

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061699.D
 Acq On : 10 Apr 2019 4:49
 Operator : VA/AP
 Sample : K2338-01
 Misc : 6.15g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 10 05:42:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	517233	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	941316	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	684999	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	348030	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	216573	55.24	ug/l	0.03
Spiked Amount 50.000			Recovery	=	110.48%	
35) Dibromofluoromethane	6.96	113	383445	58.80	ug/l	0.04
Spiked Amount 50.000			Recovery	=	117.60%	
50) Toluene-d8	10.43	98	916589	55.94	ug/l	0.03
Spiked Amount 50.000			Recovery	=	111.88%	
62) 4-Bromofluorobenzene	13.56	95	343021	62.88	ug/l	0.01
Spiked Amount 50.000			Recovery	=	125.76%	

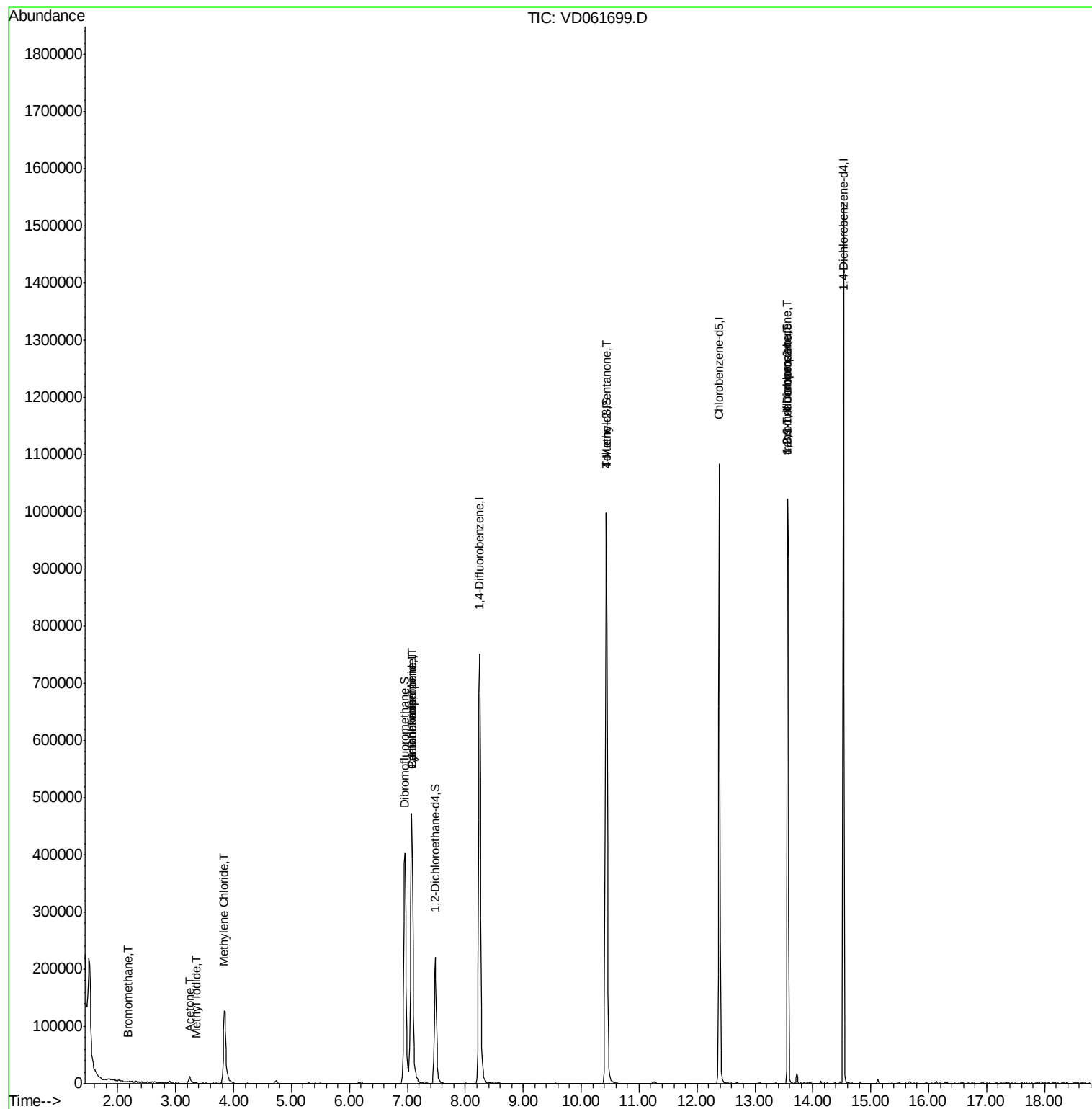
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	1131	1.160	ug/l #	12
10) Methyl Iodide	3.36	142	901	3.744	ug/l #	38
16) Acetone	3.24	43	25300	21.587	ug/l #	79
20) Methylene Chloride	3.85	84	102122	15.355	ug/l #	98
31) Cyclohexane	7.07	56	8900	1.206	ug/l #	1
36) 1,1-Dichloropropene	7.08	75	36435	4.423	ug/l #	46
38) Carbon Tetrachloride	7.08	117	48465	5.020	ug/l #	14
51) 4-Methyl-2-Pentanone	10.42	43	2977	1.034	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	105817	22.348	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.56	75	126709	88.186	ug/l #	20

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

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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.04 min

Lab File: VD061699.D

Acq: 10 Apr 2019 4:49

Instrument :

MSVOA_D

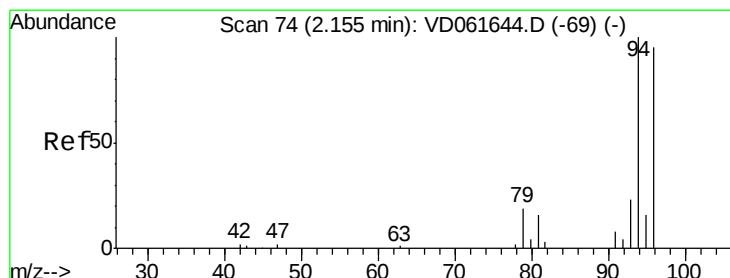
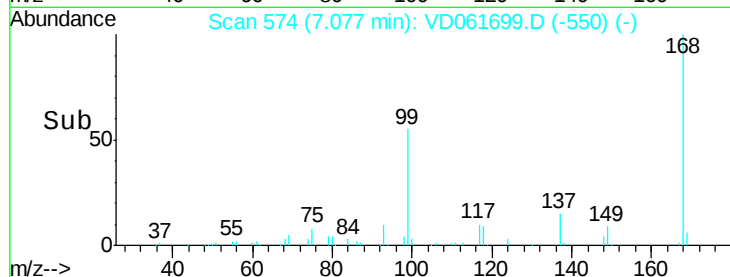
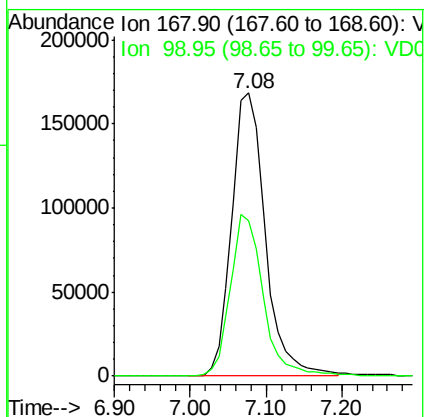
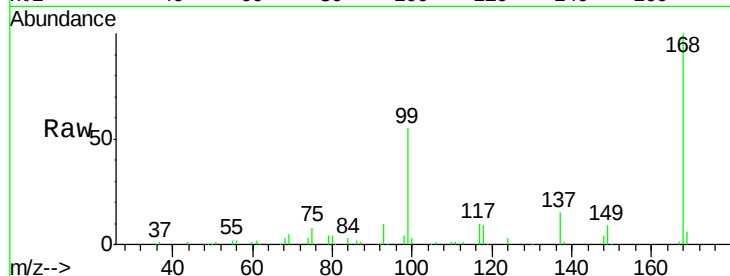
ClientSampleId :

Tot Ion:168 Resp: 517233

Ion Ratio Lower Upper

168 100

99 55.0 46.8 70.2



#5

Bromomethane

Concen: 1.160 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD061699.D

Acq: 10 Apr 2019 4:49

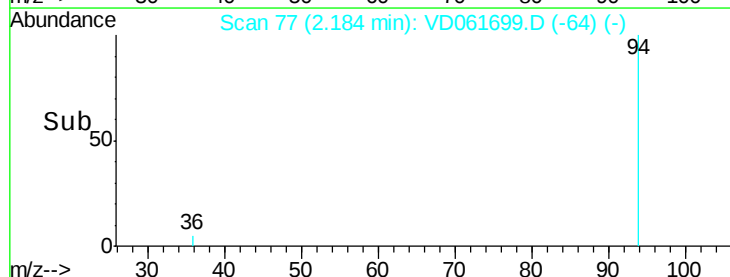
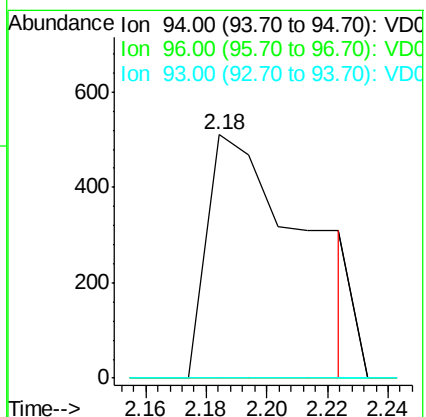
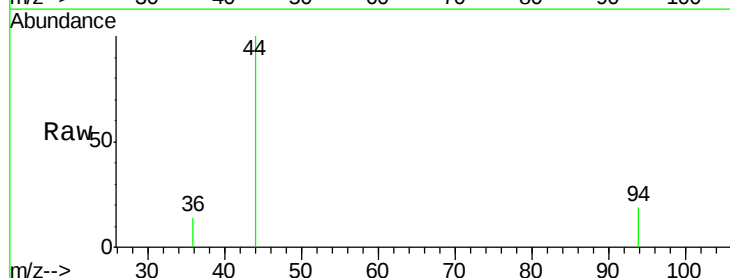
Tgt Ion: 94 Resp: 1131

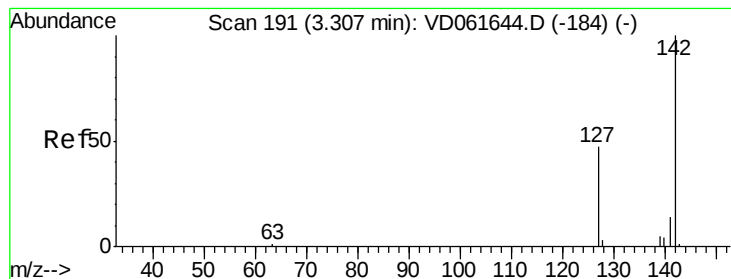
Ion Ratio Lower Upper

94 100

96 0.0 75.8 113.8#

93 0.0 18.6 28.0#





#10

Methvl Iodide

Concen: 3.744 ug/l

RT: 3.36 min Scan# 196

Delta R.T. 0.05 min

Lab File: VD061699.D

Acq: 10 Apr 2019 4:49

Instrument :

MSVOA_D

ClientSampleId :

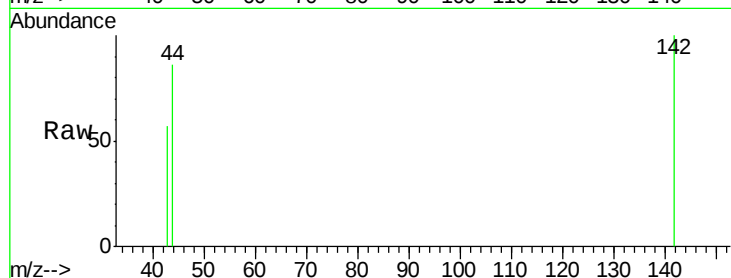
Tot Ion:142 Resp: 901

Ion Ratio Lower Upper

142 100

127 0.0 37.2 55.8#

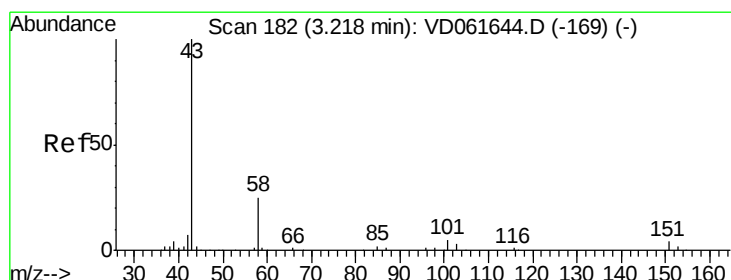
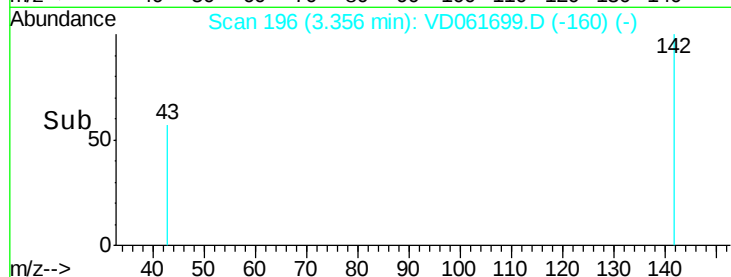
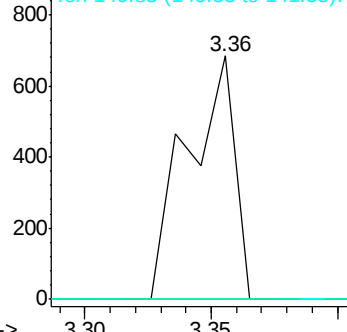
141 0.0 10.8 16.2#



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



#16

Acetone

Concen: 21.587 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD061699.D

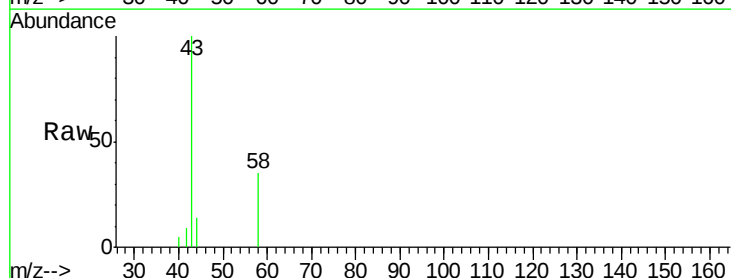
Acq: 10 Apr 2019 4:49

Tgt Ion: 43 Resp: 25300

Ion Ratio Lower Upper

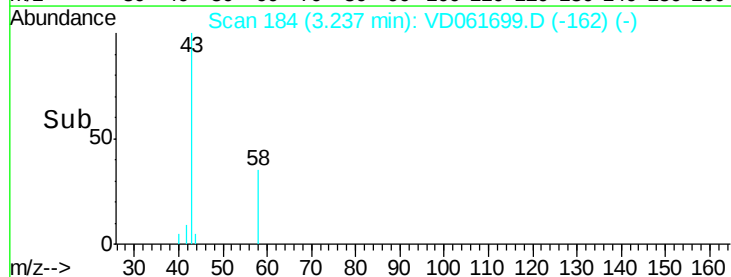
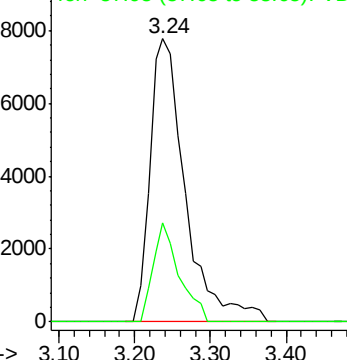
43 100

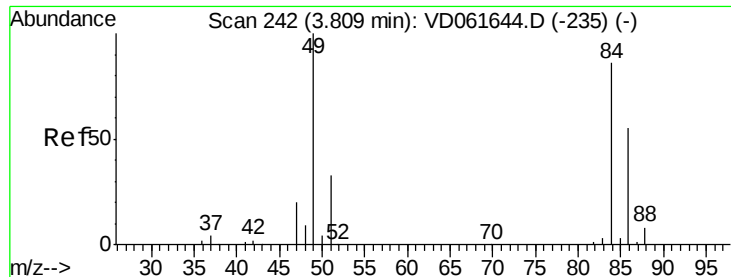
58 34.9 19.7 29.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

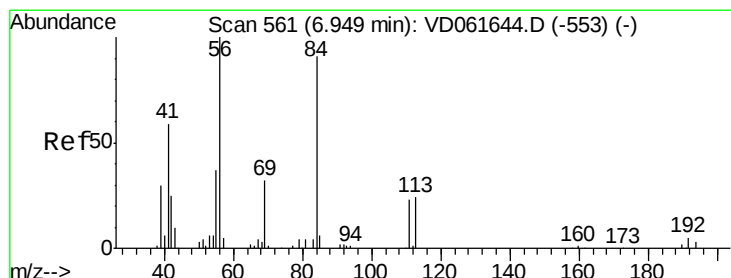
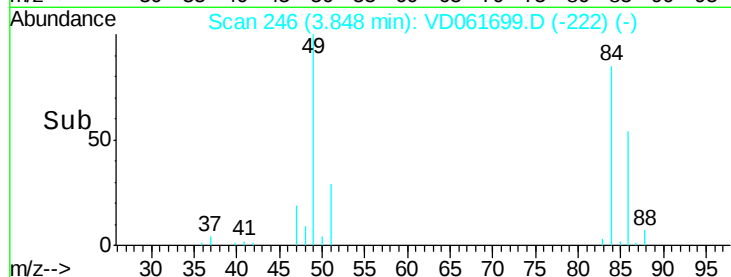
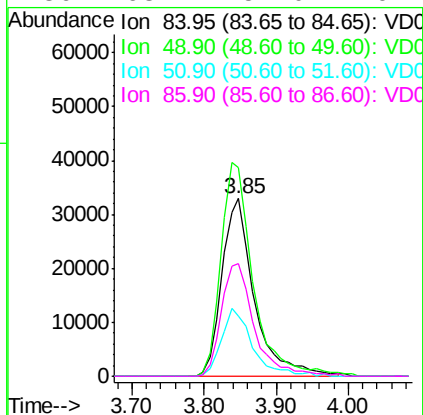
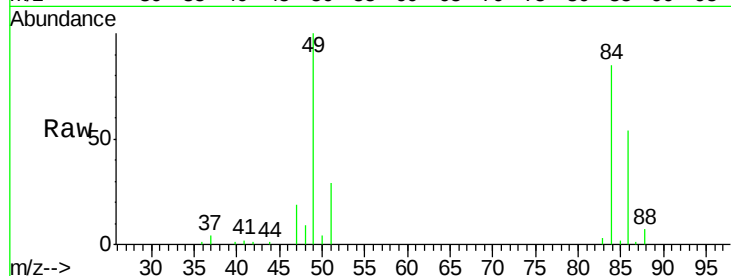




#20
Methvlene Chloride
Concen: 15.355 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.04 min
Lab File: VD061699.D
Acq: 10 Apr 2019 4:49

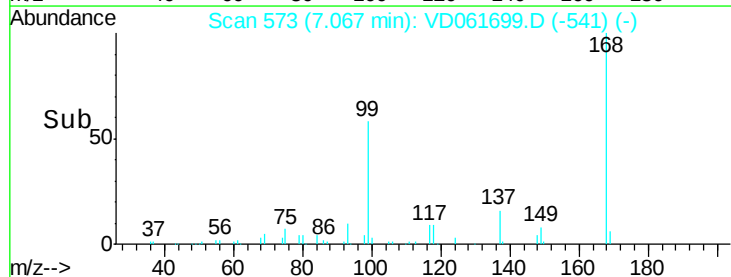
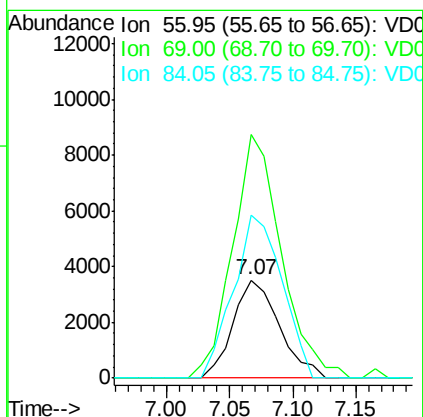
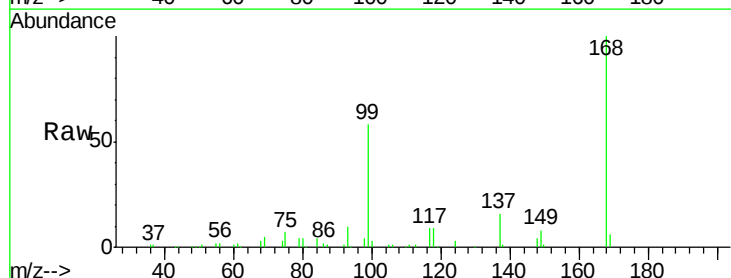
Instrument :
MSVOA_D
ClientSampleId :

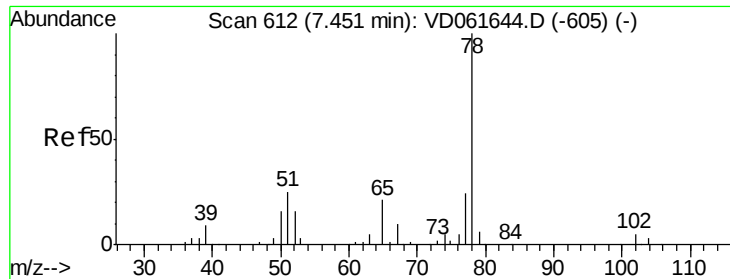
Tot Ion: 84 Resp: 102122
Ion Ratio Lower Upper
84 100
49 117.8 93.0 139.4
51 34.2 30.4 45.6
86 63.4 51.0 76.4



#31
Cyclohexane
Concen: 1.206 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.12 min
Lab File: VD061699.D
Acq: 10 Apr 2019 4:49

Tgt Ion: 56 Resp: 8900
Ion Ratio Lower Upper
56 100
69 247.9 25.8 38.6#
84 166.0 74.2 111.2#

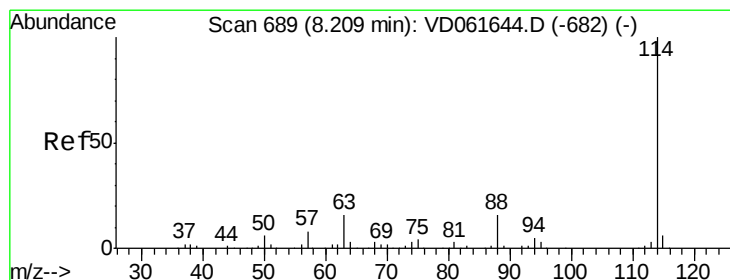
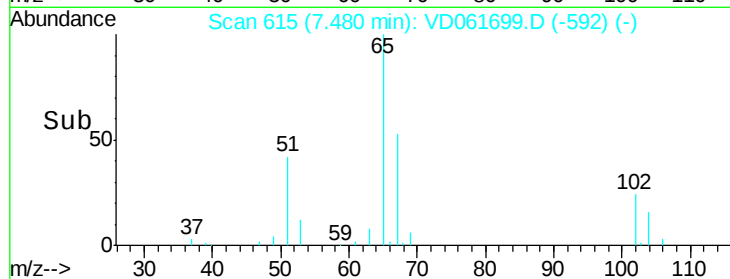
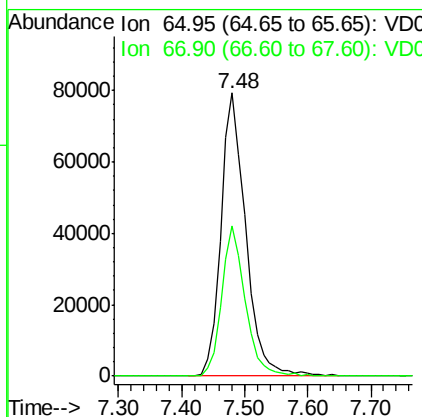
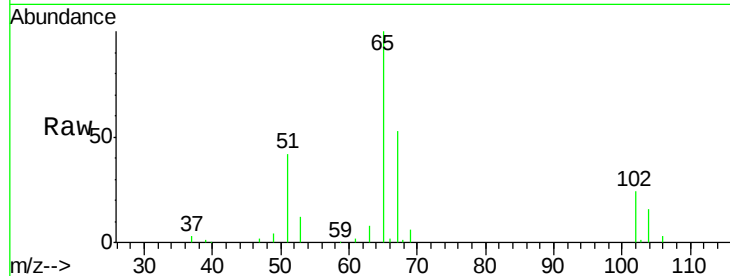




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.03 min
 Lab File: VD061699.D
 Acq: 10 Apr 2019 4:49

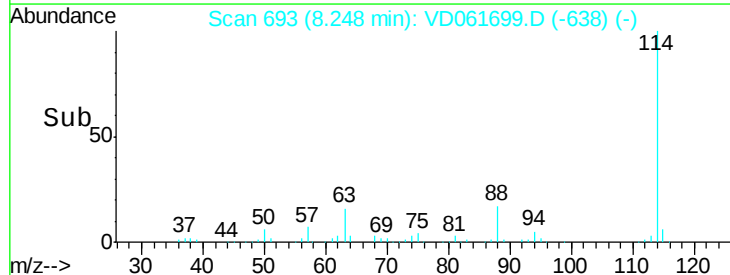
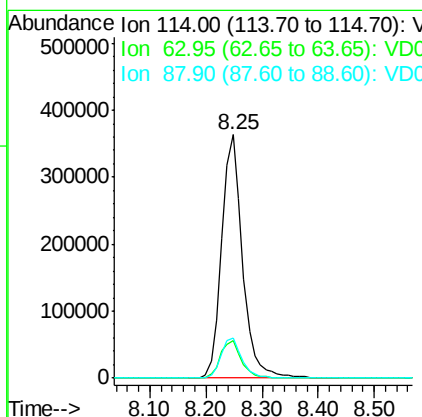
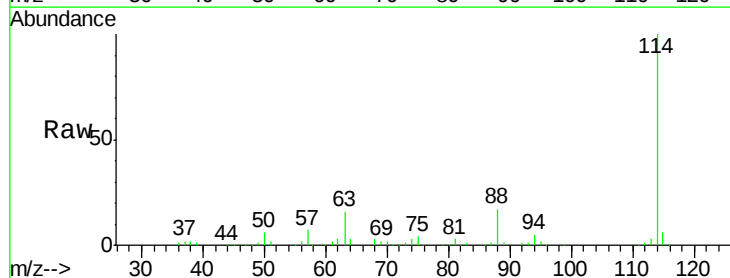
Instrument :
 MSVOA_D
 ClientSampled :

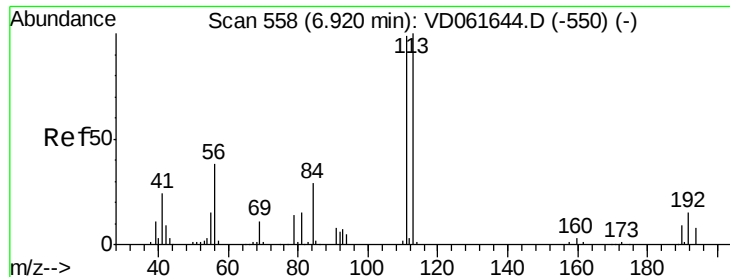
Tot Ion: 65 Resp: 216573
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 693
 Delta R.T. 0.04 min
 Lab File: VD061699.D
 Acq: 10 Apr 2019 4:49

Tgt Ion: 114 Resp: 941316
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.2
 88 16.7 0.0 31.8

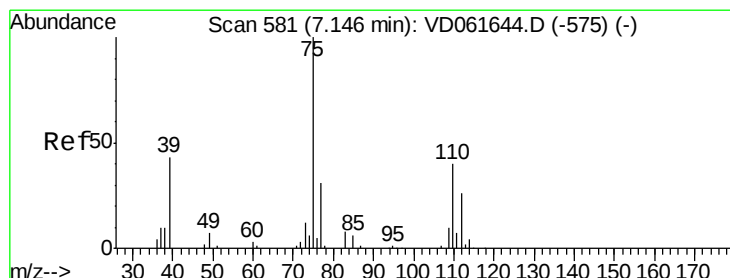
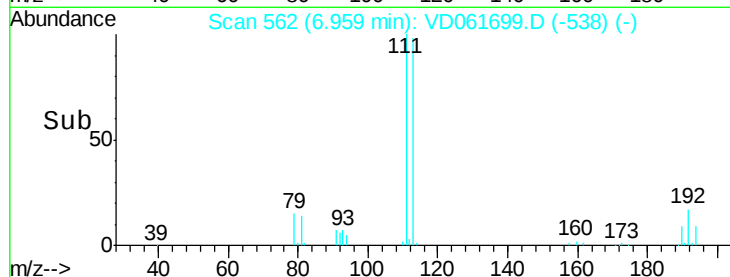
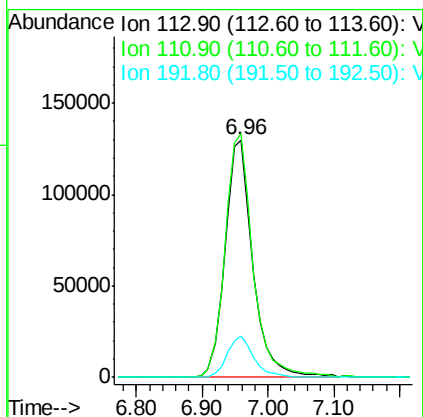
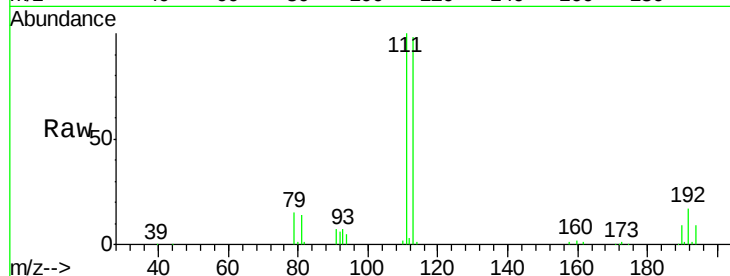




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.96 min Scan# 562
 Delta R.T. 0.04 min
 Lab File: VD061699.D
 Acq: 10 Apr 2019 4:49

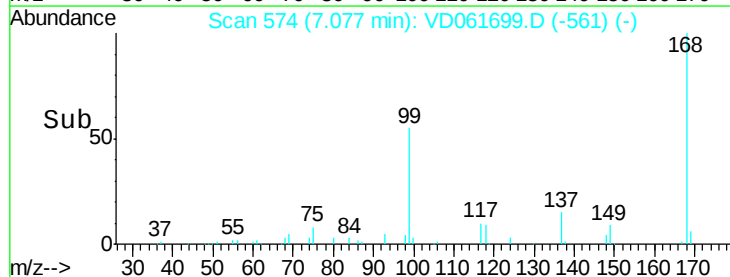
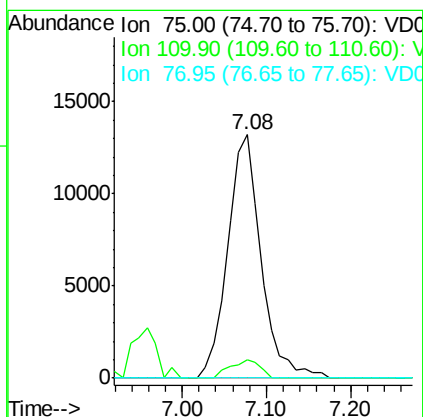
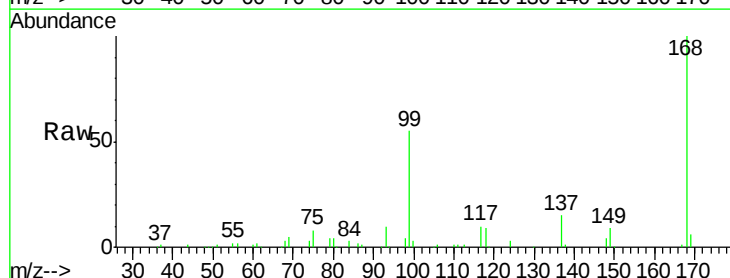
Instrument :
 MSVOA_D
 ClientSampleId :

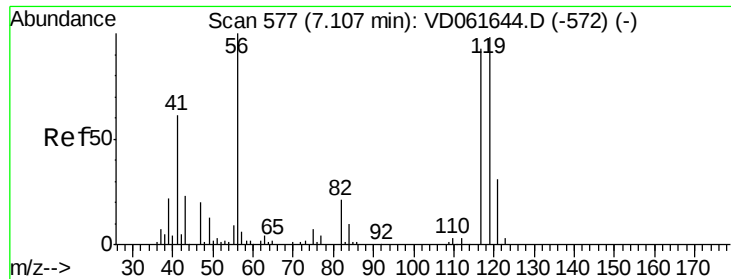
Tot Ion:113 Resp: 383445
 Ion Ratio Lower Upper
 113 100
 111 102.5 79.3 118.9
 192 17.3 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 4.423 ug/l
 RT: 7.08 min Scan# 574
 Delta R.T. -0.07 min
 Lab File: VD061699.D
 Acq: 10 Apr 2019 4:49

Tgt Ion: 75 Resp: 36435
 Ion Ratio Lower Upper
 75 100
 110 7.6 19.7 59.0#
 77 0.0 24.8 37.2#

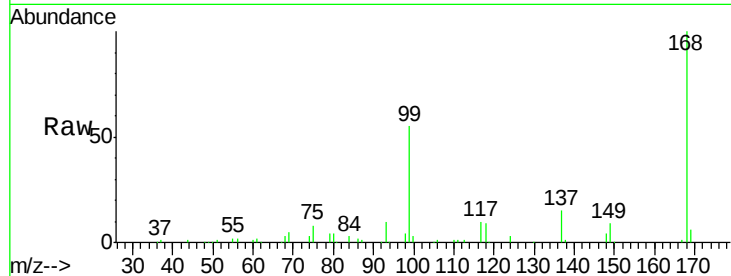




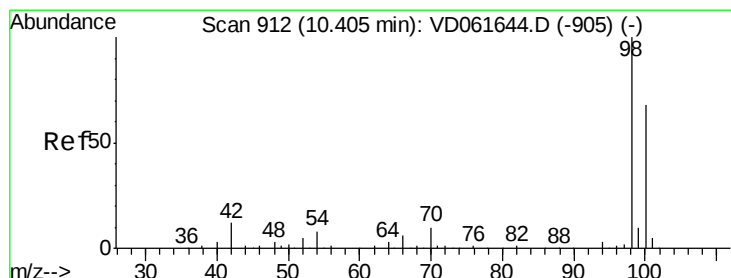
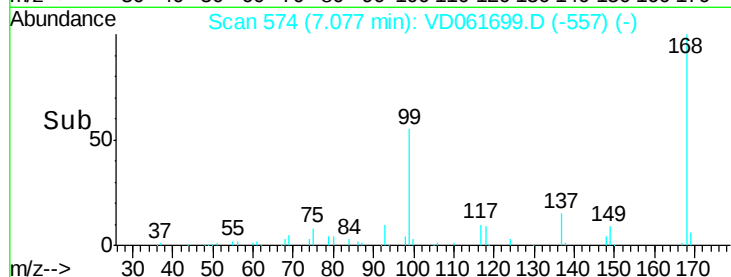
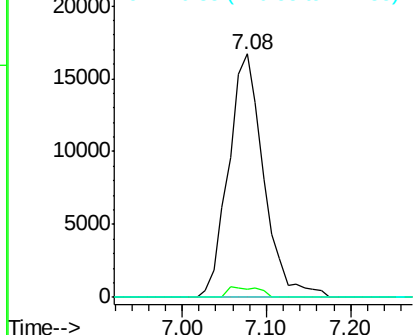
#38
Carbon Tetrachloride
Concen: 5.020 ug/l
RT: 7.08 min Scan# 574
Delta R.T. -0.03 min
Lab File: VD061699.D
Acq: 10 Apr 2019 4:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 48465
Ion Ratio Lower Upper
117 100
119 3.3 77.9 116.9#
121 0.0 24.7 37.1#

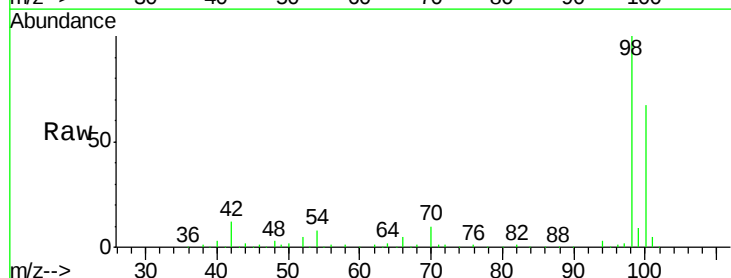


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

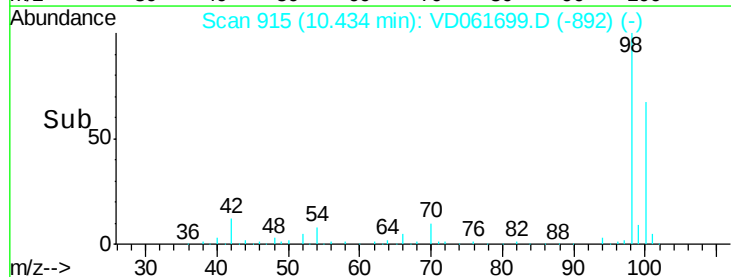
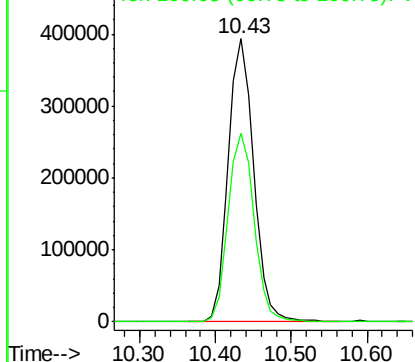


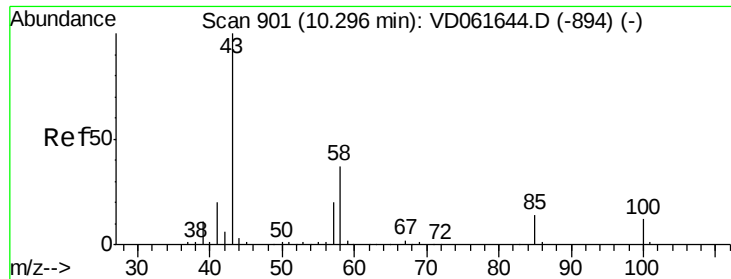
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061699.D
Acq: 10 Apr 2019 4:49

Tgt Ion: 98 Resp: 916589
Ion Ratio Lower Upper
98 100
100 66.9 55.4 83.0



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: 1.034 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.13 min

Lab File: VD061699.D

Acq: 10 Apr 2019 4:49

Instrument :

MSVOA_D

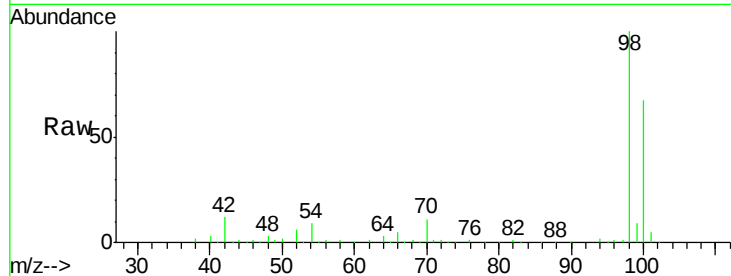
ClientSampleId :

Tot Ion: 43 Resp: 2977

Ion Ratio Lower Upper

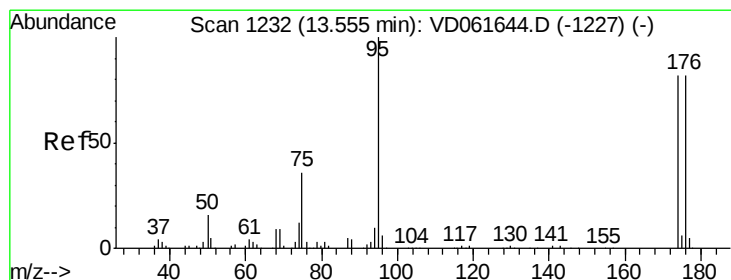
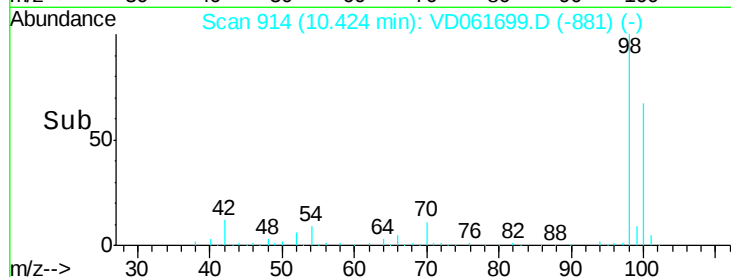
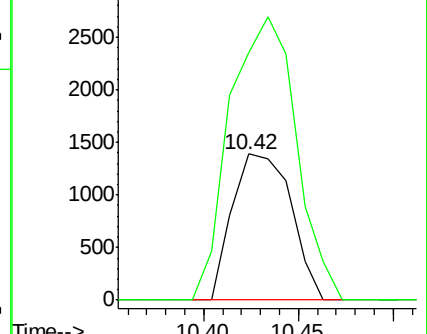
43 100

58 169.5 29.8 44.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061699.D

Acq: 10 Apr 2019 4:49

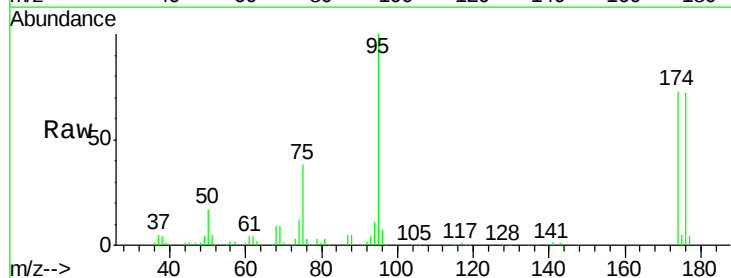
Tgt Ion: 95 Resp: 343021

Ion Ratio Lower Upper

95 100

174 72.8 0.0 164.6

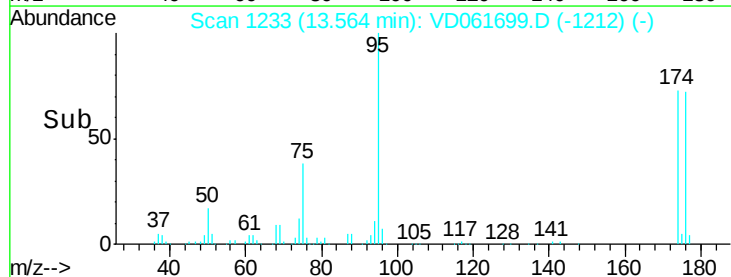
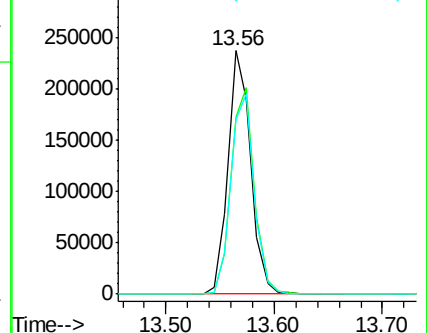
176 71.7 0.0 165.0

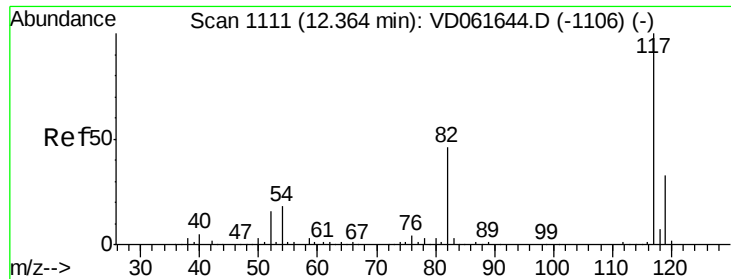


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

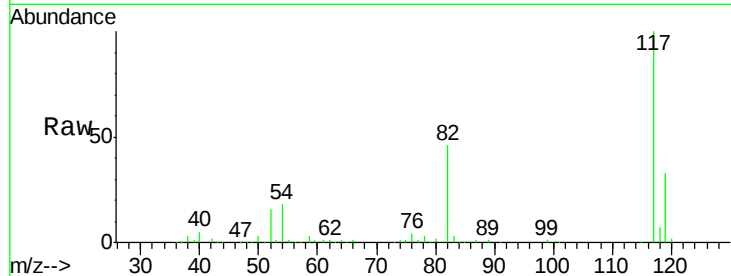




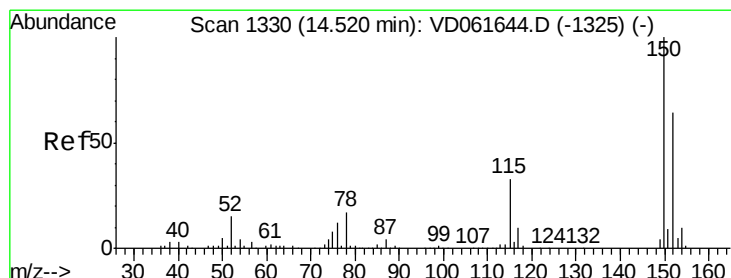
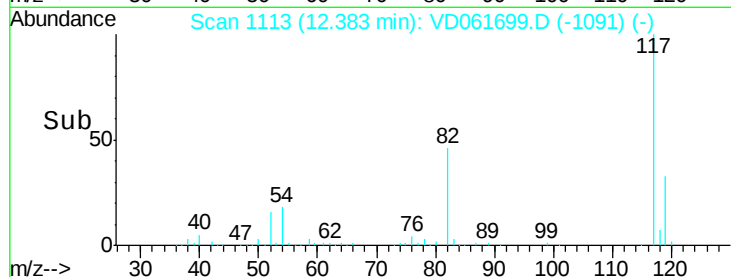
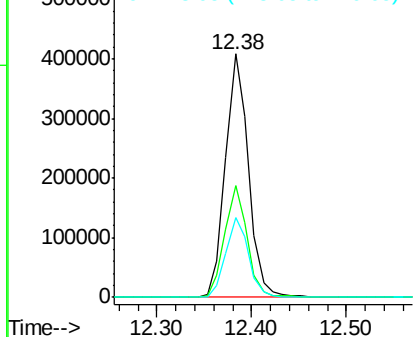
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061699.D
Acq: 10 Apr 2019 4:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 684999
Ion Ratio Lower Upper
117 100
82 46.1 36.8 55.2
119 32.6 26.1 39.1

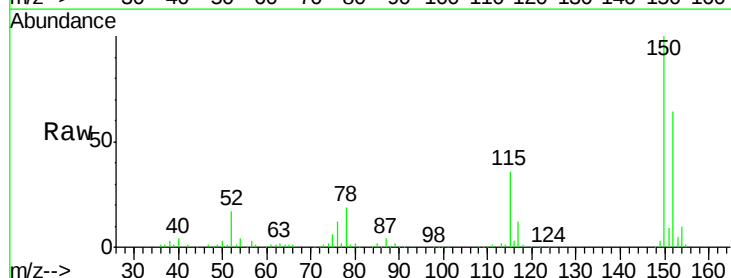


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

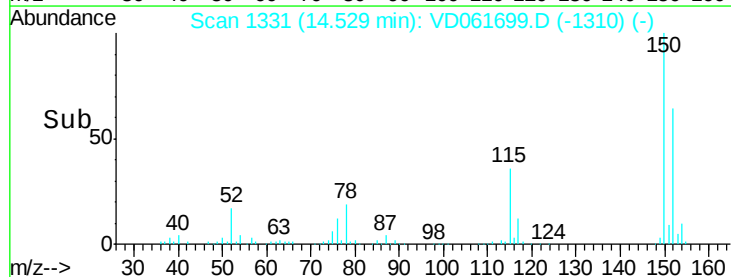
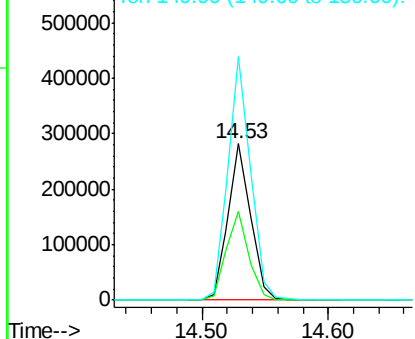


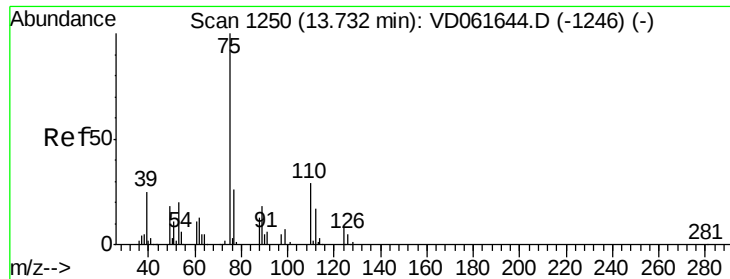
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061699.D
Acq: 10 Apr 2019 4:49

Tgt Ion:152 Resp: 348030
Ion Ratio Lower Upper
152 100
115 56.9 26.4 79.2
150 156.0 0.0 320.6



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





#76

1,2,3-Trichloropropane

Concen: 22.348 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD061699.D

Acq: 10 Apr 2019 4:49

Instrument :

MSVOA_D

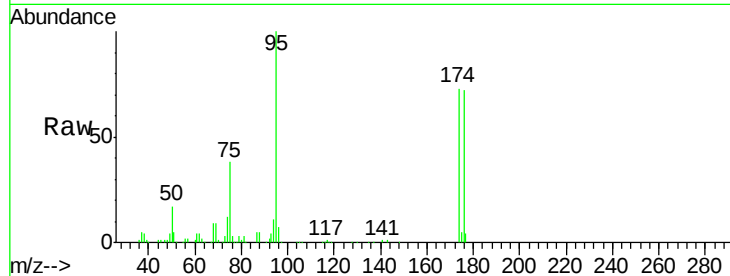
ClientSampled :

Tot Ion: 75 Resp: 105817

Ion Ratio Lower Upper

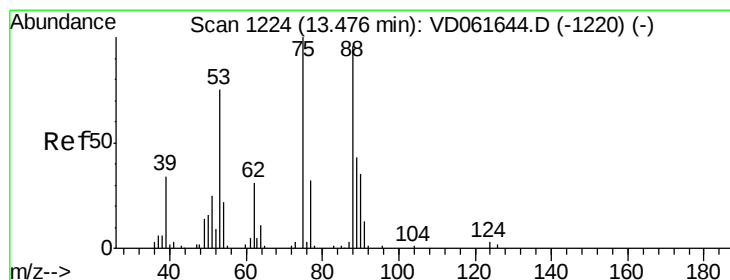
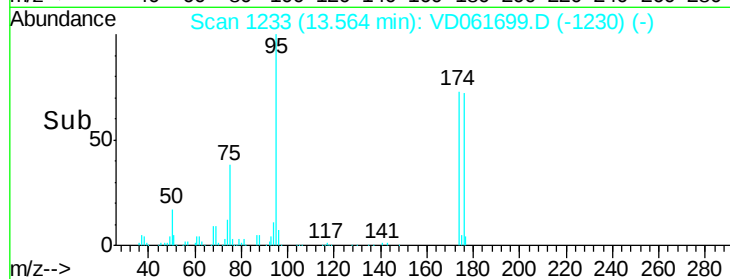
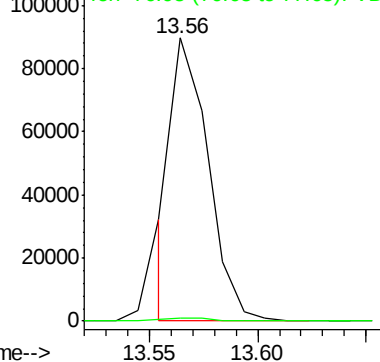
75 100

77 1.3 15.7 47.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 88.186 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061699.D

Acq: 10 Apr 2019 4:49

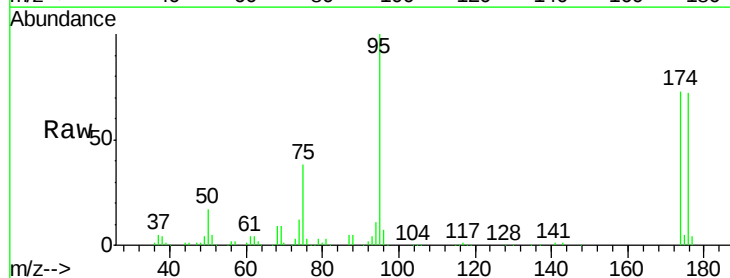
Tgt Ion: 75 Resp: 126709

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#



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

