

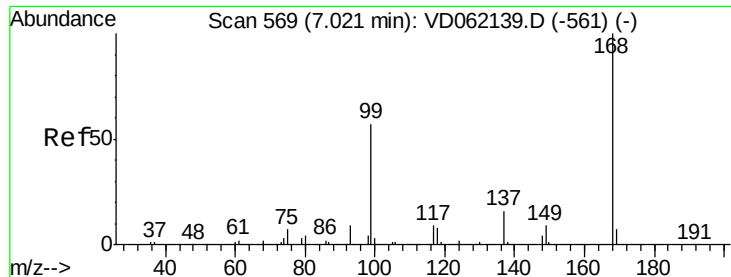
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062393.D
 Acq On : 15 May 2019 17:33
 Operator : FY/SY
 Sample : K2822-01
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 16 03:58:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	660350	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	907117	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	729636	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	304427	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	277166	45.17	ug/l	0.03
Spiked Amount 50.000			Recovery	=	90.34%	
35) Dibromofluoromethane	6.94	113	329654	43.80	ug/l	0.04
Spiked Amount 50.000			Recovery	=	87.60%	
50) Toluene-d8	10.41	98	626790	34.54	ug/l	0.01
Spiked Amount 50.000			Recovery	=	69.08%	
62) 4-Bromofluorobenzene	13.56	95	250555	34.38	ug/l	0.01
Spiked Amount 50.000			Recovery	=	68.76%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	2336	1.815	ug/l #	50
18) Methyl Acetate	3.49	43	599	Below Cal	#	53
20) Methylene Chloride	3.82	84	8323	1.549	ug/l	86
31) Cyclohexane	7.05	56	13243	2.057	ug/l #	18
36) 1,1-Dichloropropene	7.05	75	53311	7.168	ug/l #	49
38) Carbon Tetrachloride	7.06	117	68182	6.623	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	4025	1.400	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	104584	28.908	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	110324	108.018	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062393.D

Acq: 15 May 2019 17:33

Instrument :

MSVOA_D

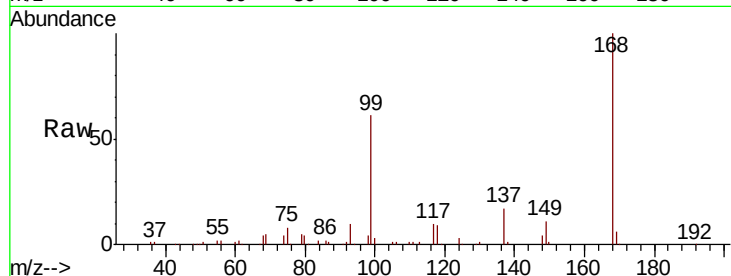
ClientSampleId :

Tot Ion:168 Resp: 660350

Ion Ratio Lower Upper

168 100

99 60.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

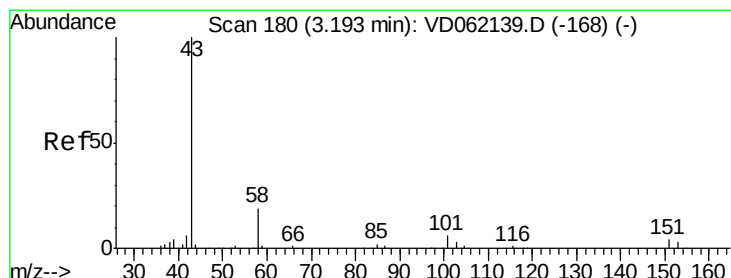
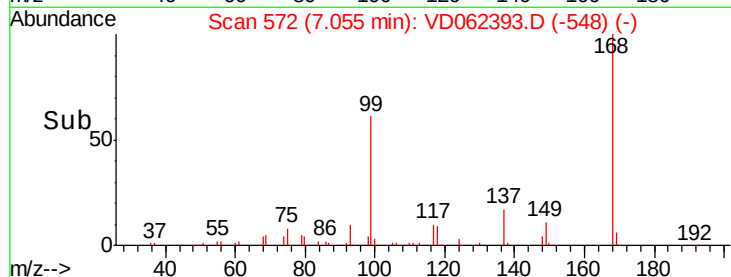
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 1.815 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD062393.D

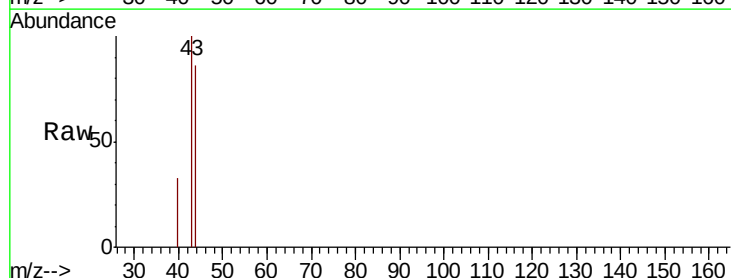
Acq: 15 May 2019 17:33

Tgt Ion: 43 Resp: 2336

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

1200

1000

800

600

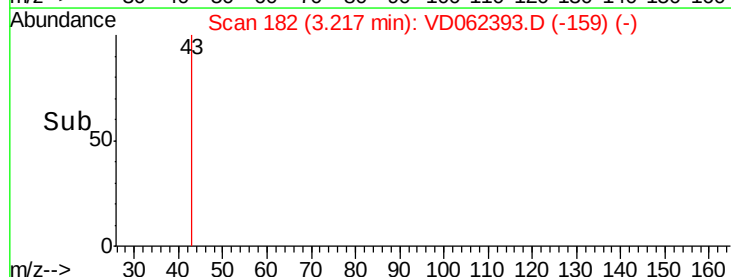
400

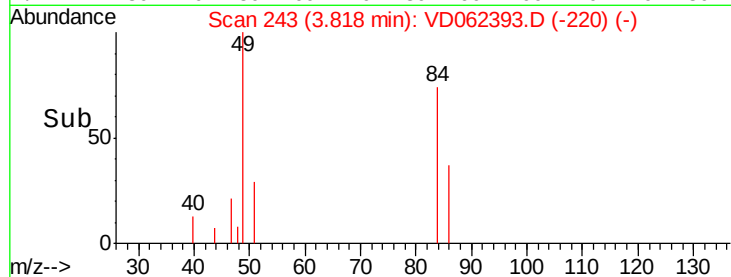
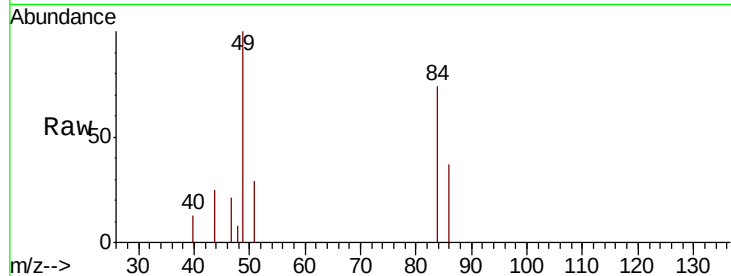
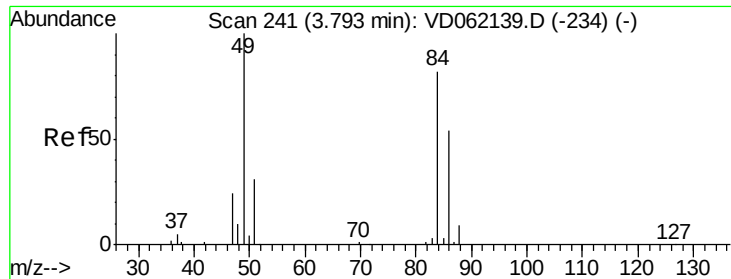
200

0

Time-->

3.15 3.20 3.25 3.30

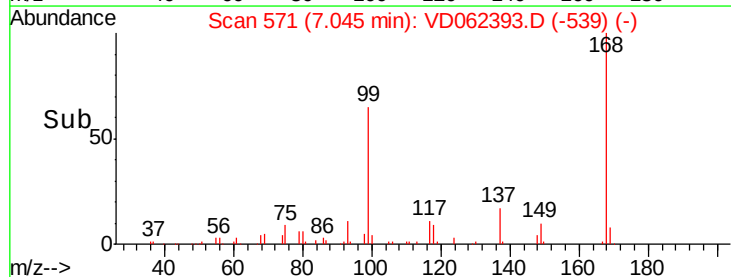
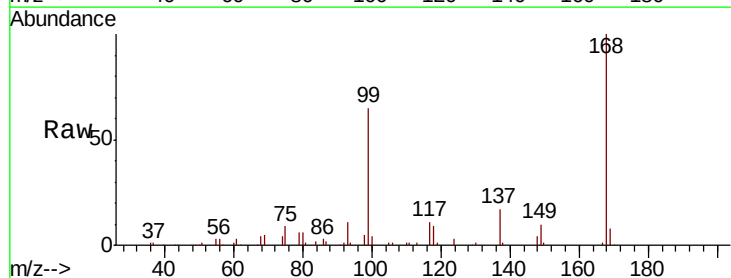
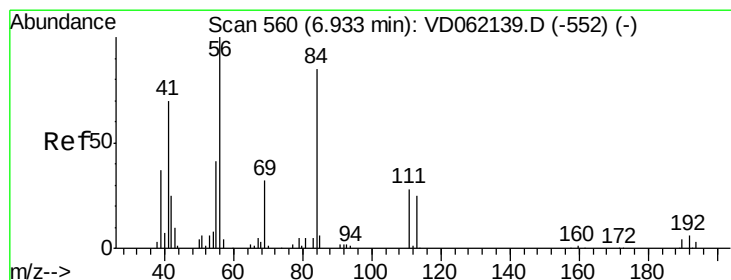
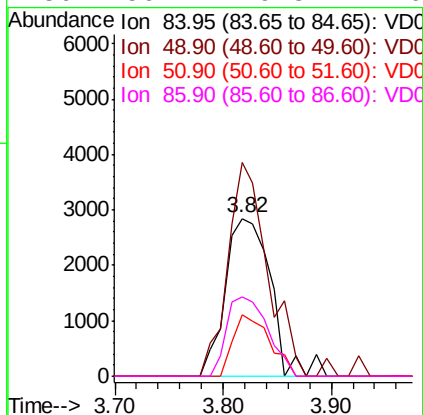




#20
Methylene Chloride
Concen: 1.549 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062393.D
Acq: 15 May 2019 17:33

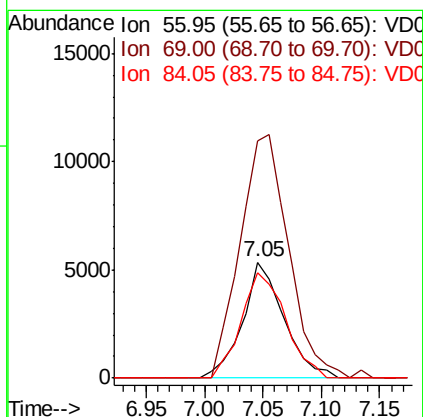
Instrument :
MSVOA_D
ClientSampleId :

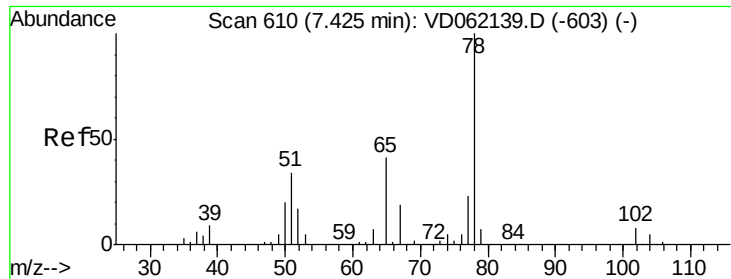
Tot Ion: 84 Resp: 8323
Ion Ratio Lower Upper
84 100
49 135.2 94.0 141.0
51 38.6 29.0 43.4
86 50.2 49.8 74.6



#31
Cyclohexane
Concen: 2.057 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD062393.D
Acq: 15 May 2019 17:33

Tgt Ion: 56 Resp: 13243
Ion Ratio Lower Upper
56 100
69 204.6 25.8 38.6#
84 91.0 72.2 108.4

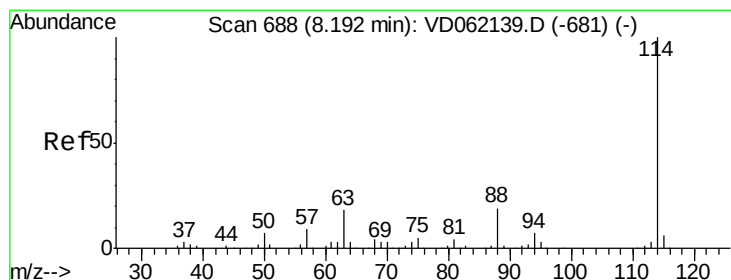
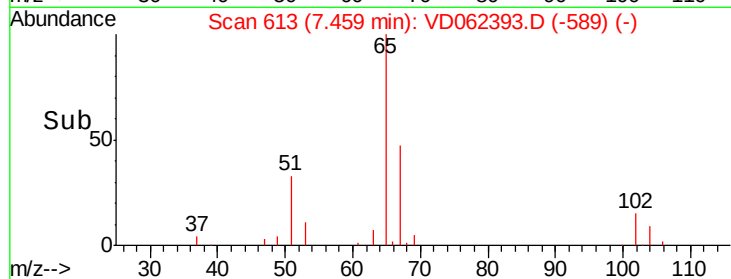
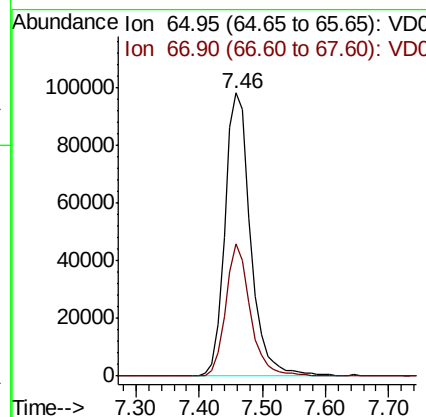
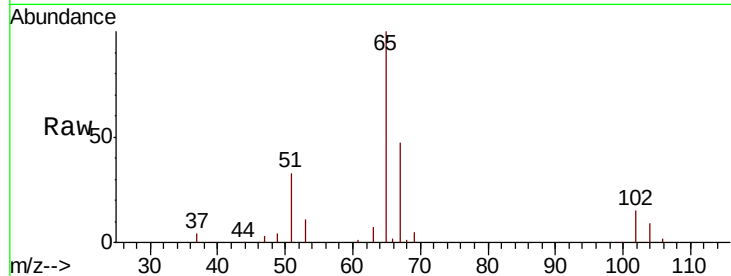




#33
 1,2-Dichloroethane-d4
 Concen: 45.165 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.03 min
 Lab File: VD062393.D
 Acq: 15 May 2019 17:33

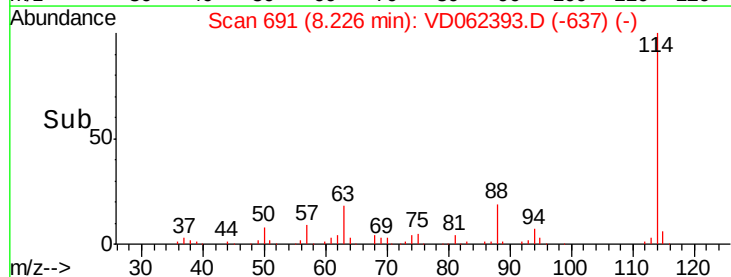
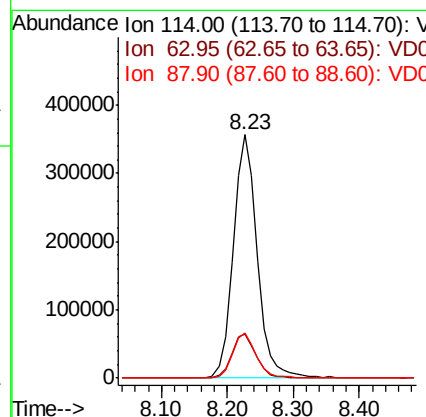
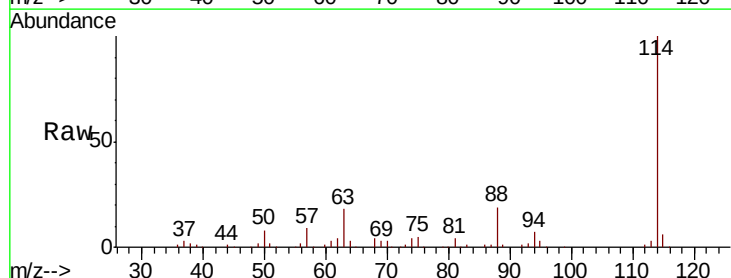
Instrument :
 MSVOA_D
 ClientSampled :

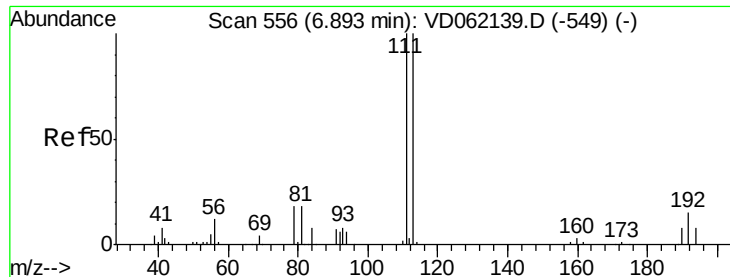
Tot Ion: 65 Resp: 277166
 Ion Ratio Lower Upper
 65 100
 67 46.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062393.D
 Acq: 15 May 2019 17:33

Tgt Ion: 114 Resp: 907117
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 32.4
 88 18.5 0.0 33.6

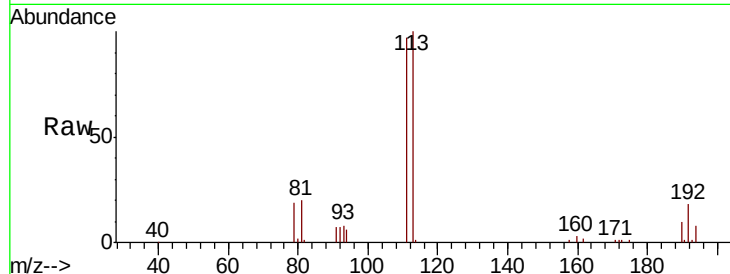




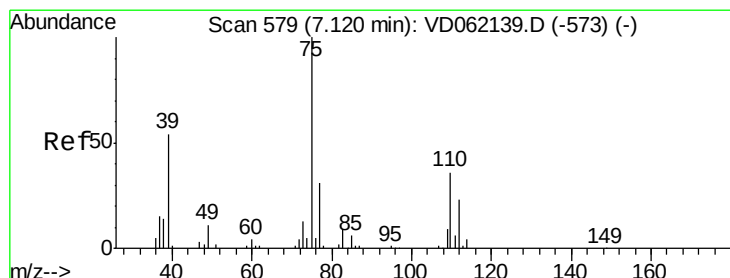
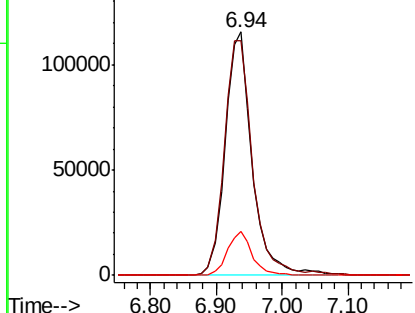
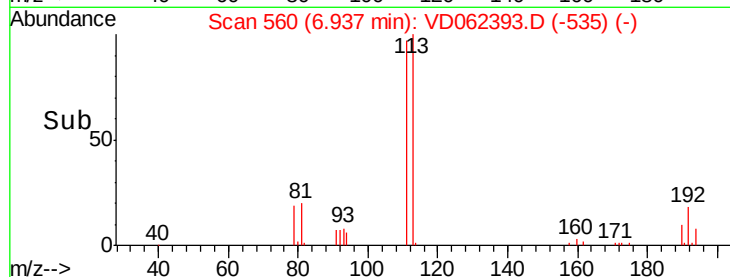
#35
 Dibromofluoromethane
 Concen: 43.799 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD062393.D
 Acq: 15 May 2019 17:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	96.5	78.5	117.7
192	17.9	13.0	19.4

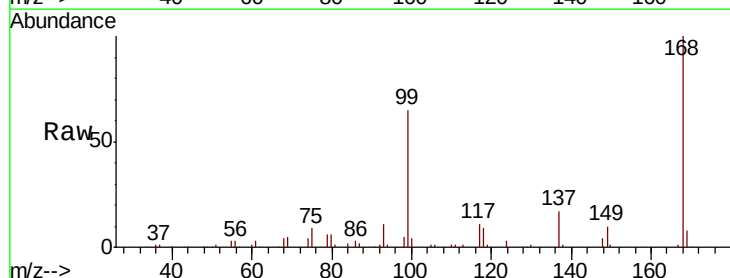


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

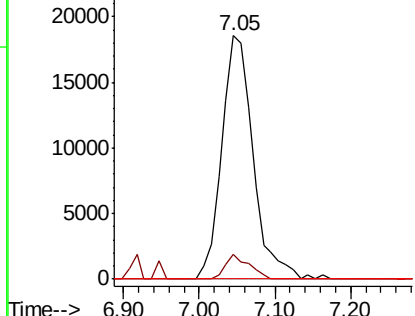
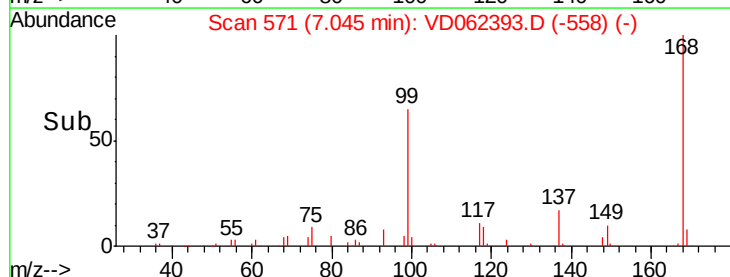


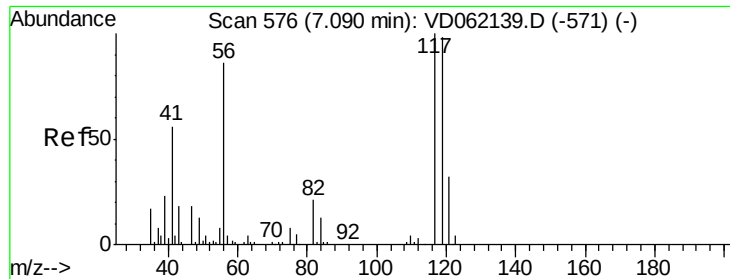
#36
 1,1-Dichloropropene
 Concen: 7.168 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD062393.D
 Acq: 15 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	19.1	57.1#
77	0.0	25.6	38.4#



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

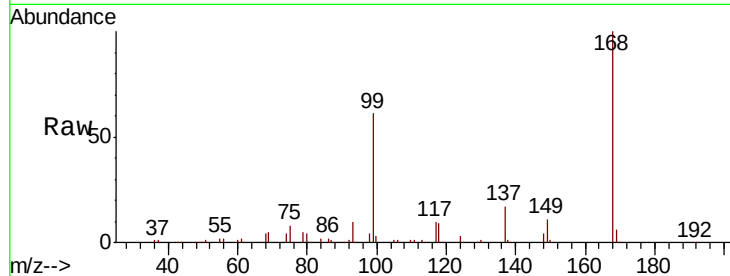




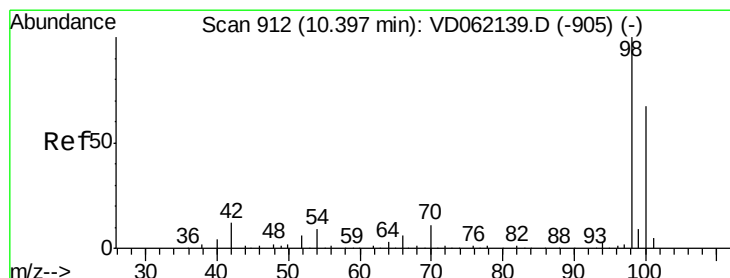
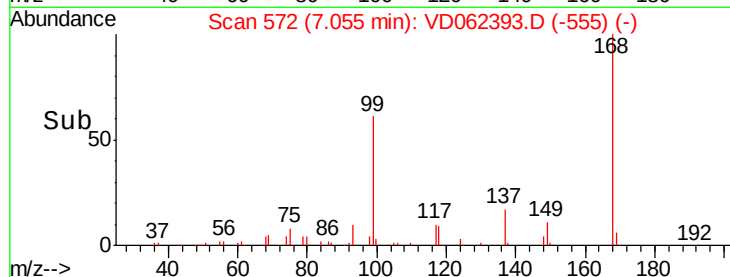
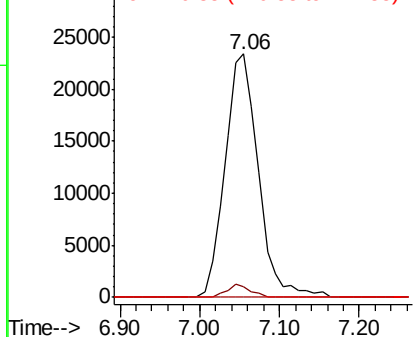
#38
Carbon Tetrachloride
Concen: 6.623 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.03 min
Lab File: VD062393.D
Acq: 15 May 2019 17:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 68182
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.8#
121 0.0 25.9 38.9#

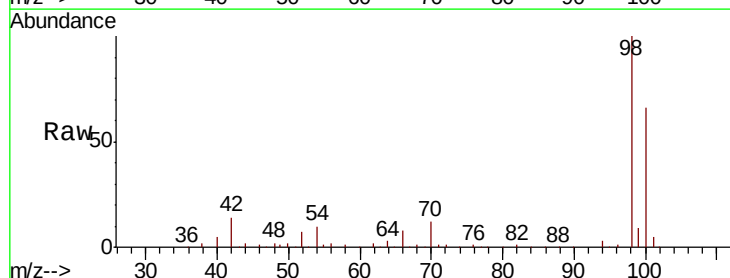


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

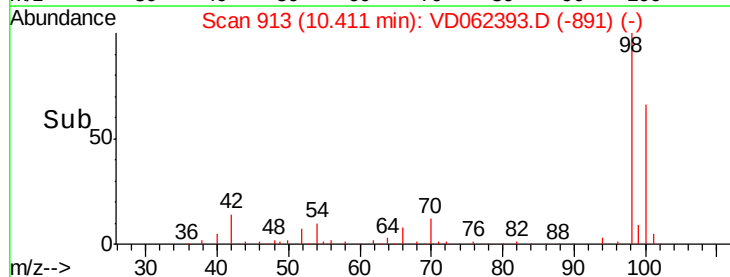
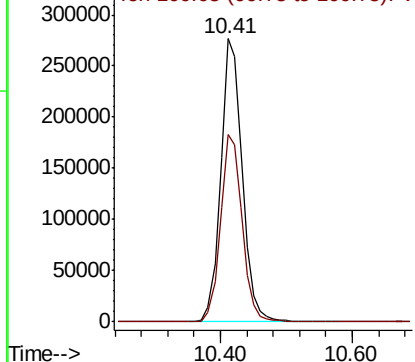


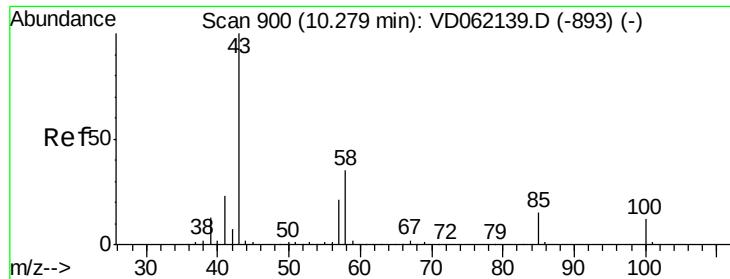
#50
Toluene-d8
Concen: 34.540 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062393.D
Acq: 15 May 2019 17:33

Tgt Ion: 98 Resp: 626790
Ion Ratio Lower Upper
98 100
100 66.1 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.400 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.13 min

Lab File: VD062393.D

Acq: 15 May 2019 17:33

Instrument :

MSVOA_D

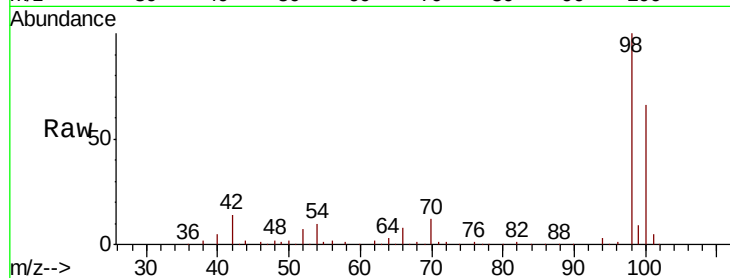
ClientSampleId :

Tot Ion: 43 Resp: 4025

Ion Ratio Lower Upper

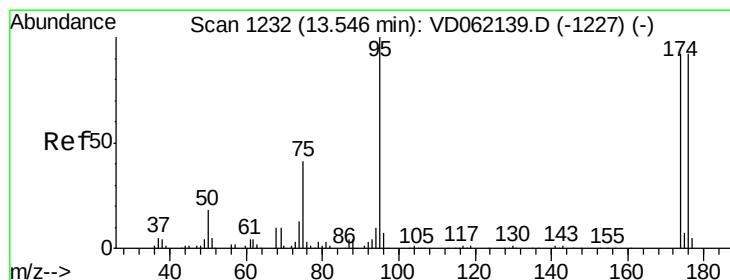
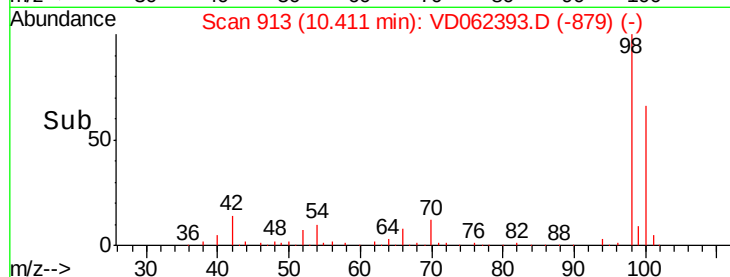
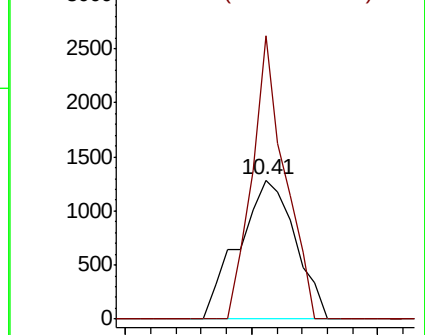
43 100

58 203.6 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 34.383 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062393.D

Acq: 15 May 2019 17:33

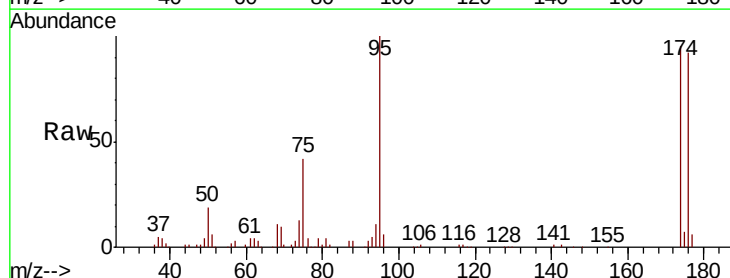
Tgt Ion: 95 Resp: 250555

Ion Ratio Lower Upper

95 100

174 95.1 0.0 181.8

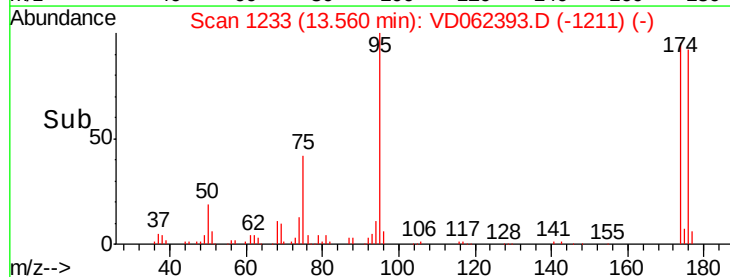
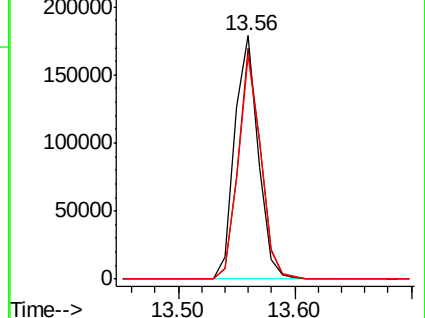
176 91.8 0.0 174.4

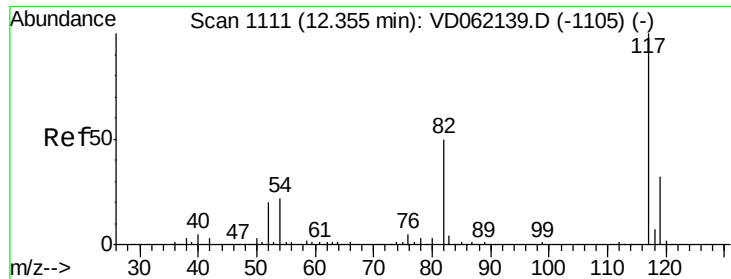


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

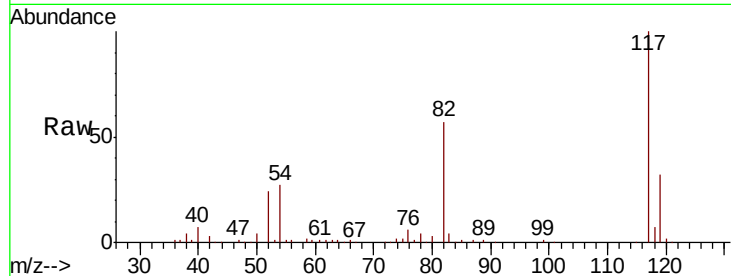




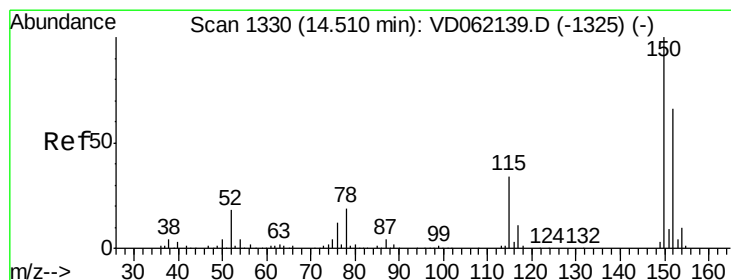
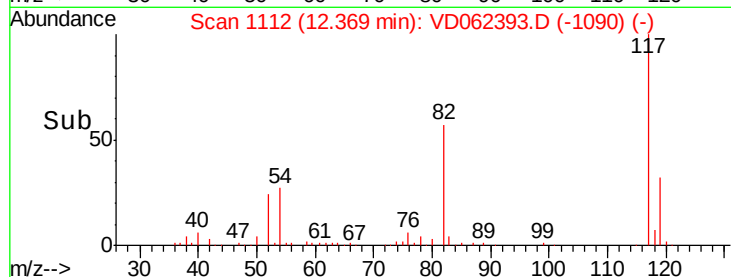
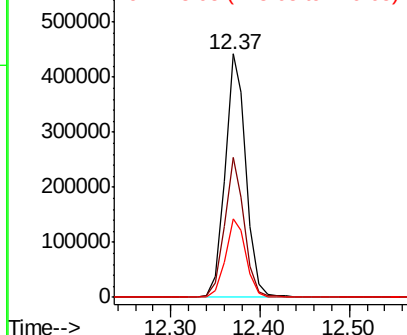
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062393.D
Acq: 15 May 2019 17:33

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 729636
Ion Ratio Lower Upper
117 100
82 57.3 36.2 54.2#
119 32.5 26.2 39.4

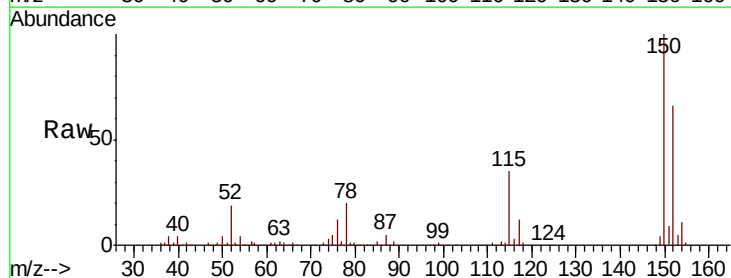


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

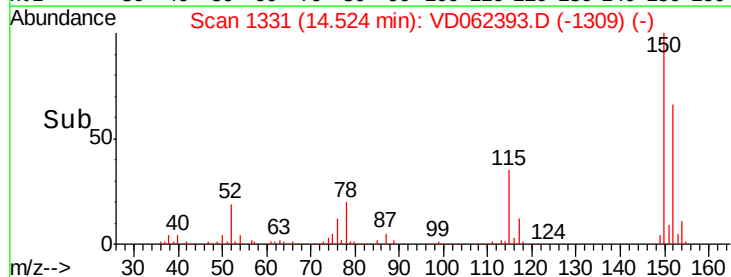
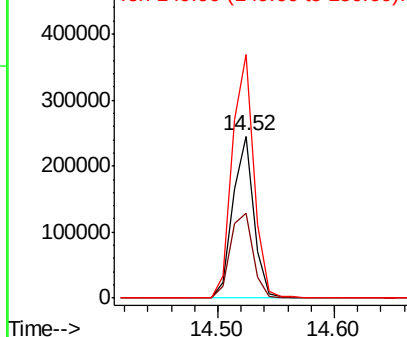


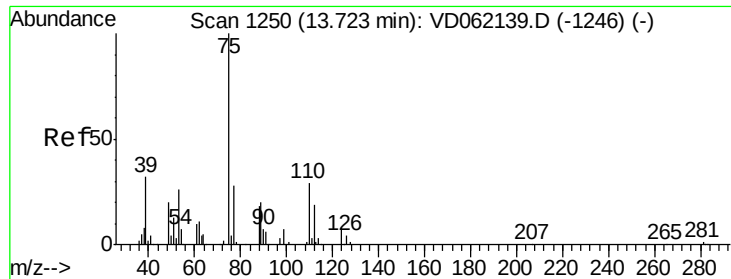
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062393.D
Acq: 15 May 2019 17:33

Tgt Ion:152 Resp: 304427
Ion Ratio Lower Upper
152 100
115 52.7 30.9 92.7
150 150.6 0.0 314.8



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





#76

1,2,3-Trichloropropane

Concen: 28.908 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062393.D

Acq: 15 May 2019 17:33

Instrument :

MSVOA_D

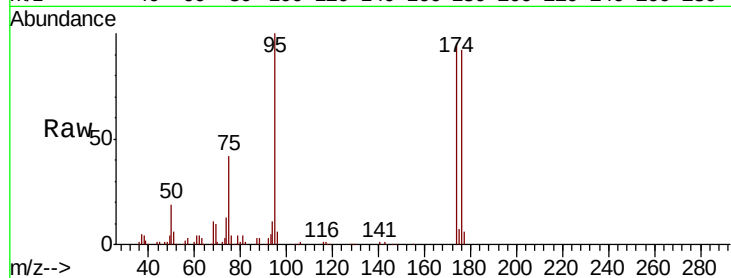
ClientSampleId :

Tot Ion: 75 Resp: 104584

Ion Ratio Lower Upper

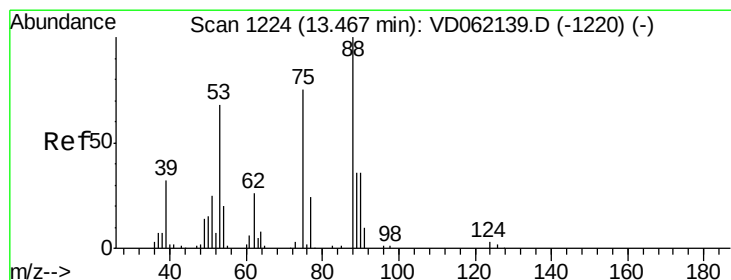
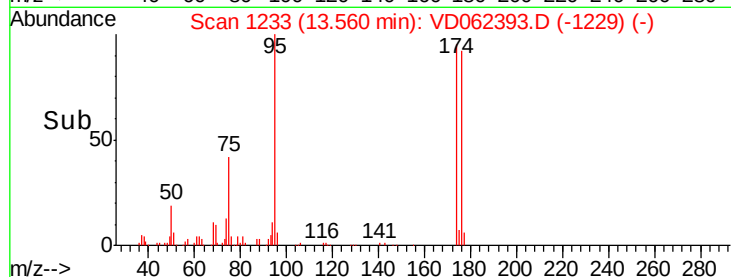
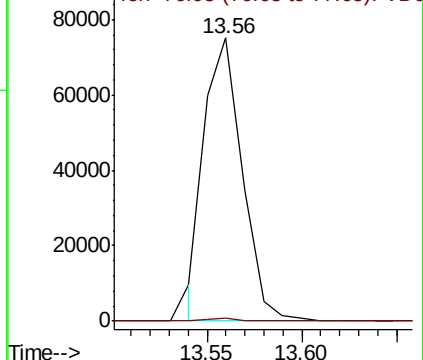
75 100

77 1.1 16.4 49.4#



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: 108.018 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062393.D

Acq: 15 May 2019 17:33

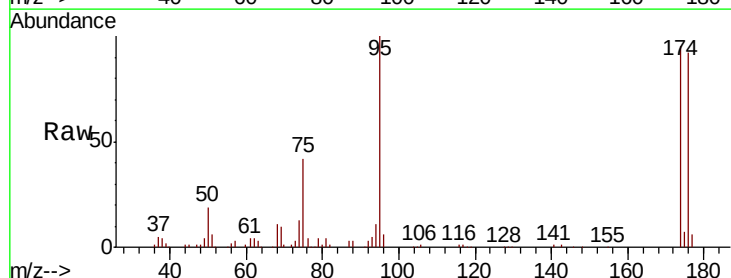
Tgt Ion: 75 Resp: 110324

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

