

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062377.D
 Acq On : 15 May 2019 6:46
 Operator : FY/SY
 Sample : K2779-01
 Misc : 6.84g/5mL/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-5124

Quant Time: May 15 08:53:59 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	7.07	168	643491	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	890376	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	673450	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	337844	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	288131	48.18	ug/l	0.04
Spiked Amount			Recovery	=	96.36%	
35) Dibromofluoromethane	6.94	113	308078	41.70	ug/l	0.04
Spiked Amount			Recovery	=	83.40%	
50) Toluene-d8	10.42	98	616312	34.60	ug/l	0.02
Spiked Amount			Recovery	=	69.20%	
62) 4-Bromofluorobenzene	13.56	95	274247	38.34	ug/l	0.01
Spiked Amount			Recovery	=	76.68%	

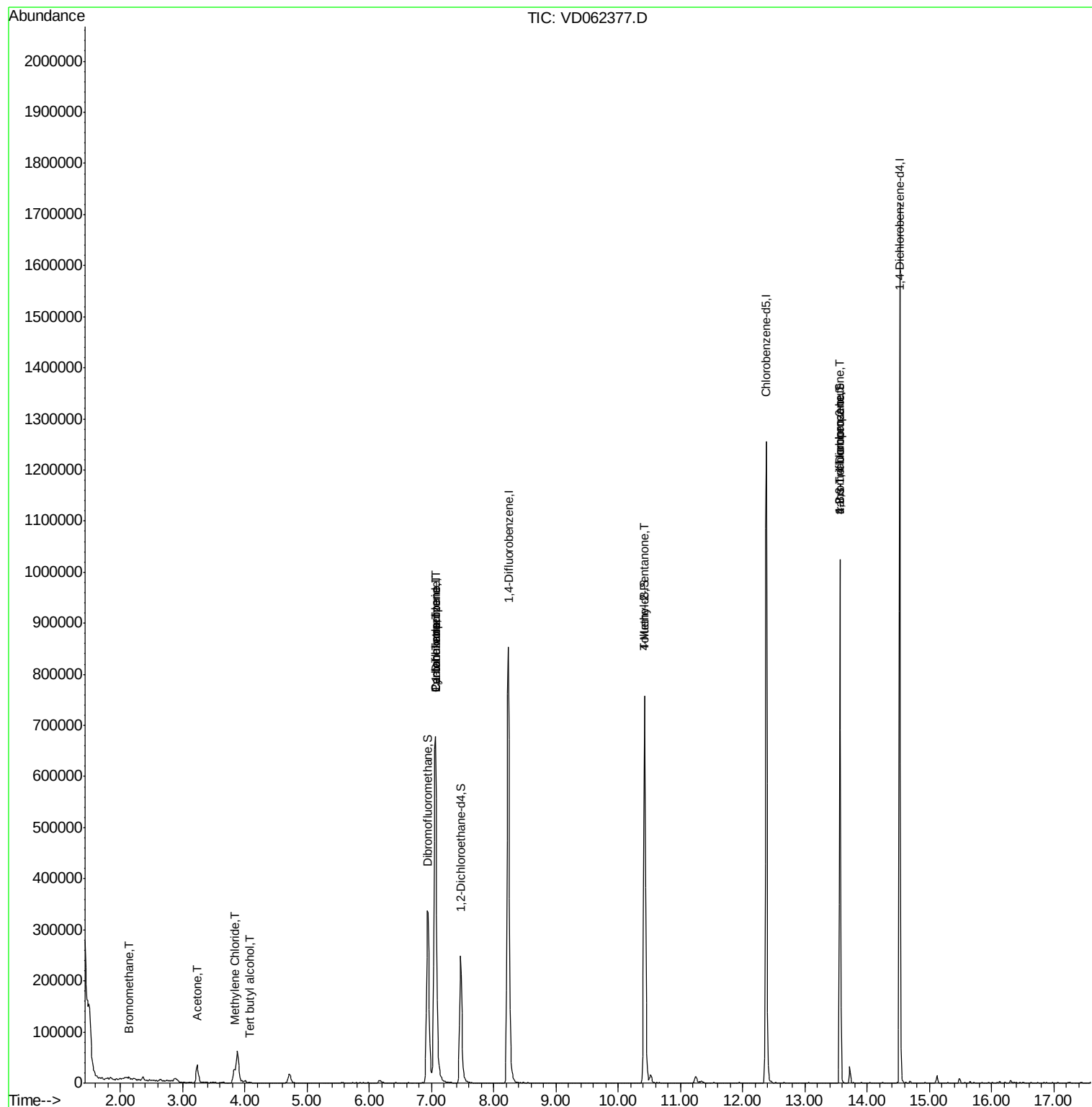
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	1074	1.049	ug/l #	12
11) Tert butyl alcohol	4.06	59	760	2.490	ug/l #	76
16) Acetone	3.24	43	65642	52.343	ug/l #	83
20) Methylene Chloride	3.84	84	18412	3.516	ug/l #	93
31) Cyclohexane	7.07	56	15849	2.526	ug/l #	5
36) 1,1-Dichloropropene	7.06	75	53410	7.316	ug/l #	47
38) Carbon Tetrachloride	7.07	117	69700	6.898	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	3270	1.159	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	122896	30.609	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	125241	110.495	ug/l #	16

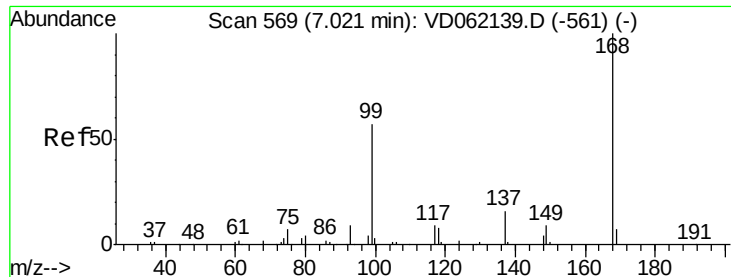
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051419\
Data File : VD062377.D
Acq On : 15 May 2019 6:46
Operator : FY/SY
Sample : K2779-01
Misc : 6.84g/5mL/MSVOA D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RT-5124

Quant Time: May 15 08:53:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062377.D

Acq: 15 May 2019 6:46

Instrument :

MSVOA_D

ClientSampleId :

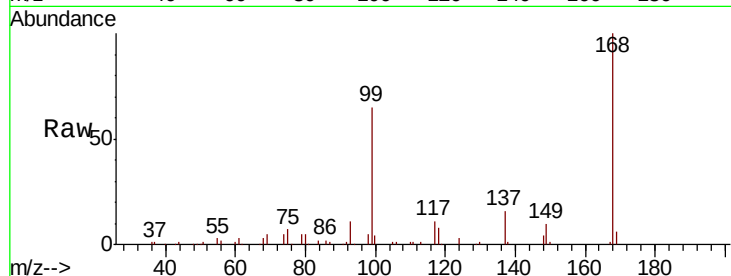
RT-5124

Tot Ion:168 Resp: 643491

Ion Ratio Lower Upper

168 100

99 65.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

150000

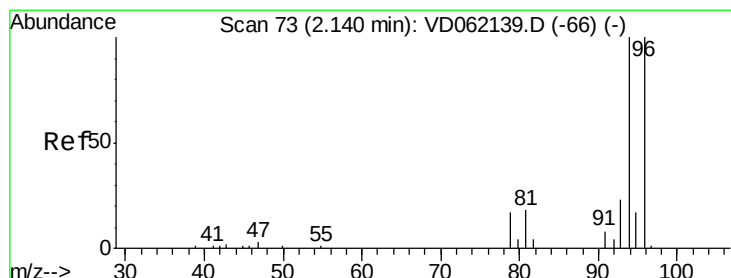
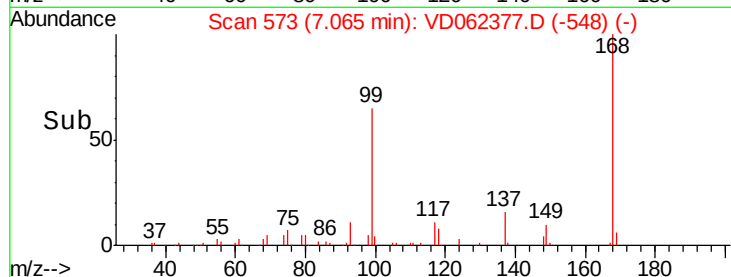
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.049 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062377.D

Acq: 15 May 2019 6:46

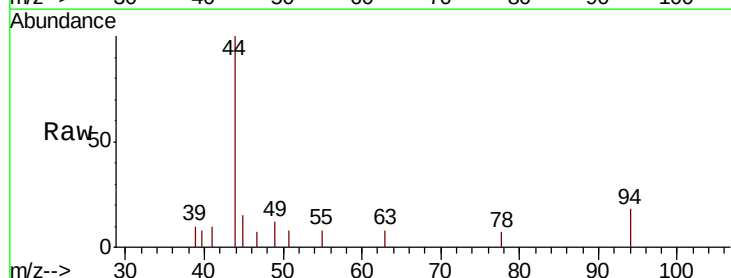
Tgt Ion: 94 Resp: 1074

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

1200

1000

800

600

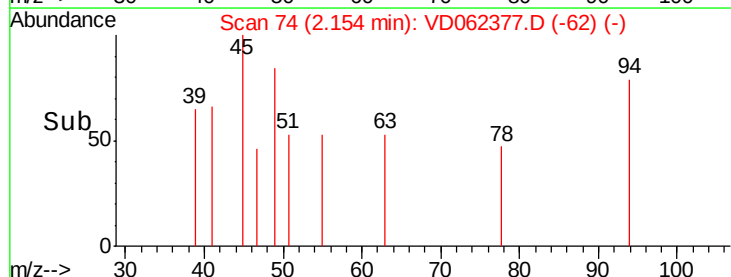
400

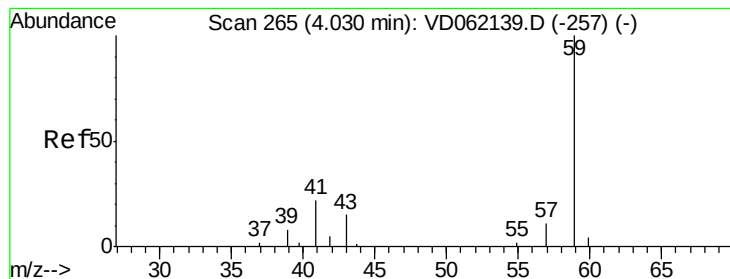
200

0

Time-->

2.14 2.16 2.18



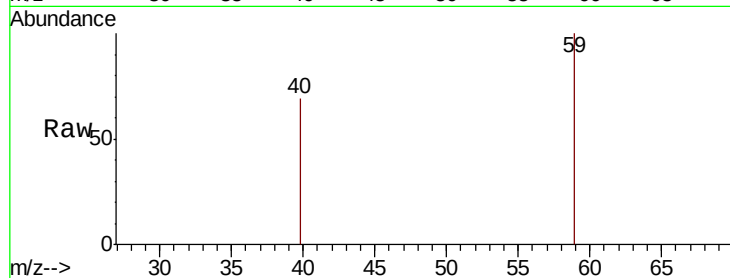


#11

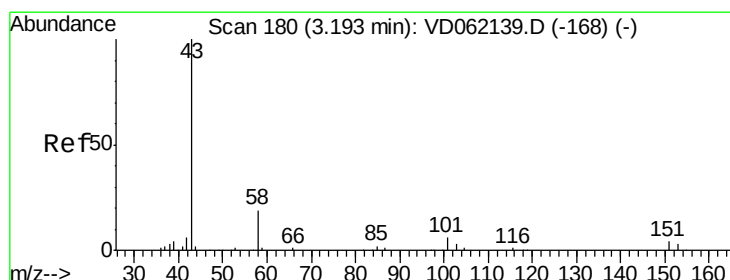
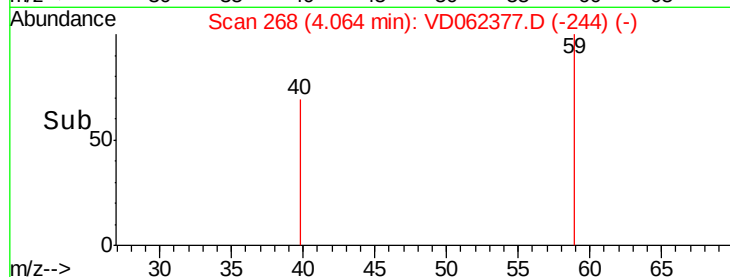
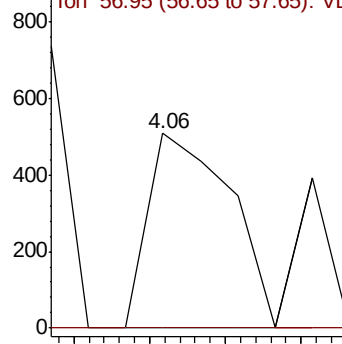
Tert butyl alcohol
 Concen: 2.490 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.03 min
 Lab File: VD062377.D
 Acq: 15 May 2019 6:46

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-5124

Tot Ion: 59 Resp: 760
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#



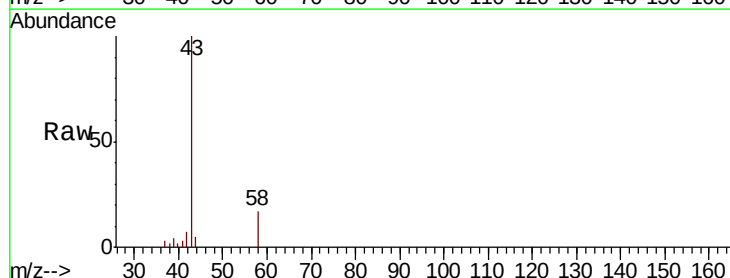
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



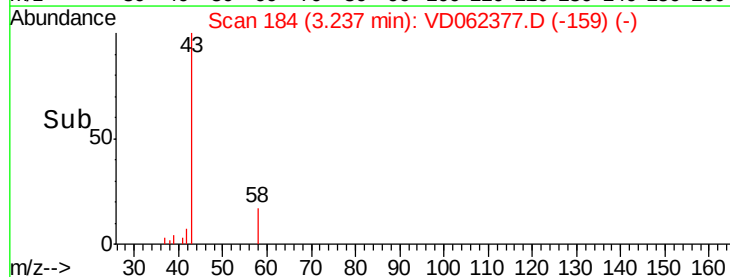
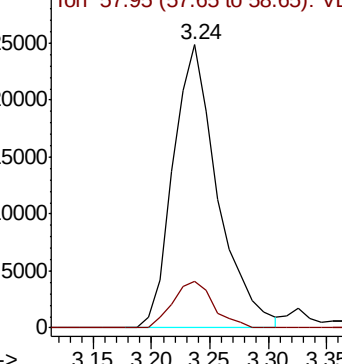
#16

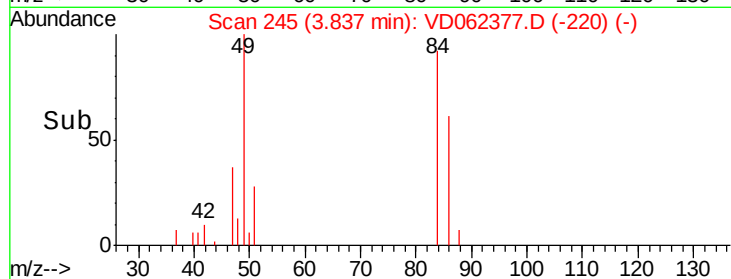
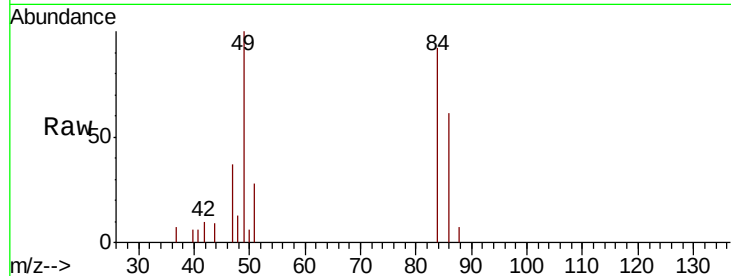
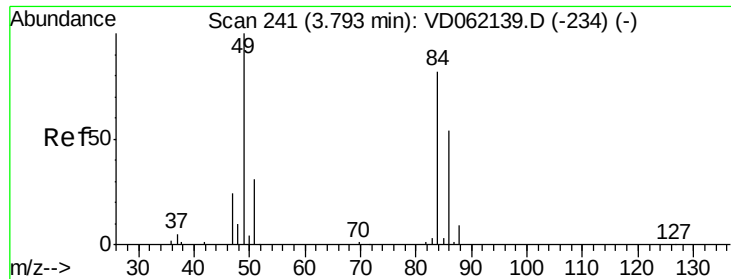
Acetone
 Concen: 52.343 ug/l
 RT: 3.24 min Scan# 184
 Delta R.T. 0.04 min
 Lab File: VD062377.D
 Acq: 15 May 2019 6:46

Tgt Ion: 43 Resp: 65642
 Ion Ratio Lower Upper
 43 100
 58 16.6 19.9 29.9#



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

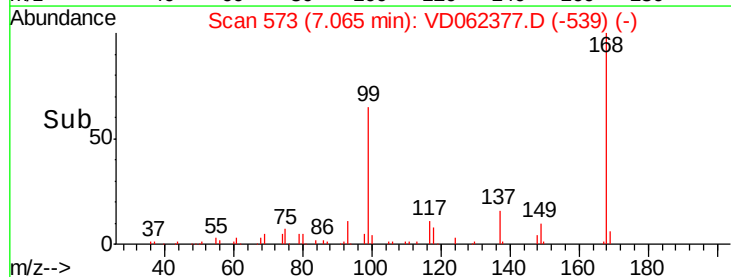
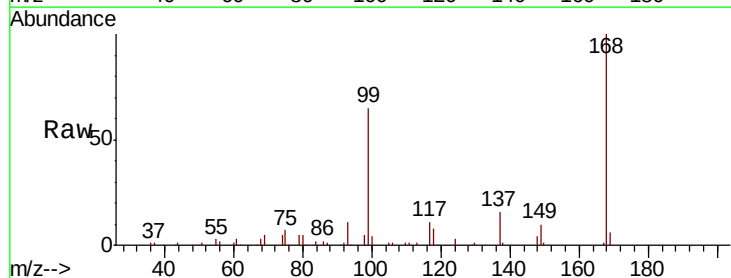
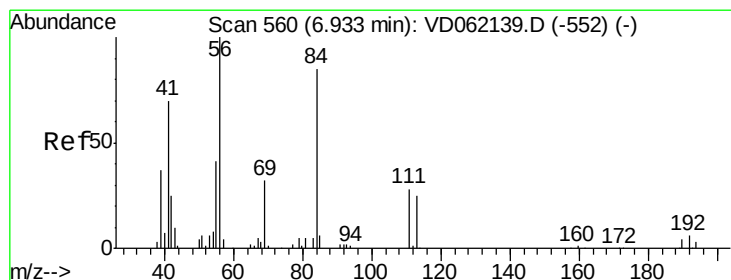
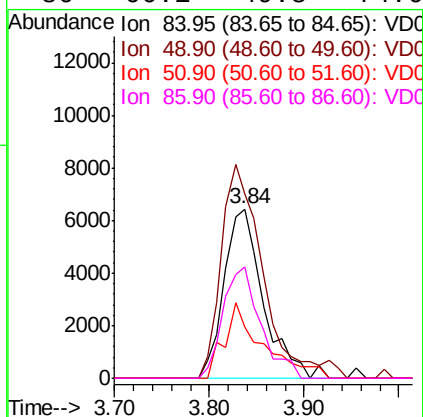




#20
Methylene Chloride
Concen: 3.516 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD062377.D
Acq: 15 May 2019 6:46

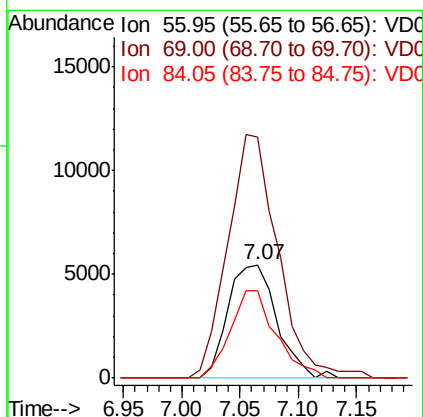
Instrument :
MSVOA_D
ClientSampleId :
RT-5124

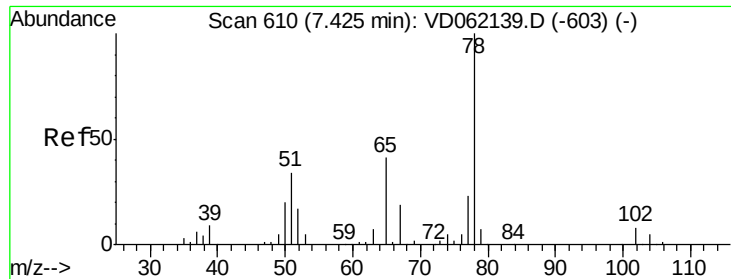
Tot Ion:	84	Resp:	18412
Ion	Ratio	Lower	Upper
84	100		
49	109.1	94.0	141.0
51	30.6	29.0	43.4
86	66.1	49.8	74.6



#31
Cyclohexane
Concen: 2.526 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.13 min
Lab File: VD062377.D
Acq: 15 May 2019 6:46

Tgt Ion:	56	Resp:	15849
Ion	Ratio	Lower	Upper
56	100		
69	212.4	25.8	38.6#
84	77.4	72.2	108.4

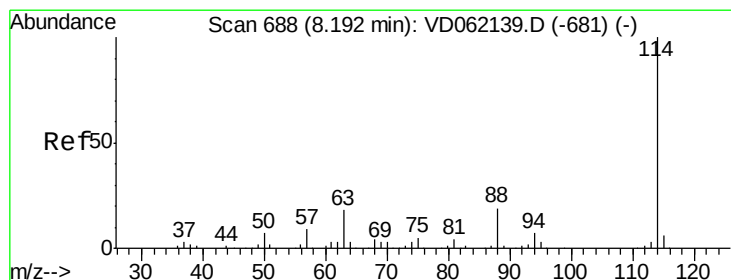
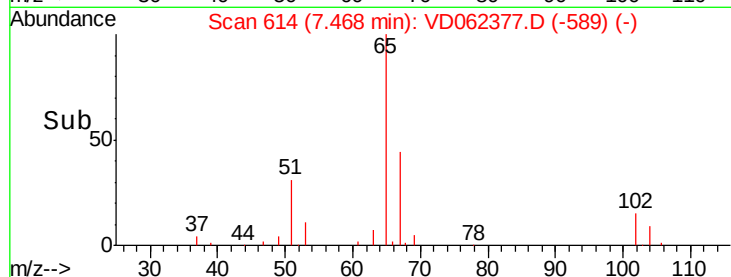
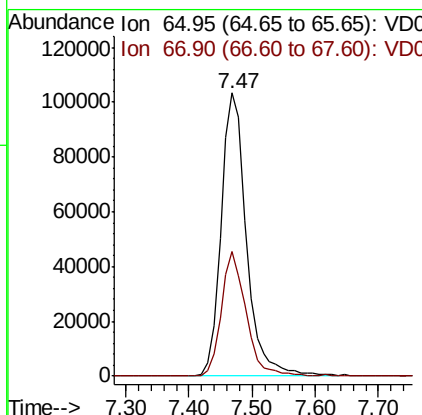
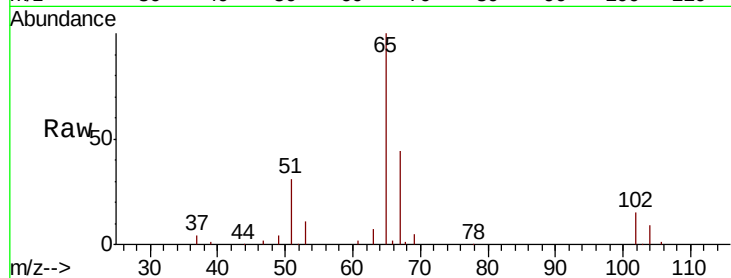




#33
 1,2-Dichloroethane-d4
 Concen: 48.182 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD062377.D
 Acq: 15 May 2019 6:46

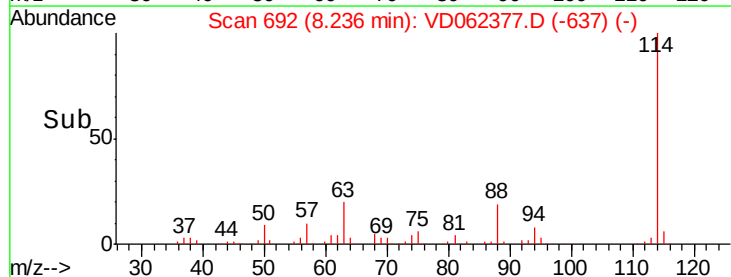
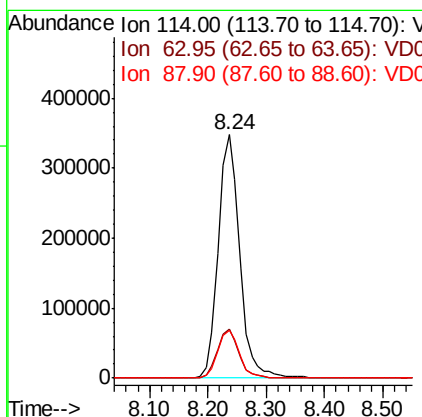
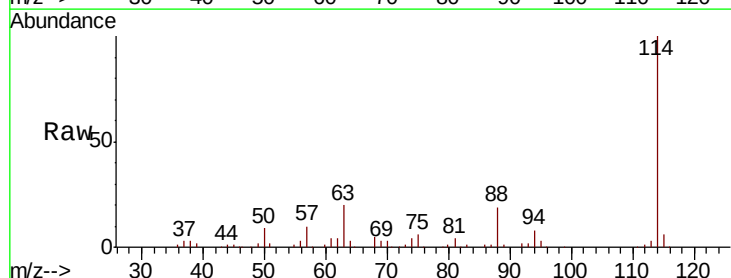
Instrument :
 MSVOA_D
 ClientSampleId :
 RT-5124

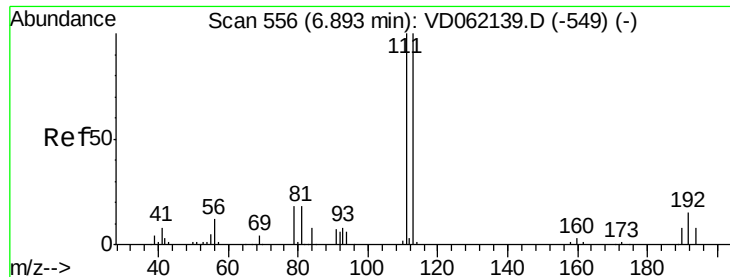
Tot Ion: 65 Resp: 288131
 Ion Ratio Lower Upper
 65 100
 67 44.1 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062377.D
 Acq: 15 May 2019 6:46

Tgt Ion: 114 Resp: 890376
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 32.4
 88 19.4 0.0 33.6





#35

Dibromofluoromethane

Concen: 41.702 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062377.D

Acq: 15 May 2019 6:46

Instrument :

MSVOA_D

ClientSampled :

RT-5124

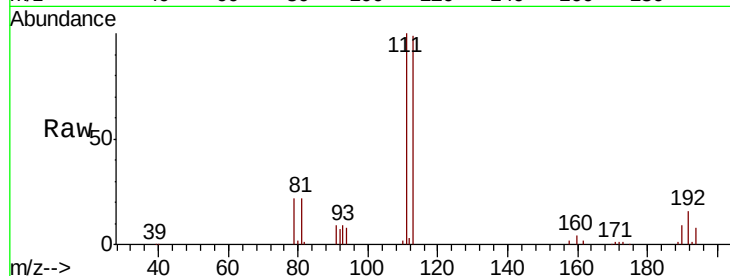
Tot Ion:113 Resp: 308078

Ion Ratio Lower Upper

113 100

111 100.8 78.5 117.7

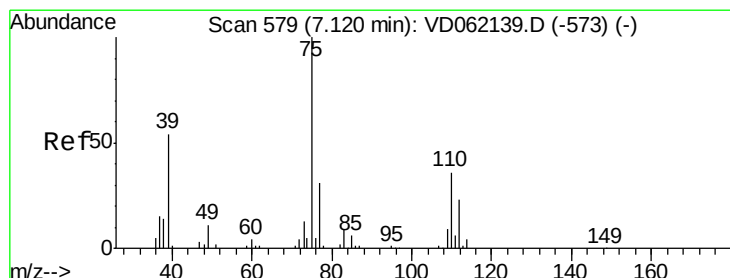
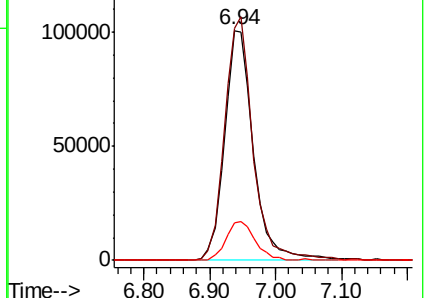
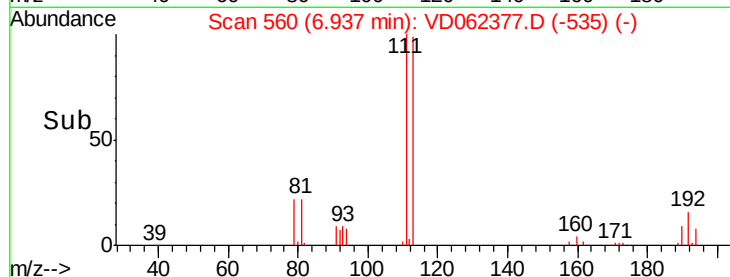
192 16.5 13.0 19.4



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: 7.316 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD062377.D

Acq: 15 May 2019 6:46

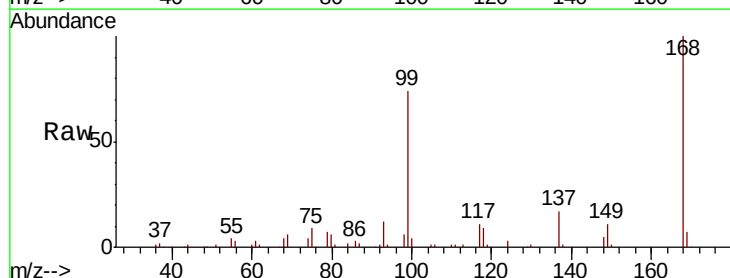
Tgt Ion: 75 Resp: 53410

Ion Ratio Lower Upper

75 100

110 8.7 19.1 57.1#

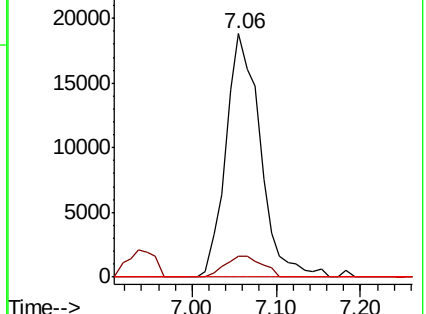
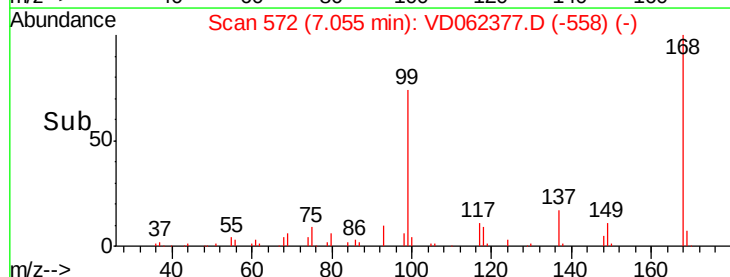
77 0.0 25.6 38.4#

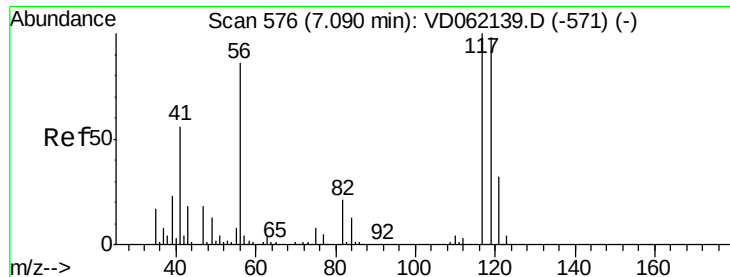


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.898 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD062377.D

Acq: 15 May 2019 6:46

Instrument :

MSVOA_D

ClientSampleId :

RT-5124

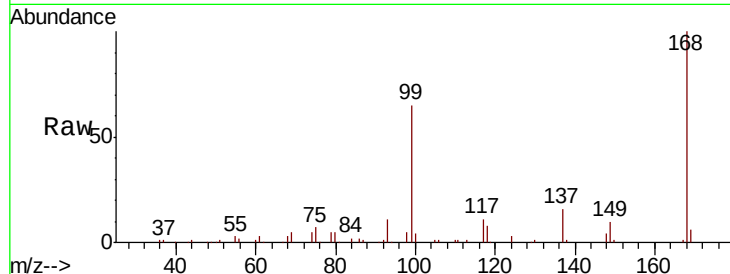
Tot Ion:117 Resp: 69700

Ion Ratio Lower Upper

117 100

119 3.5 75.8 113.8#

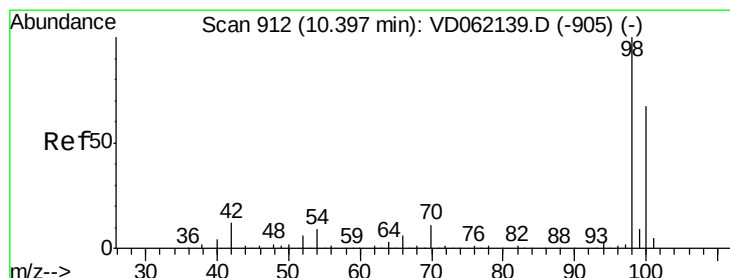
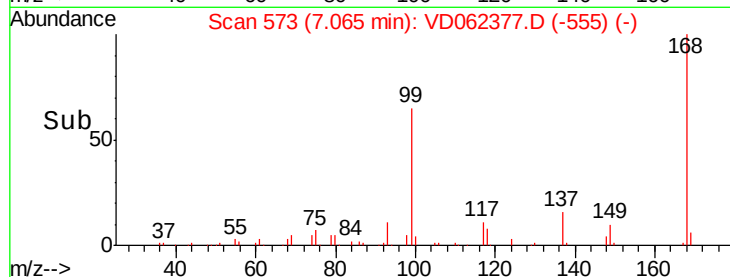
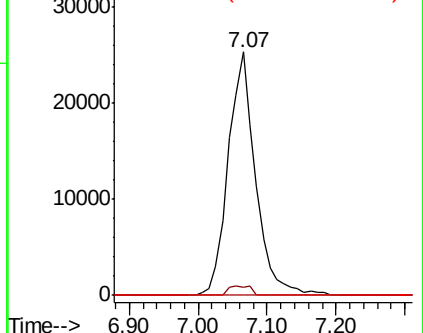
121 0.0 25.9 38.9#



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: 34.601 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062377.D

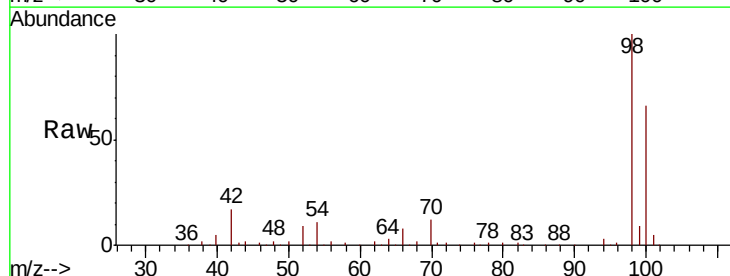
Acq: 15 May 2019 6:46

Tgt Ion: 98 Resp: 616312

Ion Ratio Lower Upper

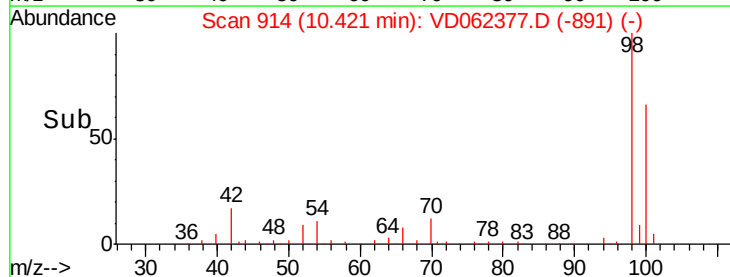
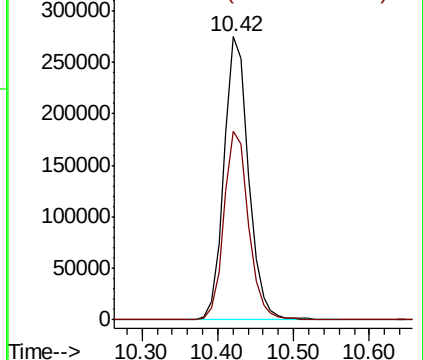
98 100

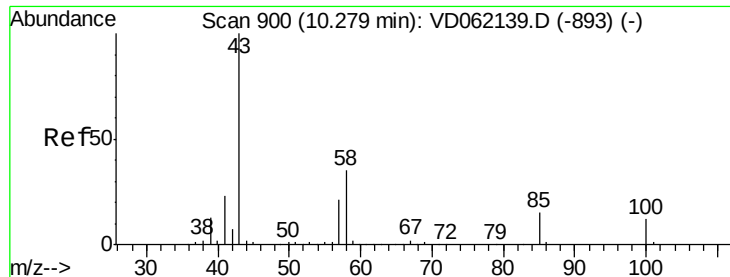
100 66.5 53.8 80.8



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: 1.159 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.14 min

Lab File: VD062377.D

Acq: 15 May 2019 6:46

Instrument :

MSVOA_D

ClientSampleId :

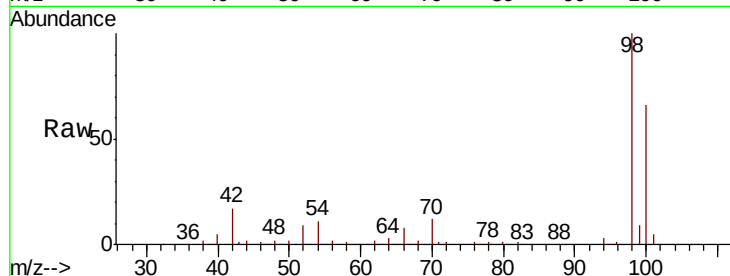
RT-5124

Tot Ion: 43 Resp: 3270

Ion Ratio Lower Upper

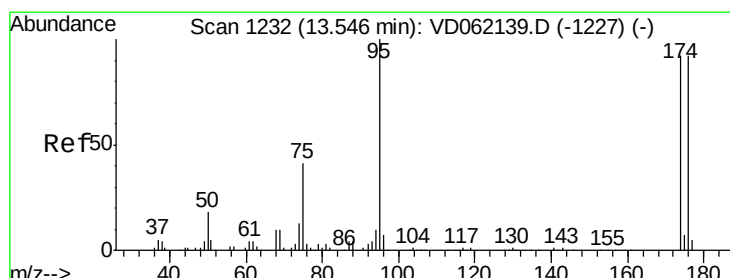
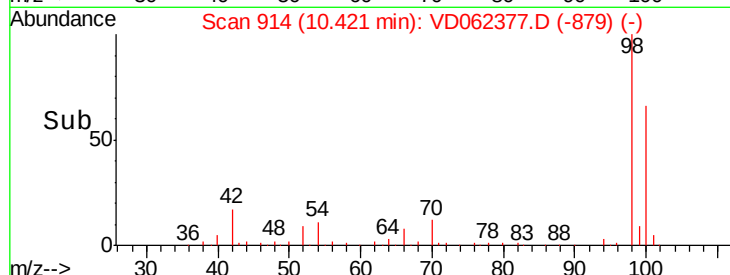
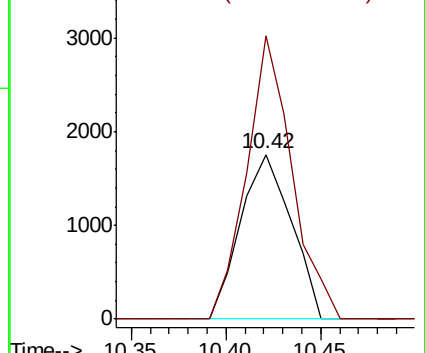
43 100

58 172.0 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: 38.342 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062377.D

Acq: 15 May 2019 6:46

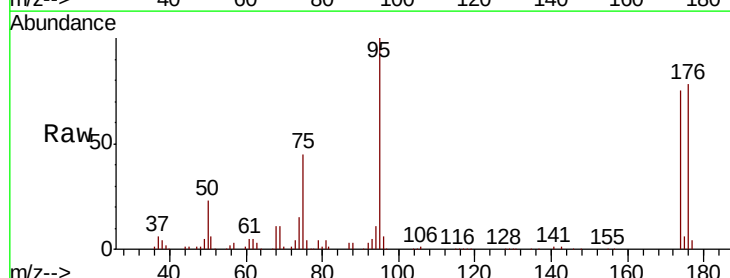
Tgt Ion: 95 Resp: 274247

Ion Ratio Lower Upper

95 100

174 75.3 0.0 181.8

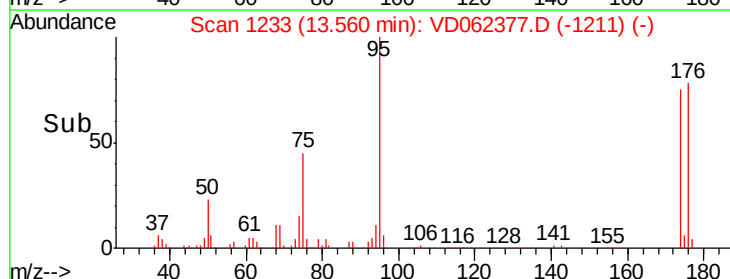
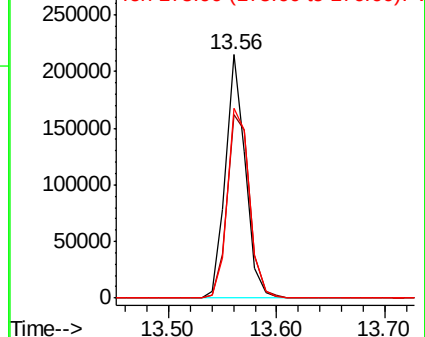
176 78.2 0.0 174.4

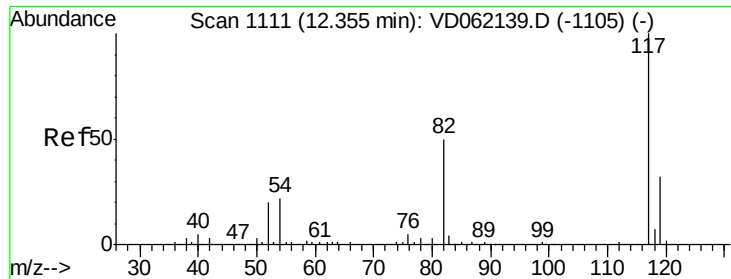


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

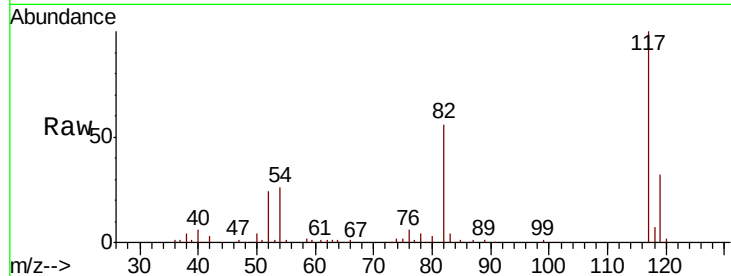




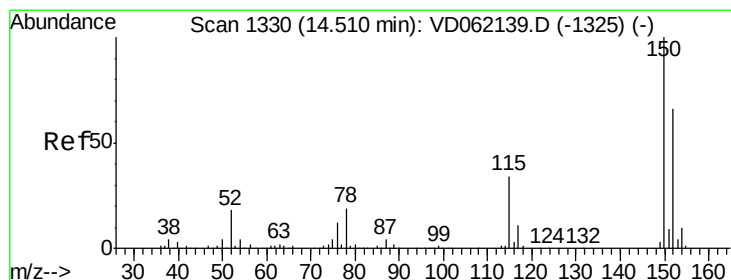
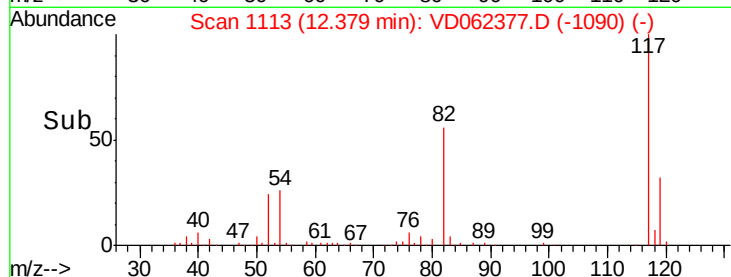
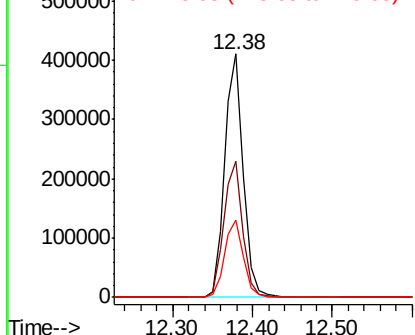
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062377.D
Acq: 15 May 2019 6:46

Instrument :
MSVOA_D
ClientSampled :
RT-5124

Tot Ion:117 Resp: 673450
Ion Ratio Lower Upper
117 100
82 55.9 36.2 54.2#
119 32.0 26.2 39.4

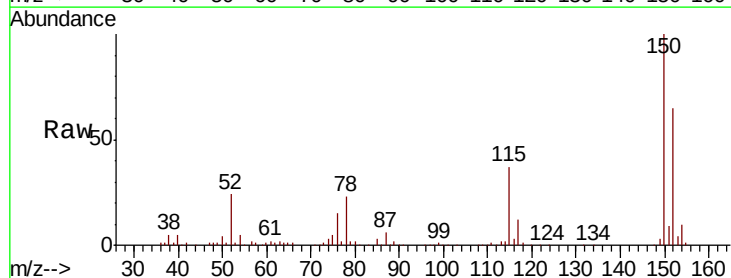


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

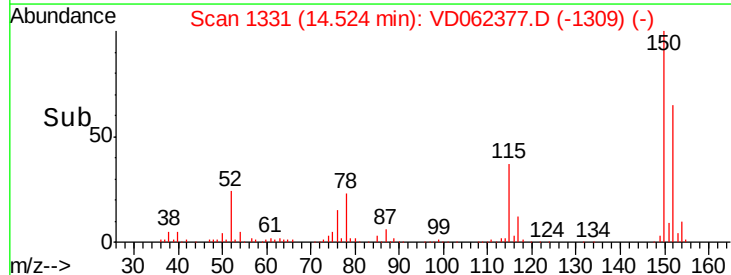
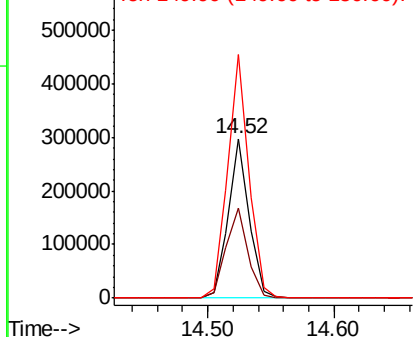


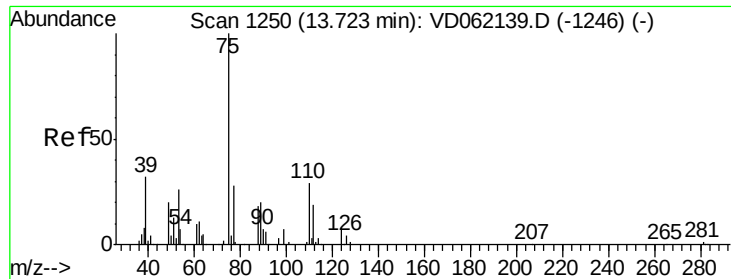
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062377.D
Acq: 15 May 2019 6:46

Tgt Ion:152 Resp: 337844
Ion Ratio Lower Upper
152 100
115 56.2 30.9 92.7
150 153.0 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: 30.609 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062377.D

Acq: 15 May 2019 6:46

Instrument :

MSVOA_D

ClientSampled :

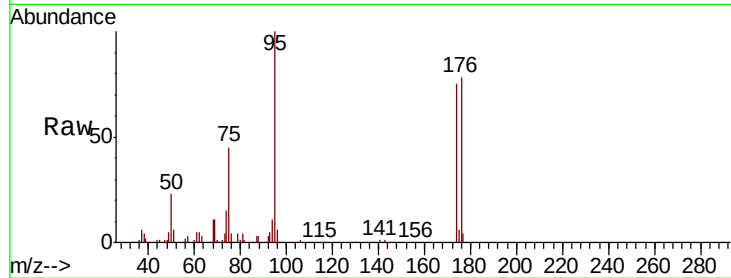
RT-5124

Tot Ion: 75 Resp: 122896

Ion Ratio Lower Upper

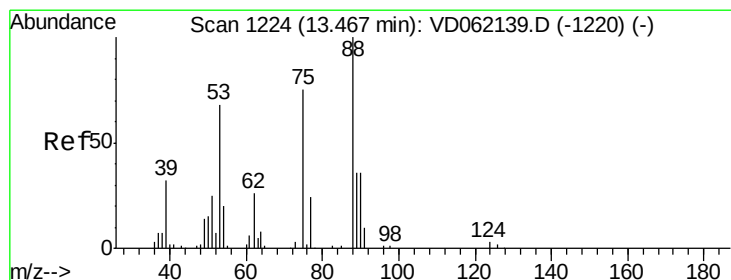
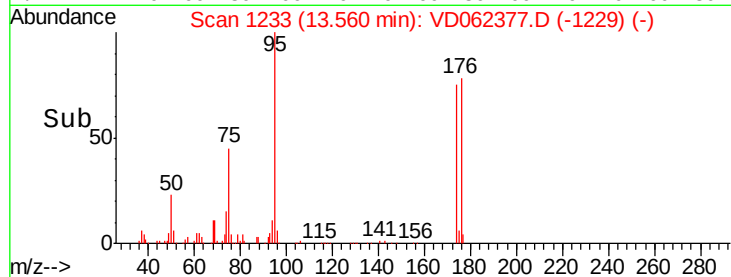
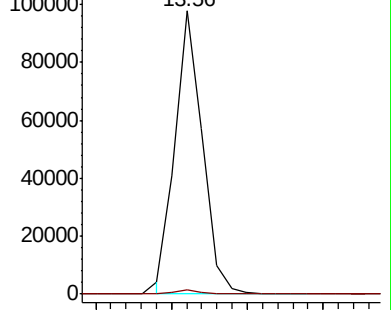
75 100

77 1.7 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: 110.495 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062377.D

Acq: 15 May 2019 6:46

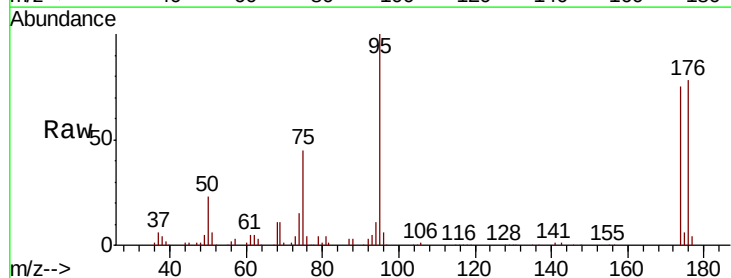
Tgt Ion: 75 Resp: 125241

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

