

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031219\
 Data File : VD061033.D
 Acq On : 12 Mar 2019 19:23
 Operator : VA/AP
 Sample : K1824-19
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-4

Quant Time: Mar 13 04:09:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	183	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	1608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	1327	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount				50.000		
			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount				50.000		
			Recovery	=	0.00%	
50) Toluene-d8	10.39	98	760	222.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	445.68%	
62) 4-Bromofluorobenzene	13.55	95	1032	779.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	1559.72%	

Target Compounds

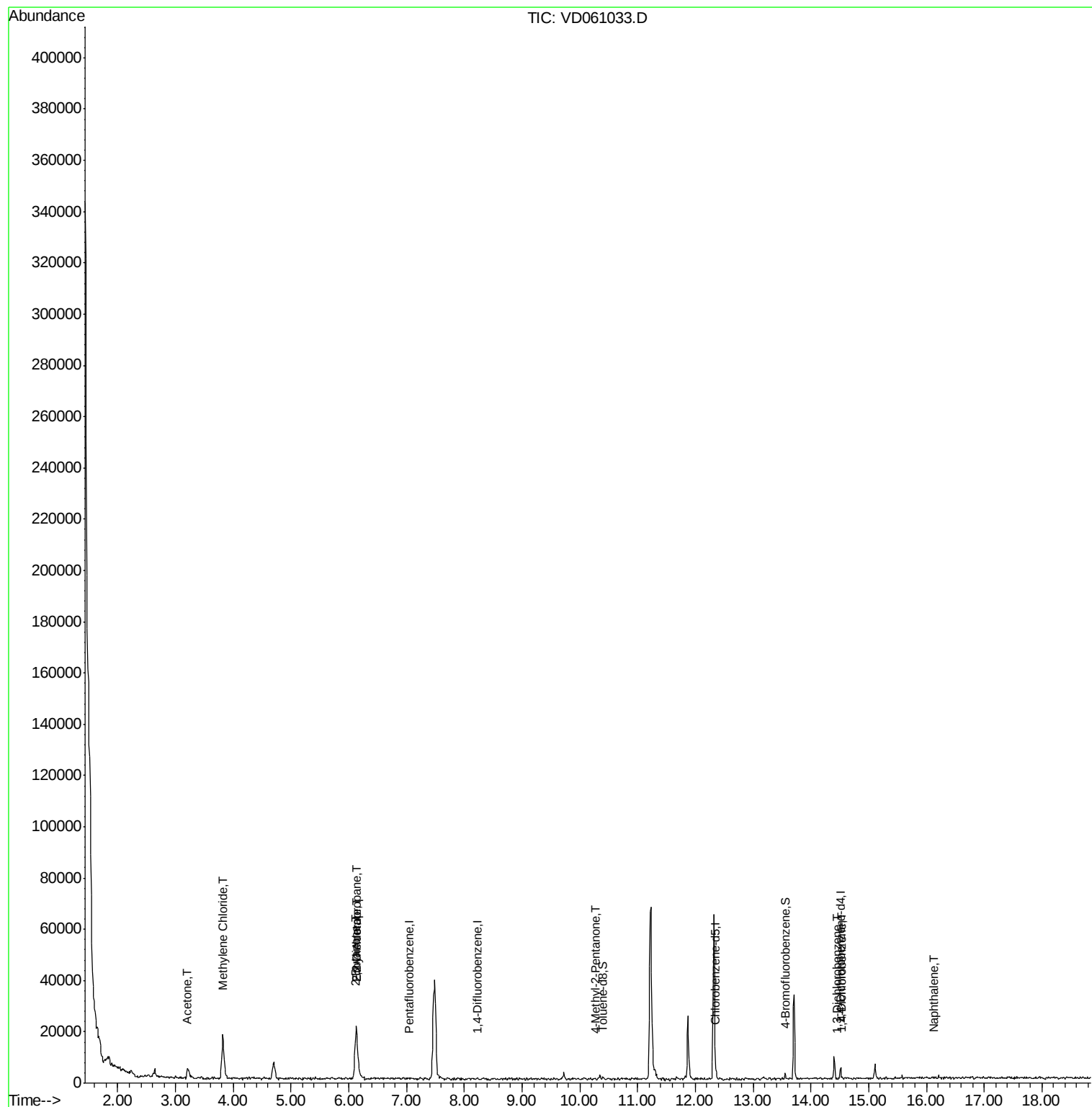
	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	8239	18914.533	ug/l	92
20) Methylene Chloride	3.82	84	12160	6747.168	ug/l	87
25) 2-Butanone	6.11	43	251	507.814	ug/l #	55
26) 2,2-Dichloropropane	6.12	77	1044	400.052	ug/l #	50
37) Ethyl Acetate	6.14	43	187	252.623	ug/l #	66
51) 4-Methyl-2-Pentanone	10.28	43	181	288.172	ug/l #	37
87) 1,3-Dichlorobenzene	14.45	146	194	4.450	ug/l #	25
88) 1,4-Dichlorobenzene	14.54	146	178	4.155	ug/l #	25
95) Naphthalene	16.12	128	231	9.017	ug/l #	70

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061033.D

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MSVOA_D

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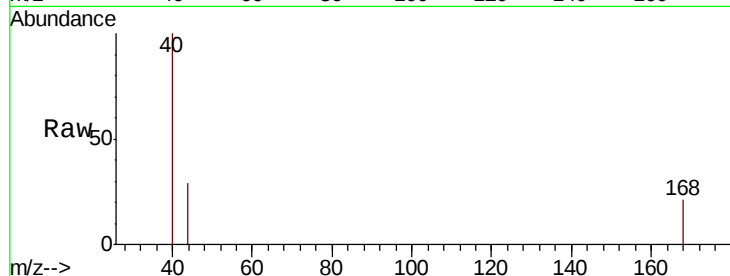
P-4

Tgt Ion:168 Resp: 183

Ion Ratio Lower Upper

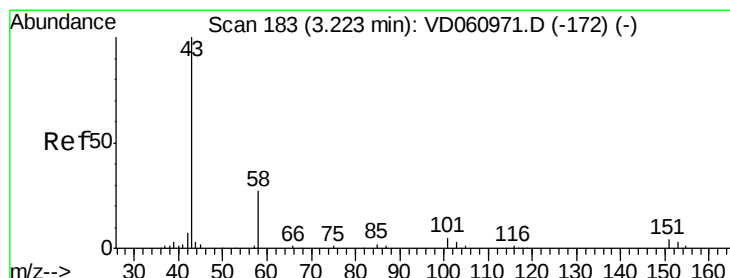
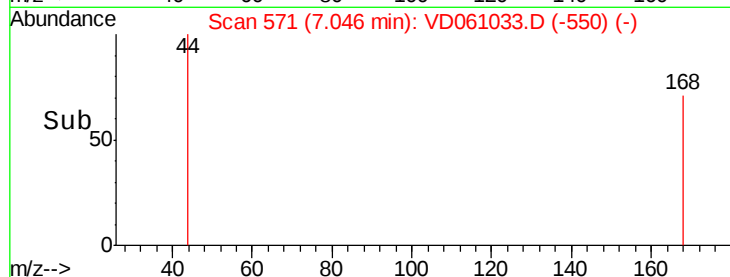
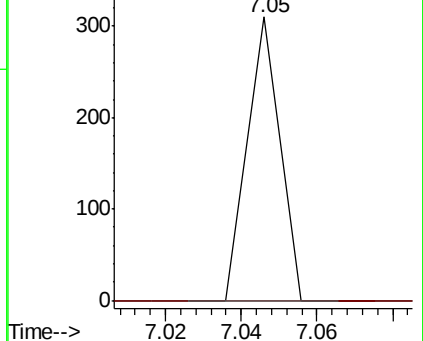
168 100

99 0.0 47.3 70.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 18914.533 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD061033.D

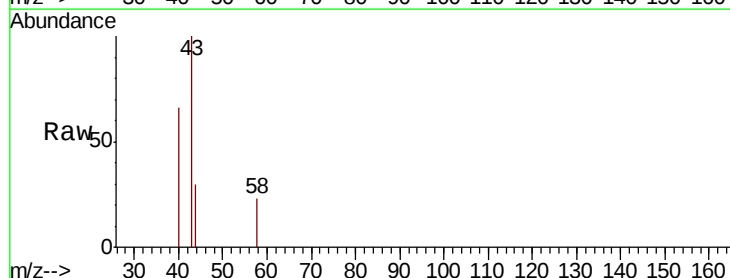
Acq: 12 Mar 2019 19:23

Tgt Ion: 43 Resp: 8239

Ion Ratio Lower Upper

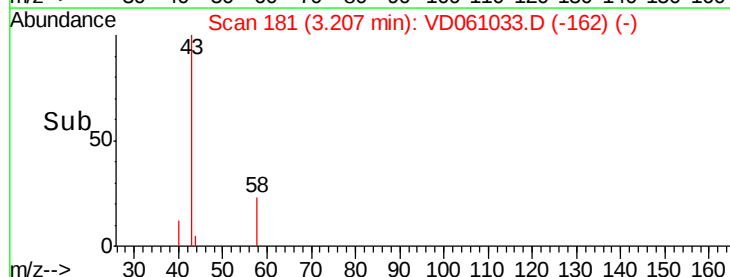
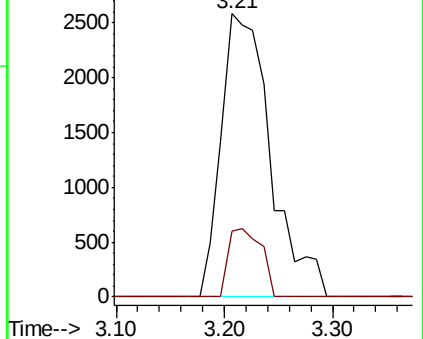
43 100

58 23.1 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

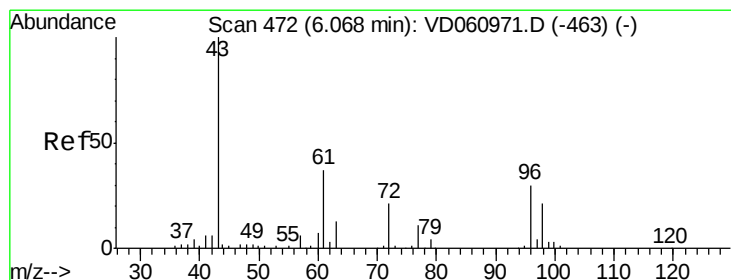
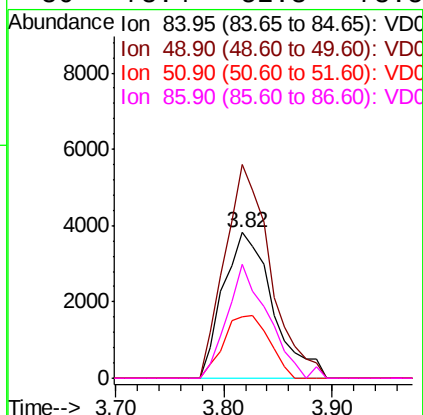
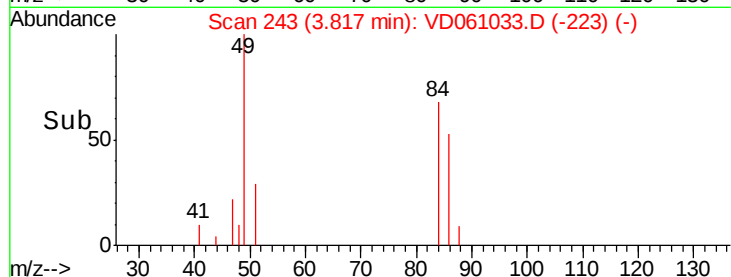
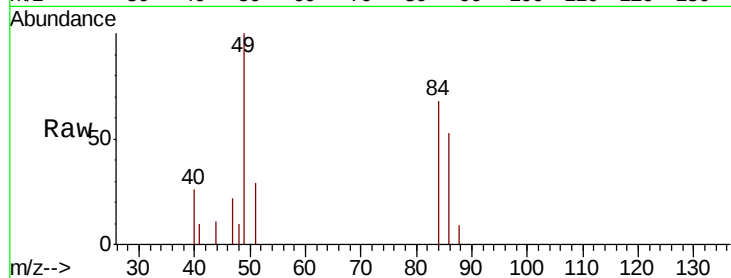




#20
Methylene Chloride
Concen: 6747.168 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061033.D
Acq: 12 Mar 2019 19:23

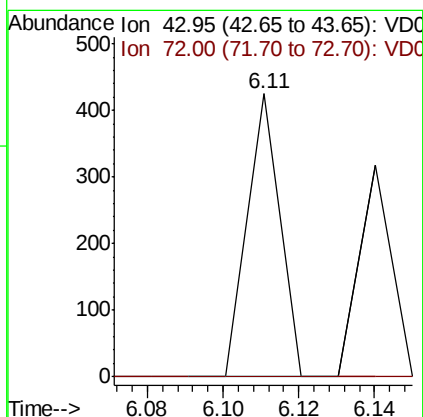
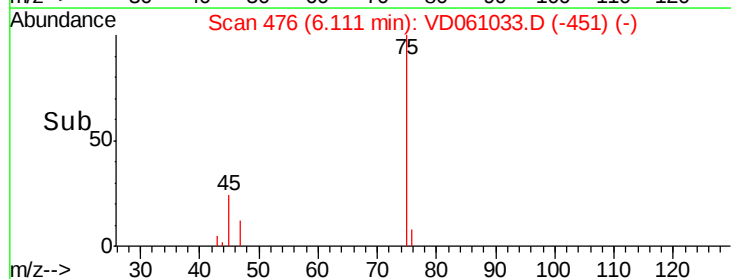
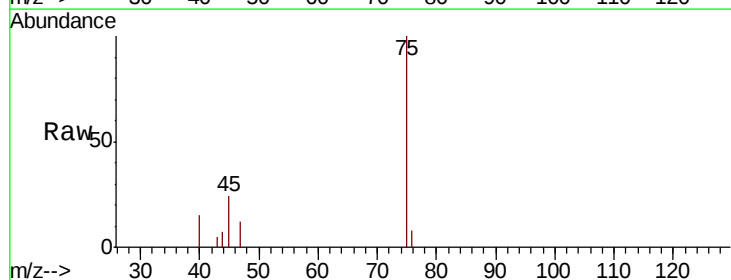
Instrument :
MSVOA_D
ClientSampleId :
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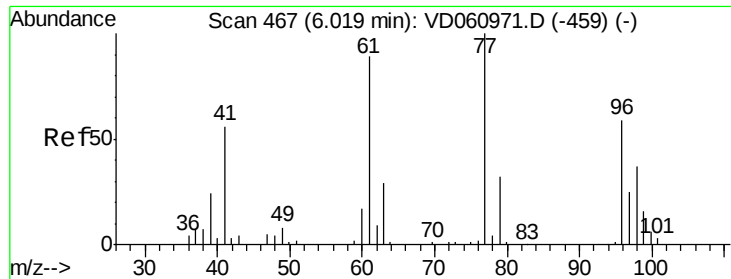
Tgt Ion:	84	Resp:	12160
Ion	Ratio	Lower	Upper
84	100		
49	146.5	104.2	156.2
51	42.0	32.3	48.5
86	78.4	52.3	78.5



#25
2-Butanone
Concen: 507.814 ug/l
RT: 6.11 min Scan# 476
Delta R.T. 0.04 min
Lab File: VD061033.D
Acq: 12 Mar 2019 19:23

Tgt Ion:	43	Resp:	251
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.7	25.1#

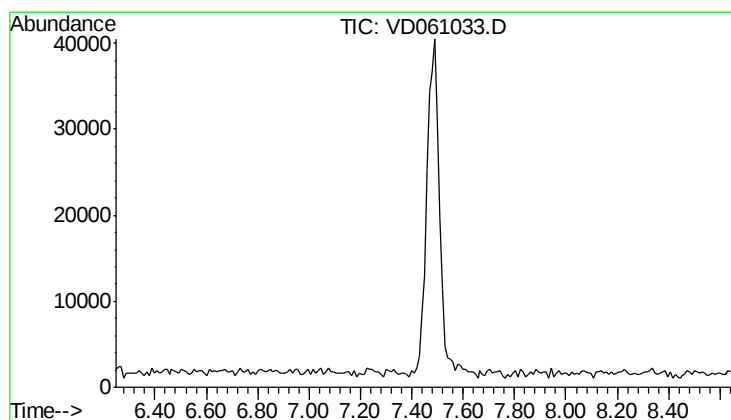
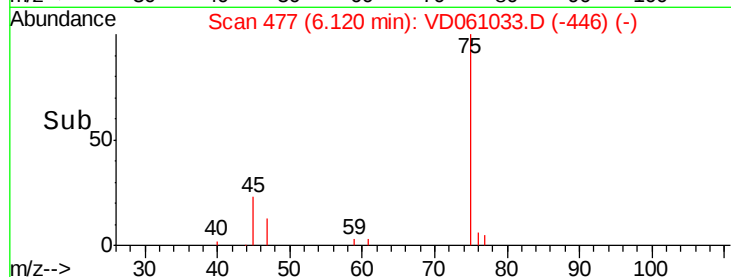
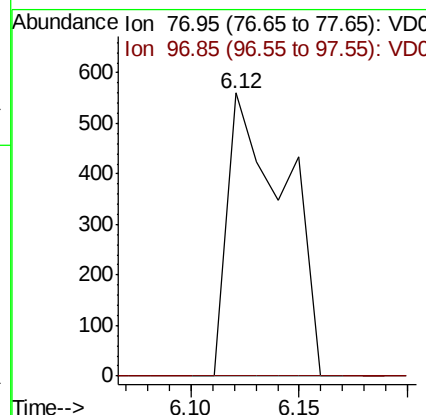
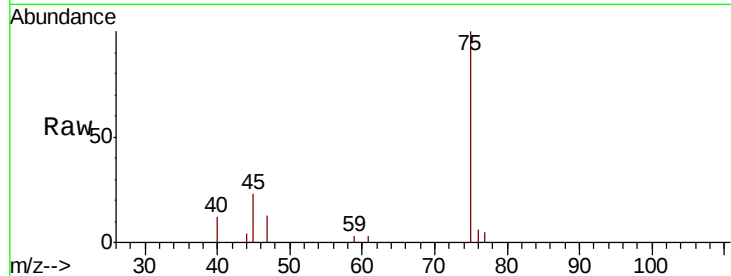




#26
 2,2-Dichloropropane
 Concen: 400.052 ug/l
 RT: 6.12 min Scan# 477
 Delta R.T. 0.10 min
 Lab File: VD061033.D
 Acq: 12 Mar 2019 19:23

Instrument :
 MSVOA_D
 ClientSampleId :
 P-4

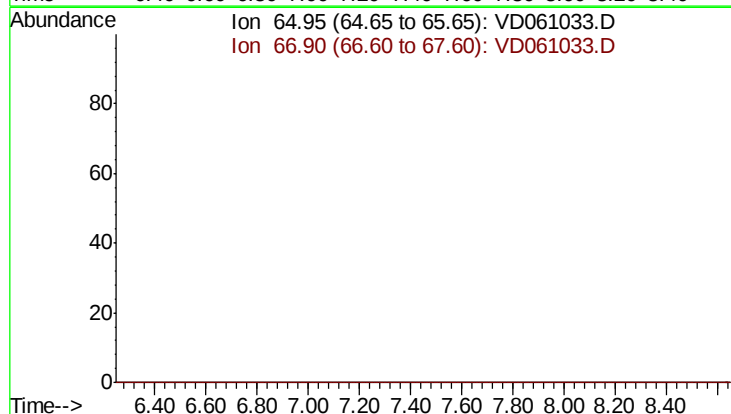
Tgt Ion: 77 Resp: 1044
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.6 37.6#

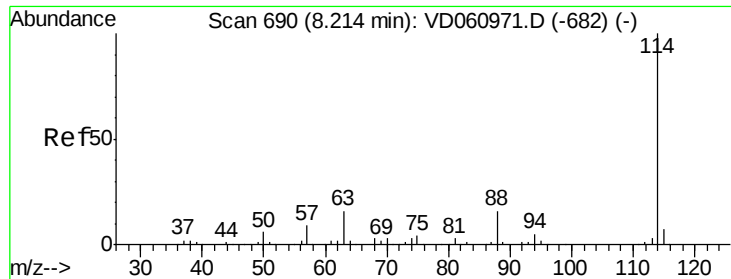


#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 Expected RT: 7.45 min

Lab File: VD061033.D
 Acq: 12 Mar 2019 19:23

Tgt Ion: 65
 Sig Exp Ratio
 65 100
 67 52.6

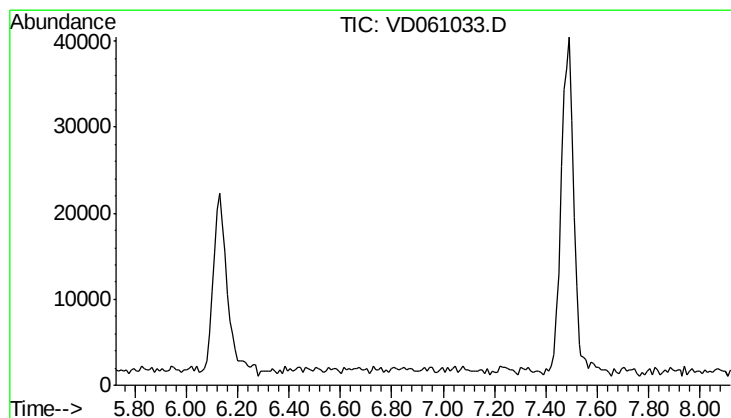
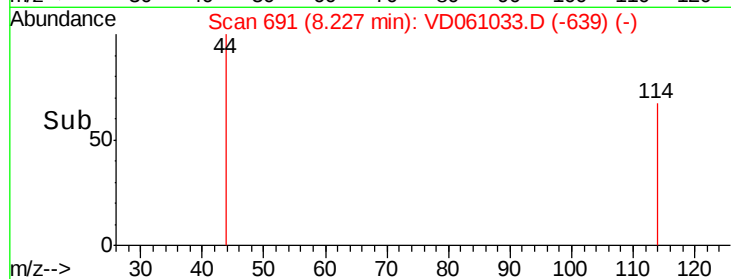
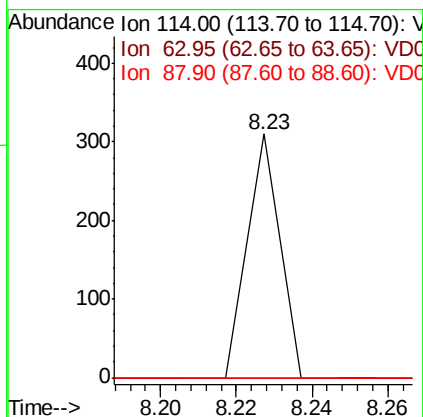
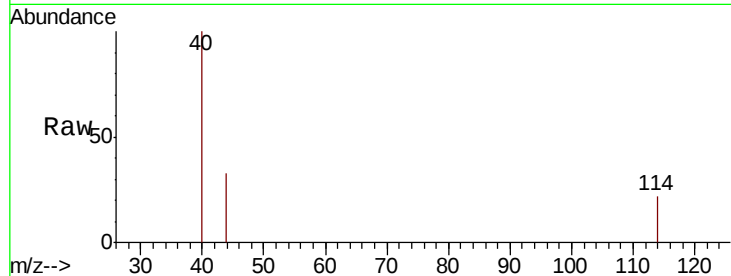




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061033.D
 Acq: 12 Mar 2019 19:23

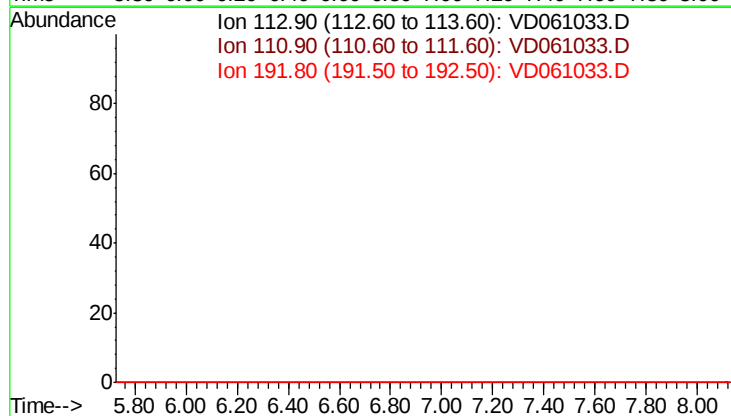
Instrument :
 MSVOA_D
 ClientSampleId :
 P-4

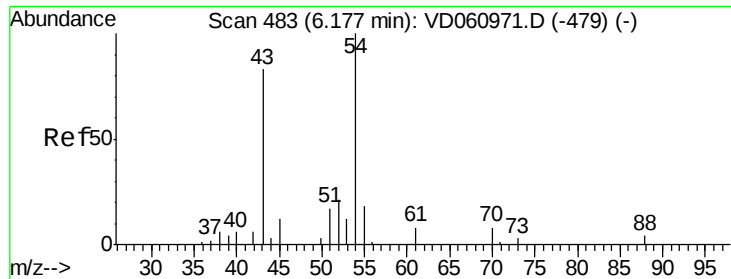
Tgt Ion: 114 Resp: 183
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 31.4
 88 0.0 0.0 33.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 Expected RT: 6.92 min
 Lab File: VD061033.D
 Acq: 12 Mar 2019 19:23

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 105.3
 192 16.4

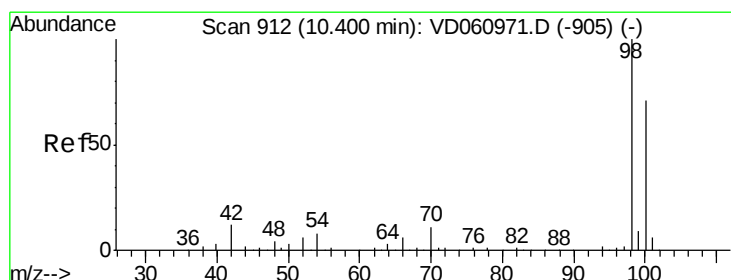
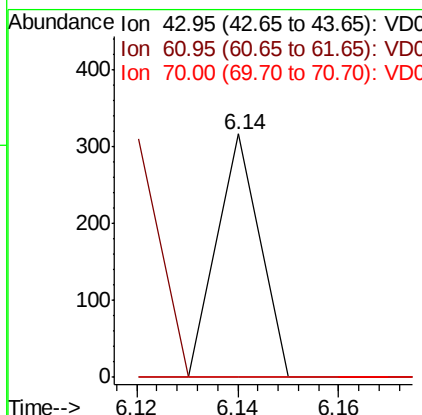
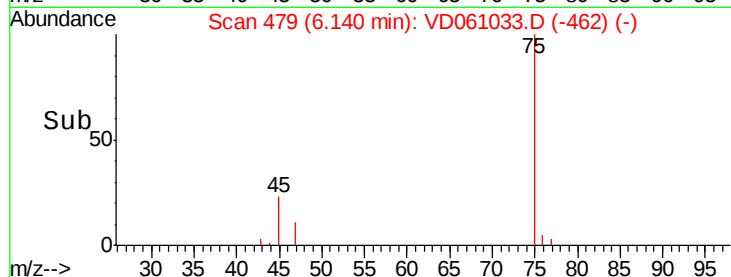
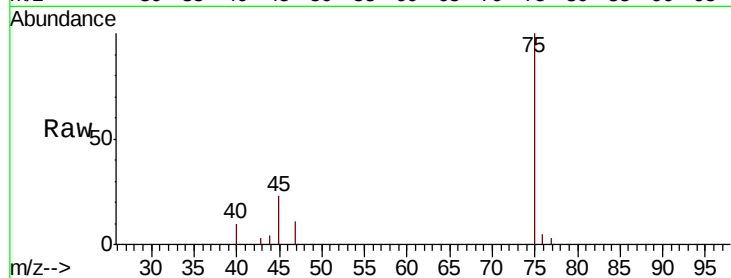




#37
 Ethyl Acetate
 Concen: 252.623 ug/l
 RT: 6.14 min Scan# 479
 Delta R.T. -0.04 min
 Lab File: VD061033.D
 Acq: 12 Mar 2019 19:23

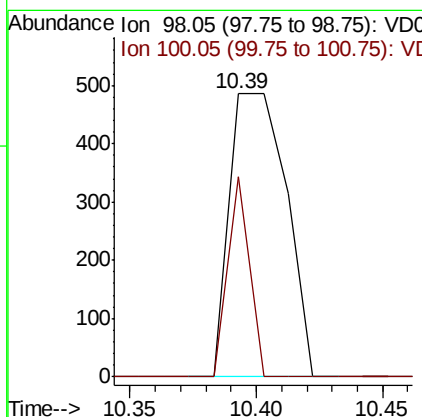
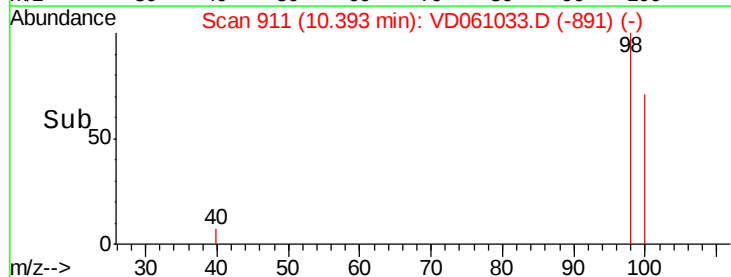
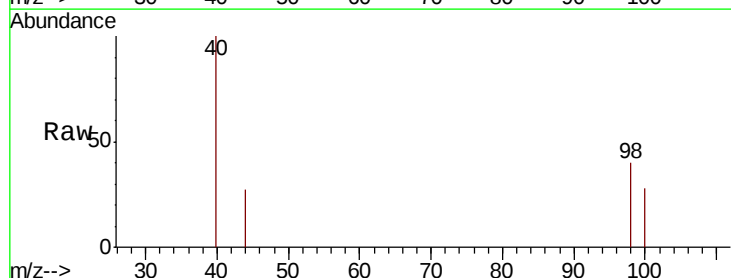
Instrument :
 MSVOA_D
 ClientSampleId :
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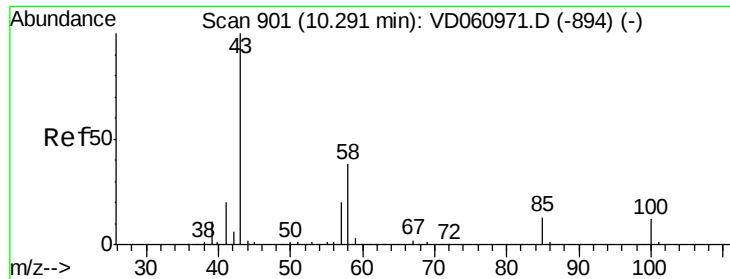
Tgt Ion: 43 Resp: 187
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.7 20.5#
 70 0.0 7.1 10.7#



#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 10.39 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VD061033.D
 Acq: 12 Mar 2019 19:23

Tgt Ion: 98 Resp: 760
 Ion Ratio Lower Upper
 98 100
 100 70.8 57.4 86.2

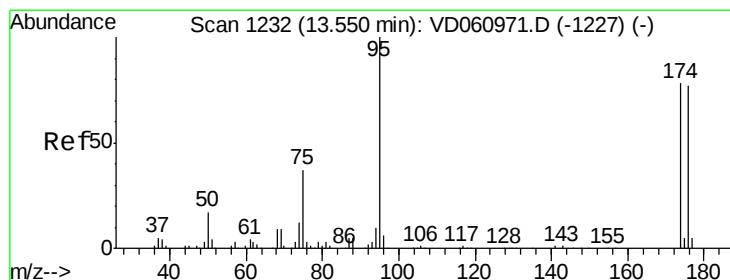
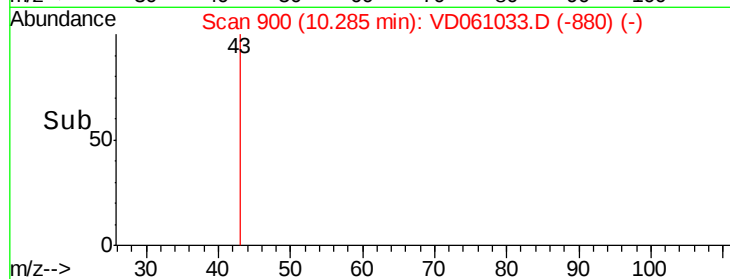
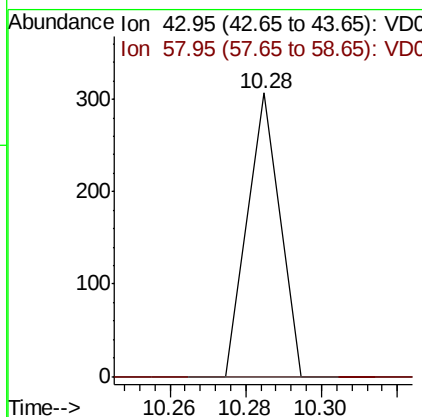
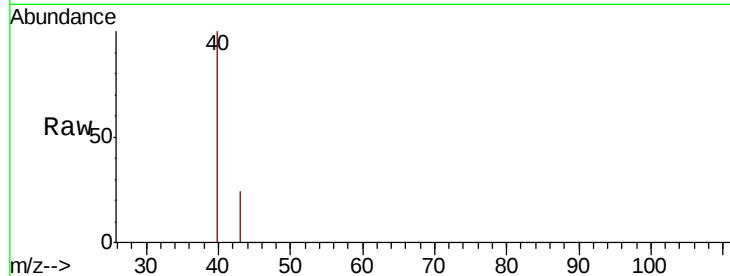




#51
 4-Methyl-2-Pentanone
 Concen: 288.172 ug/l
 RT: 10.28 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD061033.D
 Acq: 12 Mar 2019 19:23

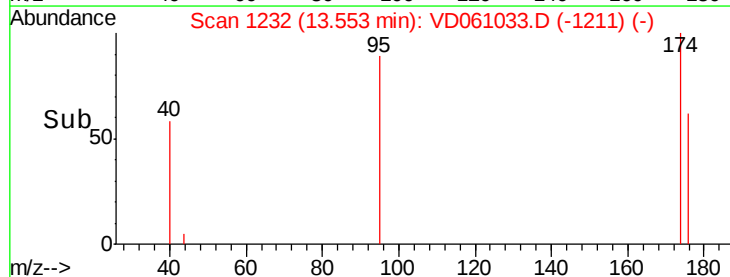
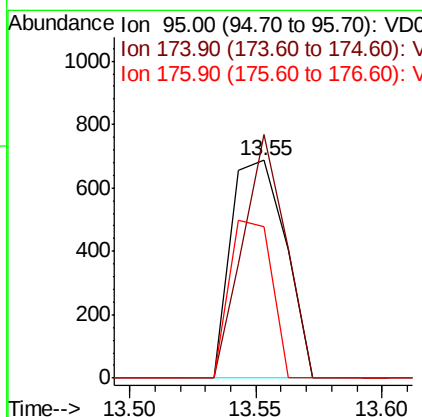
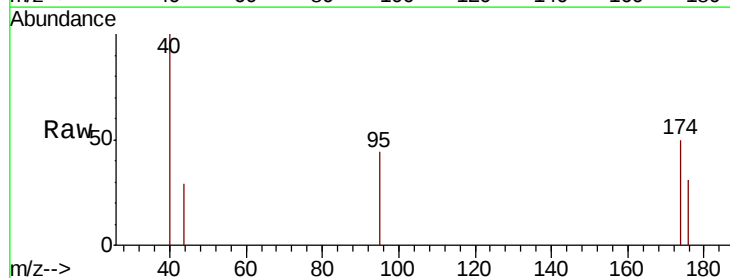
Instrument :
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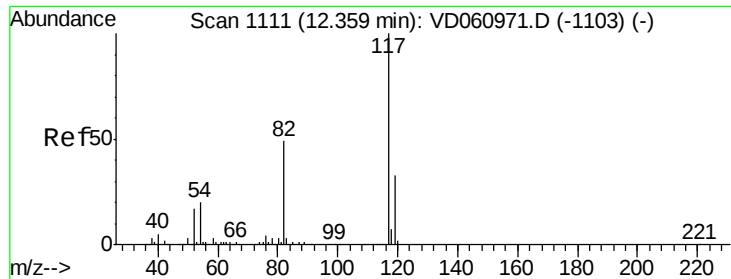
Tgt Ion: 43 Resp: 181
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.2 45.2#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061033.D
 Acq: 12 Mar 2019 19:23

Tgt Ion: 95 Resp: 1032
 Ion Ratio Lower Upper
 95 100
 174 111.8 0.0 155.6
 176 69.3 0.0 153.8

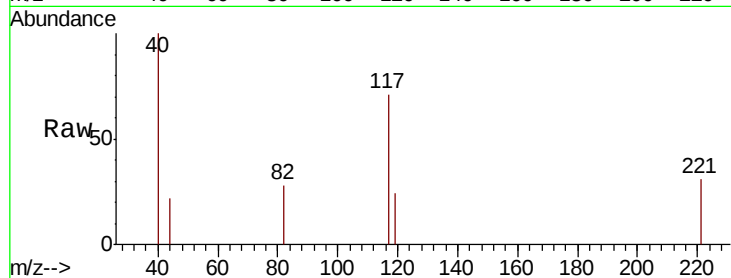




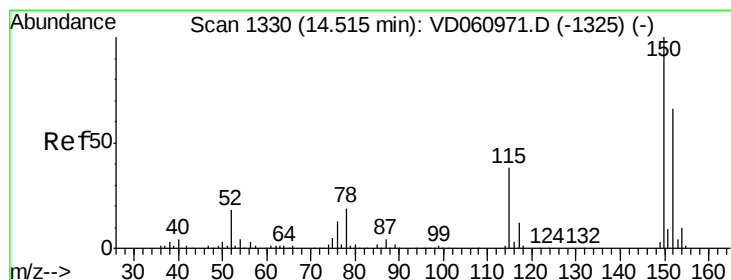
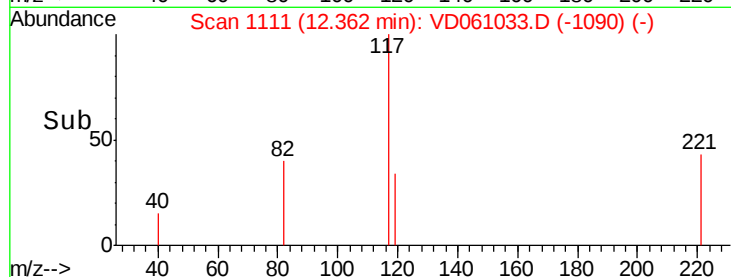
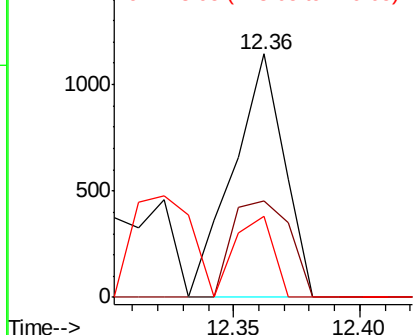
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061033.D
Acq: 12 Mar 2019 19:23

Instrument :
MSVOA_D
ClientSampled :
P-4

Tgt Ion:117 Resp: 1608
Ion Ratio Lower Upper
117 100
82 39.7 38.9 58.3
119 33.6 26.6 39.8

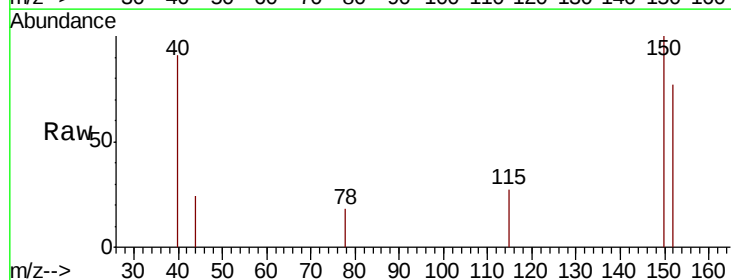


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

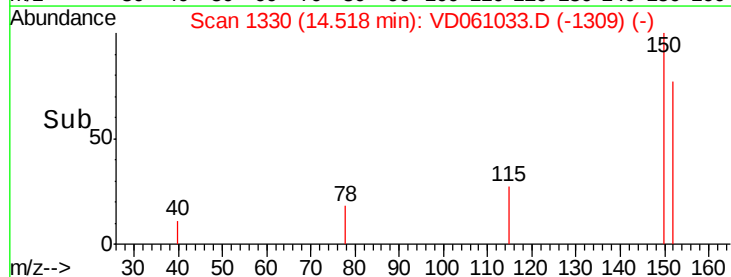
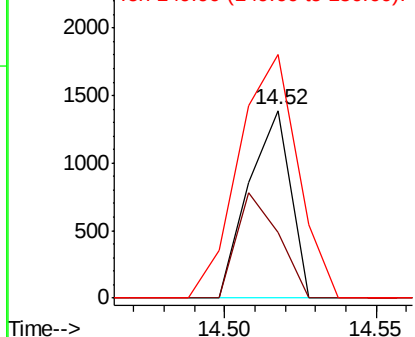


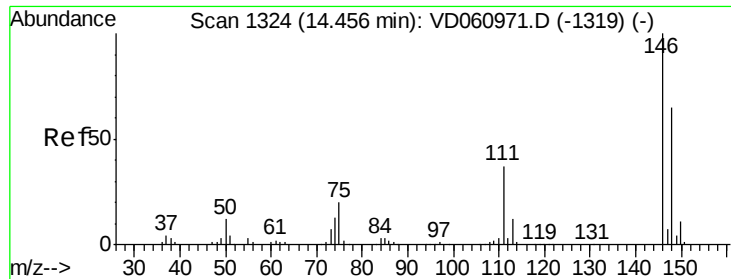
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061033.D
Acq: 12 Mar 2019 19:23

Tgt Ion:152 Resp: 1327
Ion Ratio Lower Upper
152 100
115 35.0 28.6 85.9
150 129.6 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

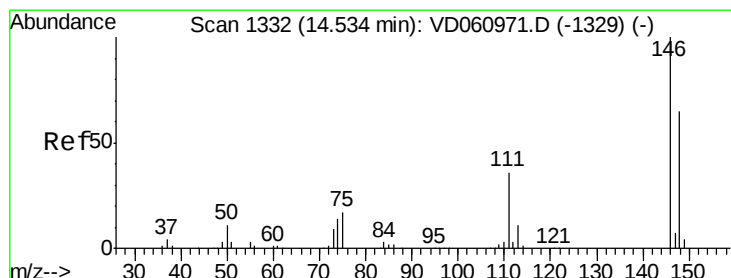
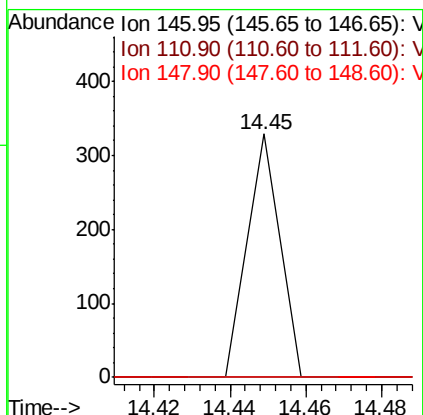
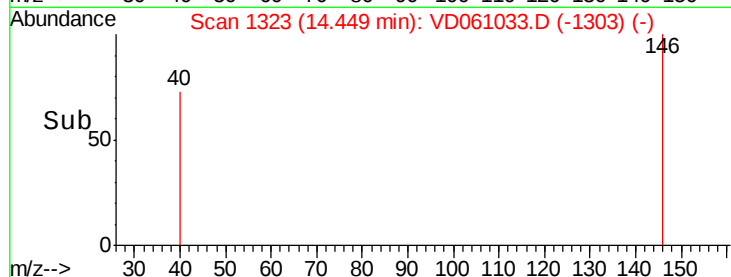
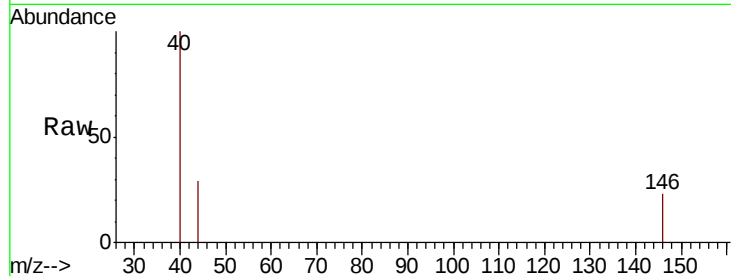




#87
 1,3-Dichlorobenzene
 Concen: 4.450 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061033.D
 Acq: 12 Mar 2019 19:23

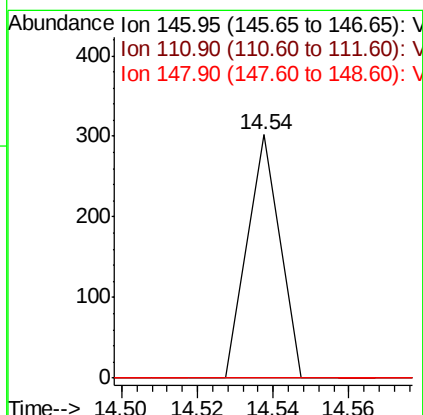
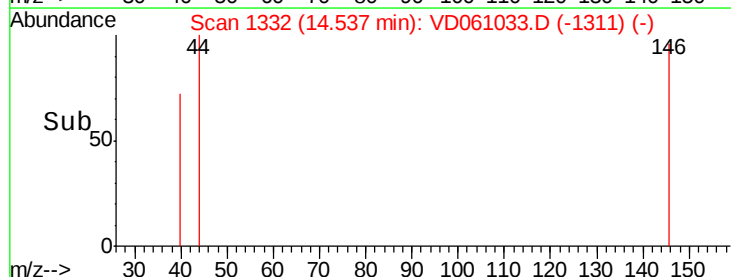
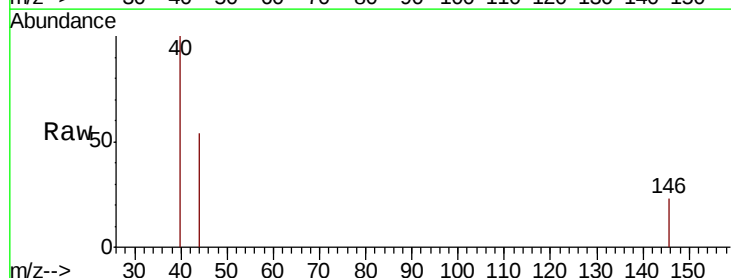
Instrument :
 MSVOA_D
 ClientSampleId :
 P-4

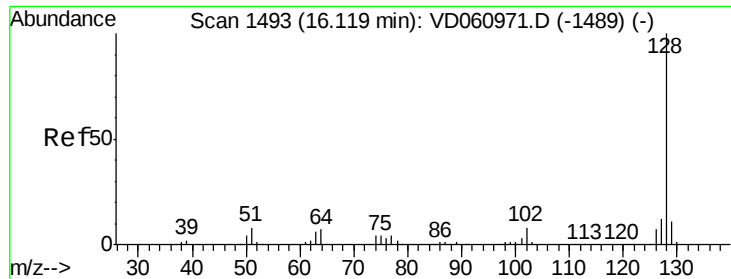
Tgt Ion:146 Resp: 194
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.4 55.4#
 148 0.0 32.5 97.4#



#88
 1,4-Dichlorobenzene
 Concen: 4.155 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061033.D
 Acq: 12 Mar 2019 19:23

Tgt Ion:146 Resp: 178
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.4 55.2#
 148 0.0 32.5 97.5#

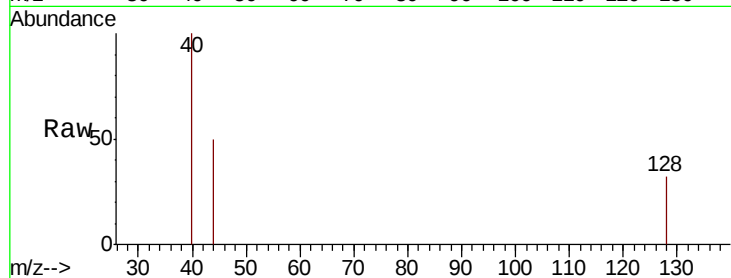




#95
Naphthalene
Concen: 9.017 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061033.D
Acq: 12 Mar 2019 19:23

Instrument :
MSVOA_D
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.8	14.8#
129	0.0	8.5	12.7#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

