

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111318\
 Data File : VD060359.D
 Acq On : 13 Nov 2018 14:34
 Operator : JC/SY
 Sample : J5901-03
 Misc : 6.23g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 14 05:49:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1628763	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	2253158	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1860797	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	937870	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	541042	46.39	ug/l	-0.01
Spiked Amount			Recovery	=	92.78%	
35) Dibromofluoromethane	6.32	113	763956	45.47	ug/l	-0.01
Spiked Amount			Recovery	=	90.94%	
50) Toluene-d8	9.46	98	2167180	44.07	ug/l	0.00
Spiked Amount			Recovery	=	88.14%	
62) 4-Bromofluorobenzene	12.43	95	754841	42.36	ug/l	-0.01
Spiked Amount			Recovery	=	84.72%	

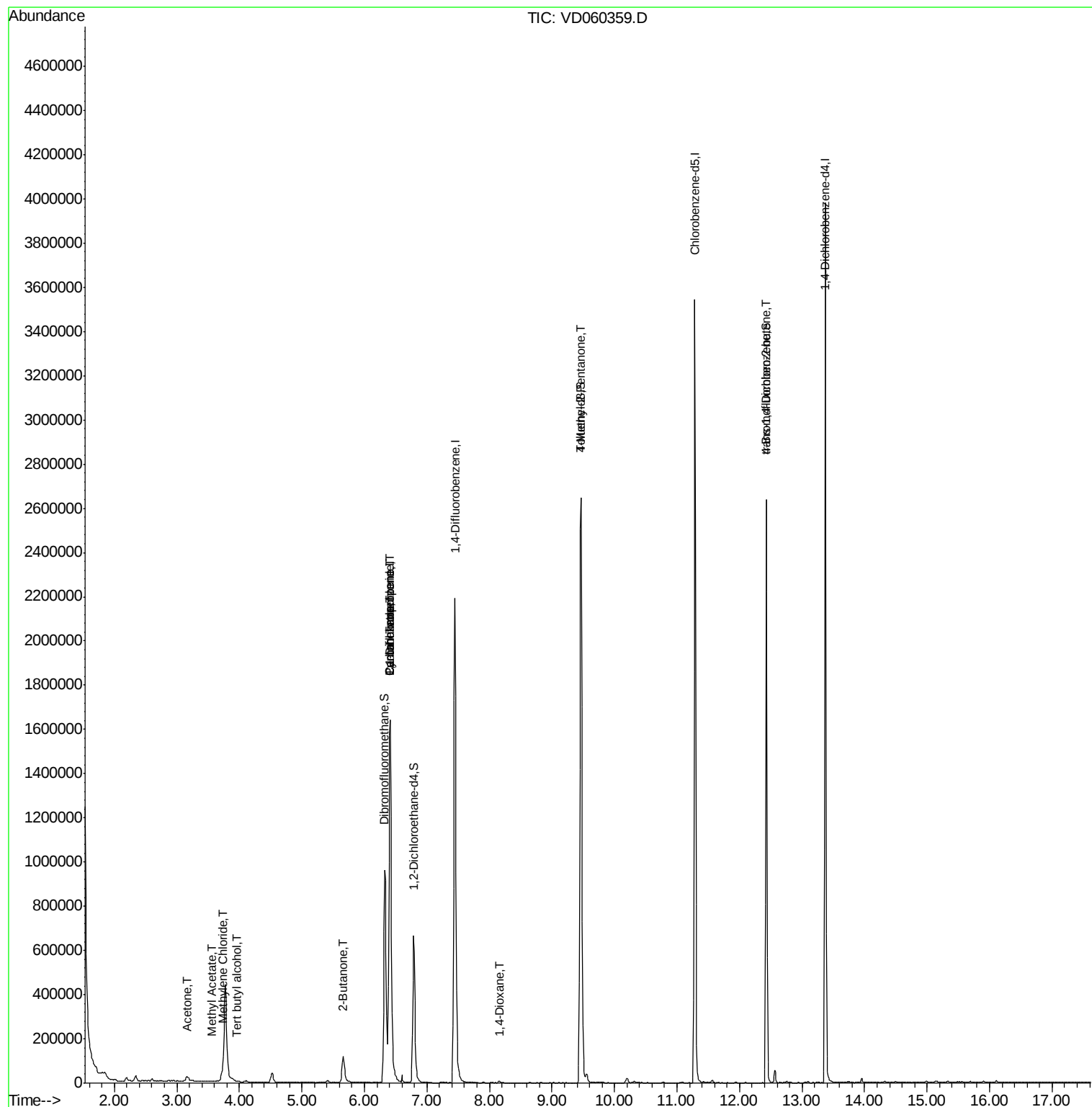
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	228	Below Cal	#	41
11) Tert butyl alcohol	3.96	59	2374	4.957	ug/l #	70
16) Acetone	3.17	43	54511	26.947	ug/l	100
18) Methyl Acetate	3.57	43	6882	1.596	ug/l #	63
20) Methylene Chloride	3.73	84	22048	1.229	ug/l #	96
25) 2-Butanone	5.67	43	8949	2.128	ug/l #	60
31) Cyclohexane	6.40	56	31168	1.119	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	117344	5.271	ug/l #	46
38) Carbon Tetrachloride	6.41	117	127842	6.191	ug/l #	15
49) 1,4-Dioxane	8.16	88	188	2.780	ug/l #	1
51) 4-Methyl-2-Pentanone	9.46	43	12121	1.447	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.43	75	317856	99.515	ug/l #	15
89) n-Butylbenzene	13.65	91	253	Below Cal	#	69

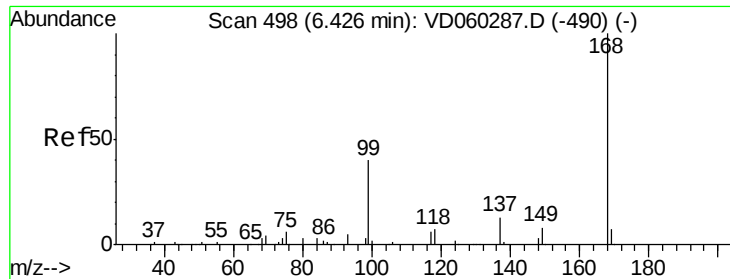
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111318\
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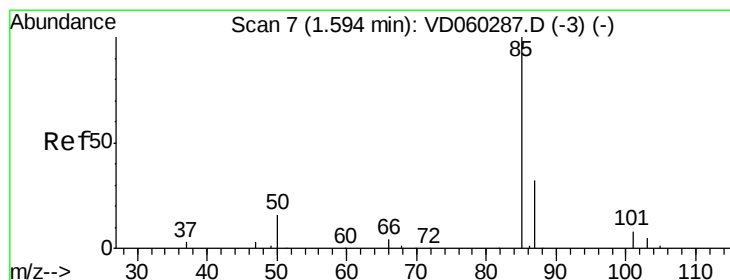
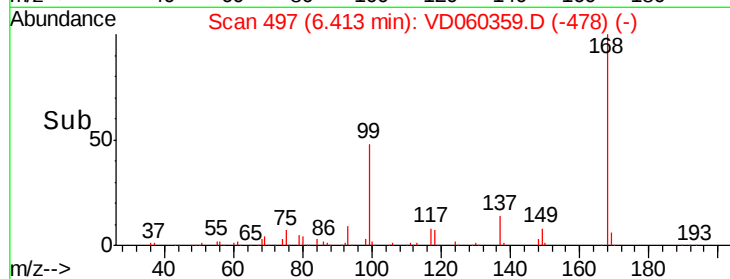
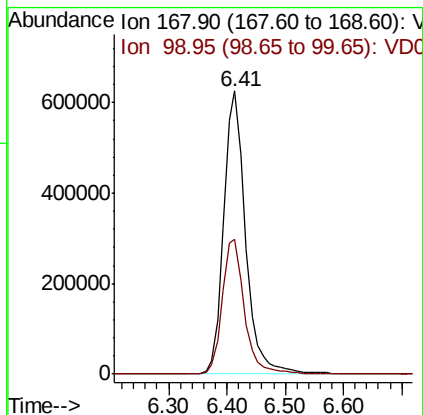
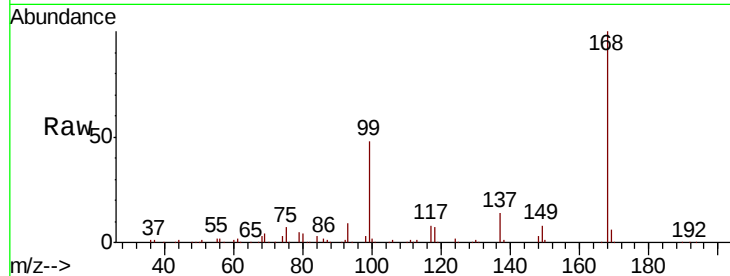


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VD060359.D
 Acq: 13 Nov 2018 14:34

Instrument :
 MSVOA_D
 ClientSampleID :

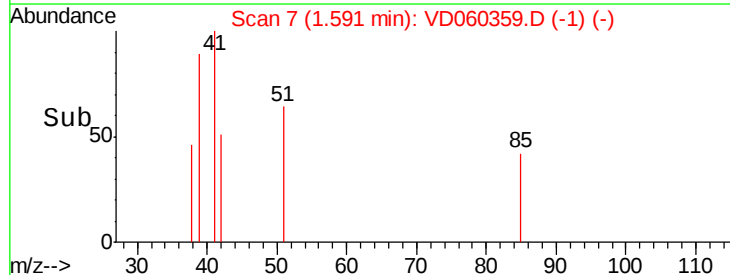
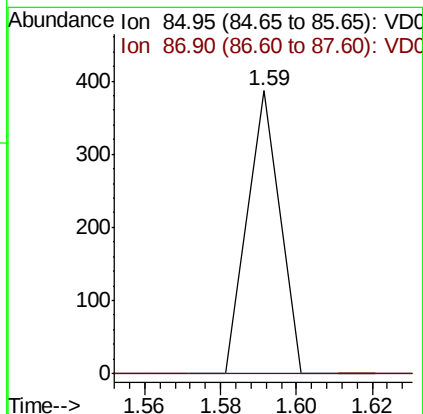
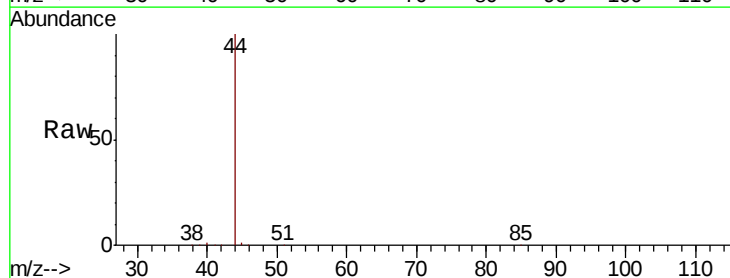
Tot Ion:168 Resp: 1628763
 Ion Ratio Lower Upper
 168 100
 99 47.7 39.8 59.8

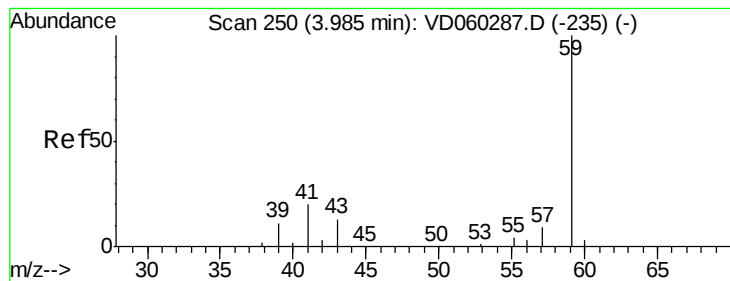


#2

Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.59 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VD060359.D
 Acq: 13 Nov 2018 14:34

Tgt Ion: 85 Resp: 228
 Ion Ratio Lower Upper
 85 100
 87 0.0 16.8 50.4#



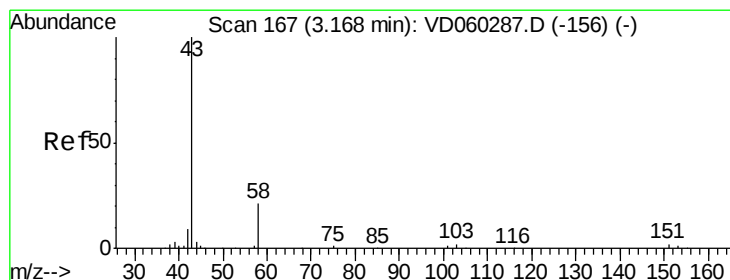
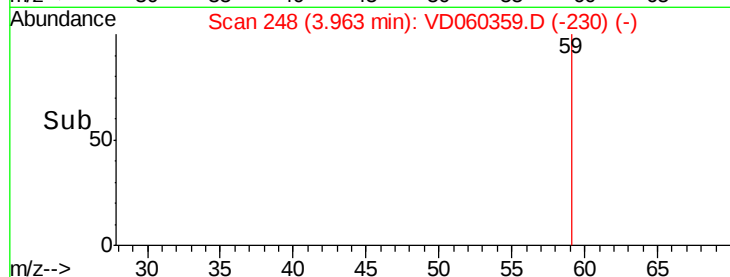
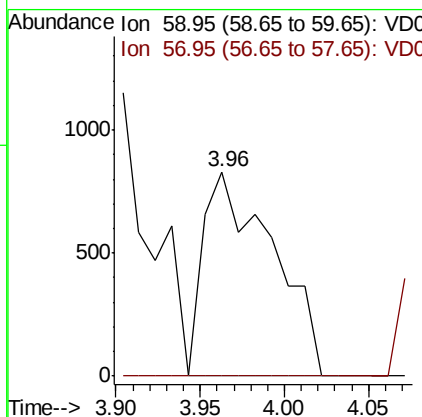
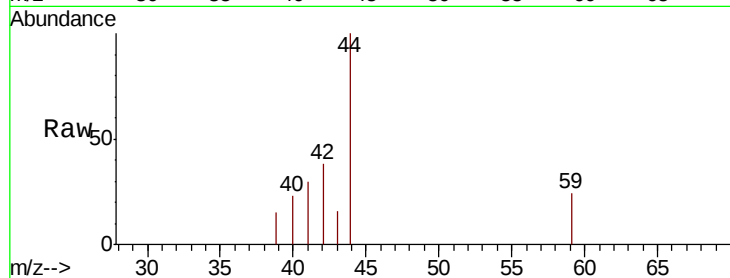


#11

Tert butyl alcohol
 Concen: 4.957 ug/l
 RT: 3.96 min Scan# 248
 Delta R.T. -0.02 min
 Lab File: VD060359.D
 Acq: 13 Nov 2018 14:34

Instrument :
 MSVOA_D
 ClientSampled :

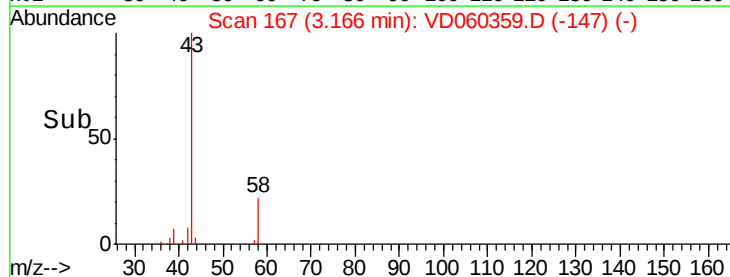
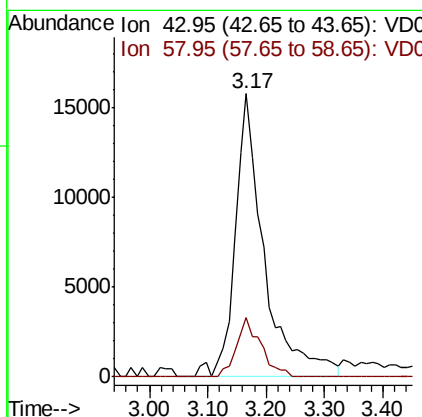
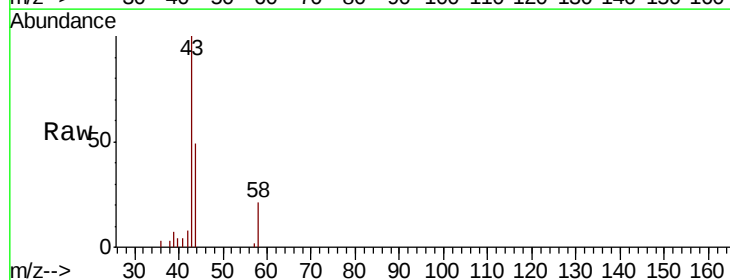
Tot Ion: 59 Resp: 2374
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

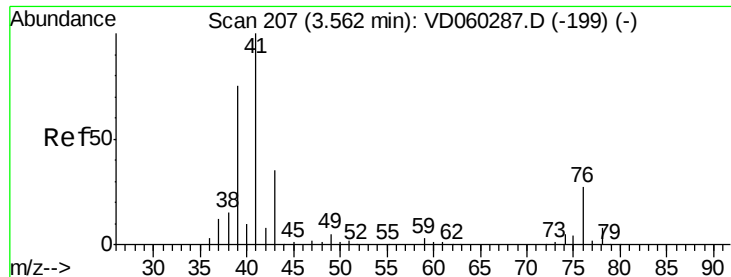


#16

Acetone
 Concen: 26.947 ug/l
 RT: 3.17 min Scan# 167
 Delta R.T. -0.00 min
 Lab File: VD060359.D
 Acq: 13 Nov 2018 14:34

Tgt Ion: 43 Resp: 54511
 Ion Ratio Lower Upper
 43 100
 58 21.0 16.9 25.3

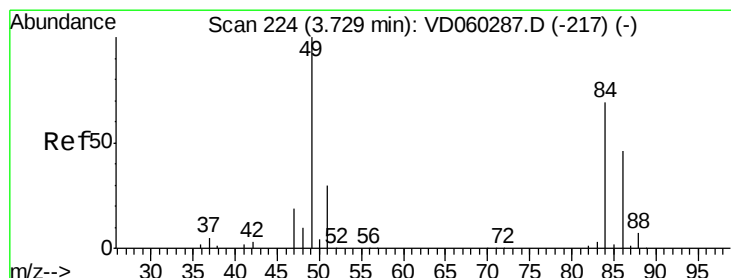
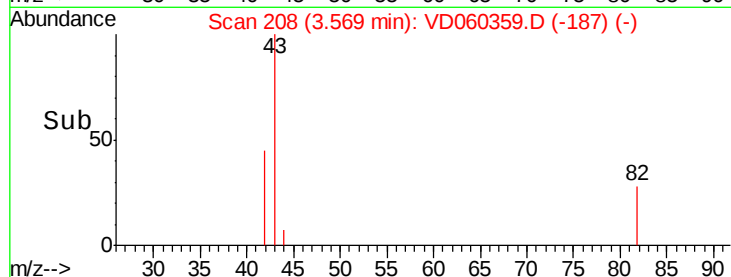
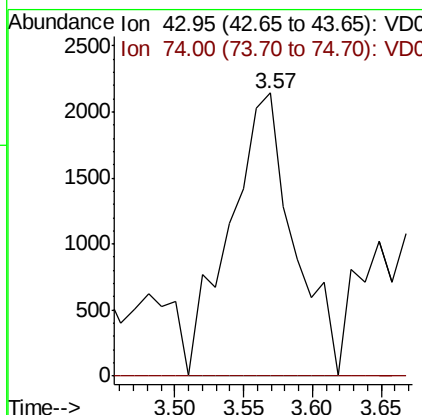
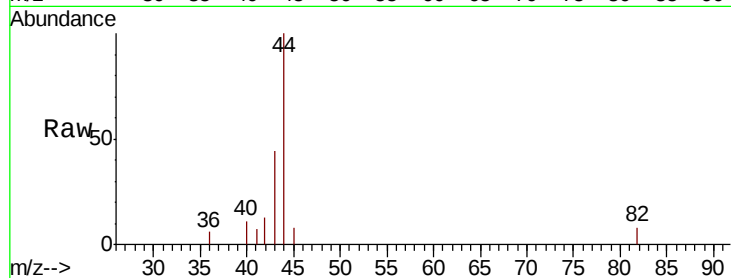




#18
Methyl Acetate
Concen: 1.596 ug/l
RT: 3.57 min Scan# 208
Delta R.T. 0.01 min
Lab File: VD060359.D
Acq: 13 Nov 2018 14:34

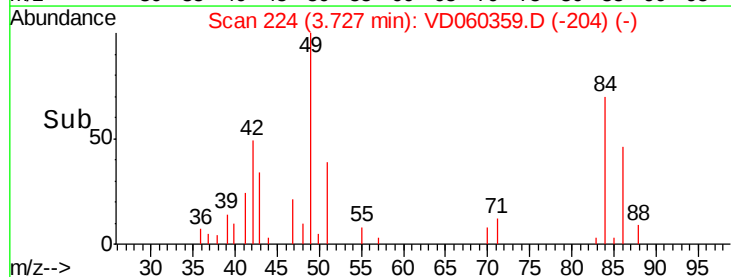
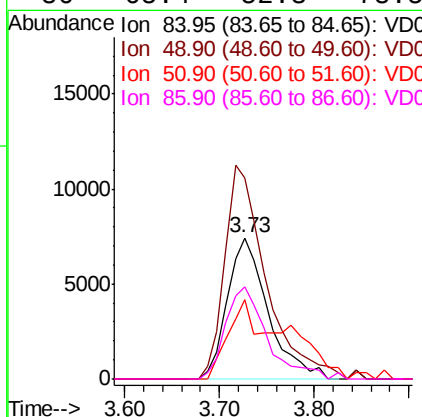
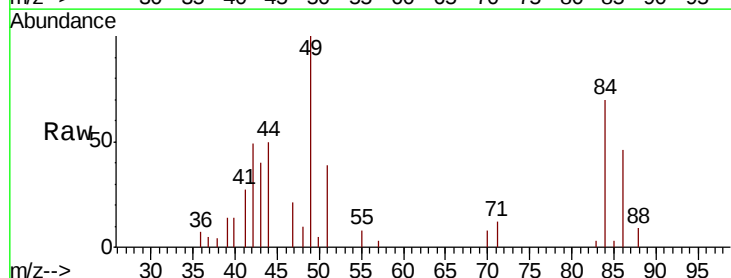
Instrument :
MSVOA_D
ClientSampleId :

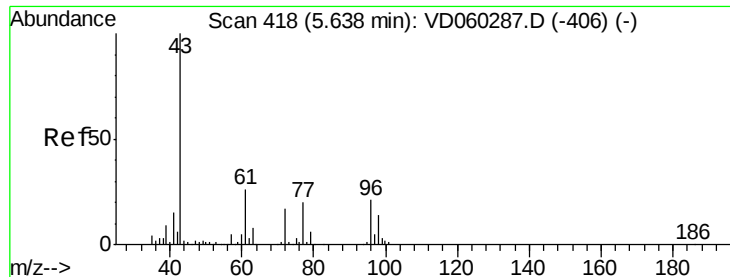
Tot Ion: 43 Resp: 6882
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 1.229 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060359.D
Acq: 13 Nov 2018 14:34

Tgt Ion: 84 Resp: 22048
Ion Ratio Lower Upper
84 100
49 142.8 115.6 173.4
51 56.3 35.6 53.4#
86 65.4 52.3 78.5





#25

2-Butanone

Concen: 2.128 ug/l

RT: 5.67 min Scan# 421

Delta R.T. 0.03 min

Lab File: VD060359.D

Acq: 13 Nov 2018 14:34

Instrument :

MSVOA_D

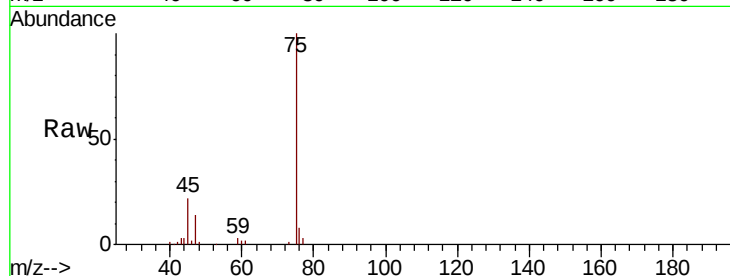
ClientSampled :

Tot Ion: 43 Resp: 8949

Ion Ratio Lower Upper

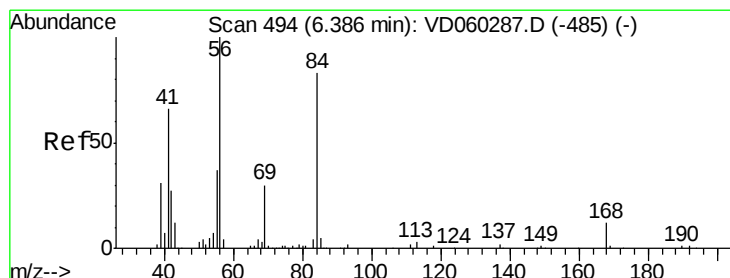
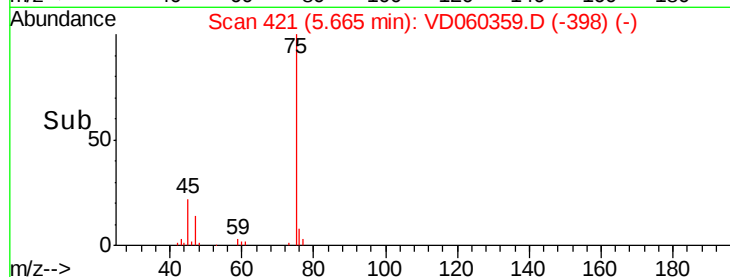
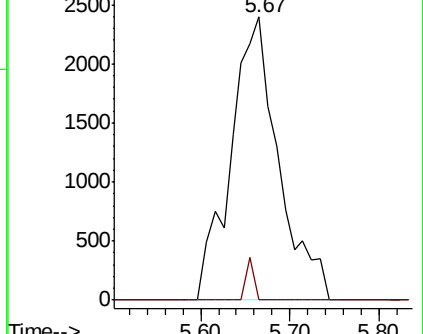
43 100

72 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.119 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060359.D

Acq: 13 Nov 2018 14:34

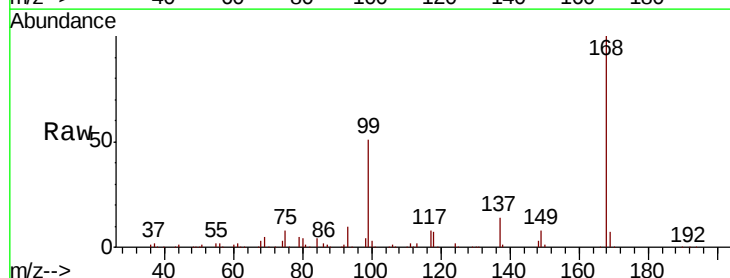
Tgt Ion: 56 Resp: 31168

Ion Ratio Lower Upper

56 100

69 225.7 22.2 33.2#

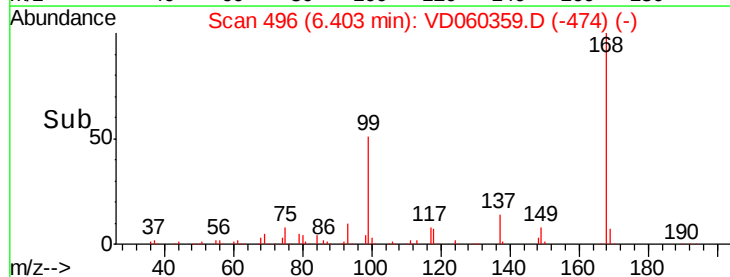
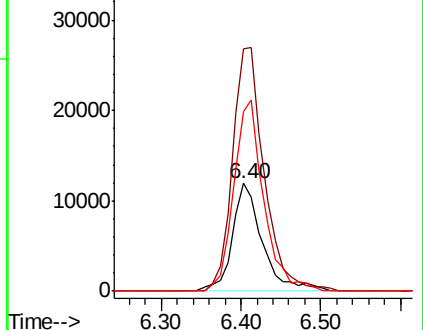
84 166.9 63.0 94.4#

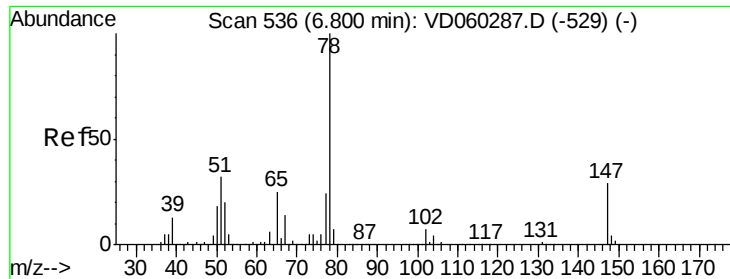


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060359.D

Acq: 13 Nov 2018 14:34

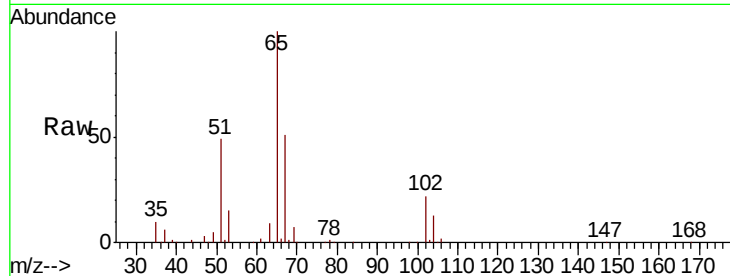
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 541042

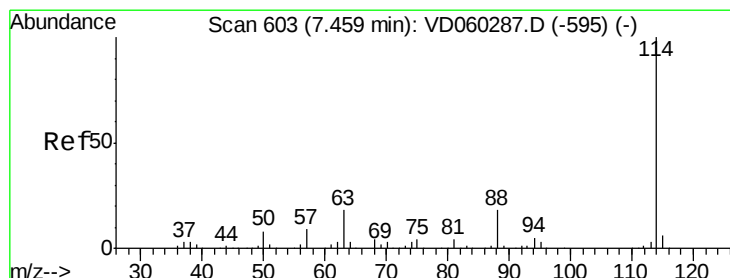
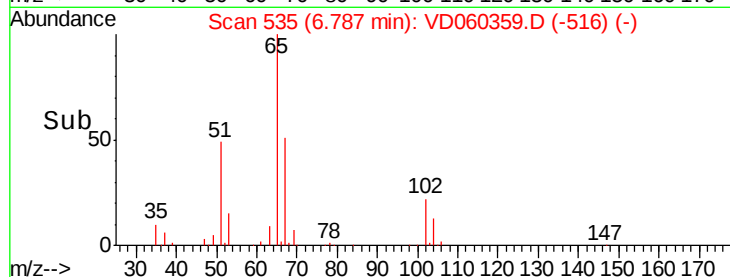
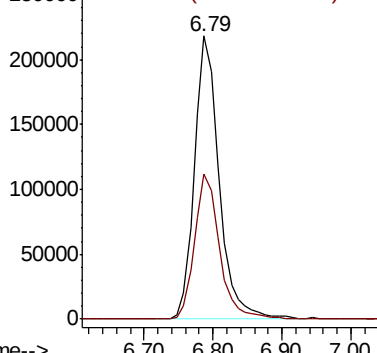
Ion Ratio Lower Upper

65 100

67 51.3 0.0 109.8



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# 602

Delta R.T. -0.01 min

Lab File: VD060359.D

Acq: 13 Nov 2018 14:34

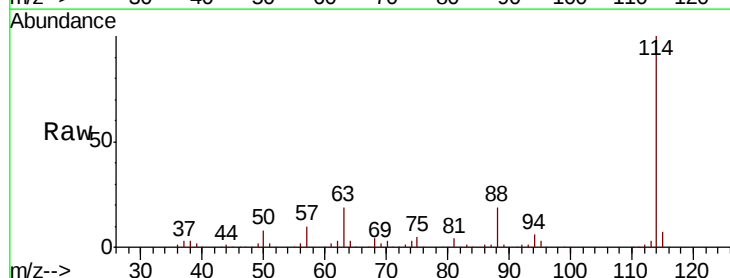
Tgt Ion: 114 Resp: 2253158

Ion Ratio Lower Upper

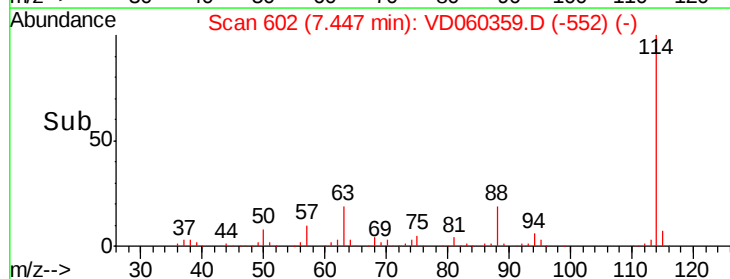
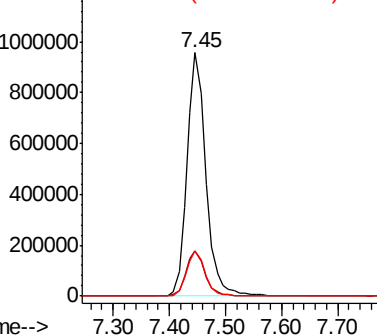
114 100

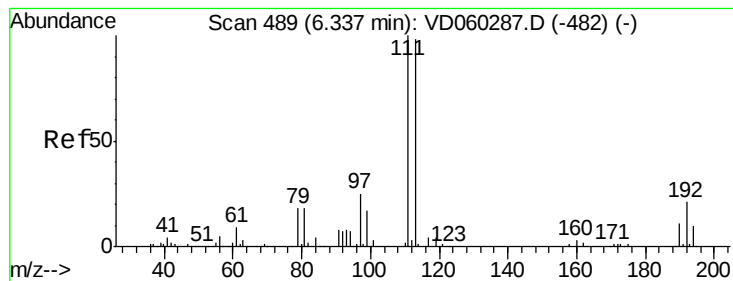
63 18.6 0.0 34.0

88 18.5 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): VDC
Ion 62.95 (62.65 to 63.65): VDC
Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060359.D

Acq: 13 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

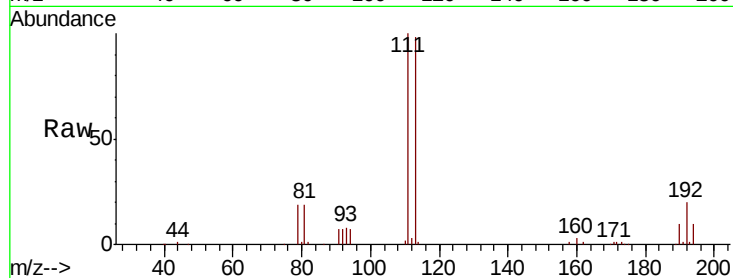
Tot Ion:113 Resp: 763956

Ion Ratio Lower Upper

113 100

111 101.9 81.6 122.4

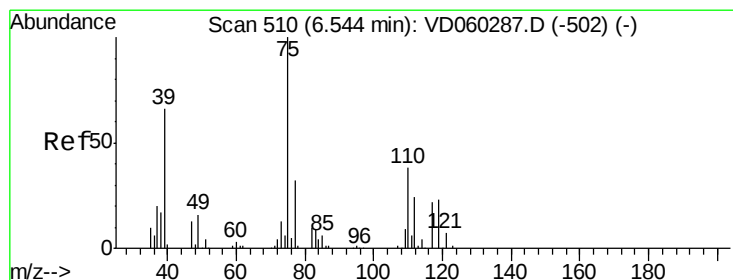
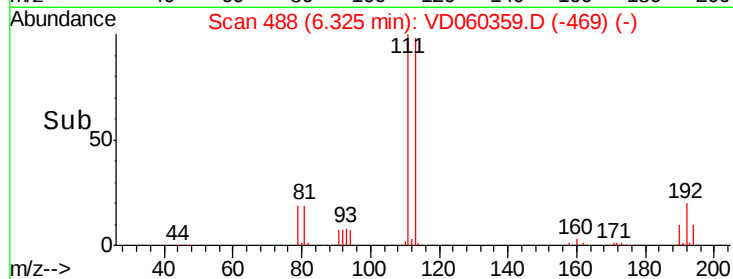
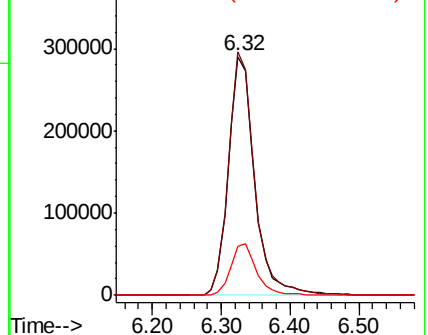
192 20.7 16.5 24.7



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: 5.271 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.14 min

Lab File: VD060359.D

Acq: 13 Nov 2018 14:34

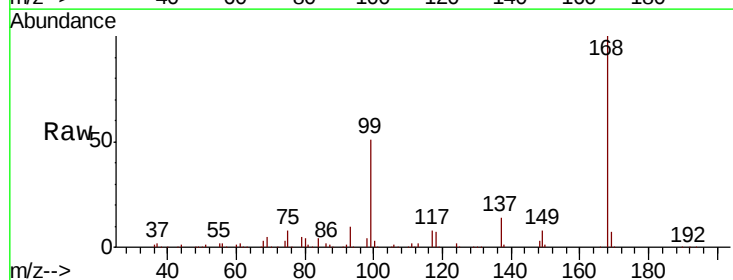
Tgt Ion: 75 Resp: 117344

Ion Ratio Lower Upper

75 100

110 5.9 18.0 54.0#

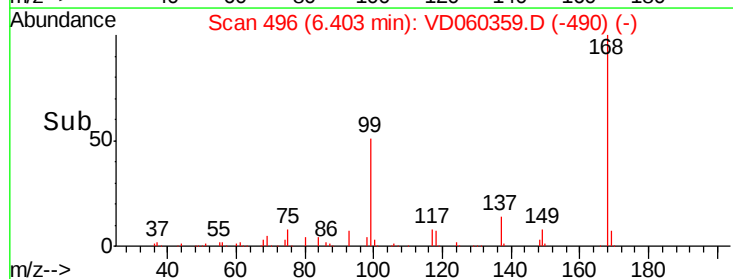
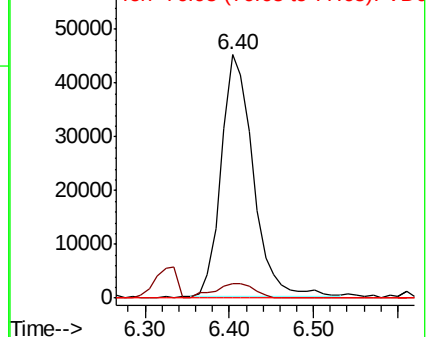
77 0.0 25.6 38.4#

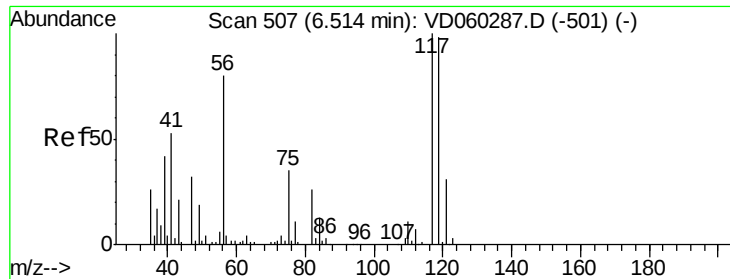


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.191 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.10 min

Lab File: VD060359.D

Acq: 13 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

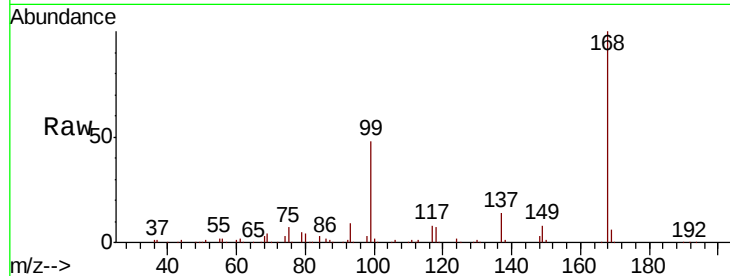
Tot Ion:117 Resp: 127842

Ion Ratio Lower Upper

117 100

119 4.3 76.6 115.0#

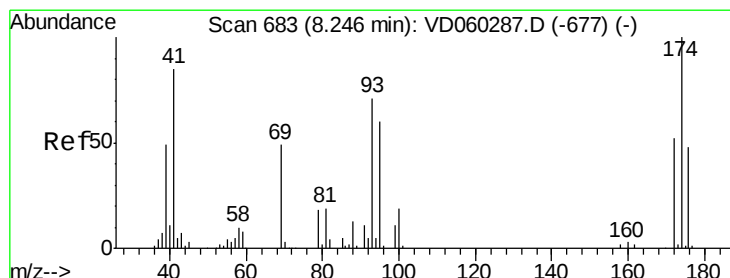
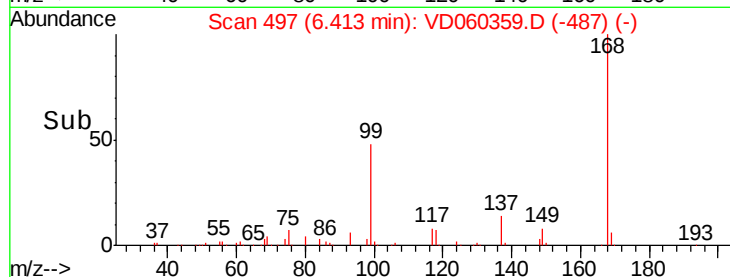
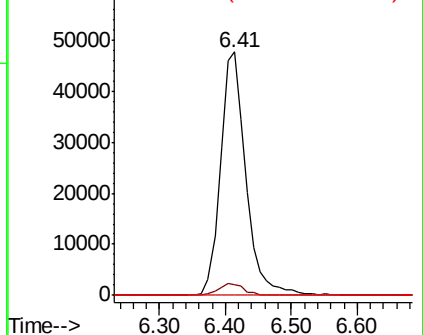
121 0.0 24.3 36.5#



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



#49

1,4-Dioxane

Concen: 2.780 ug/l

RT: 8.16 min Scan# 675

Delta R.T. -0.08 min

Lab File: VD060359.D

Acq: 13 Nov 2018 14:34

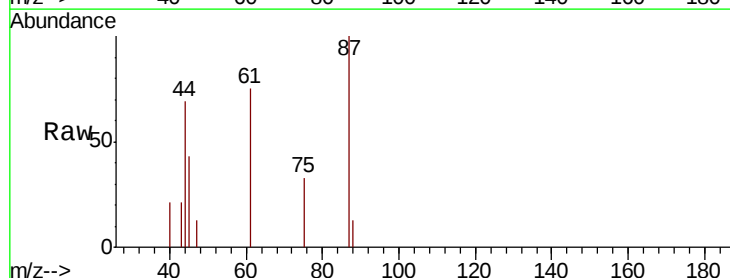
Tgt Ion: 88 Resp: 188

Ion Ratio Lower Upper

88 100

43 165.2 39.7 59.5#

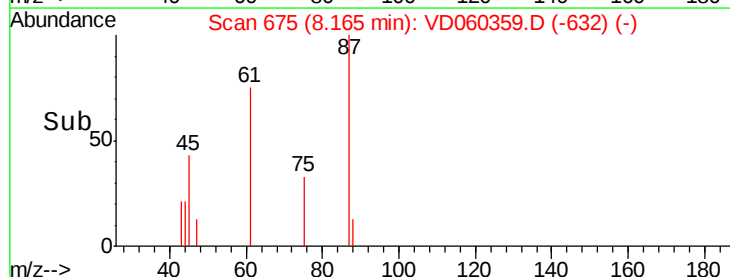
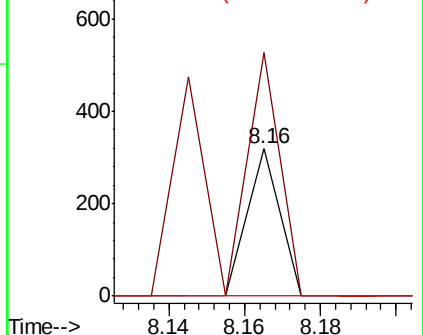
58 0.0 60.2 90.2#

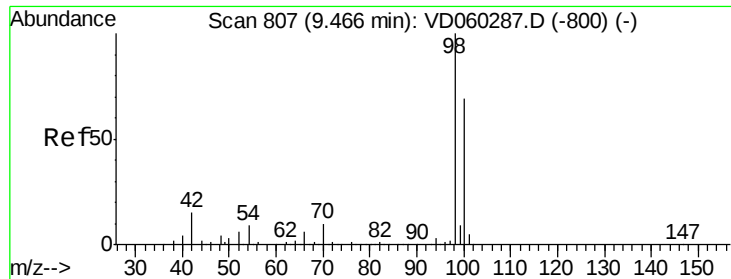


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

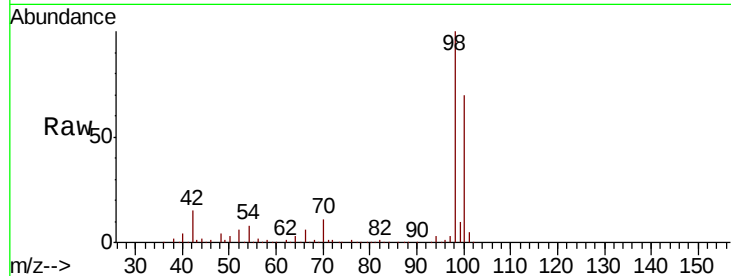




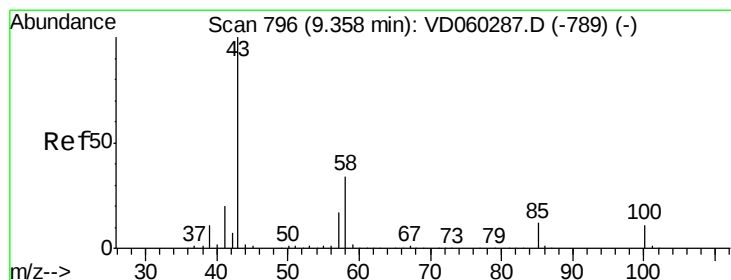
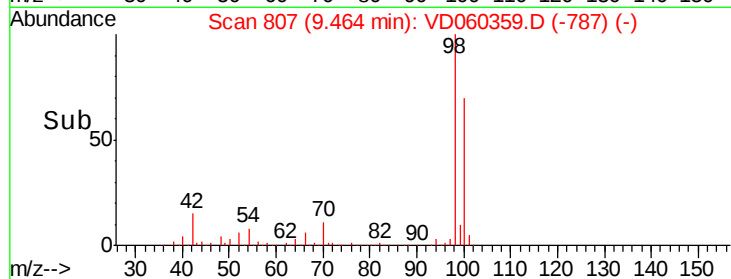
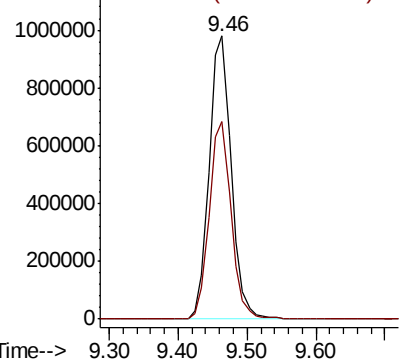
#50
Toluene-d8
Concen: 2.780 ug/l
RT: 9.46 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060359.D
Acq: 13 Nov 2018 14:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 2167180
Ion Ratio Lower Upper
98 100
100 69.9 55.2 82.8

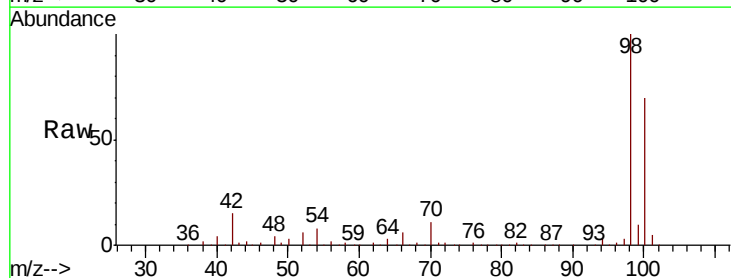


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

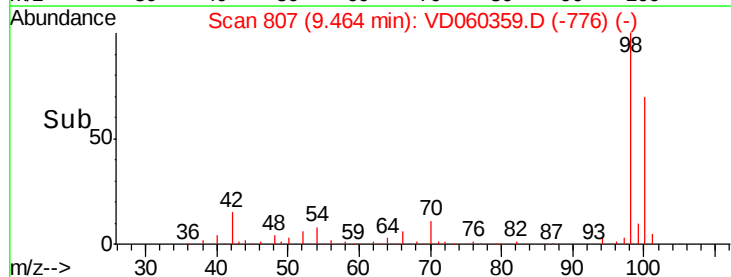
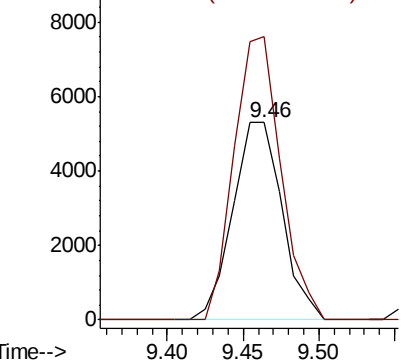


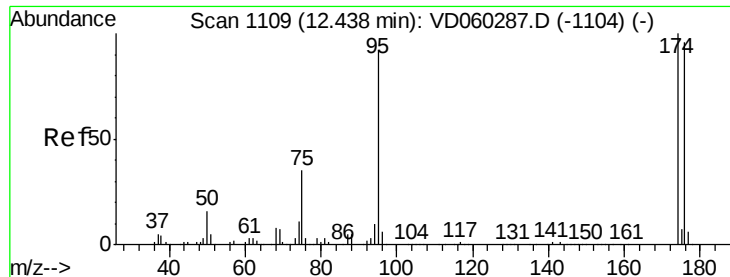
#51
4-Methyl-2-Pentanone
Concen: 1.447 ug/l
RT: 9.46 min Scan# 807
Delta R.T. 0.11 min
Lab File: VD060359.D
Acq: 13 Nov 2018 14:34

Tgt Ion: 43 Resp: 12121
Ion Ratio Lower Upper
43 100
58 143.4 26.1 39.1#



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

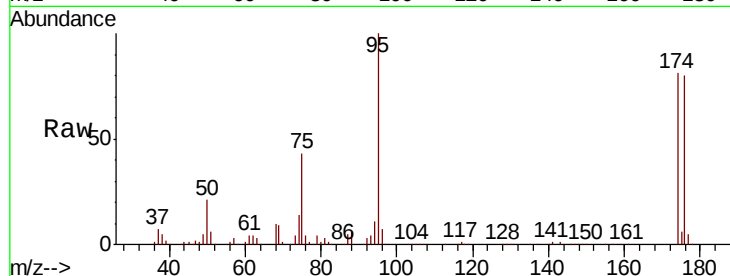




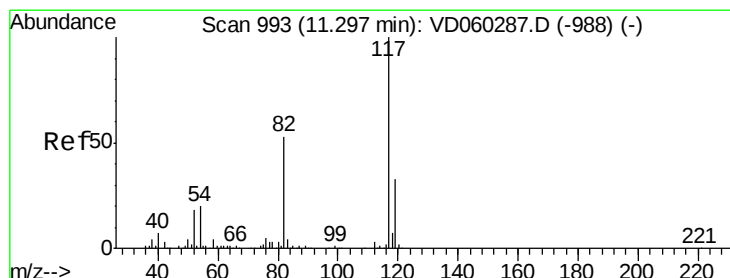
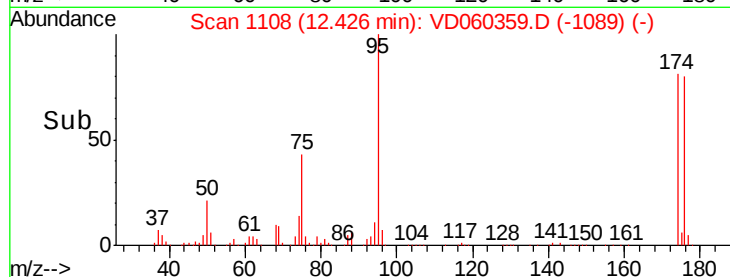
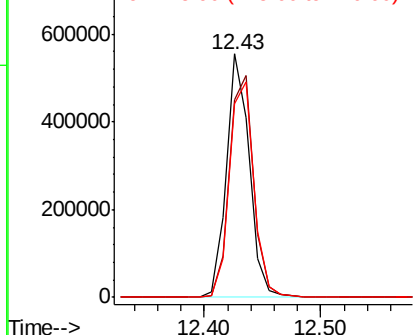
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060359.D
Acq: 13 Nov 2018 14:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 754841
Ion Ratio Lower Upper
95 100
174 81.1 0.0 160.8
176 79.8 0.0 154.6

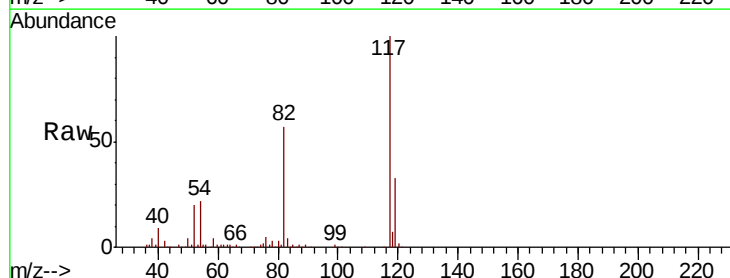


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

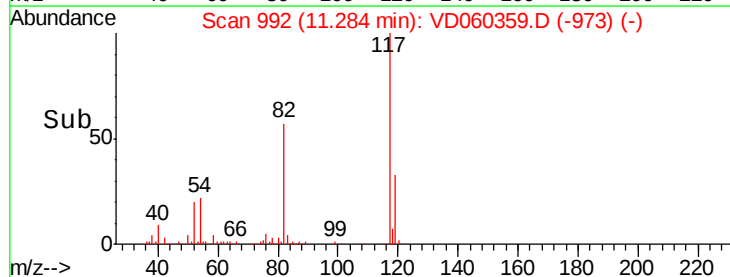
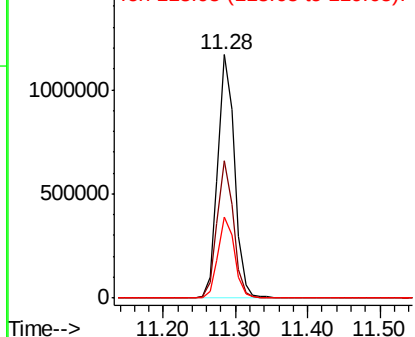


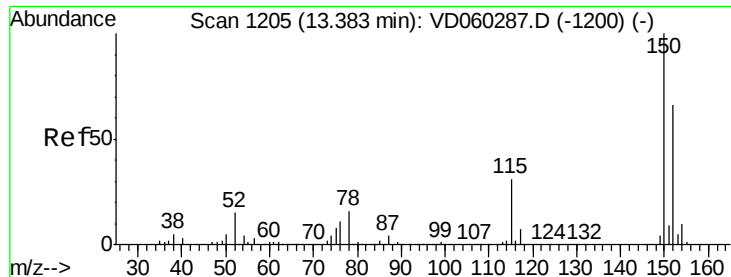
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060359.D
Acq: 13 Nov 2018 14:34

Tgt Ion: 117 Resp: 1860797
Ion Ratio Lower Upper
117 100
82 56.6 43.7 65.5
119 33.3 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



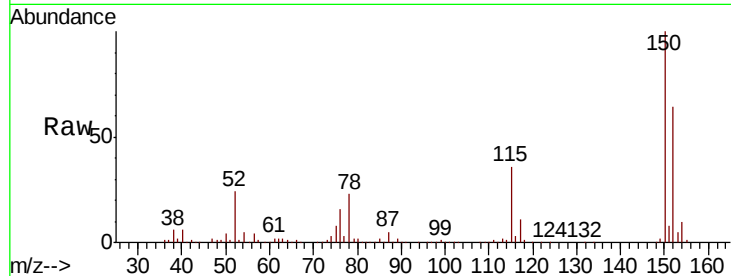


#72

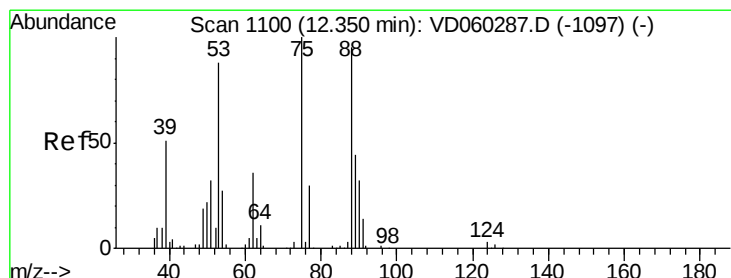
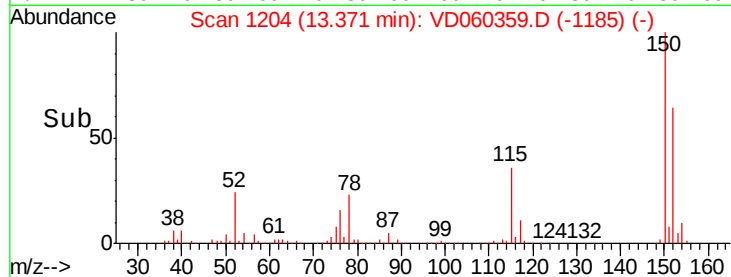
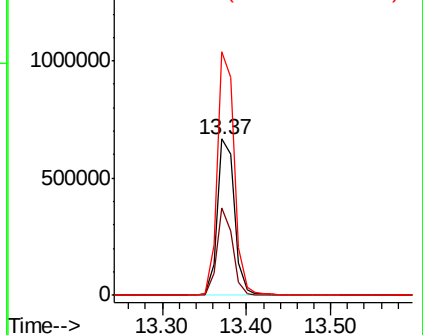
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060359.D
Acq: 13 Nov 2018 14:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 937870
Ion Ratio Lower Upper
152 100
115 56.2 24.1 72.3
150 156.1 0.0 310.6



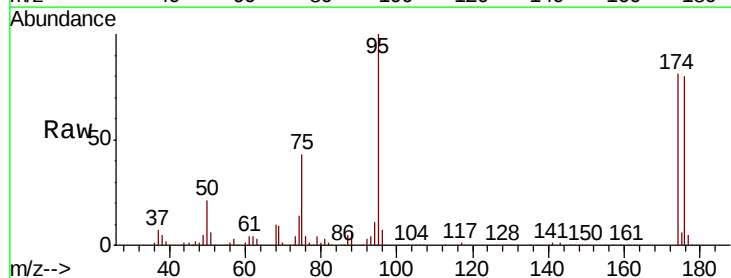
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 99.515 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.08 min
Lab File: VD060359.D
Acq: 13 Nov 2018 14:34

Tgt Ion: 75 Resp: 317856
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 34.1 51.1#



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

