

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058019.D
 Acq On : 8 Jun 2018 15:48
 Operator : VA/AP
 Sample : J3320-05
 Misc : 5.87g/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 08 23:56:21 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	811558	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	1003016	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	850086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	447355	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.00	65	396817	48.91	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	5.54	113	417143	53.75	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.50%	
50) Toluene-d8	8.70	98	958551	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
62) 4-Bromofluorobenzene	11.92	95	403452	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

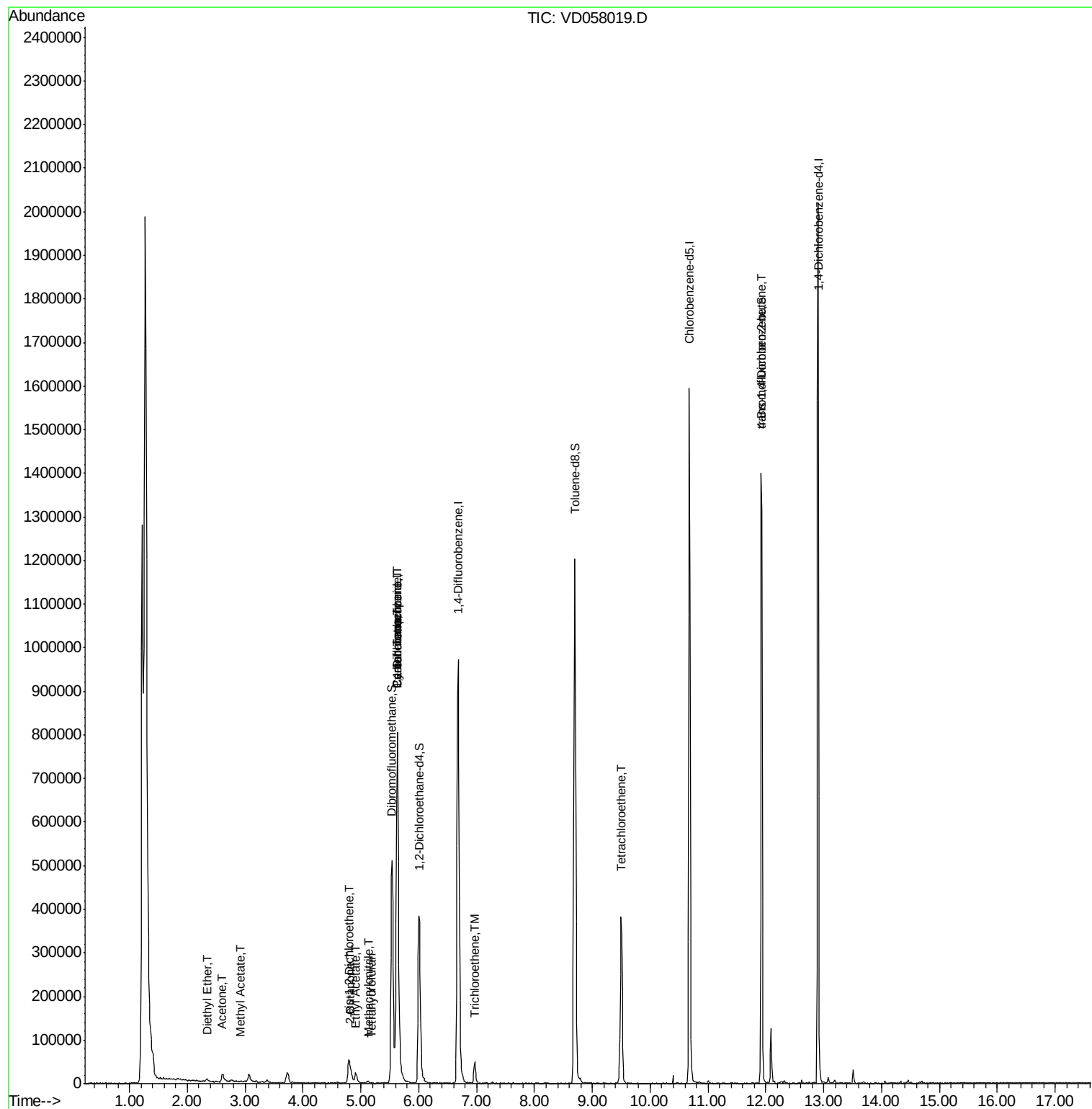
						Qvalue
8) Diethyl Ether	2.35	74	2168	1.644	ug/l	73
16) Acetone	2.61	43	41469	35.476	ug/l	97
18) Methyl Acetate	2.93	43	4924	2.178	ug/l #	66
20) Methylene Chloride	3.07	84	7677	Below Cal	#	88
25) 2-Butanone	4.83	43	10105	3.804	ug/l	97
27) cis-1,2-Dichloroethene	4.80	96	31617	3.677	ug/l	70
29) Tetrahydrofuran	5.19	42	1636	1.175	ug/l #	39
31) Cyclohexane	5.63	56	19121	1.355	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	69968	6.332	ug/l #	50
37) Ethyl Acetate	4.91	43	44821	7.433	ug/l #	97
38) Carbon Tetrachloride	5.63	117	68743	6.312	ug/l #	15
41) Methacrylonitrile	5.12	41	5199	1.886	ug/l #	82
44) Trichloroethene	6.97	130	18669	2.476	ug/l	90
64) Tetrachloroethene	9.50	164	112023	14.740	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.92	75	196801	118.240	ug/l #	6
82) 4-Chlorotoluene	12.31	91	3222	Below Cal		86
89) n-Butylbenzene	13.19	91	2493	Below Cal	#	65

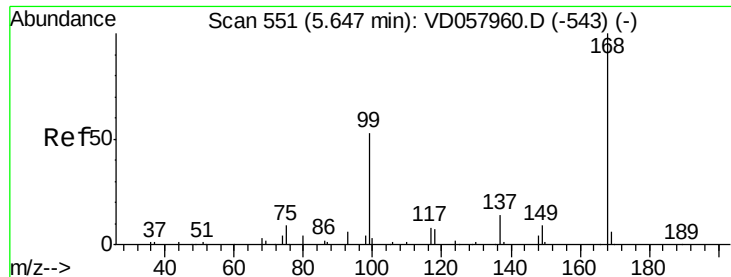
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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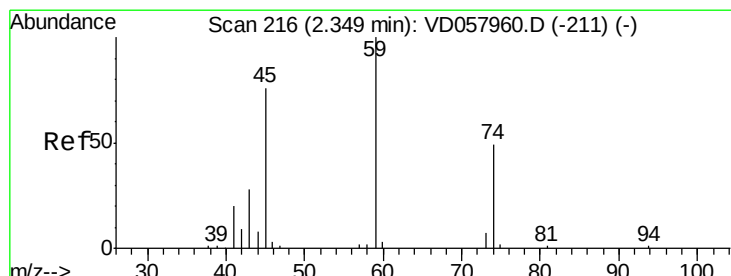
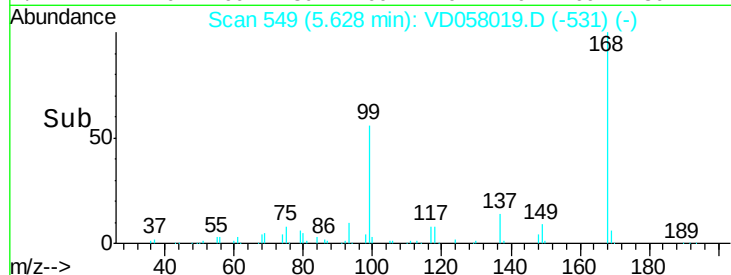
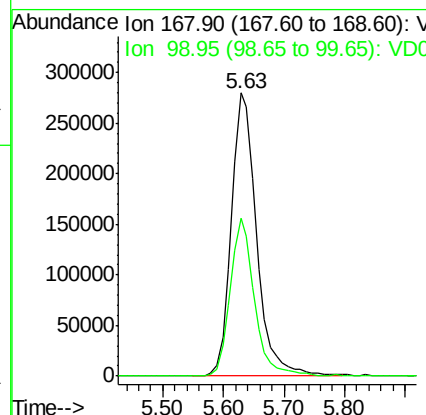
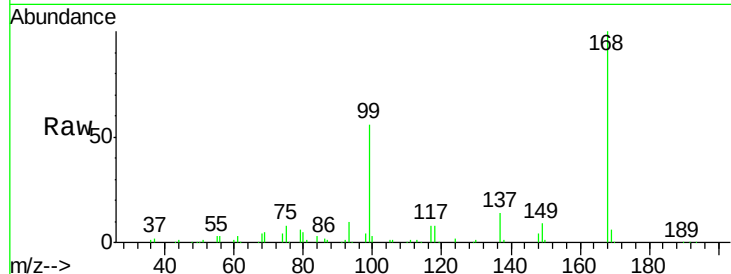




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.02 min
Lab File: VD058019.D
Acq: 8 Jun 2018 15:48

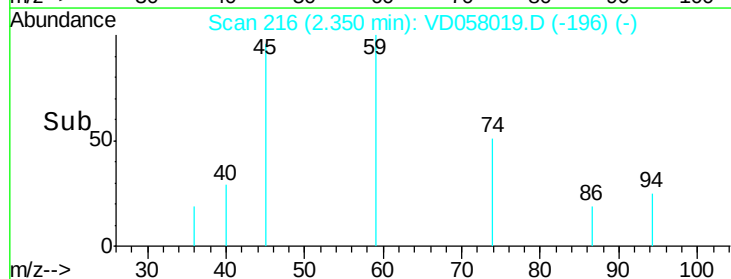
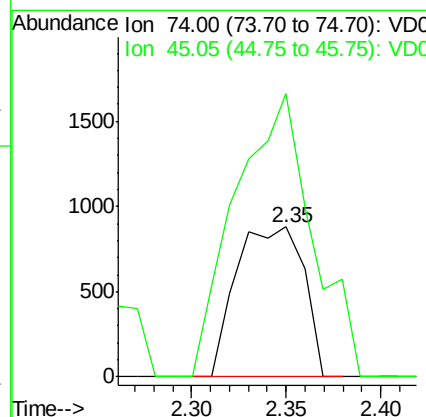
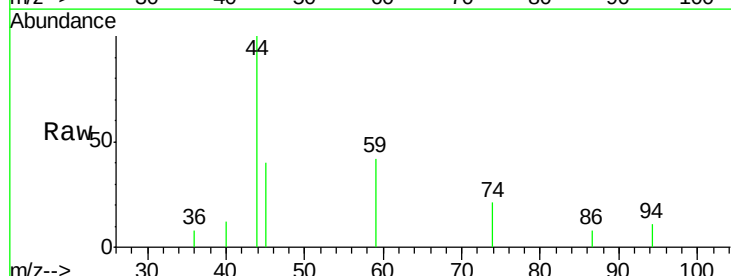
Instrument :
MSVOA_D
ClientSampleId :

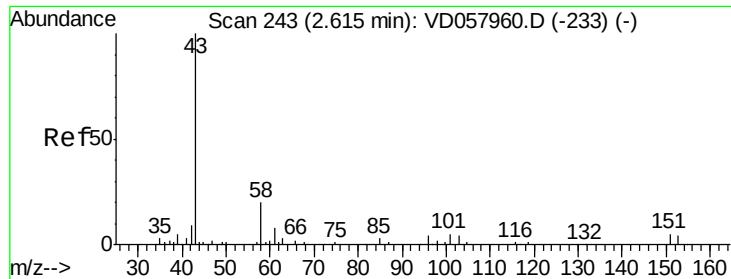
Tot Ion:168 Resp: 811558
Ion Ratio Lower Upper
168 100
99 56.0 46.8 70.2



#8
Diethyl Ether
Concen: 1.644 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.00 min
Lab File: VD058019.D
Acq: 8 Jun 2018 15:48

Tgt Ion: 74 Resp: 2168
Ion Ratio Lower Upper
74 100
45 189.1 77.1 231.3





#16

Acetone

Concen: 35.476 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058019.D

Acq: 8 Jun 2018 15:48

Instrument :

MSVOA_D

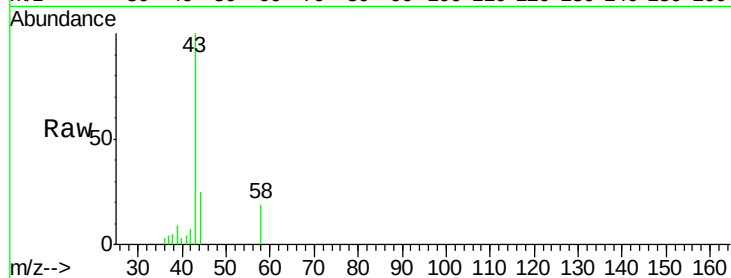
ClientSampled :

Tot Ion: 43 Resp: 41469

Ion Ratio Lower Upper

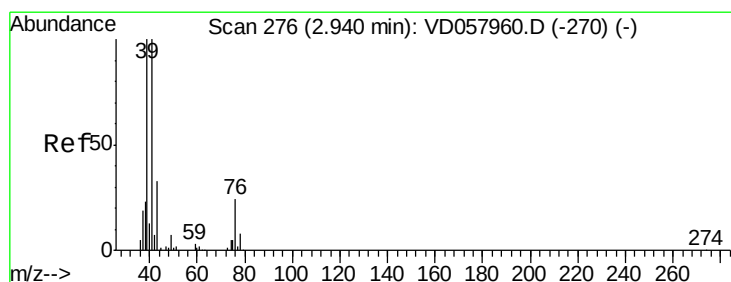
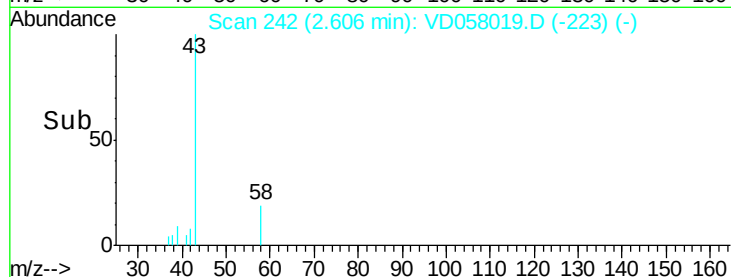
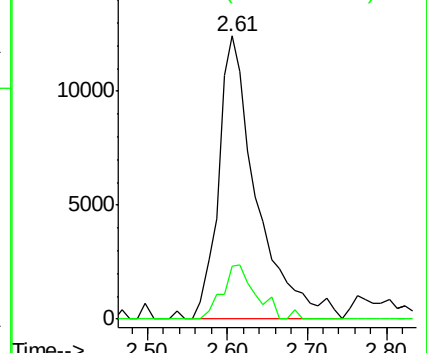
43 100

58 18.5 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 2.178 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.01 min

Lab File: VD058019.D

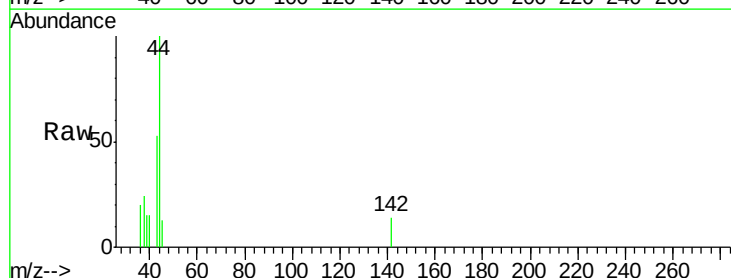
Acq: 8 Jun 2018 15:48

Tgt Ion: 43 Resp: 4924

Ion Ratio Lower Upper

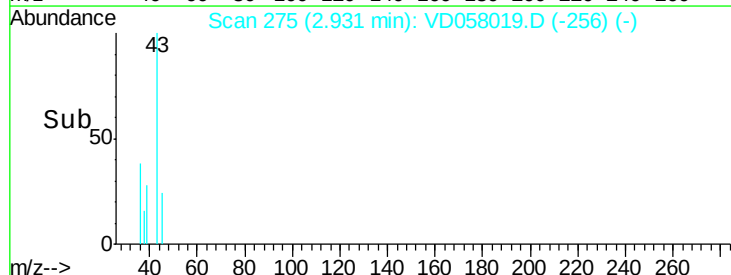
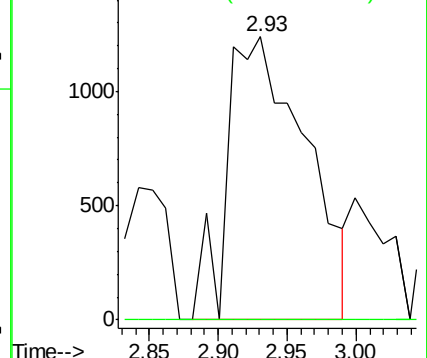
43 100

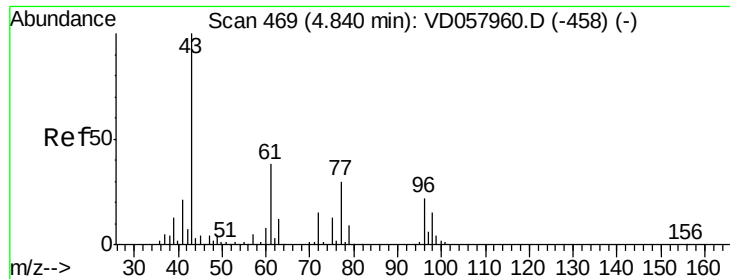
74 0.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#25

2-Butanone

Concen: 3.804 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058019.D

Acq: 8 Jun 2018 15:48

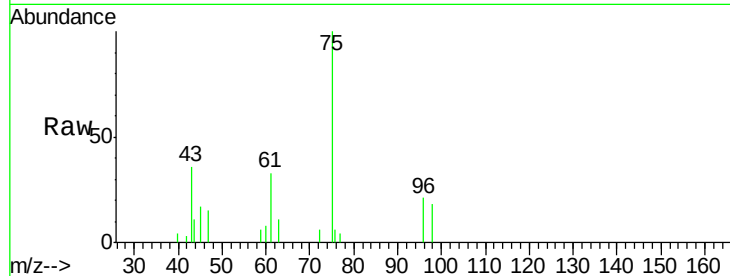
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 10105

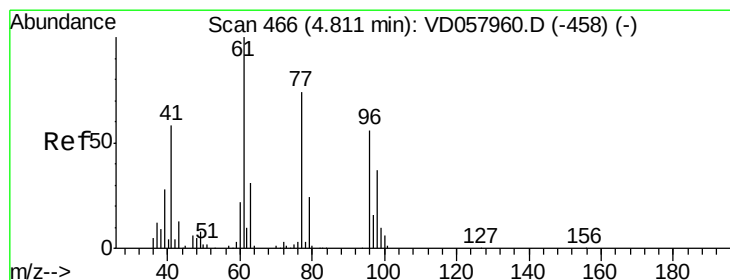
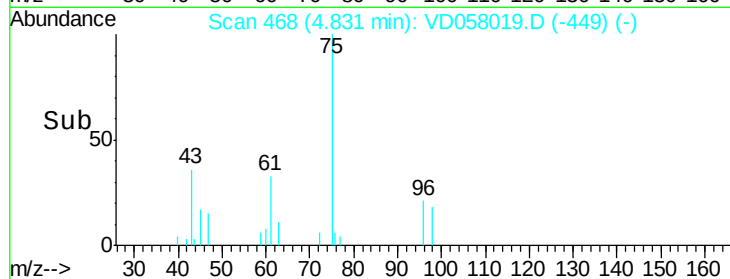
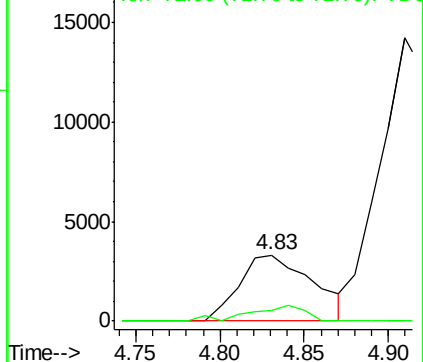
Ion Ratio Lower Upper

43 100

72 16.2 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#27

cis-1,2-Dichloroethene

Concen: 3.677 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD058019.D

Acq: 8 Jun 2018 15:48

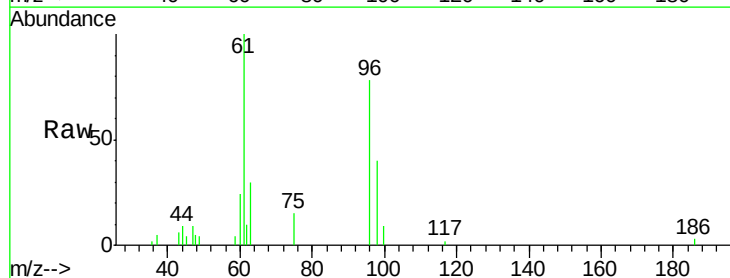
Tgt Ion: 96 Resp: 31617

Ion Ratio Lower Upper

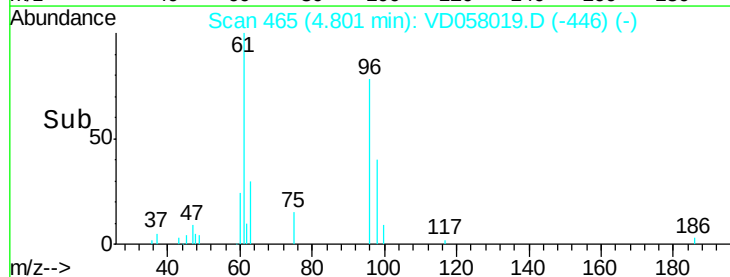
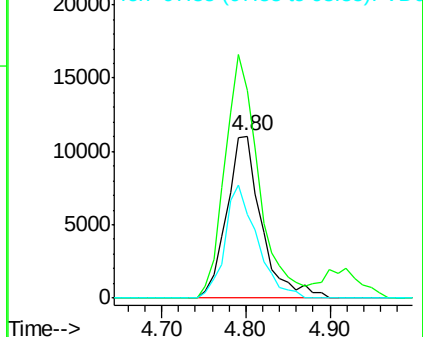
96 100

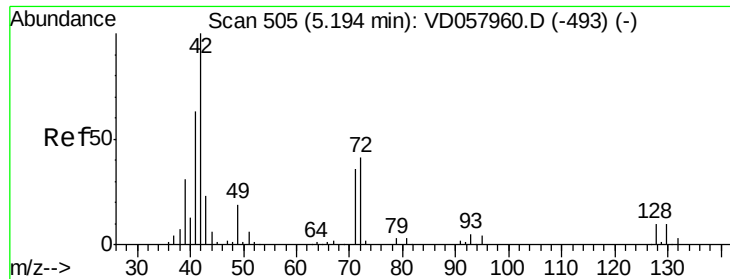
61 128.7 0.0 355.0

98 52.0 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

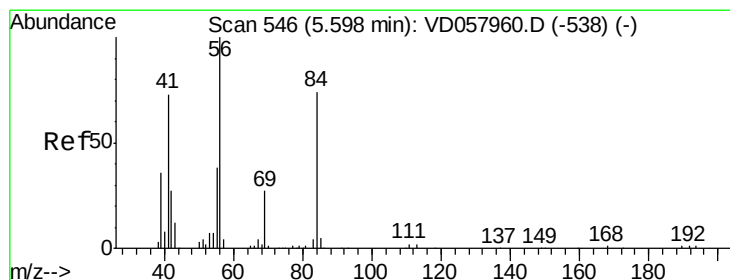
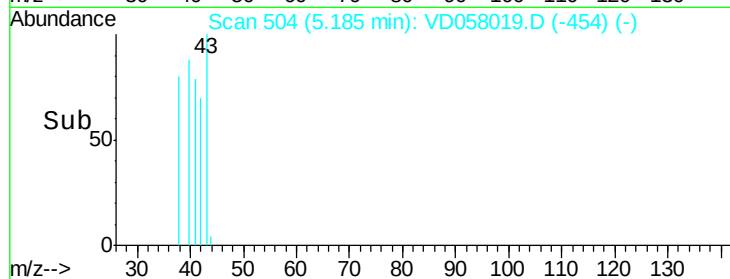
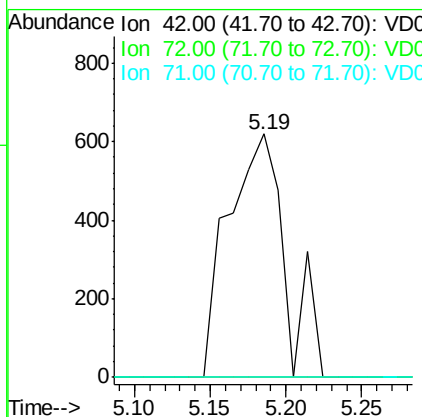
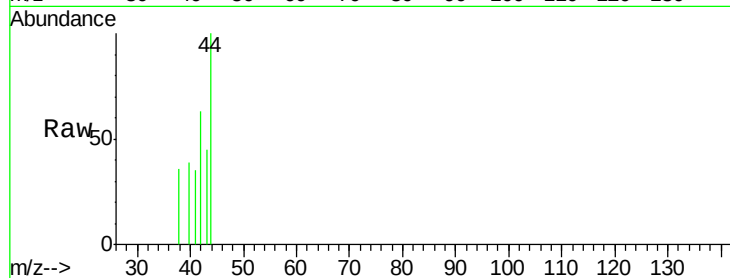




#29
Tetrahydrofuran
Concen: 1.175 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058019.D
Acq: 8 Jun 2018 15:48

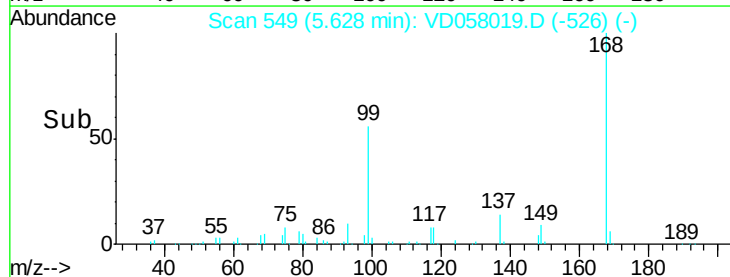
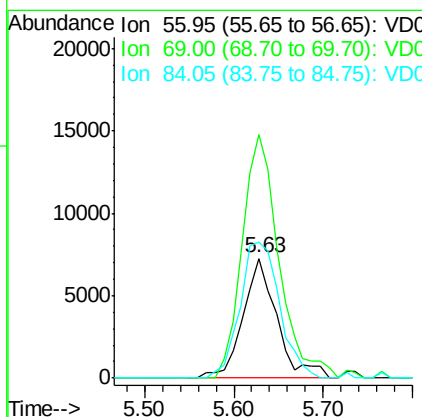
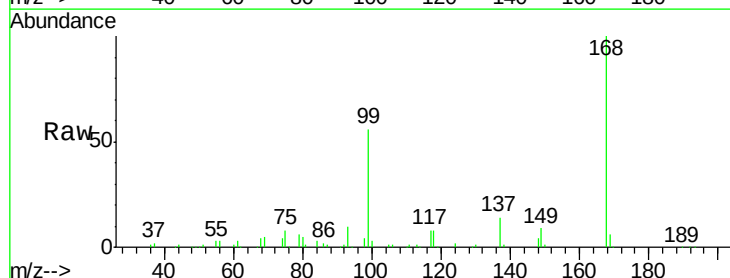
Instrument :
MSVOA_D
ClientSampleId :

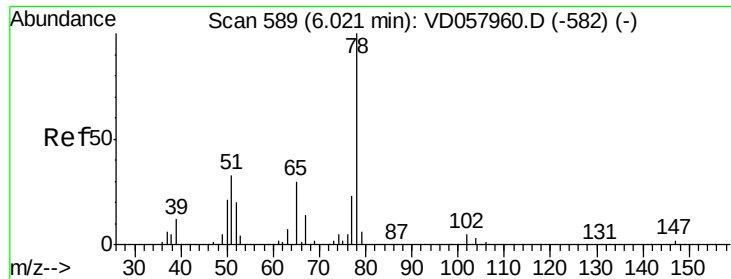
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.5	42.7#
71	0.0	27.9	41.9#



#31
Cyclohexane
Concen: 1.355 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD058019.D
Acq: 8 Jun 2018 15:48

Tgt Ion	Ratio	Lower	Upper
56	100		
69	203.2	21.5	32.3#
84	114.1	61.0	91.6#

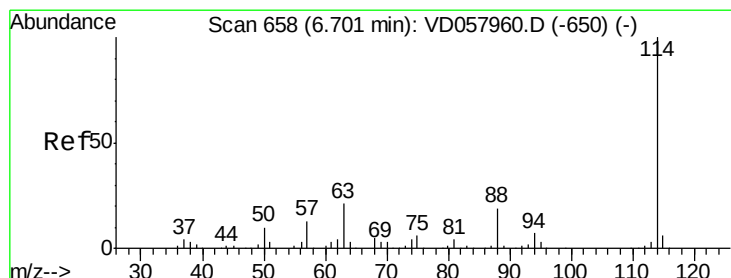
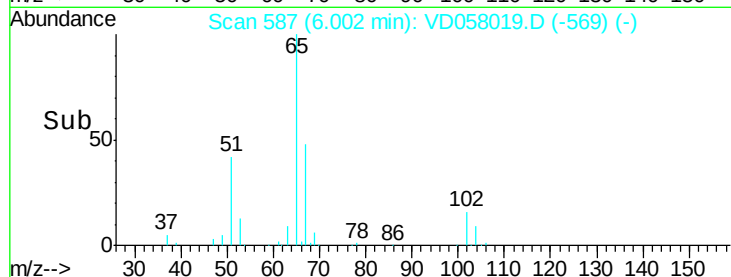
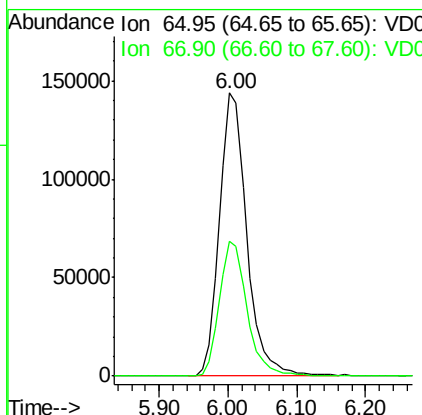
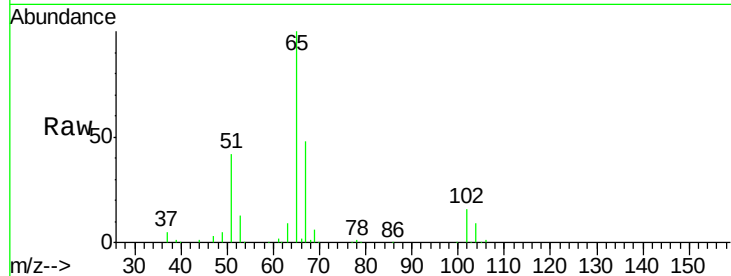




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.02 min
 Lab File: VD058019.D
 Acq: 8 Jun 2018 15:48

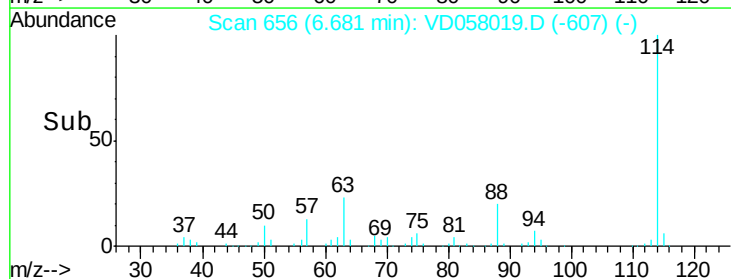
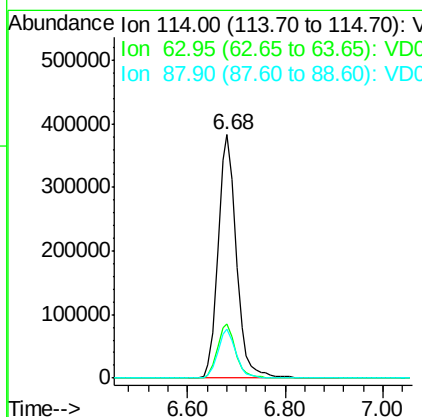
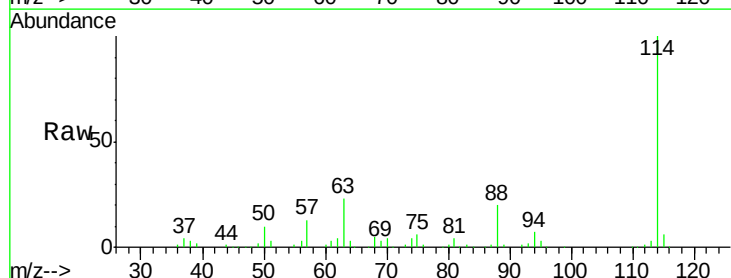
Instrument :
 MSVOA_D
 ClientSampleId :

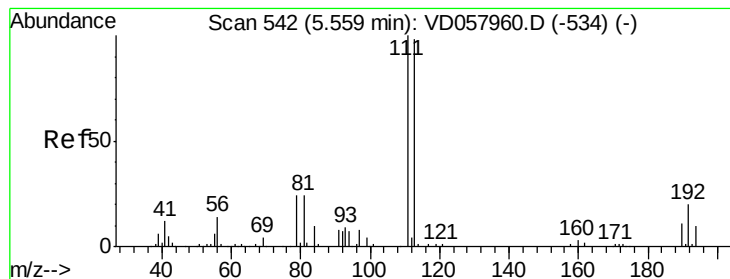
Tot Ion: 65 Resp: 396817
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD058019.D
 Acq: 8 Jun 2018 15:48

Tgt Ion: 114 Resp: 1003016
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 42.8
 88 20.1 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: VD058019.D

Acq: 8 Jun 2018 15:48

Instrument :

MSVOA_D

ClientSampleId :

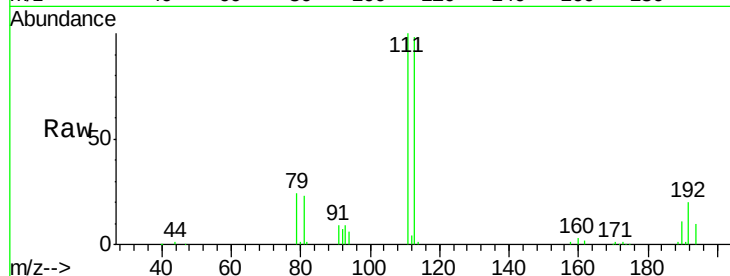
Tot Ion:113 Resp: 417143

Ion Ratio Lower Upper

113 100

111 102.1 81.5 122.3

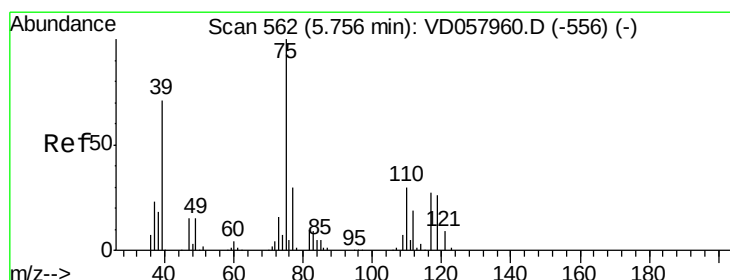
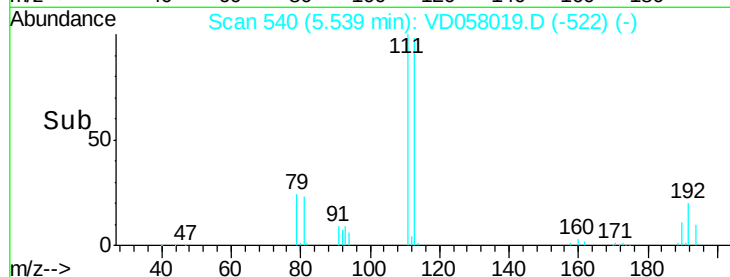
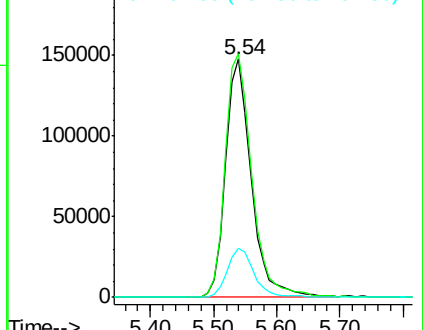
192 20.8 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 6.332 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.13 min

Lab File: VD058019.D

Acq: 8 Jun 2018 15:48

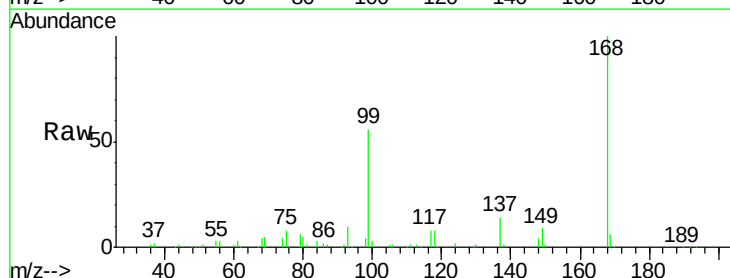
Tgt Ion: 75 Resp: 69968

Ion Ratio Lower Upper

75 100

110 5.9 14.8 44.3#

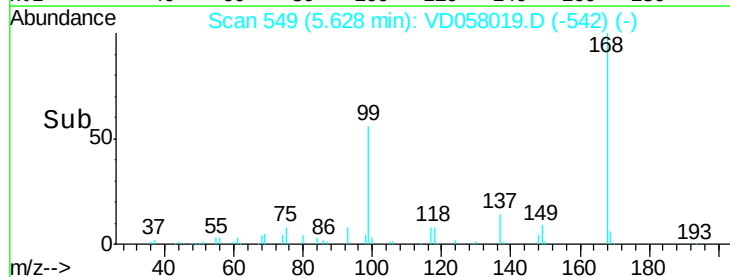
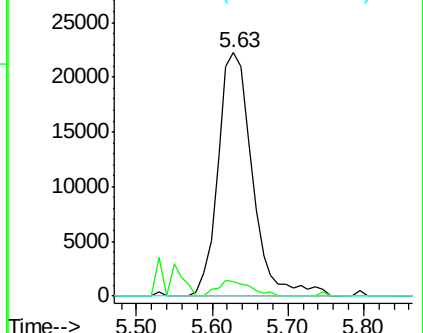
77 0.0 23.9 35.9#

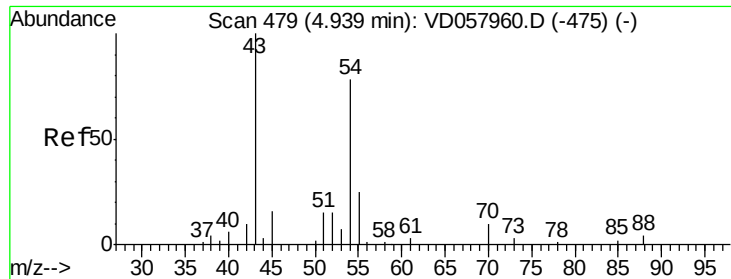


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

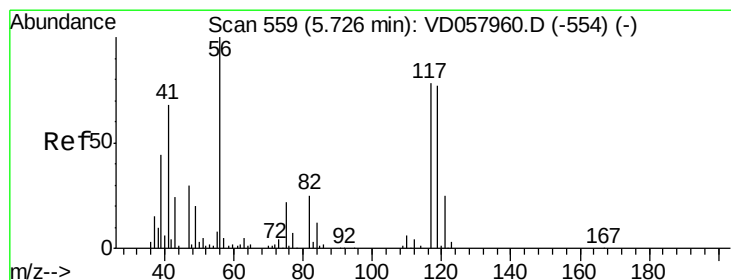
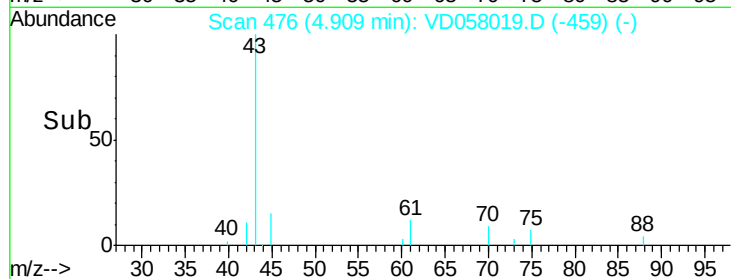
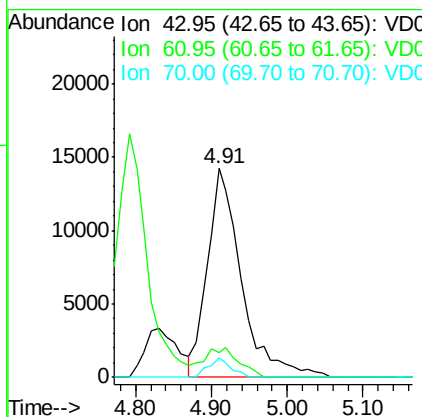
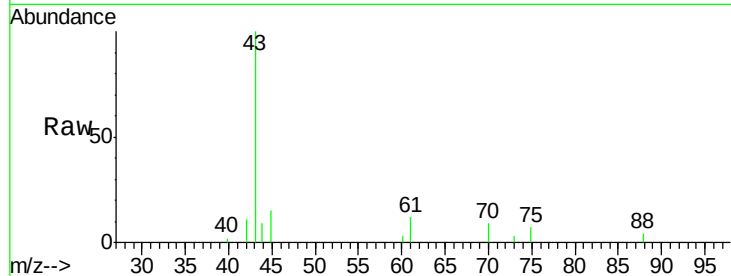




#37
Ethyl Acetate
Concen: 7.433 ug/l
RT: 4.91 min Scan# 476
Delta R.T. -0.03 min
Lab File: VD058019.D
Acq: 8 Jun 2018 15:48

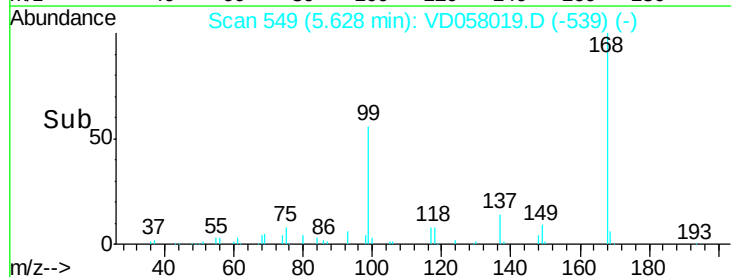
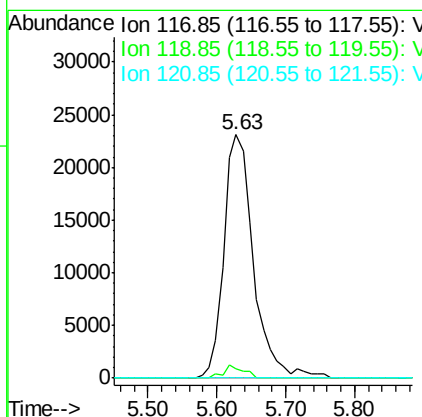
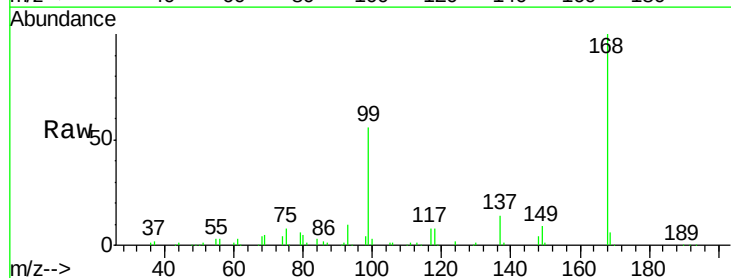
Instrument :
MSVOA_D
ClientSampleId :

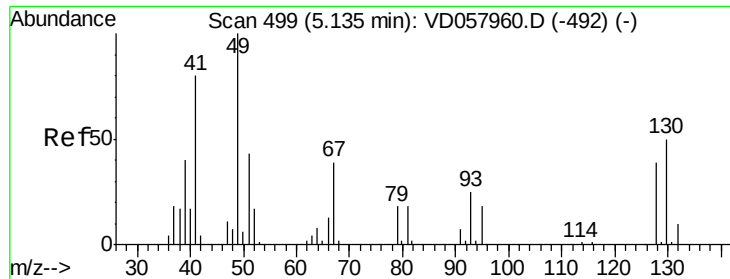
Tot Ion: 43 Resp: 44821
Ion Ratio Lower Upper
43 100
61 12.0 9.9 14.9
70 9.4 5.7 8.5#



#38
Carbon Tetrachloride
Concen: 6.312 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.10 min
Lab File: VD058019.D
Acq: 8 Jun 2018 15:48

Tgt Ion: 117 Resp: 68743
Ion Ratio Lower Upper
117 100
119 3.7 76.1 114.1#
121 0.0 24.9 37.3#

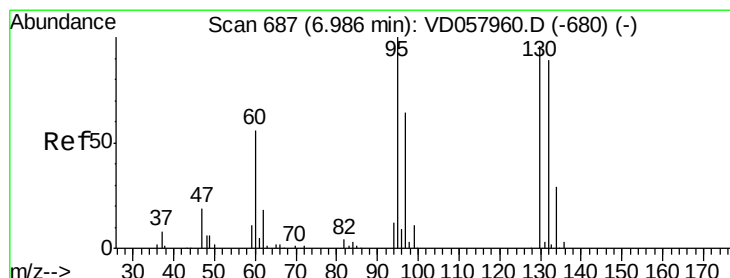
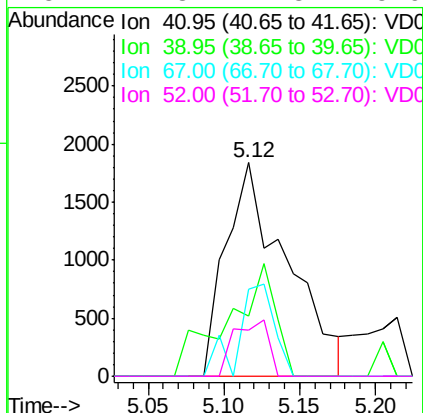
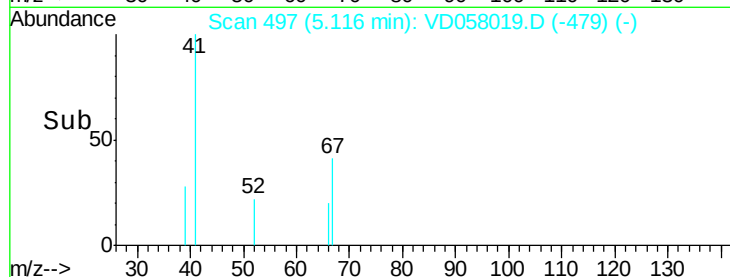
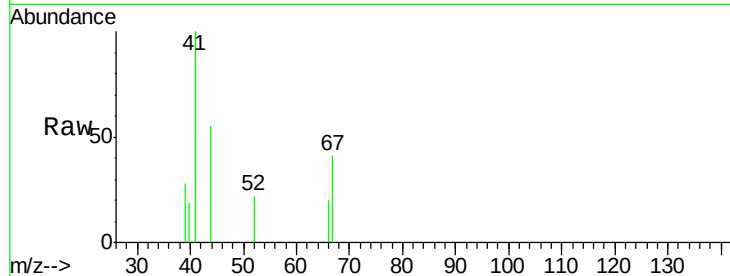




#41
Methacrylonitrile
Concen: 1.886 ug/l
RT: 5.12 min Scan# 497
Delta R.T. -0.02 min
Lab File: VD058019.D
Acq: 8 Jun 2018 15:48

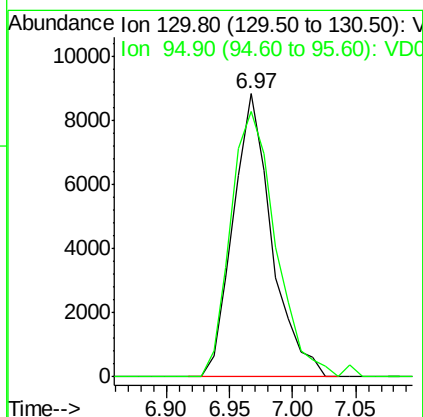
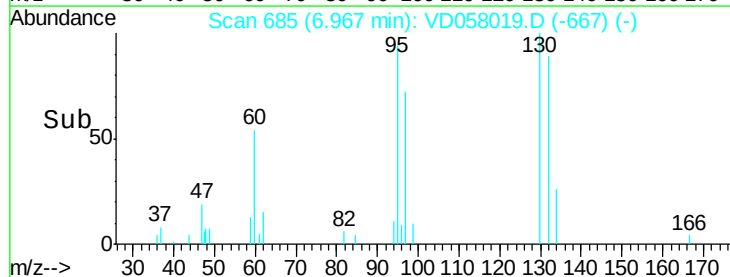
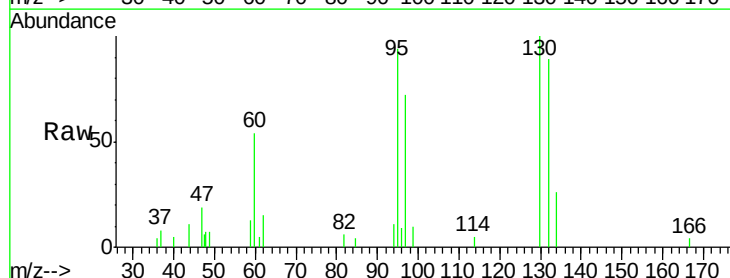
Instrument :
MSVOA_D
ClientSampleId :

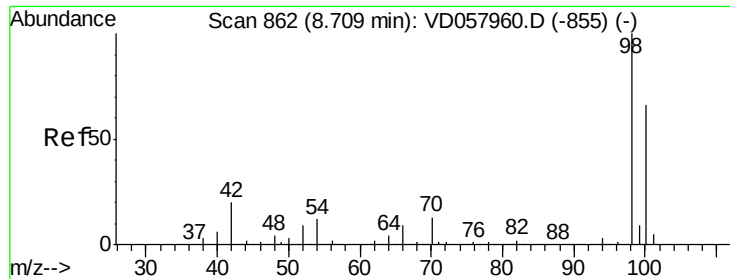
Tot Ion: 41 Resp: 5199
Ion Ratio Lower Upper
41 100
39 28.4 40.7 61.1#
67 40.8 38.8 58.2
52 21.8 17.3 25.9



#44
Trichloroethene
Concen: 2.476 ug/l
RT: 6.97 min Scan# 685
Delta R.T. -0.02 min
Lab File: VD058019.D
Acq: 8 Jun 2018 15:48

Tgt Ion:130 Resp: 18669
Ion Ratio Lower Upper
130 100
95 93.7 0.0 207.4

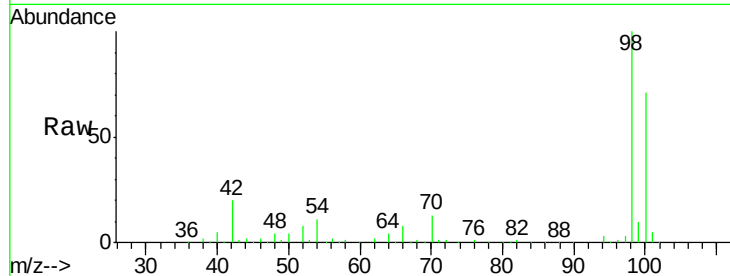




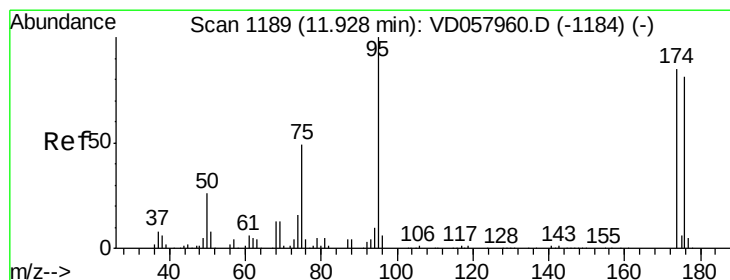
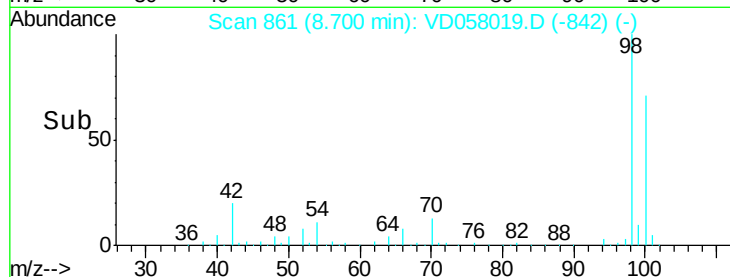
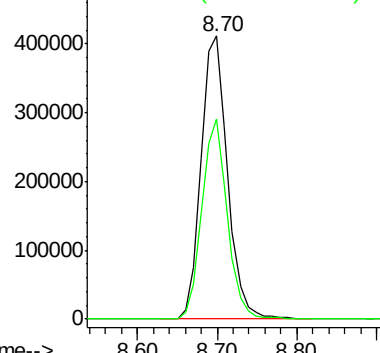
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058019.D
Acq: 8 Jun 2018 15:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 958551
Ion Ratio Lower Upper
98 100
100 70.5 53.4 80.0

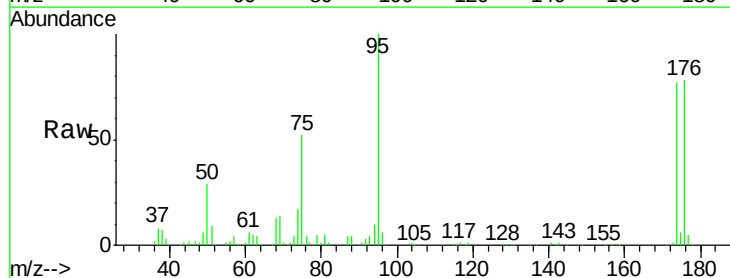


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

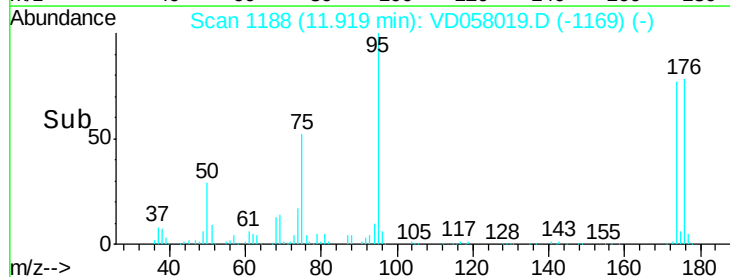
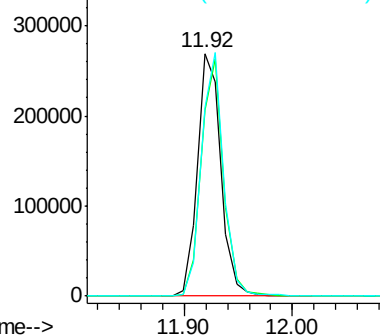


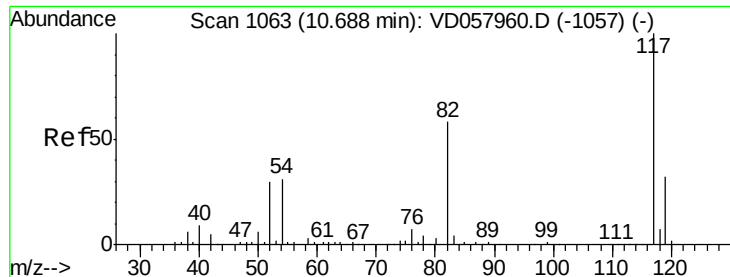
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD058019.D
Acq: 8 Jun 2018 15:48

Tgt Ion: 95 Resp: 403452
Ion Ratio Lower Upper
95 100
174 76.6 0.0 169.4
176 77.6 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
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: VD058019.D

Acq: 8 Jun 2018 15:48

Instrument :

MSVOA_D

ClientSampled :

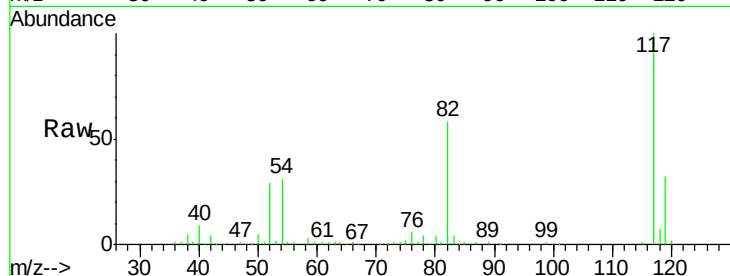
Tot Ion:117 Resp: 850086

Ion Ratio Lower Upper

117 100

82 58.0 46.8 70.2

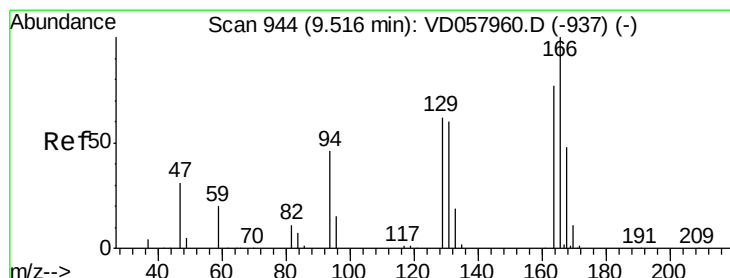
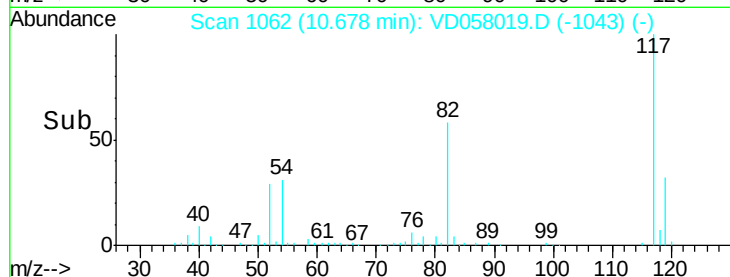
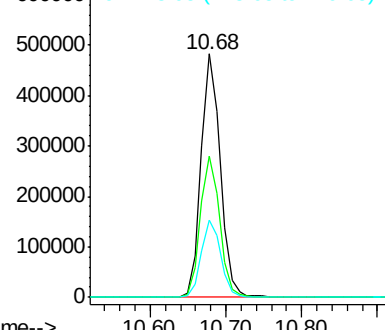
119 31.8 25.8 38.6



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: 14.740 ug/l

RT: 9.50 min Scan# 942

Delta R.T. -0.02 min

Lab File: VD058019.D

Acq: 8 Jun 2018 15:48

Tgt Ion:164 Resp: 112023

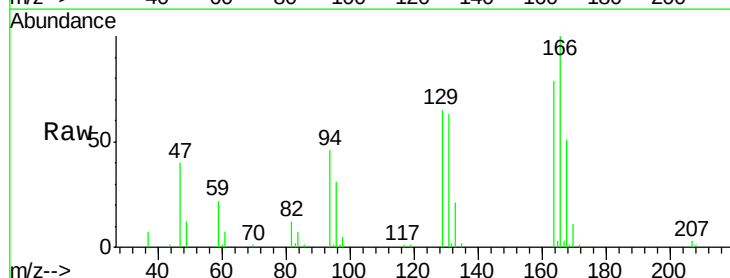
Ion Ratio Lower Upper

164 100

166 126.6 104.4 156.6

129 81.7 65.0 97.6

131 79.2 62.9 94.3

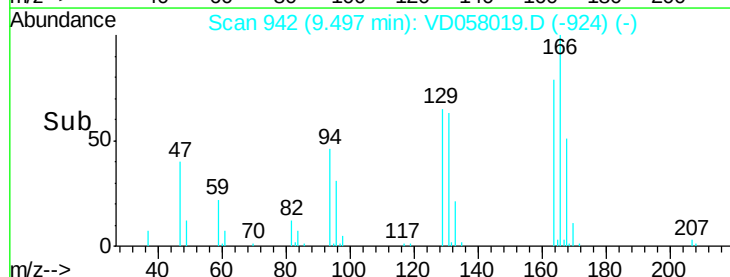
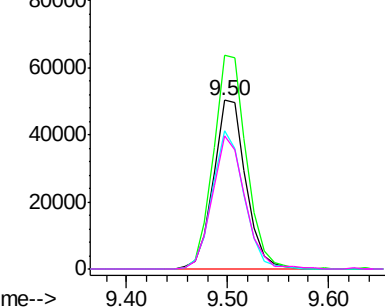


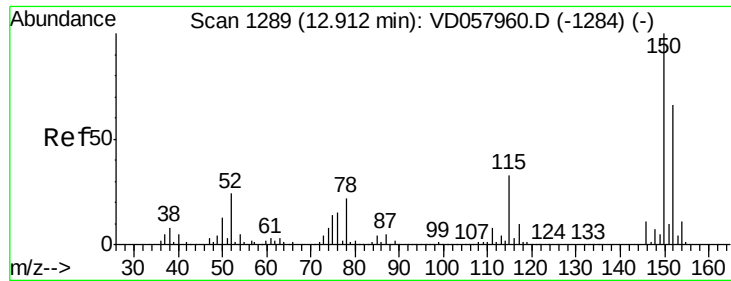
Abundance Ion 163.85 (163.55 to 164.55): V

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058019.D

Acq: 8 Jun 2018 15:48

Instrument :

MSVOA_D

ClientSampleId :

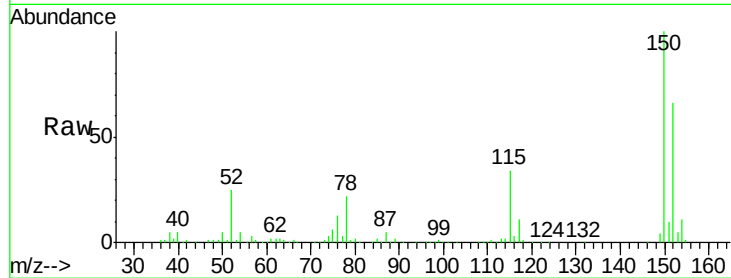
Tot Ion:152 Resp: 447355

Ion Ratio Lower Upper

152 100

115 52.3 25.6 76.6

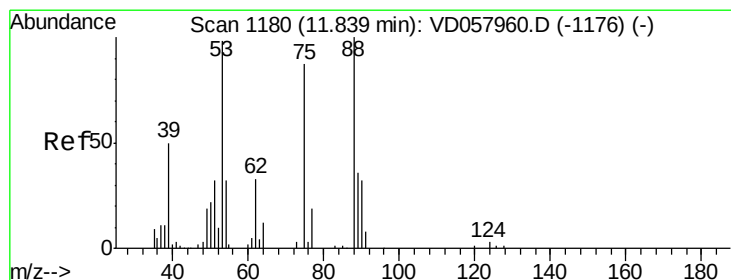
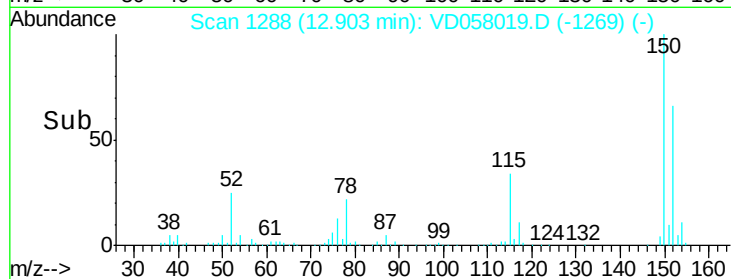
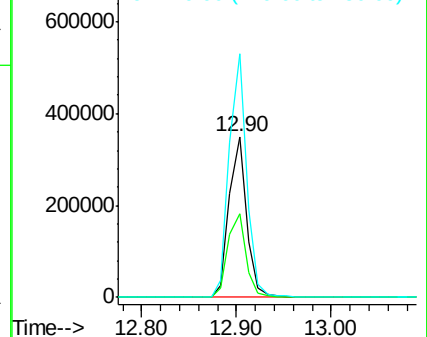
150 151.8 0.0 306.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 118.240 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058019.D

Acq: 8 Jun 2018 15:48

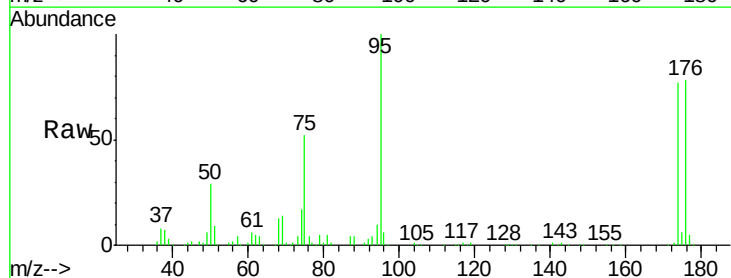
Tgt Ion: 75 Resp: 196801

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

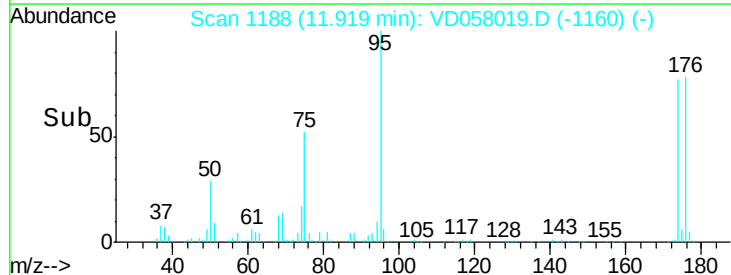
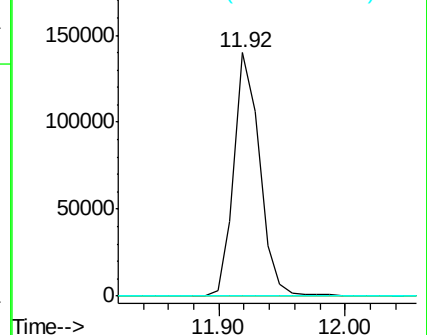
89 0.0 33.3 49.9#

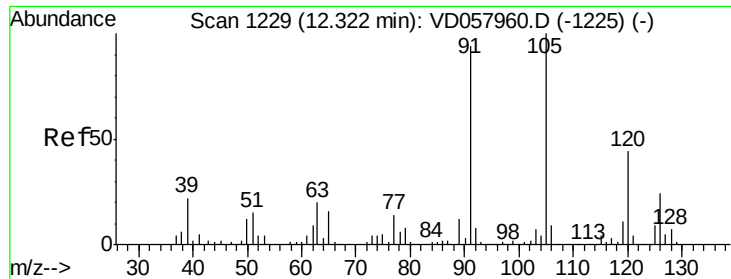


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

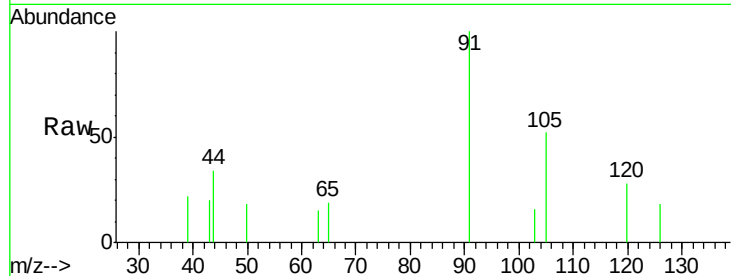




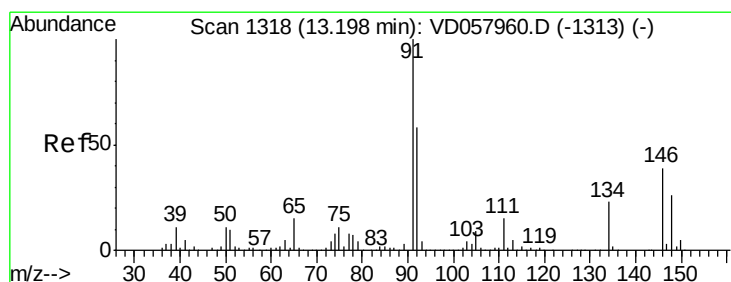
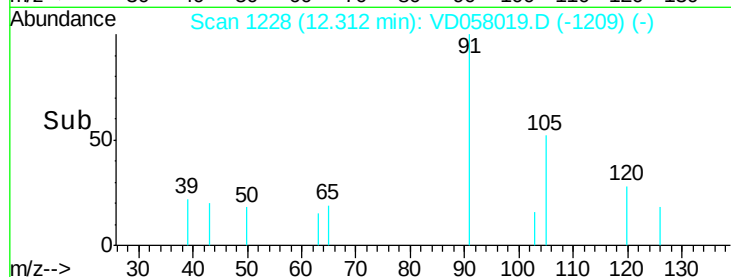
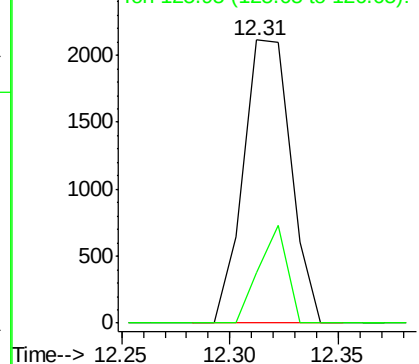
#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD058019.D
Acq: 8 Jun 2018 15:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 3222
Ion Ratio Lower Upper
91 100
126 17.9 12.5 37.5

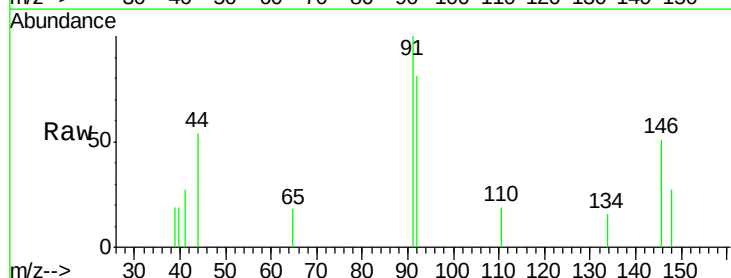


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V



#89
n-Butylbenzene
Concen: Below Cal
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058019.D
Acq: 8 Jun 2018 15:48

Tgt Ion: 91 Resp: 2493
Ion Ratio Lower Upper
91 100
92 80.8 29.2 87.6
134 0.0 11.3 33.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

