

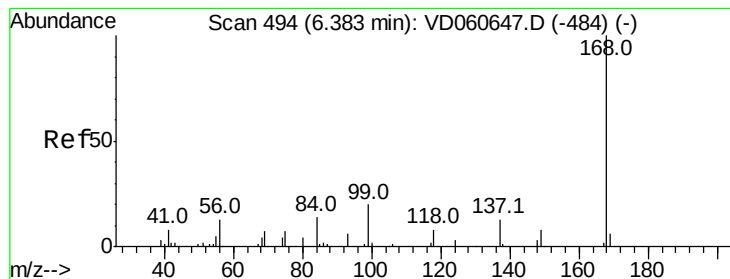
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122018\
 Data File : VD060667.D
 Acq On : 20 Dec 2018 19:20
 Operator : VA/AP
 Sample : J6465-01
 Misc : 5.07µl/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 03:40:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1663234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2314663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1839409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	916962	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	457761	39.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.66%	
35) Dibromofluoromethane	6.33	113	670677	39.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.18%	
50) Toluene-d8	9.46	98	1810993	35.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.66%	
62) 4-Bromofluorobenzene	12.43	95	657880	37.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.32%	
Target Compounds						
					Qvalue	
16) Acetone	3.17	43	16503	8.222	ug/l #	85
20) Methylene Chloride	3.74	84	59141	2.837	ug/l	97
36) 1,1-Dichloropropene	6.41	75	115182	4.833	ug/l #	45
38) Carbon Tetrachloride	6.42	117	127236	6.051	ug/l #	15
51) 4-Methyl-2-Pentanone	9.46	43	10243	1.307	ug/l #	1
52) Toluene	9.55	92	248475	6.438	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.43	75	267273	92.653	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 528

Delta R.T. 0.01 min

Lab File: VD060667.D

Acq: 20 Dec 2018 19:20

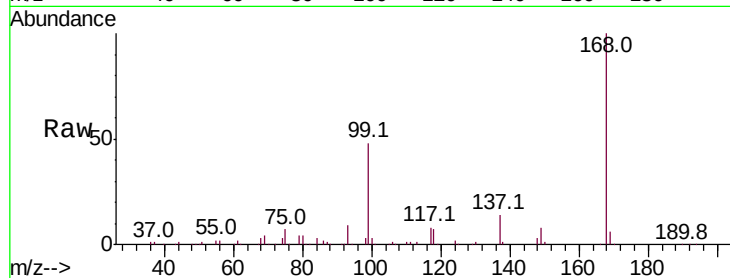
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1663234

Ion Ratio Lower Upper

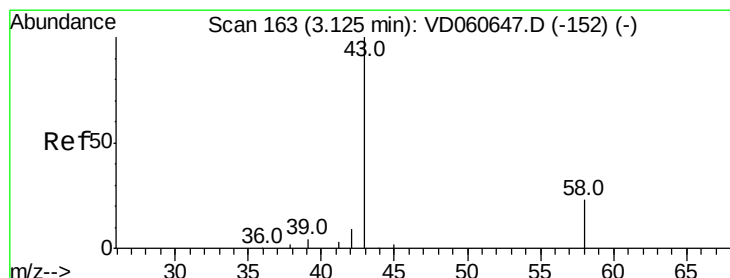
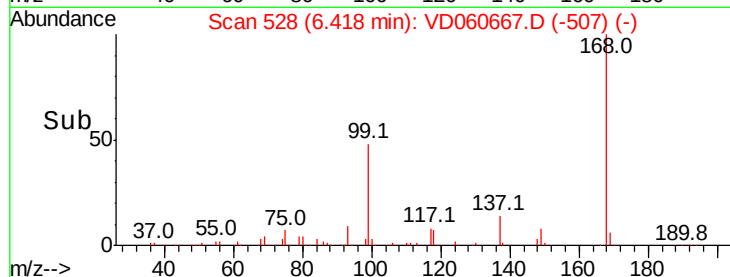
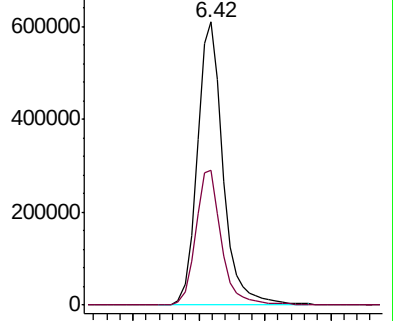
168 100

99 47.7 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 8.222 ug/l

RT: 3.17 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD060667.D

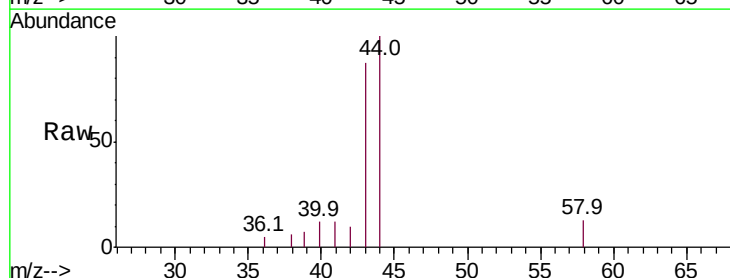
Acq: 20 Dec 2018 19:20

Tgt Ion: 43 Resp: 16503

Ion Ratio Lower Upper

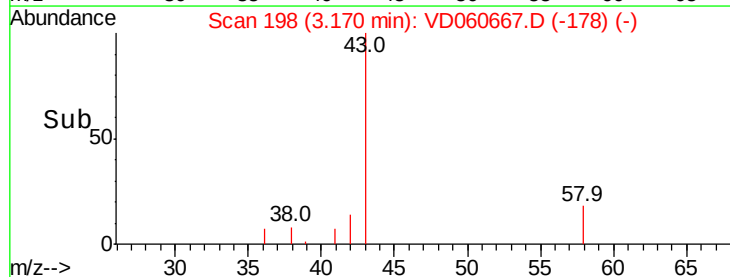
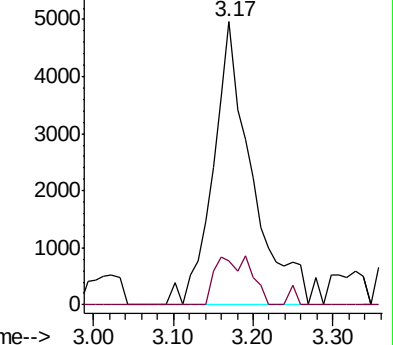
43 100

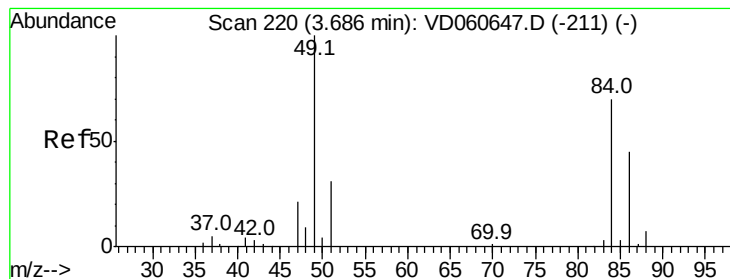
58 15.4 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 2.837 ug/l

RT: 3.74 min Scan# 256

Delta R.T. 0.01 min

Lab File: VD060667.D

Acq: 20 Dec 2018 19:20

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 59141

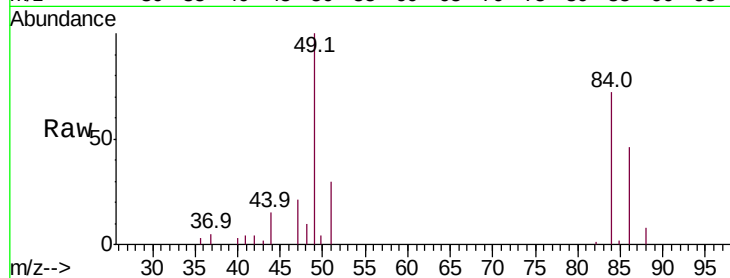
Ion Ratio Lower Upper

84 100

49 139.1 113.6 170.4

51 41.3 34.7 52.1

86 63.7 52.8 79.2



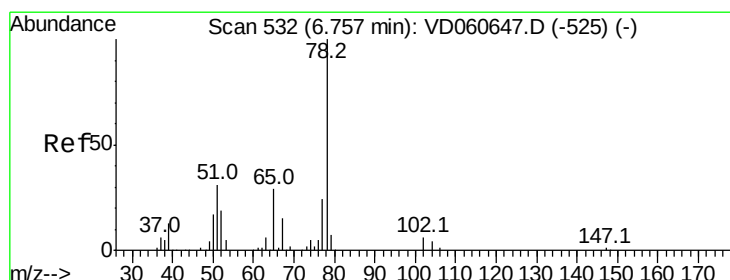
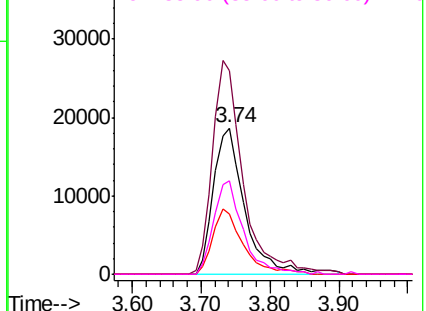
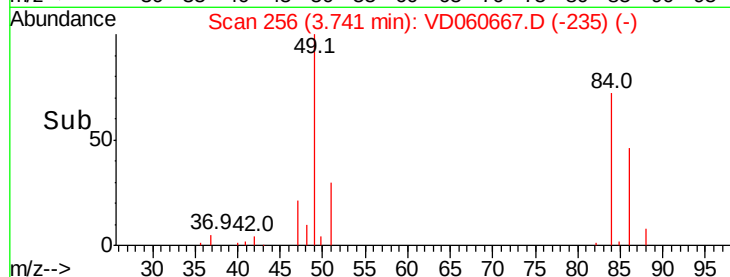
Abundance

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.79 min Scan# 566

Delta R.T. 0.00 min

Lab File: VD060667.D

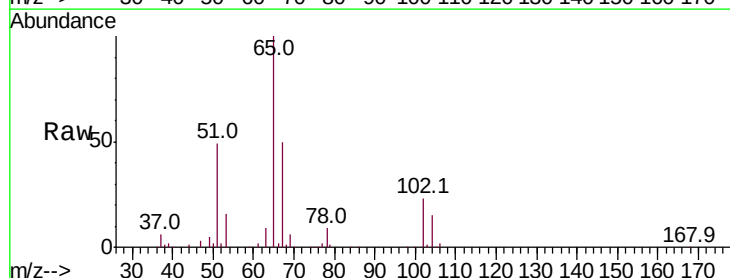
Acq: 20 Dec 2018 19:20

Tgt Ion: 65 Resp: 457761

Ion Ratio Lower Upper

65 100

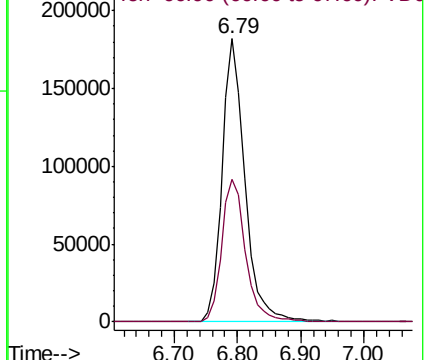
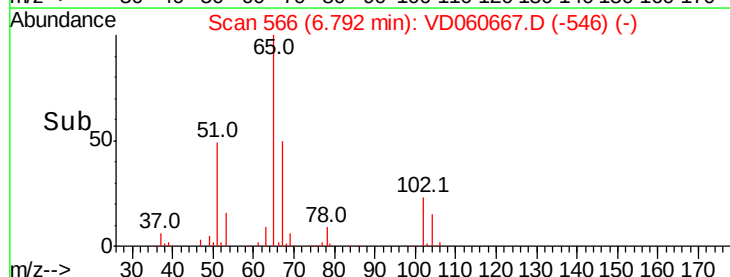
67 50.3 0.0 105.4

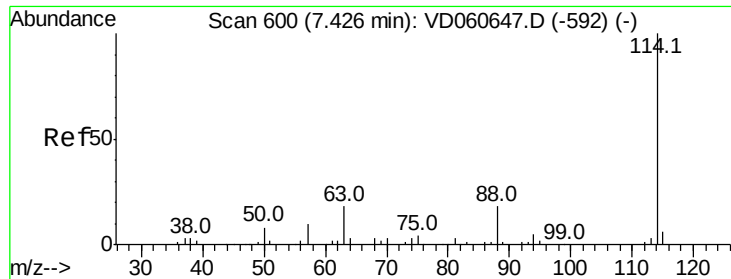


Abundance

Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

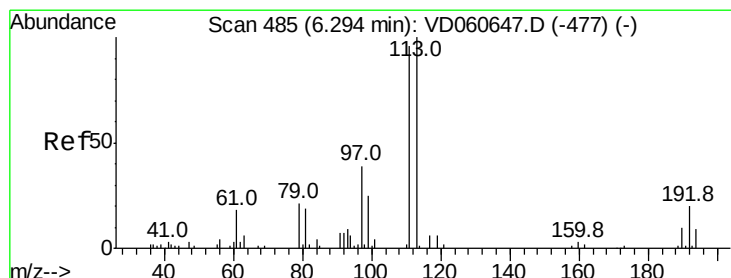
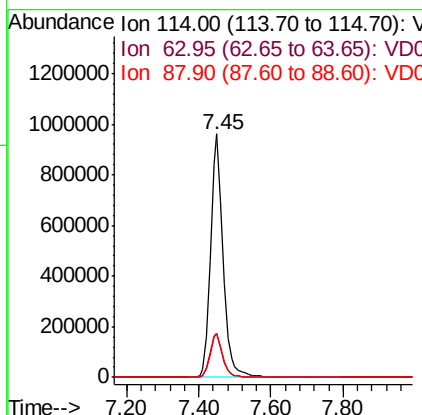
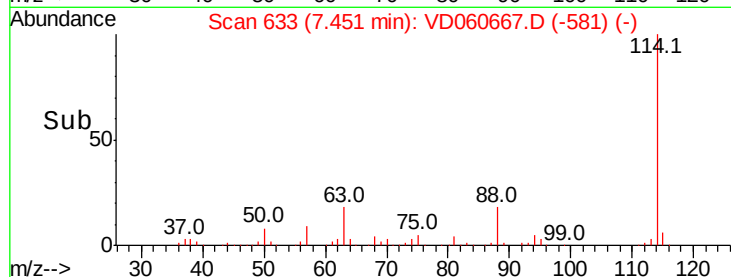
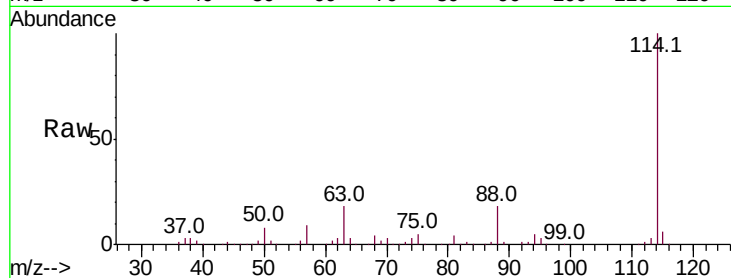




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 633
 Delta R.T. 0.01 min
 Lab File: VD060667.D
 Acq: 20 Dec 2018 19:20

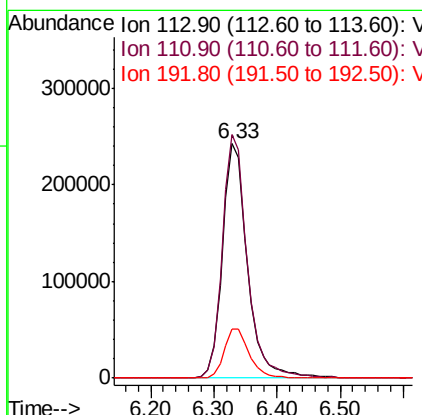
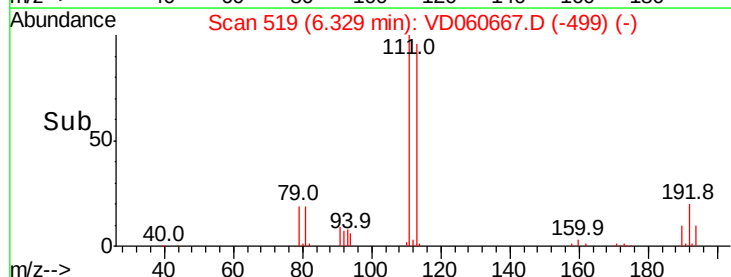
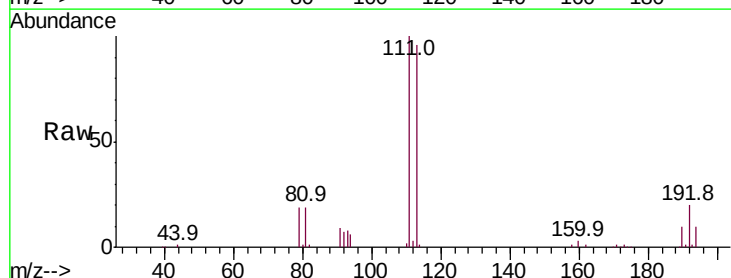
Instrument :
 MSVOA_D
 ClientSampleId :

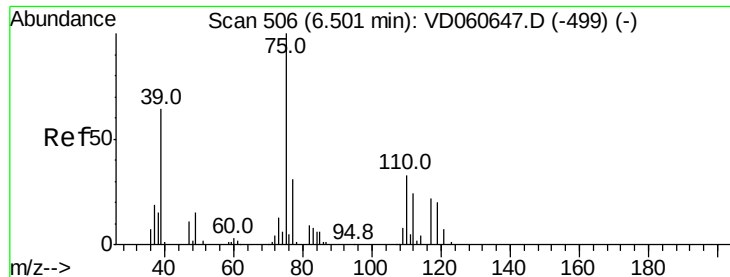
Tot Ion:114 Resp: 2314663
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.2
 88 18.1 0.0 37.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VD060667.D
 Acq: 20 Dec 2018 19:20

Tgt Ion:113 Resp: 670677
 Ion Ratio Lower Upper
 113 100
 111 103.9 80.0 120.0
 192 20.9 16.6 25.0





#36

1,1-Dichloropropene

Concen: 4.833 ug/l

RT: 6.41 min Scan# 527

Delta R.T. -0.12 min

Lab File: VD060667.D

Acq: 20 Dec 2018 19:20

Instrument :
MSVOA_D
ClientSampleId :

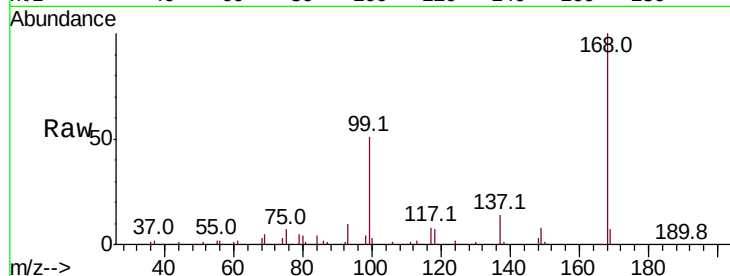
Tot Ion: 75 Resp: 115182

Ion Ratio Lower Upper

75 100

110 6.3 18.9 56.7#

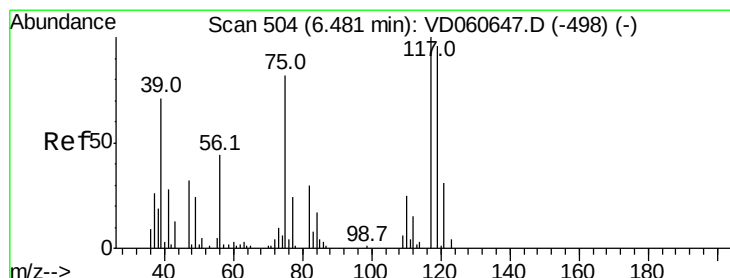
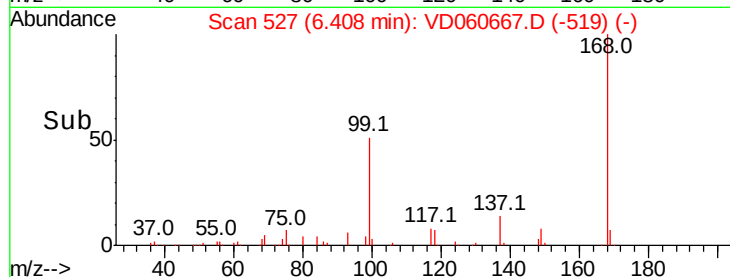
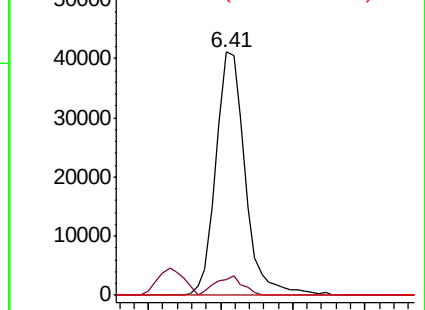
77 0.0 25.4 38.0#



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: 6.051 ug/l

RT: 6.42 min Scan# 528

Delta R.T. -0.08 min

Lab File: VD060667.D

Acq: 20 Dec 2018 19:20

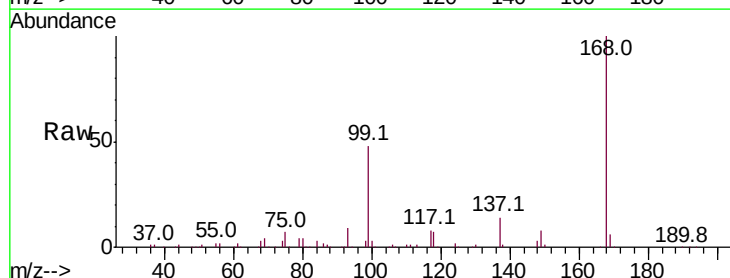
Tgt Ion: 117 Resp: 127236

Ion Ratio Lower Upper

117 100

119 4.1 77.0 115.4#

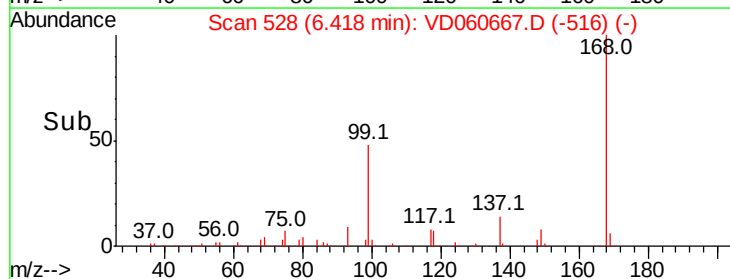
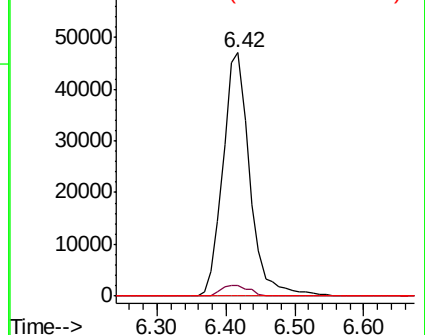
121 0.0 24.7 37.1#

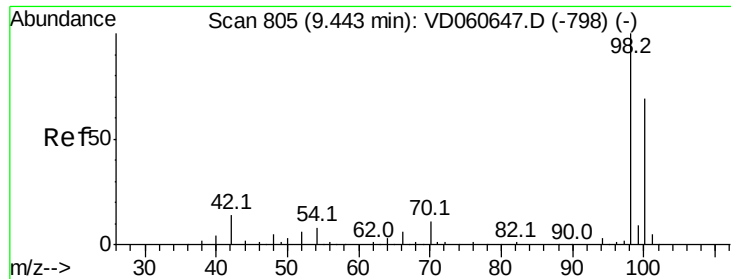


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

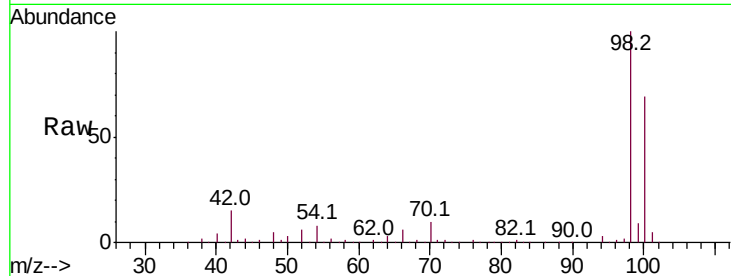




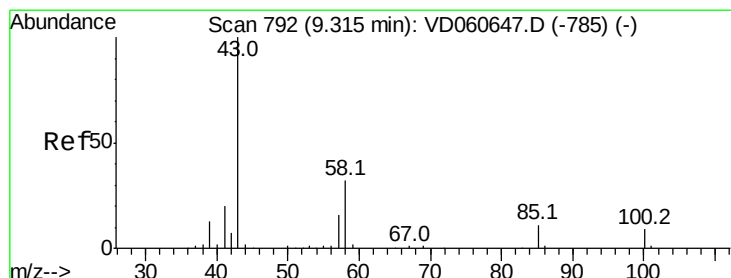
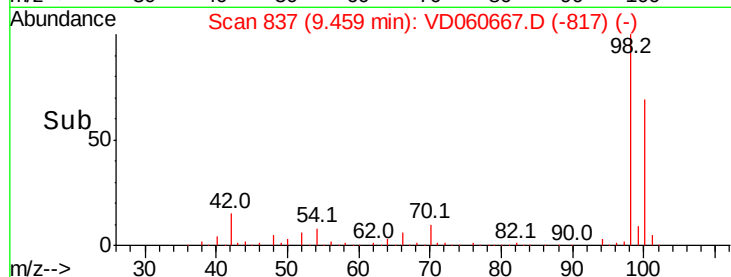
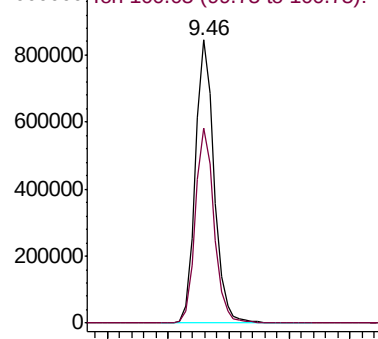
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 837
Delta R.T. 0.00 min
Lab File: VD060667.D
Acq: 20 Dec 2018 19:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 1810993
Ion Ratio Lower Upper
98 100
100 68.9 55.8 83.8

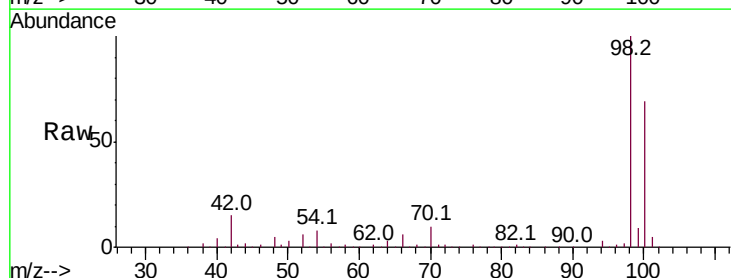


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

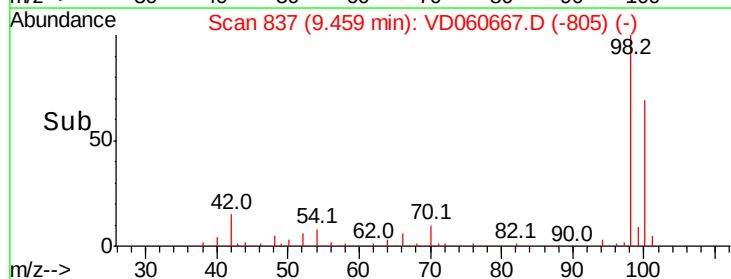
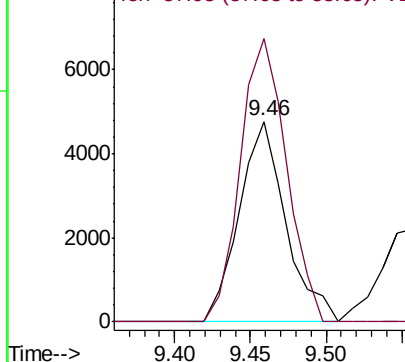


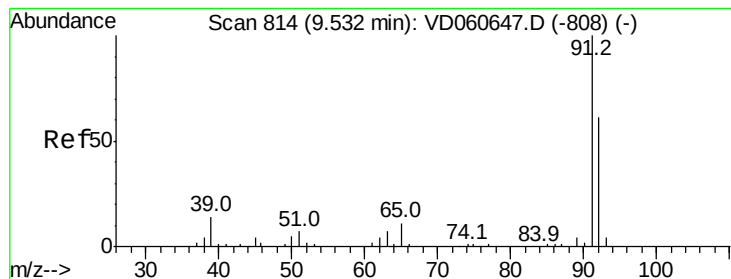
#51
4-Methyl-2-Pentanone
Concen: 1.307 ug/l
RT: 9.46 min Scan# 837
Delta R.T. 0.12 min
Lab File: VD060667.D
Acq: 20 Dec 2018 19:20

Tgt Ion: 43 Resp: 10243
Ion Ratio Lower Upper
43 100
58 141.0 26.3 39.5#



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





#52

Toluene

Concen: 6.438 ug/l

RT: 9.55 min Scan# 846

Delta R.T. 0.00 min

Lab File: VD060667.D

Acq: 20 Dec 2018 19:20

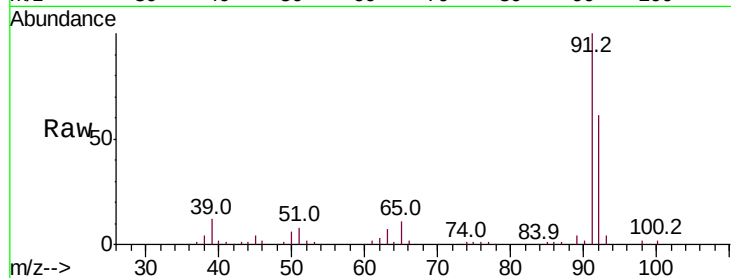
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 92 Resp: 248475

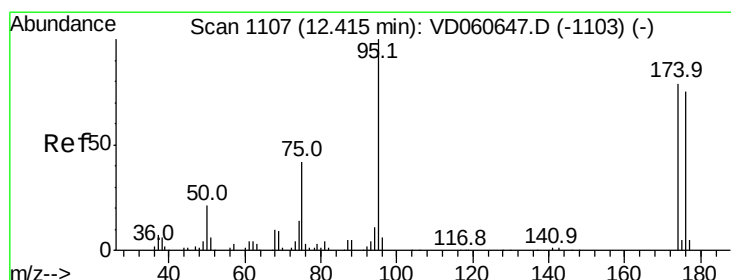
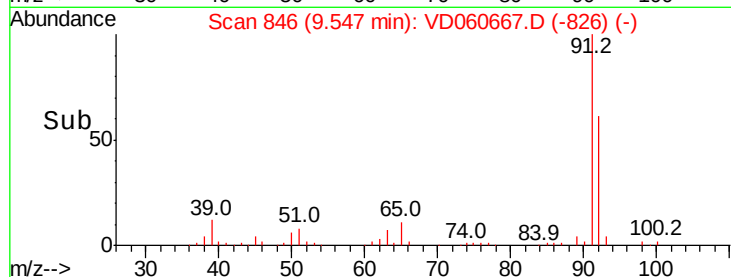
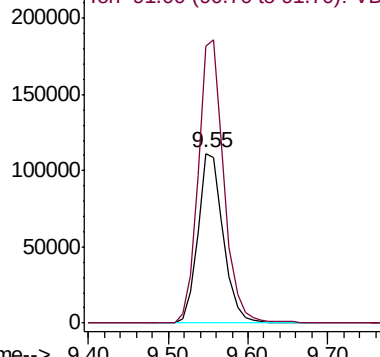
Ion Ratio Lower Upper

92 100

91 162.6 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VD060667.D

Acq: 20 Dec 2018 19:20

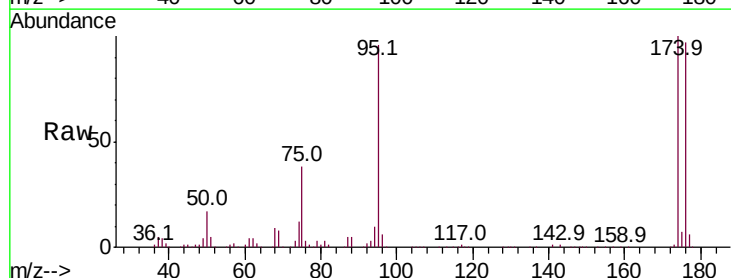
Tgt Ion: 95 Resp: 657880

Ion Ratio Lower Upper

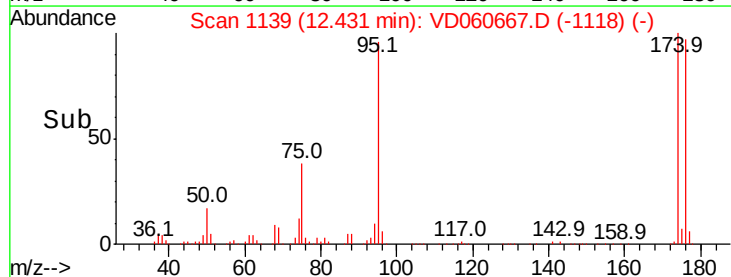
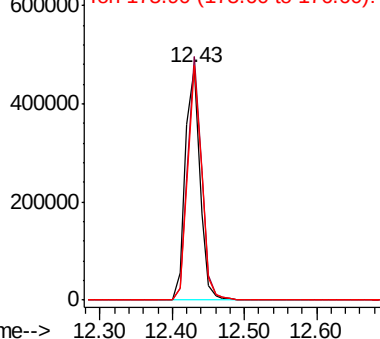
95 100

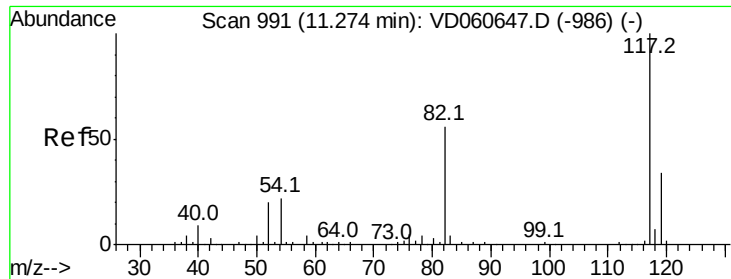
174 104.7 0.0 158.2

176 101.1 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

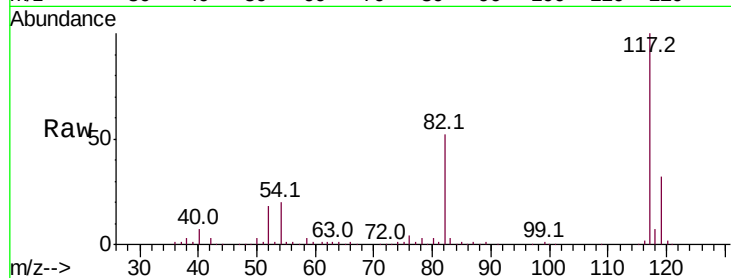




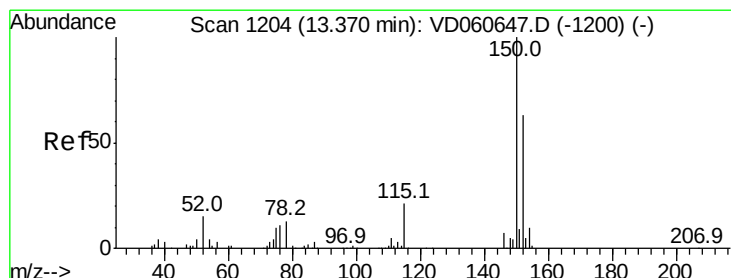
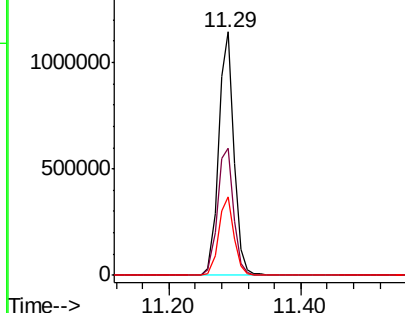
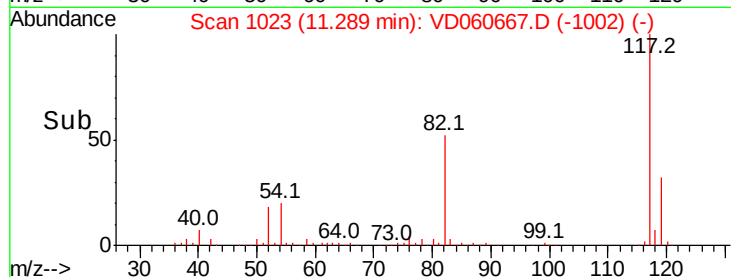
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VD060667.D
Acq: 20 Dec 2018 19:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1839409
Ion Ratio Lower Upper
117 100
82 52.2 44.5 66.7
119 32.2 26.3 39.5

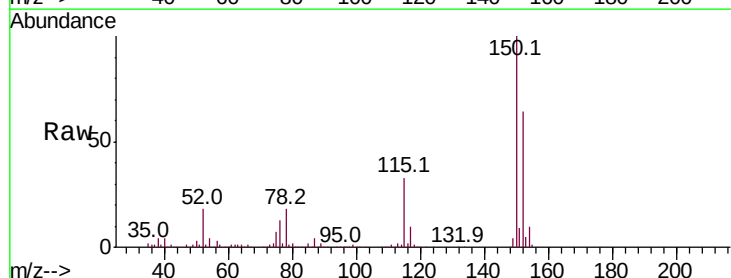


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

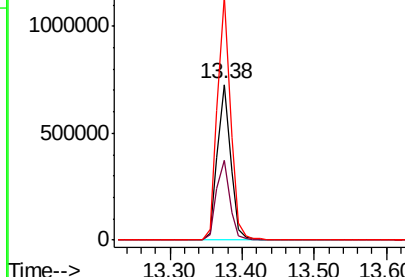
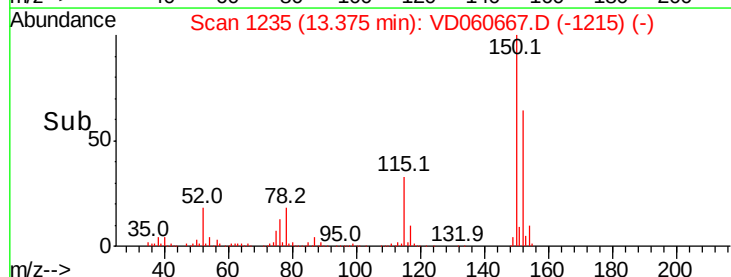


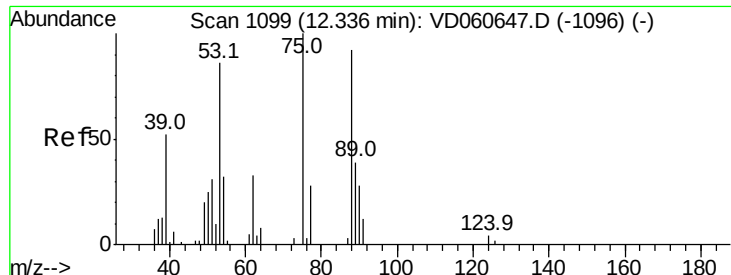
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VD060667.D
Acq: 20 Dec 2018 19:20

Tgt Ion:152 Resp: 916962
Ion Ratio Lower Upper
152 100
115 51.5 24.1 72.3
150 156.5 0.0 315.0



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: 92.653 ug/l

RT: 12.43 min Scan# 1139

Delta R.T. 0.09 min

Lab File: VD060667.D

Acq: 20 Dec 2018 19:20

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 267273

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#

