD058357.D

Acq: 23 Jun 2018 22:53

Instrument :

MSVOA_D

ClientSampleId :

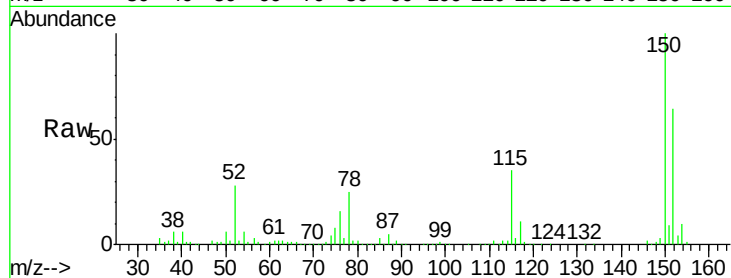
Tot Ion:152 Resp: 448030

Ion Ratio Lower Upper

152 100

115 55.2 25.1 75.3

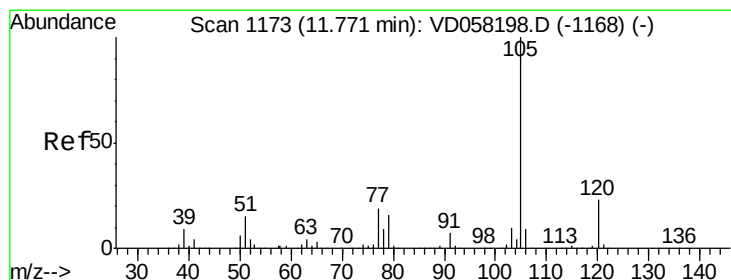
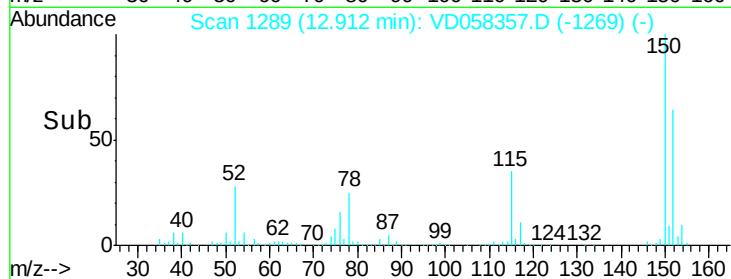
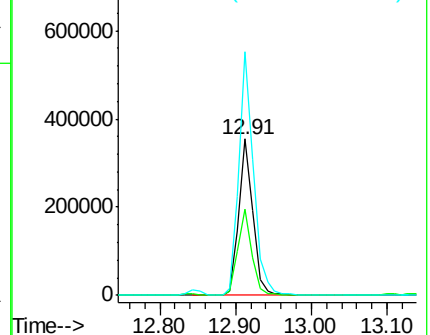
150 156.1 0.0 308.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 2.03 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058357.D

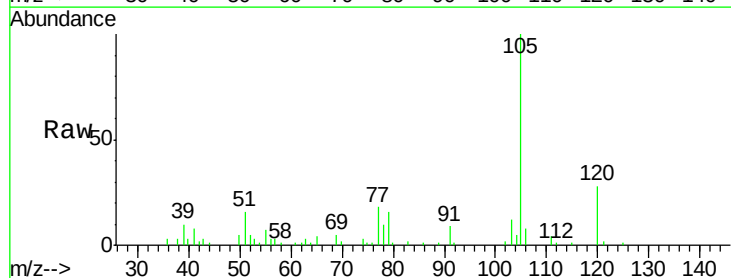
Acq: 23 Jun 2018 22:53

Tgt Ion:105 Resp: 54494

Ion Ratio Lower Upper

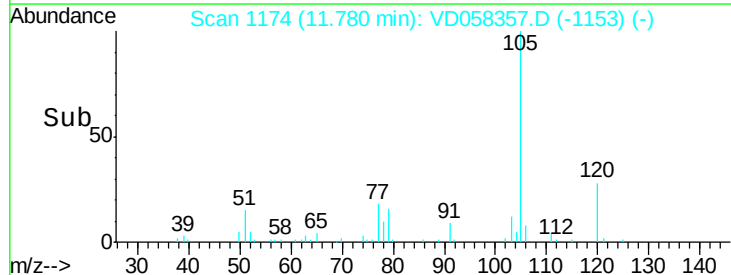
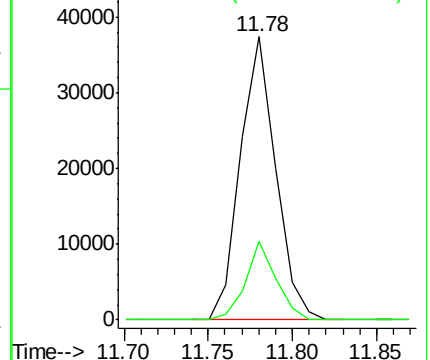
105 100

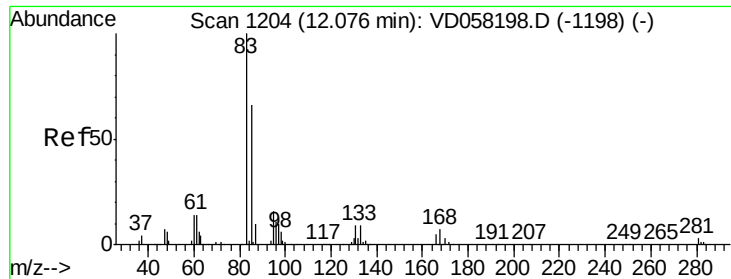
120 27.9 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#75

1,1,2,2-Tetrachloroethane

Concen: 1.25 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. 0.02 min

Lab File: VD058357.D

Acq: 23 Jun 2018 22:53

Instrument :

MSVOA_D

ClientSampleId :

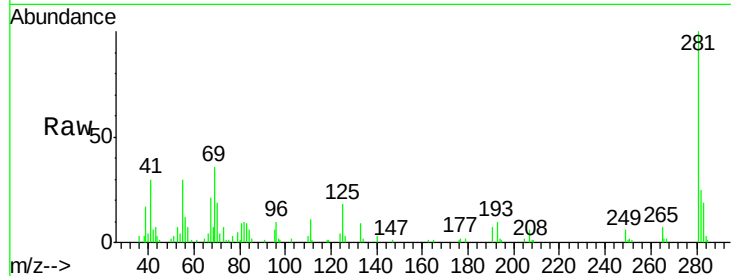
Tot Ion: 83 Resp: 7814

Ion Ratio Lower Upper

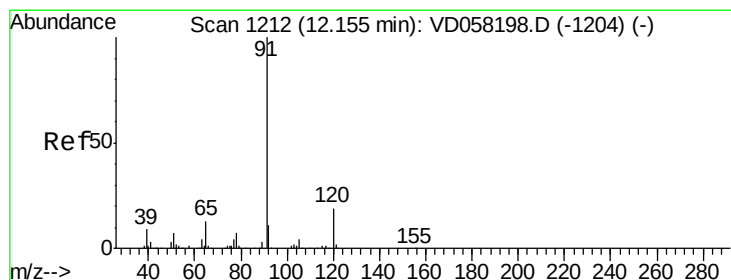
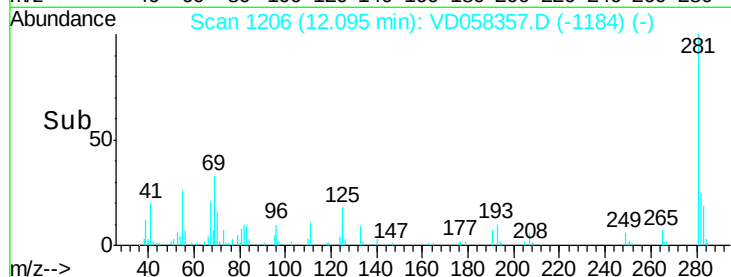
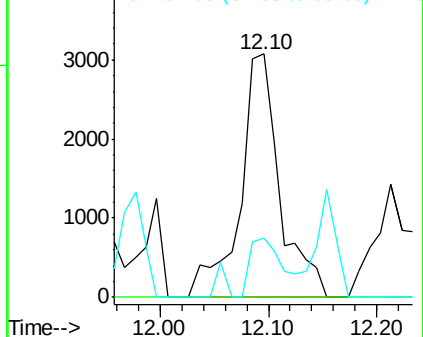
83 100

131 0.0 4.8 14.3#

85 24.5 33.1 99.5#



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



#78

n-propylbenzene

Concen: 2.44 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058357.D

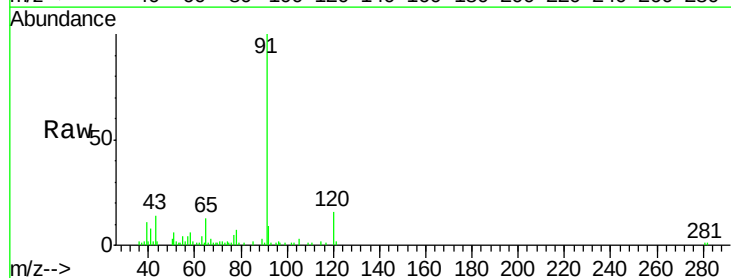
Acq: 23 Jun 2018 22:53

Tgt Ion: 91 Resp: 84313

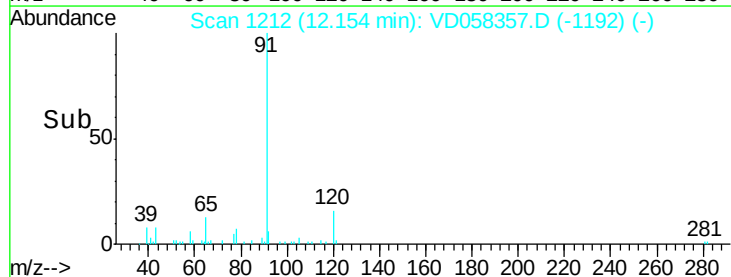
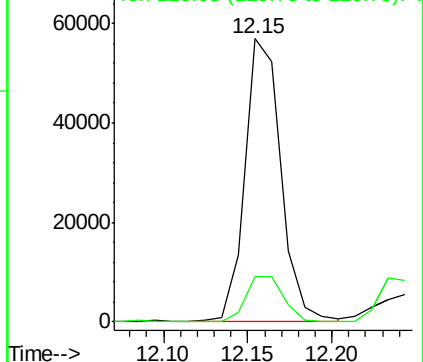
Ion Ratio Lower Upper

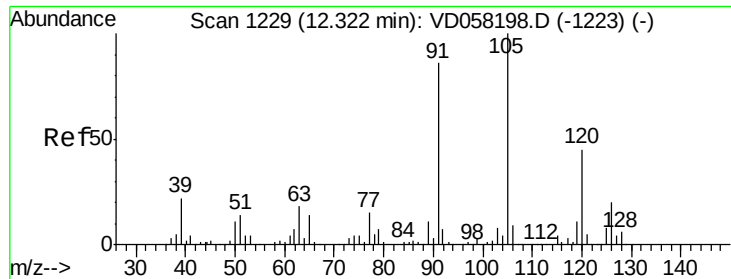
91 100

120 16.0 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): VDC

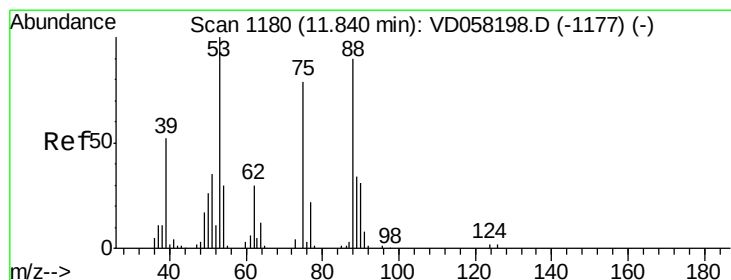
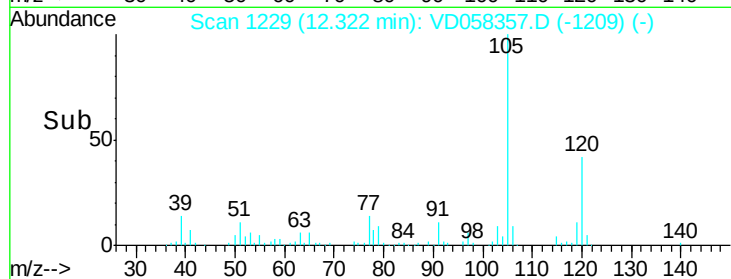
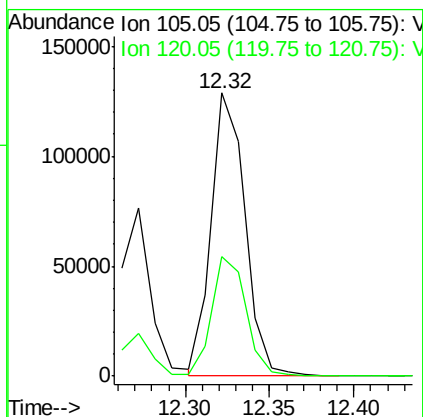
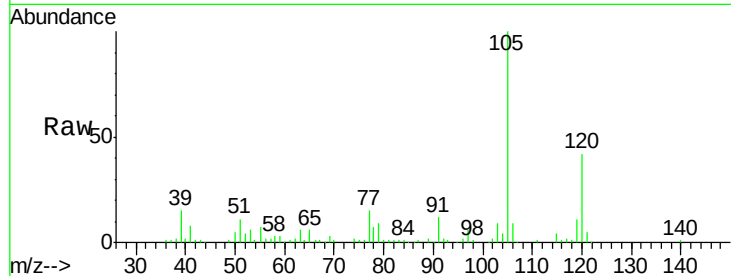




#80
 1,3,5-Trimethylbenzene
 Concen: 8.65 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058357.D
 Acq: 23 Jun 2018 22:53

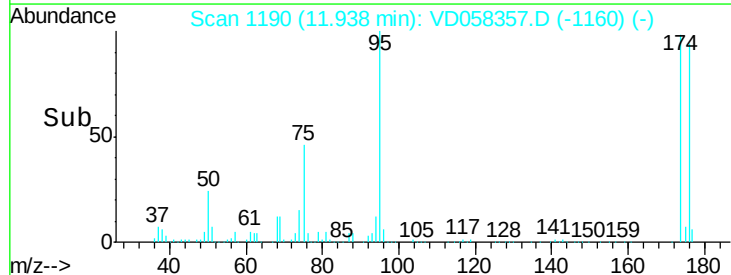
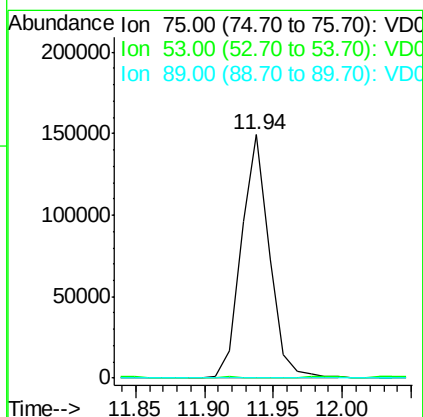
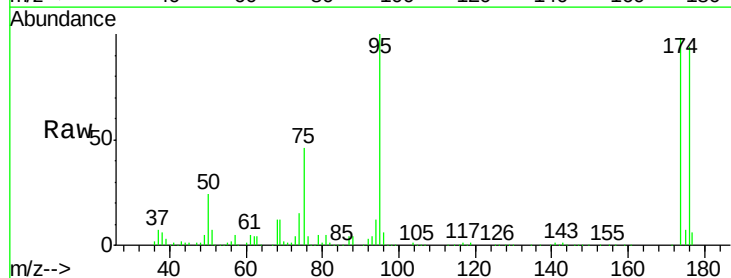
Instrument :
 MSVOA_D
 ClientSampled :

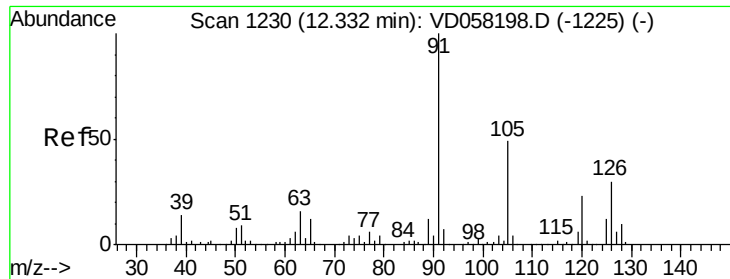
Tot Ion: 105 Resp: 180898
 Ion Ratio Lower Upper
 105 100
 120 42.5 22.5 67.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.51 ug/l
 RT: 11.94 min Scan# 1190
 Delta R.T. 0.10 min
 Lab File: VD058357.D
 Acq: 23 Jun 2018 22:53

Tgt Ion: 75 Resp: 211411
 Ion Ratio Lower Upper
 75 100
 53 0.3 100.8 151.2#
 89 0.0 34.6 52.0#

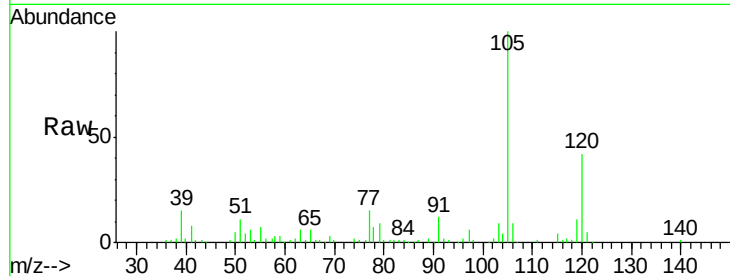




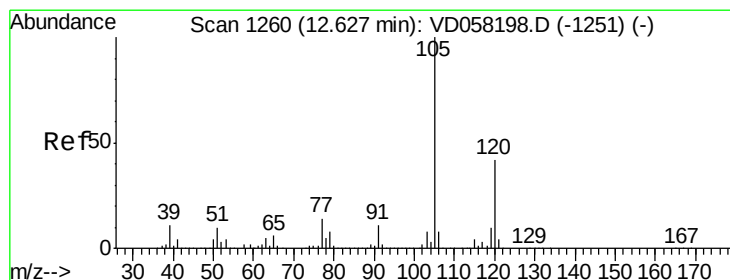
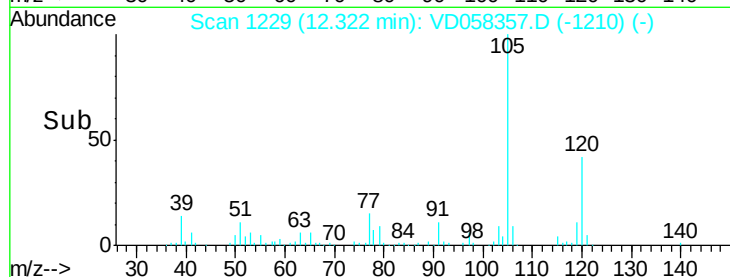
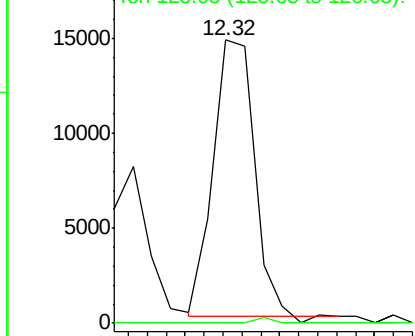
#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VD058357.D
Acq: 23 Jun 2018 22:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 21701
Ion Ratio Lower Upper
91 100
126 0.0 14.9 44.9#

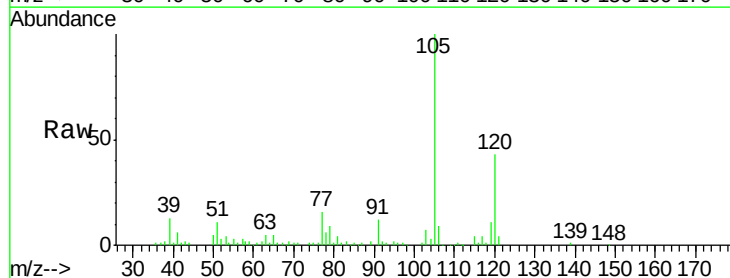


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

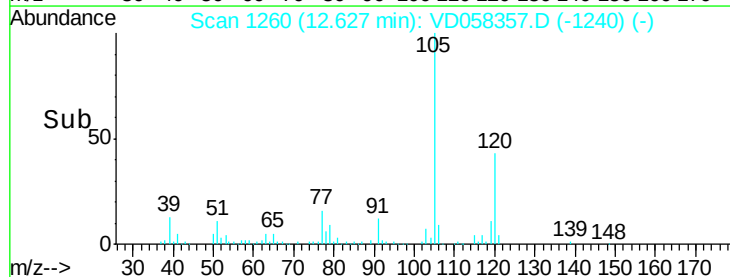
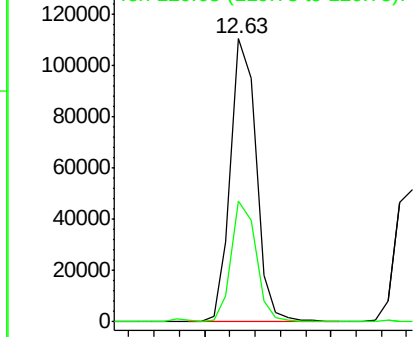


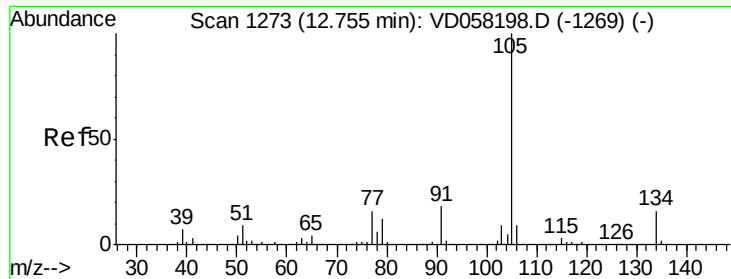
#84
1,2,4-Trimethylbenzene
Concen: 6.86 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VD058357.D
Acq: 23 Jun 2018 22:53

Tgt Ion:105 Resp: 155797
Ion Ratio Lower Upper
105 100
120 42.9 20.8 62.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

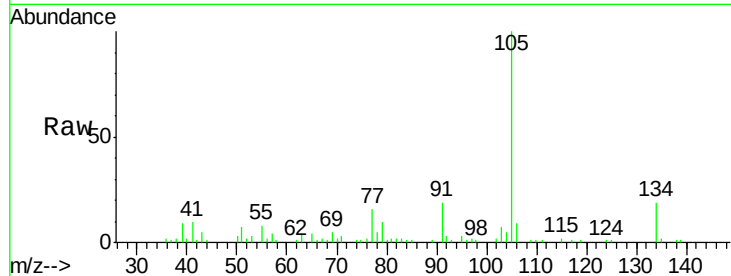




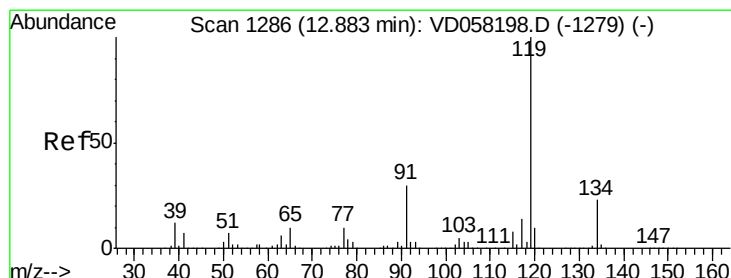
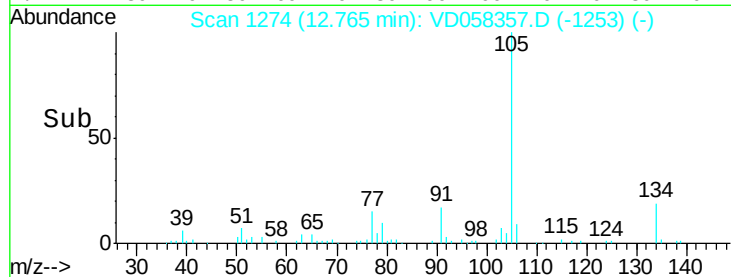
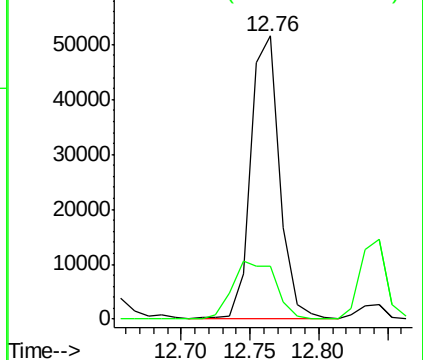
#85
 sec-Butylbenzene
 Concen: 2.70 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD058357.D
 Acq: 23 Jun 2018 22:53

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:105 Resp: 76029
 Ion Ratio Lower Upper
 105 100
 134 18.8 8.1 24.3

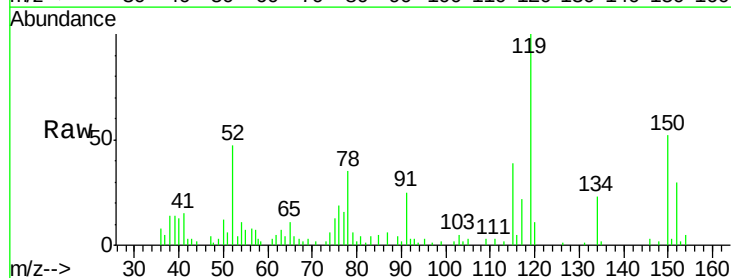


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

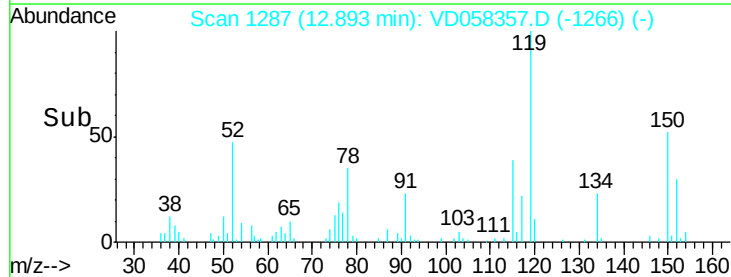
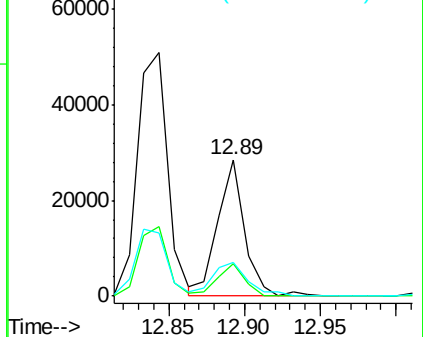


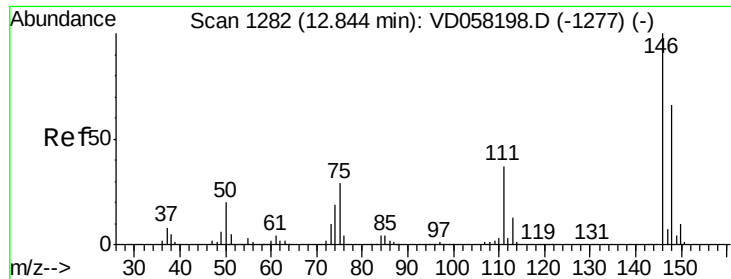
#86
 p-Isopropyltoluene
 Concen: 1.56 ug/l
 RT: 12.89 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD058357.D
 Acq: 23 Jun 2018 22:53

Tgt Ion:119 Resp: 35513
 Ion Ratio Lower Upper
 119 100
 134 23.4 11.6 34.8
 91 24.7 15.0 45.1



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

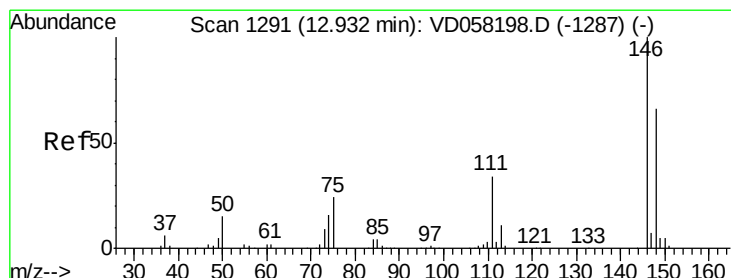
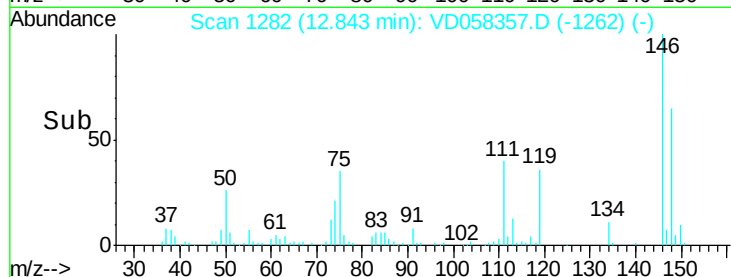
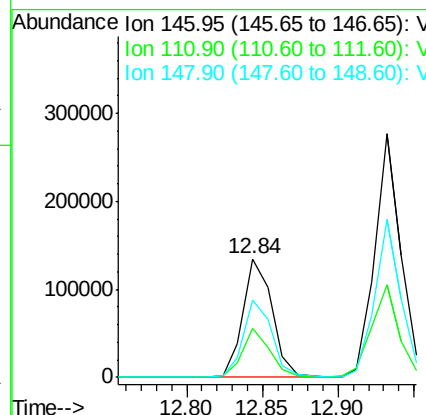
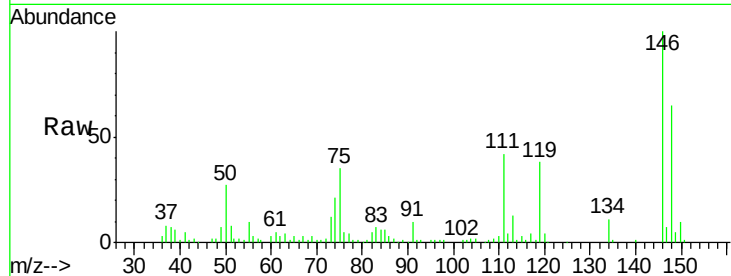




#87
 1,3-Dichlorobenzene
 Concen: 13.05 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058357.D
 Acq: 23 Jun 2018 22:53

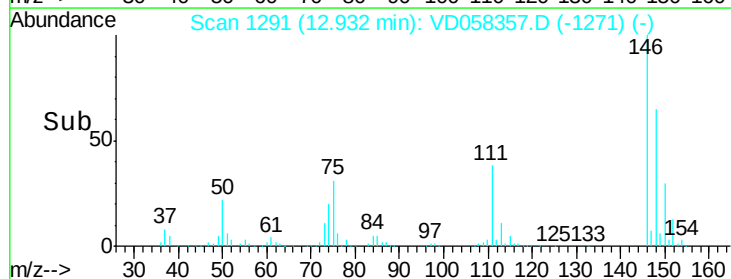
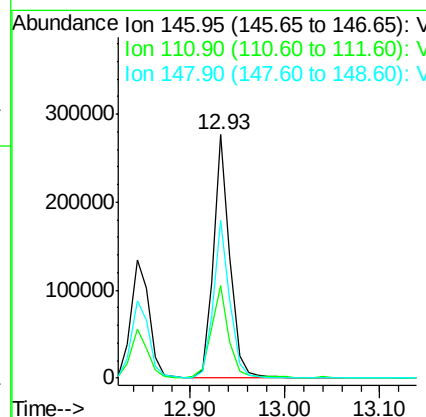
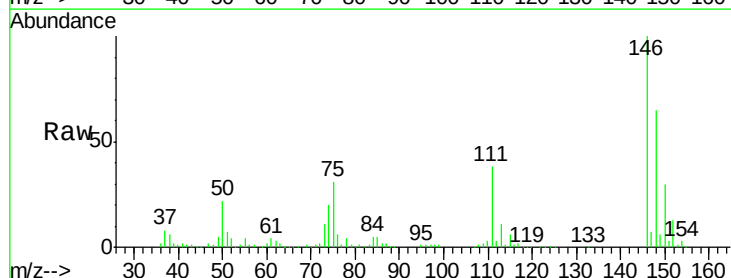
Instrument :
 MSVOA_D
 ClientSampleID :

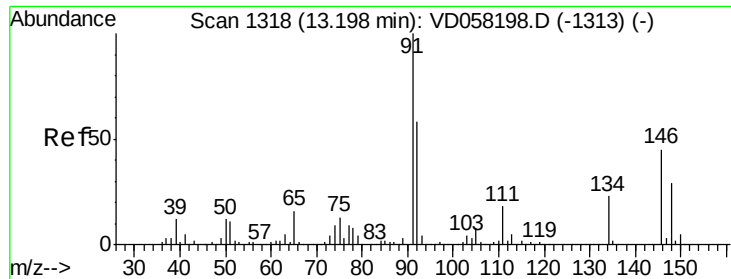
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	18.4	55.0
148	64.9	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 24.88 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD058357.D
 Acq: 23 Jun 2018 22:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	17.2	51.5
148	64.6	33.1	99.3

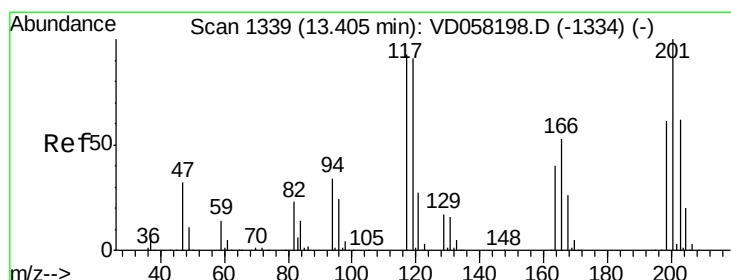
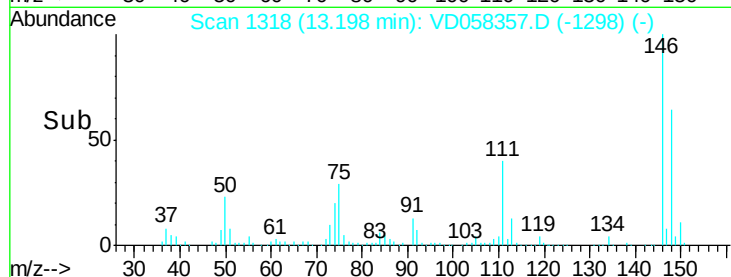
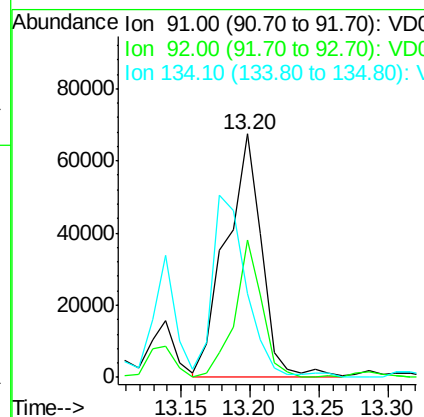
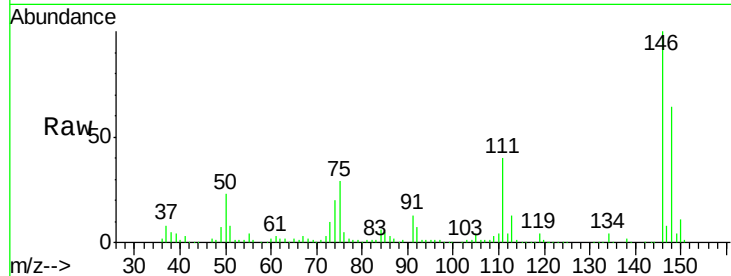




#89
n-Butylbenzene
Concen: 5.09 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD058357.D
Acq: 23 Jun 2018 22:53

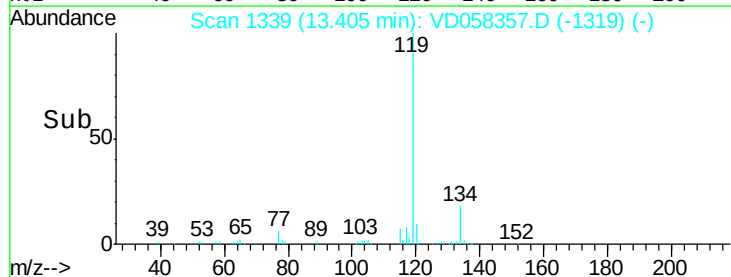
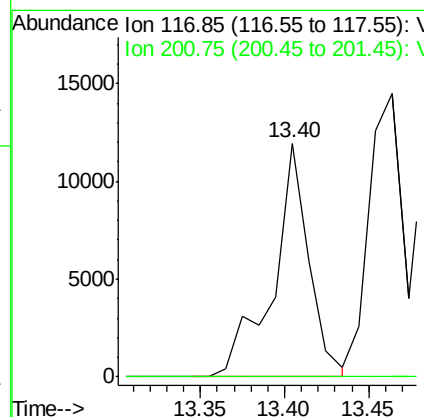
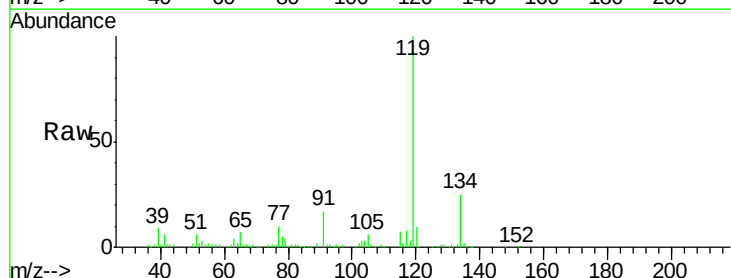
Instrument :
MSVOA_D
ClientSampleId :

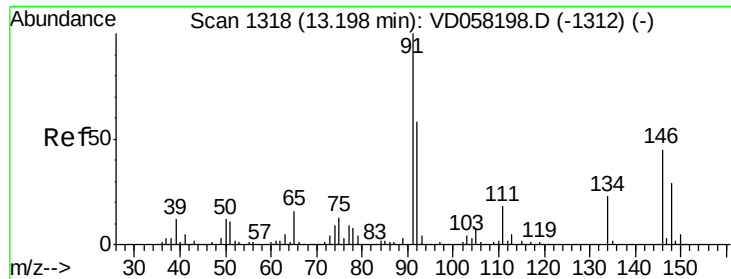
Tot Ion: 91 Resp: 122066
Ion Ratio Lower Upper
91 100
92 56.3 29.2 87.6
134 34.3 11.3 33.8#



#90
Hexachloroethane
Concen: 2.98 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD058357.D
Acq: 23 Jun 2018 22:53

Tgt Ion: 117 Resp: 17675
Ion Ratio Lower Upper
117 100
201 0.0 53.8 161.4#

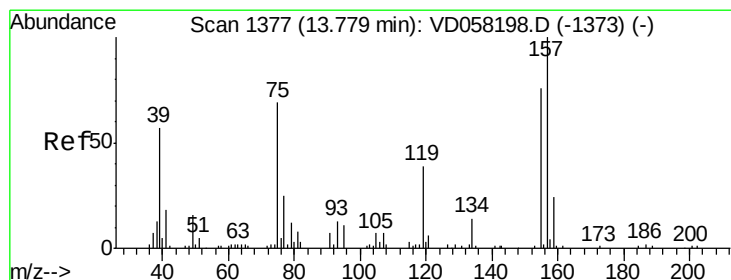
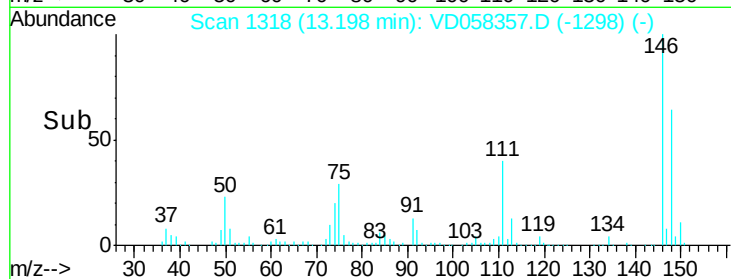
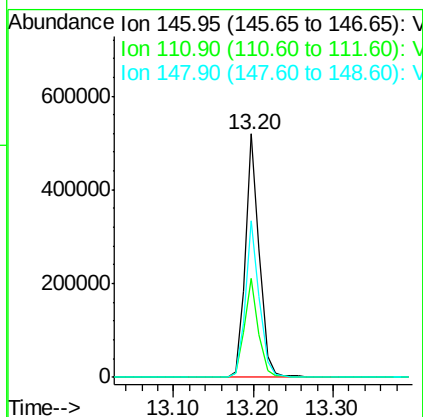
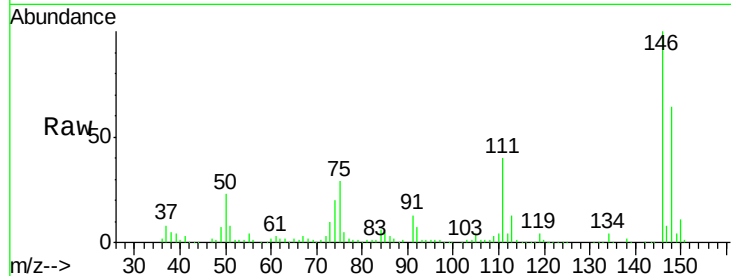




#91
 1,2-Dichlorobenzene
 Concen: 52.73 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD058357.D
 Acq: 23 Jun 2018 22:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 625881
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.6 58.7
 148 64.1 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.77 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD058357.D
 Acq: 23 Jun 2018 22:53

Tgt Ion: 75 Resp: 2745
 Ion Ratio Lower Upper
 75 100
 155 0.0 54.5 163.5#
 157 0.0 72.0 215.9#

