

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061512.D
 Acq On : 2 Apr 2019 14:04
 Operator : VA/AP
 Sample : VD0402SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 01:50:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	750757	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1225358	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	932751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	431750	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	323136	50.39	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.78%	
35) Dibromofluoromethane	6.92	113	497679	53.15	ug/l	0.02
Spiked Amount 50.000			Recovery	=	106.30%	
50) Toluene-d8	10.40	98	1154465	51.40	ug/l	0.01
Spiked Amount 50.000			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	13.55	95	448578	52.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.16%	

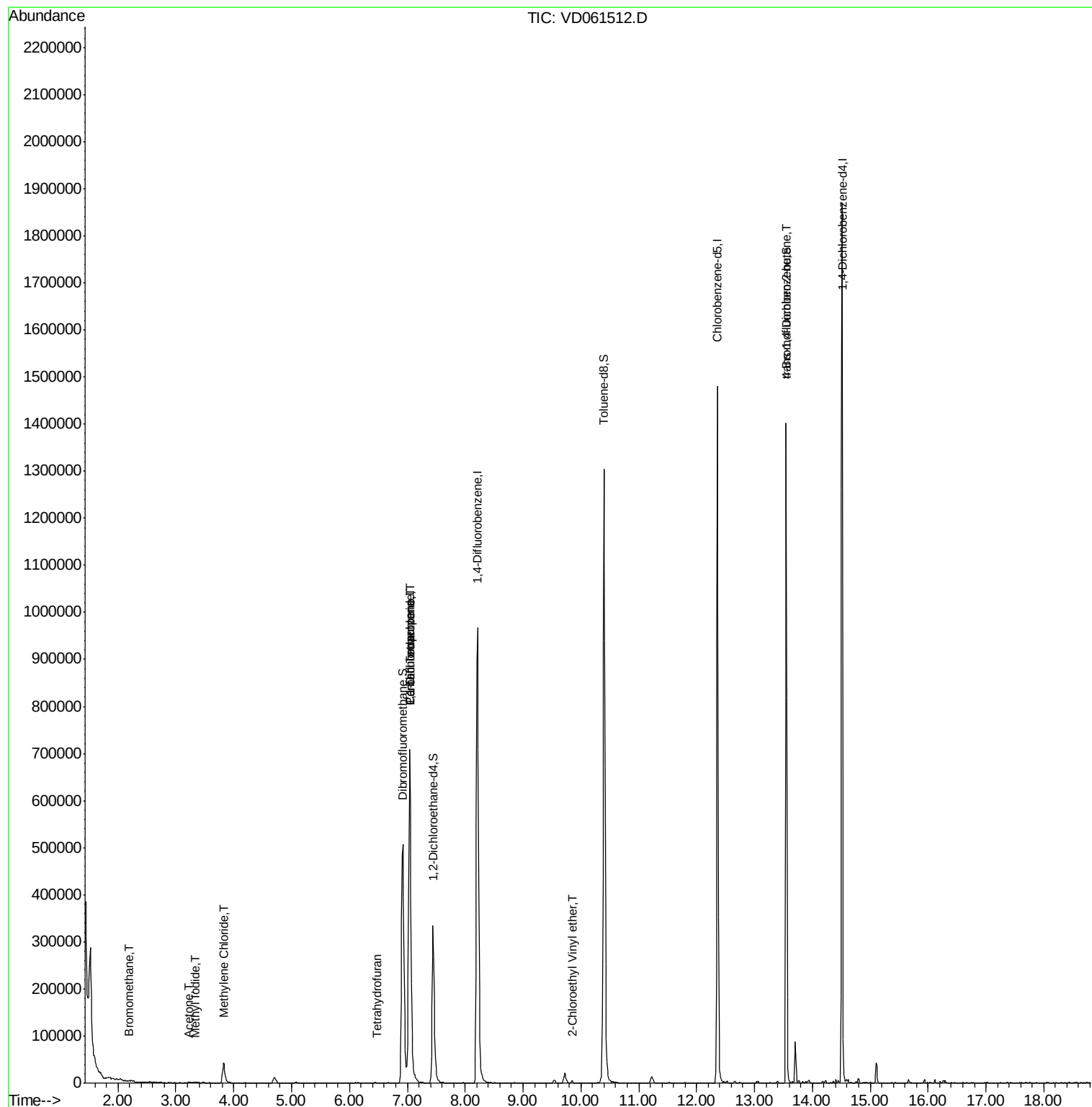
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.20	94	1671	1.404	ug/l #	10
10) Methyl Iodide	3.33	142	3029	3.664	ug/l #	86
16) Acetone	3.22	43	2936	1.781	ug/l #	48
20) Methylene Chloride	3.82	84	35409	1.990	ug/l	95
29) Tetrahydrofuran	6.47	42	1062	1.057	ug/l #	30
36) 1,1-Dichloropropene	7.04	75	55672	5.206	ug/l #	45
38) Carbon Tetrachloride	7.04	117	71896	5.850	ug/l #	14
58) 2-Chloroethyl Vinyl ether	9.84	63	3243	1.082	ug/l #	82
81) trans-1,4-Dichloro-2-buten	13.55	75	164988	86.763	ug/l #	18

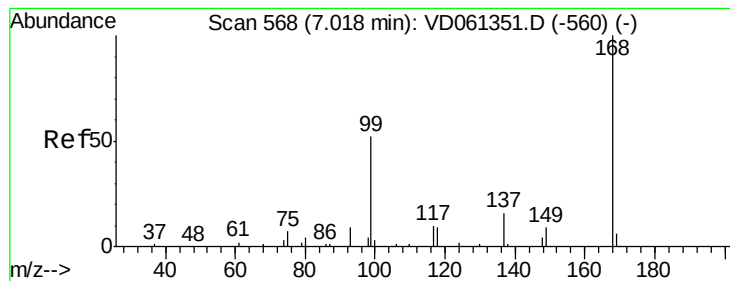
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040219\
Data File : VD061512.D
Acq On : 2 Apr 2019 14:04
Operator : VA/AP
Sample : VD0402SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 03 01:50:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061512.D

Acq: 2 Apr 2019 14:04

Instrument :

MSVOA_D

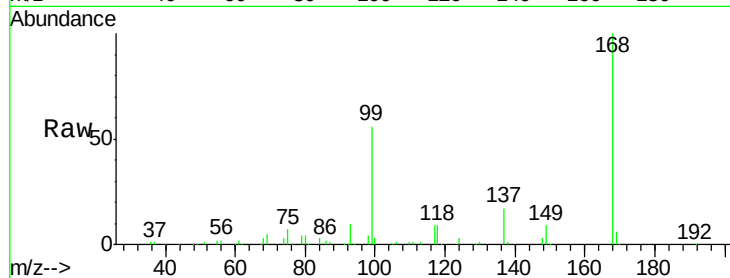
ClientSampleId :

Tot Ion:168 Resp: 750757

Ion Ratio Lower Upper

168 100

99 56.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

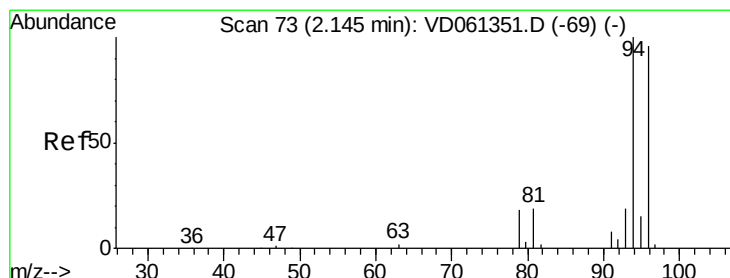
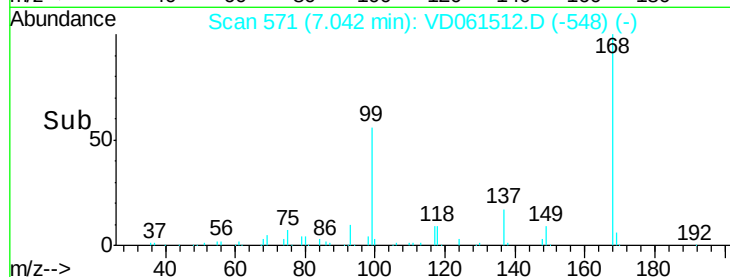
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.404 ug/l

RT: 2.20 min Scan# 79

Delta R.T. 0.05 min

Lab File: VD061512.D

Acq: 2 Apr 2019 14:04

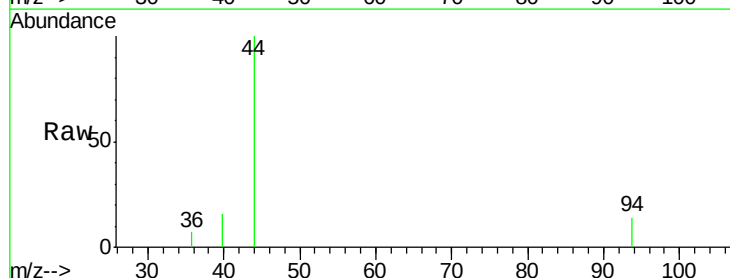
Tgt Ion: 94 Resp: 1671

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

93 0.0 15.6 23.4#



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

800

600

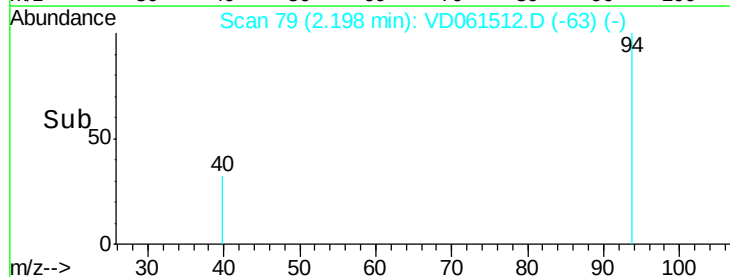
400

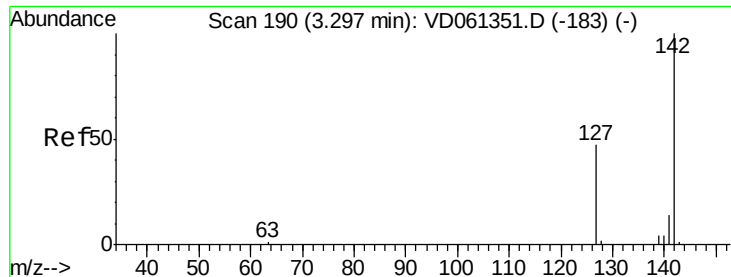
200

0

Time-->

2.10 2.15 2.20

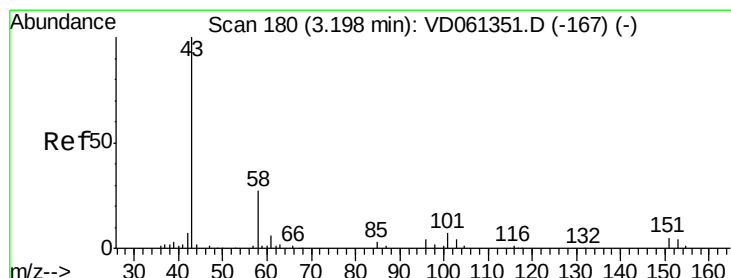
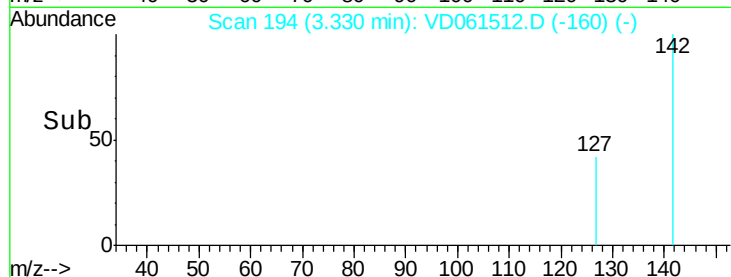
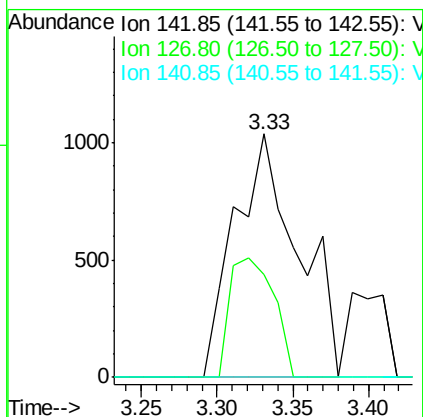
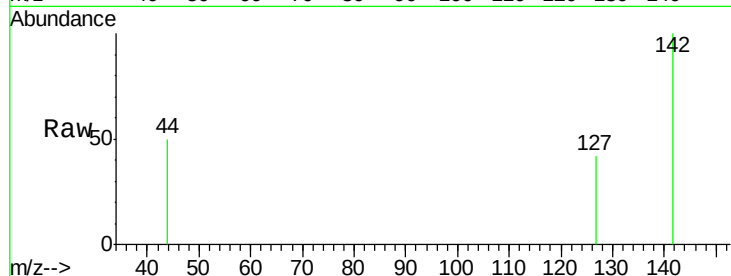




#10
Methvl Iodide
Concen: 3.664 ug/l
RT: 3.33 min Scan# 194
Delta R.T. 0.03 min
Lab File: VD061512.D
Acq: 2 Apr 2019 14:04

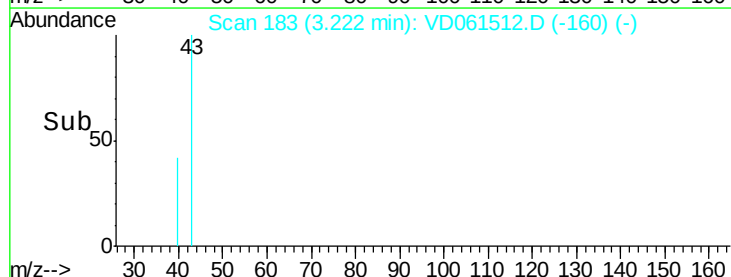
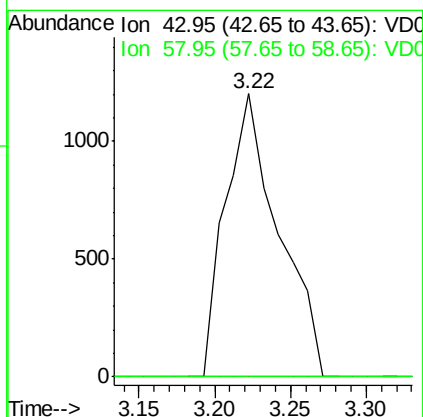
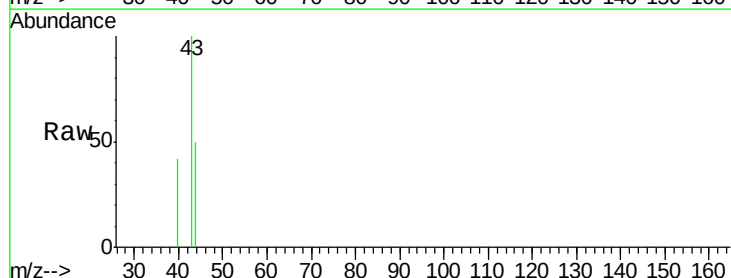
Instrument :
MSVOA_D
ClientSampleId :

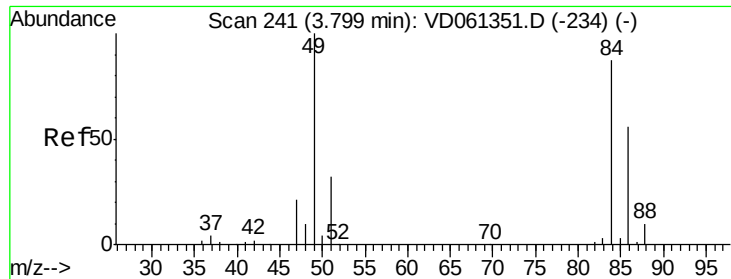
Tot Ion:142 Resp: 3029
Ion Ratio Lower Upper
142 100
127 42.3 37.7 56.5
141 0.0 11.5 17.3#



#16
Acetone
Concen: 1.781 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.02 min
Lab File: VD061512.D
Acq: 2 Apr 2019 14:04

Tgt Ion: 43 Resp: 2936
Ion Ratio Lower Upper
43 100
58 0.0 21.5 32.3#

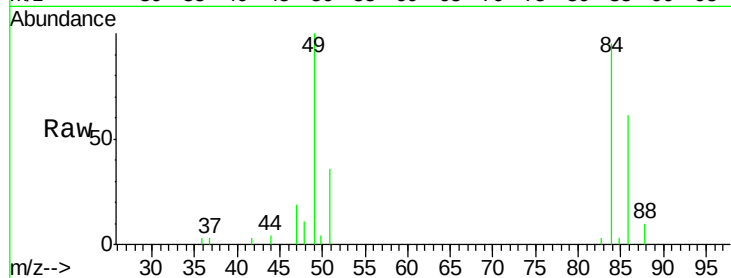




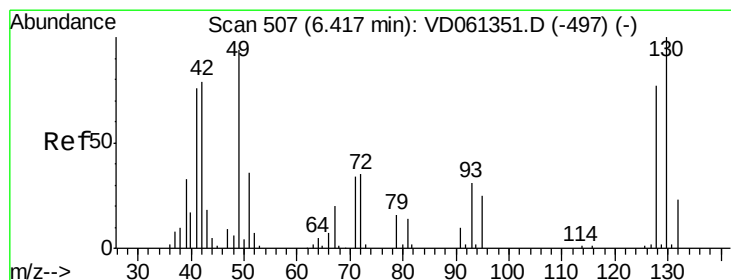
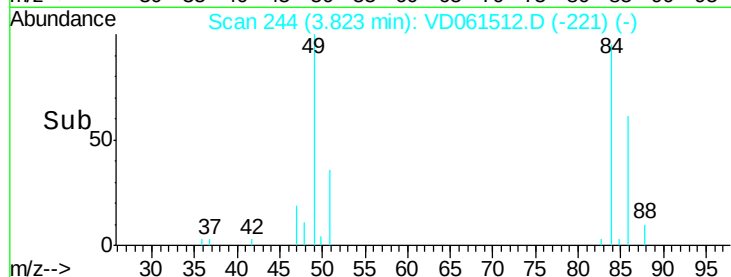
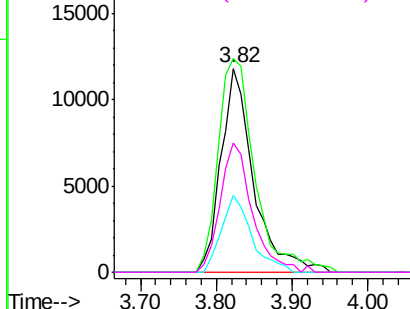
#20
Methylene Chloride
Concen: 1.990 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061512.D
Acq: 2 Apr 2019 14:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 35409
Ion Ratio Lower Upper
84 100
49 104.9 91.8 137.8
51 37.8 29.8 44.8
86 63.6 51.8 77.6

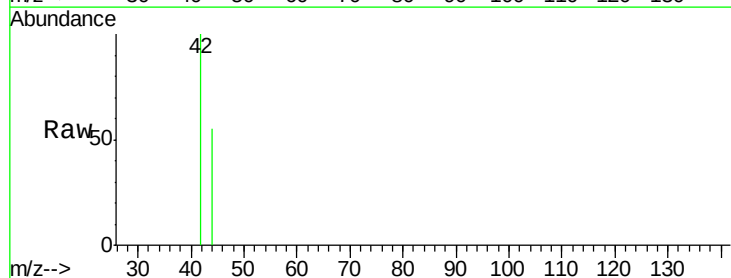


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

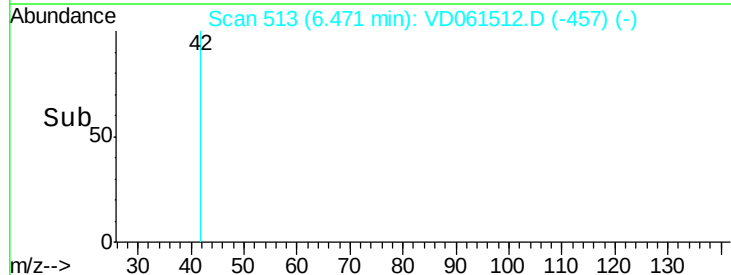
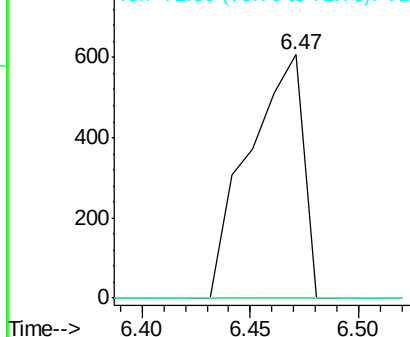


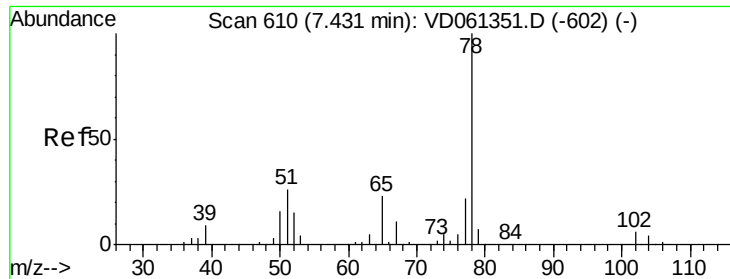
#29
Tetrahydrofuran
Concen: 1.057 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD061512.D
Acq: 2 Apr 2019 14:04

Tgt Ion: 42 Resp: 1062
Ion Ratio Lower Upper
42 100
72 0.0 37.4 56.0#
71 0.0 36.7 55.1#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061512.D

Acq: 2 Apr 2019 14:04

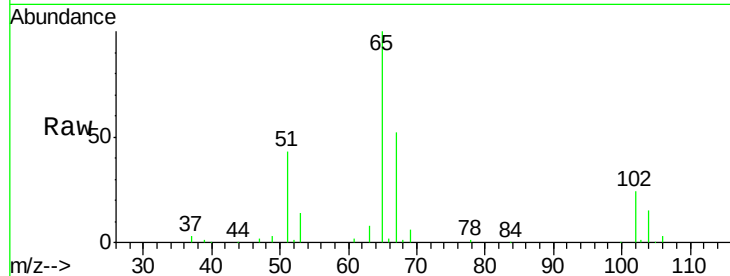
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 323136

Ion Ratio Lower Upper

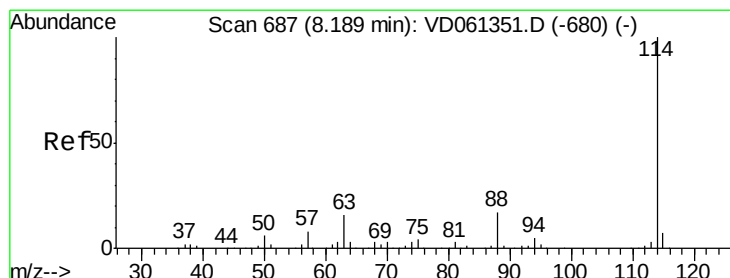
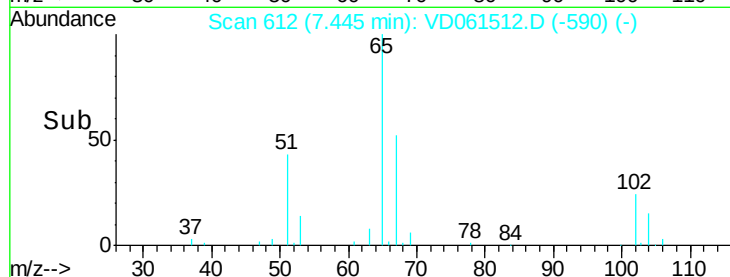
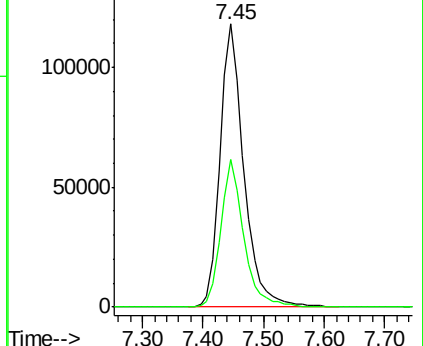
65 100

67 52.3 0.0 99.8



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: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD061512.D

Acq: 2 Apr 2019 14:04

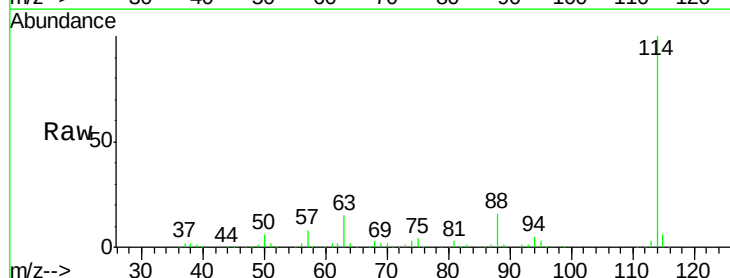
Tgt Ion:114 Resp: 1225358

Ion Ratio Lower Upper

114 100

63 15.1 0.0 31.6

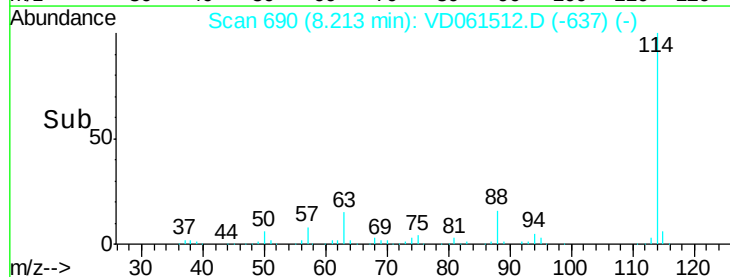
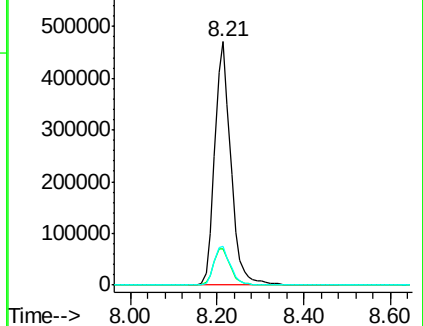
88 16.1 0.0 33.4

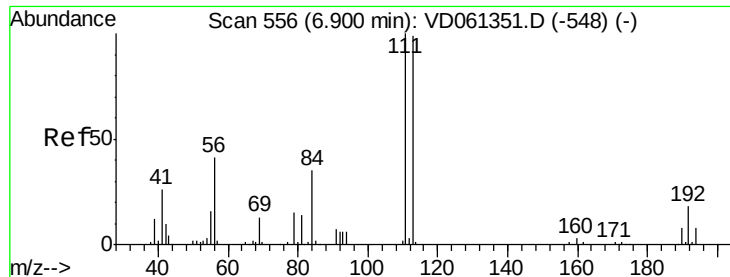


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.92 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD061512.D

Acq: 2 Apr 2019 14:04

Instrument :

MSVOA_D

ClientSampled :

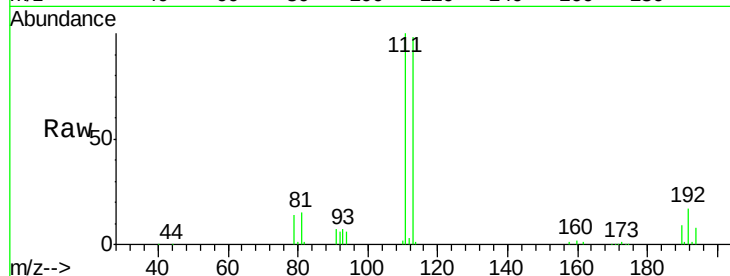
Tot Ion:113 Resp: 497679

Ion Ratio Lower Upper

113 100

111 102.5 81.0 121.6

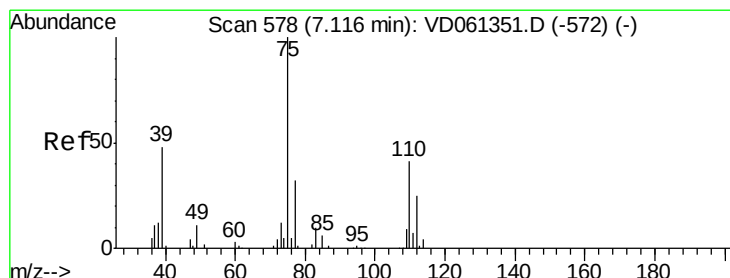
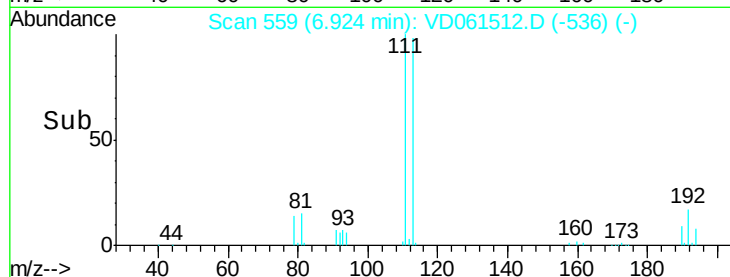
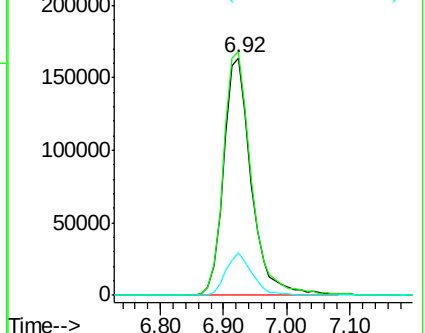
192 17.9 14.4 21.6



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: 5.206 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061512.D

Acq: 2 Apr 2019 14:04

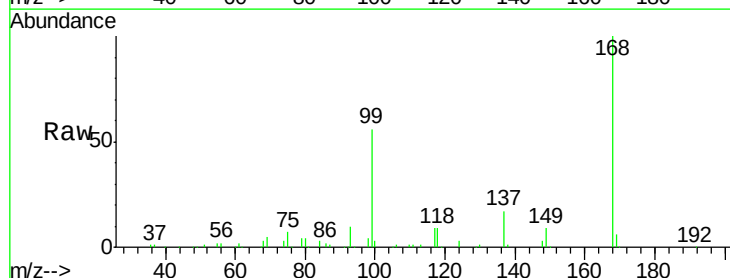
Tgt Ion: 75 Resp: 55672

Ion Ratio Lower Upper

75 100

110 7.4 20.4 61.3#

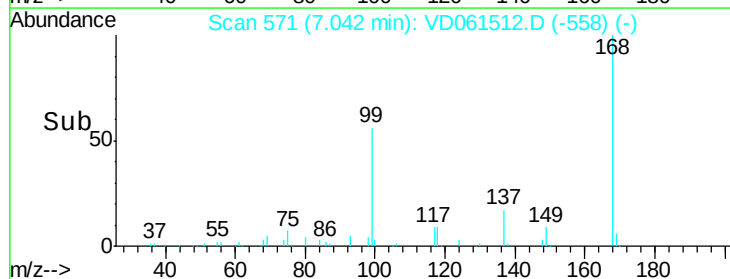
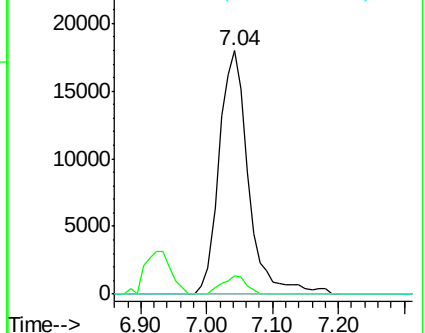
77 0.0 24.9 37.3#

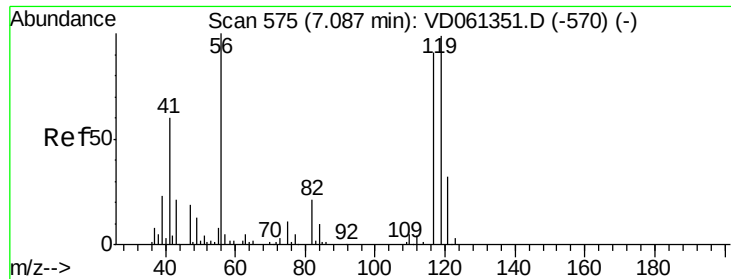


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

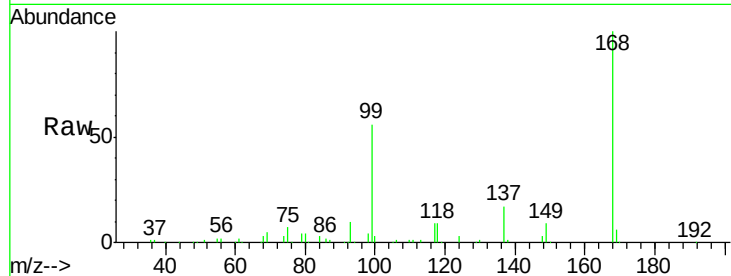




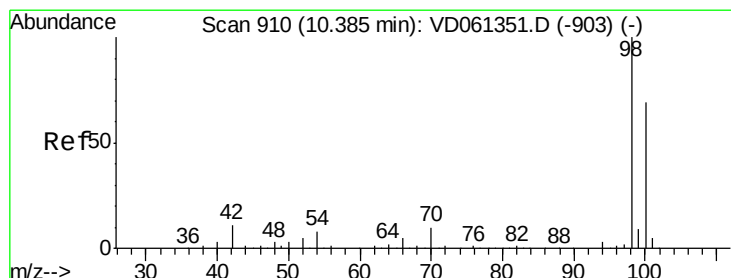
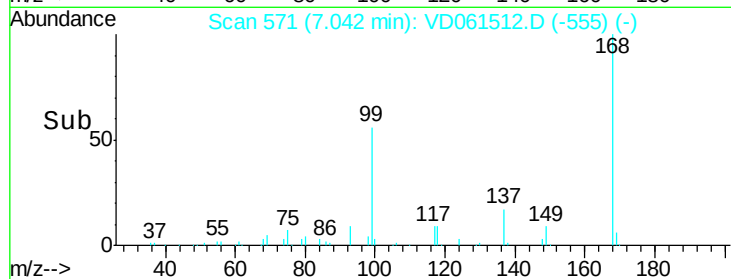
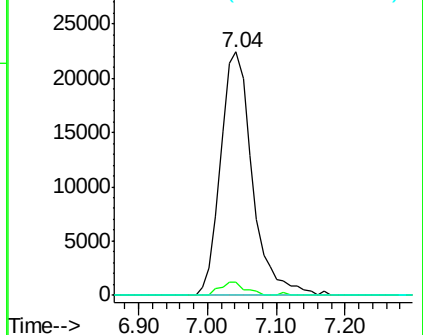
#38
Carbon Tetrachloride
Concen: 5.850 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.05 min
Lab File: VD061512.D
Acq: 2 Apr 2019 14:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 71896
Ion Ratio Lower Upper
117 100
119 5.3 80.1 120.1#
121 0.0 25.6 38.4#

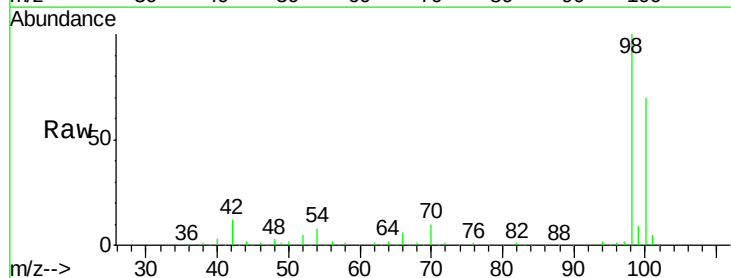


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

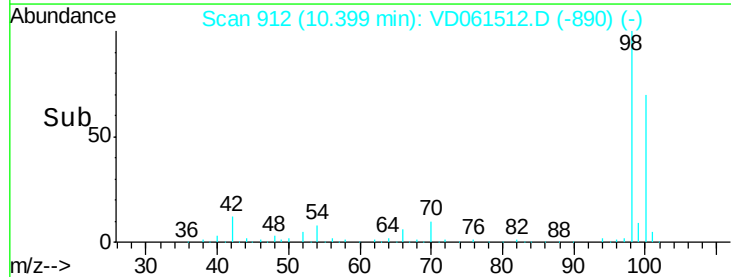
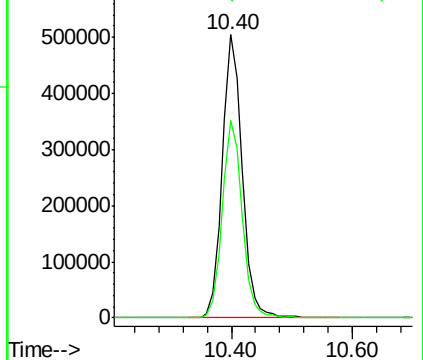


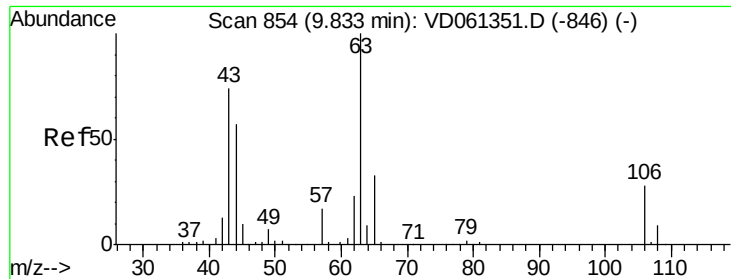
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061512.D
Acq: 2 Apr 2019 14:04

Tgt Ion: 98 Resp: 1154465
Ion Ratio Lower Upper
98 100
100 69.6 56.2 84.2



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

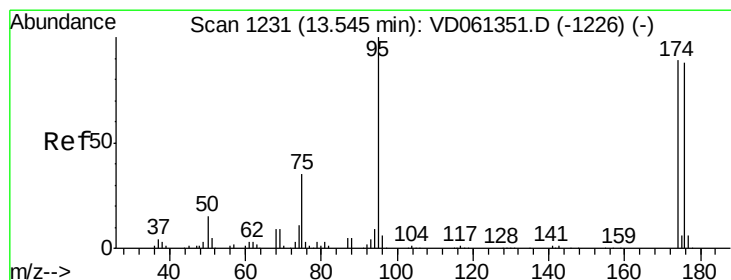
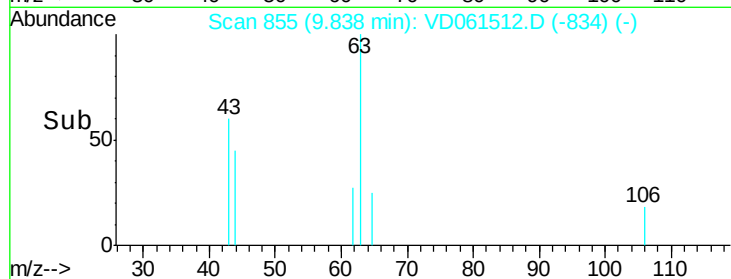
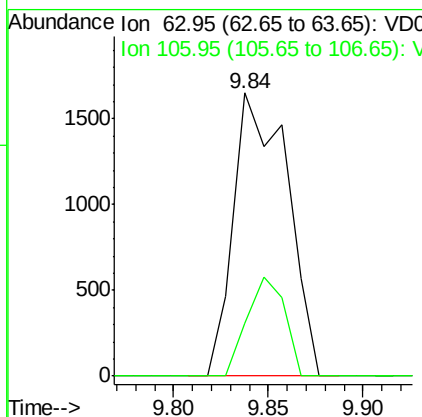
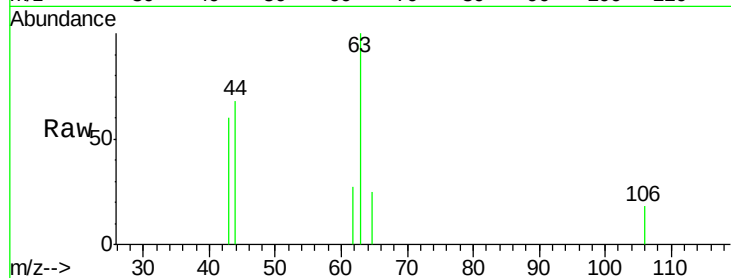




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.082 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VD061512.D
 Acq: 2 Apr 2019 14:04

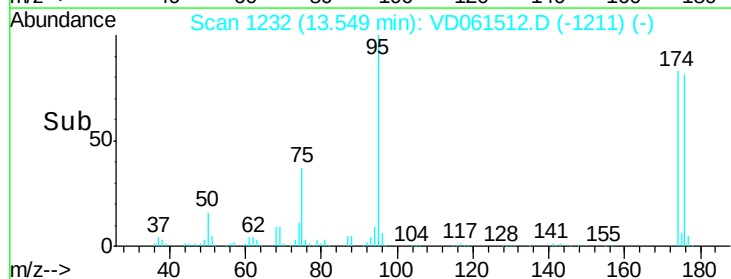
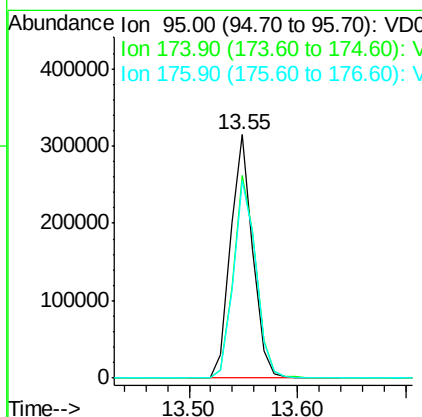
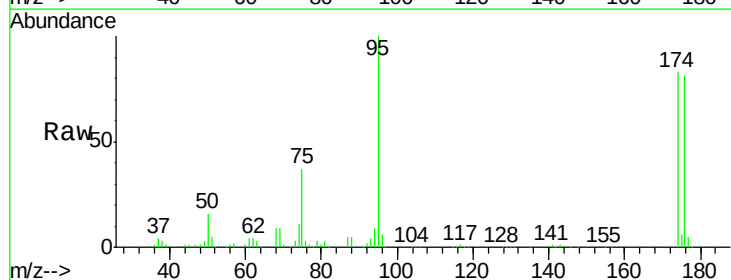
Instrument :
 MSVOA_D
 ClientSampleId :

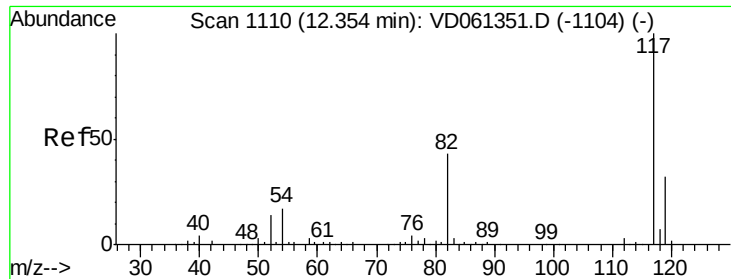
Tot Ion: 63 Resp: 3243
 Ion Ratio Lower Upper
 63 100
 106 18.5 22.4 33.6#



#62
 4-Bromofluorobenzene
 Concen: Below ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061512.D
 Acq: 2 Apr 2019 14:04

Tgt Ion: 95 Resp: 448578
 Ion Ratio Lower Upper
 95 100
 174 83.1 0.0 178.0
 176 81.0 0.0 175.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD061512.D

Acq: 2 Apr 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

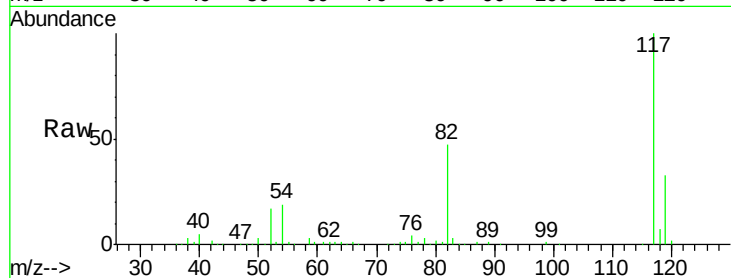
Tot Ion:117 Resp: 932751

Ion Ratio Lower Upper

117 100

82 47.3 34.4 51.6

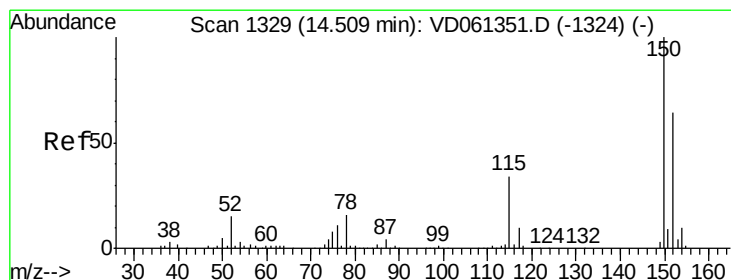
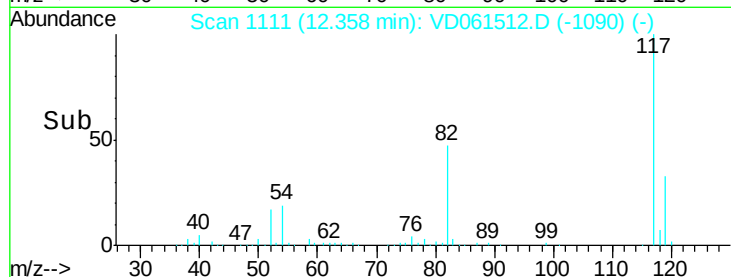
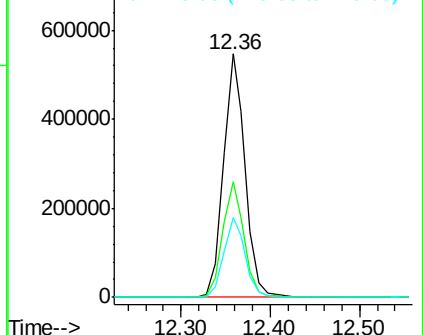
119 32.6 25.8 38.6



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: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061512.D

Acq: 2 Apr 2019 14:04

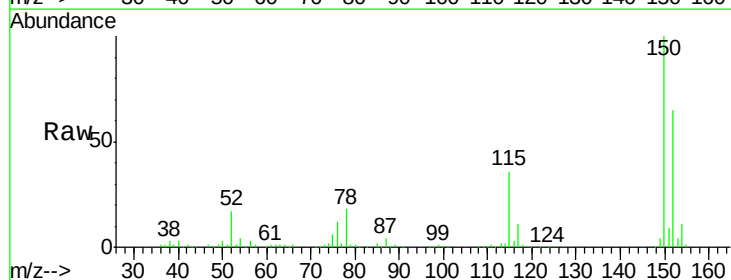
Tgt Ion:152 Resp: 431750

Ion Ratio Lower Upper

152 100

115 55.1 26.9 80.6

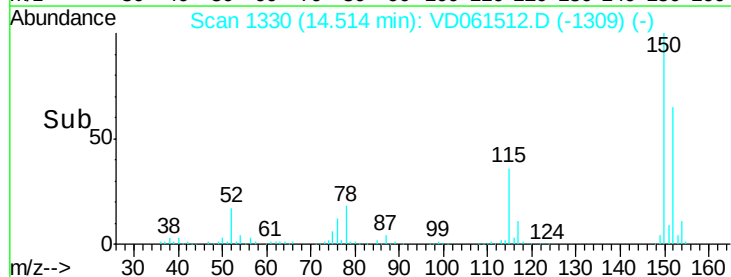
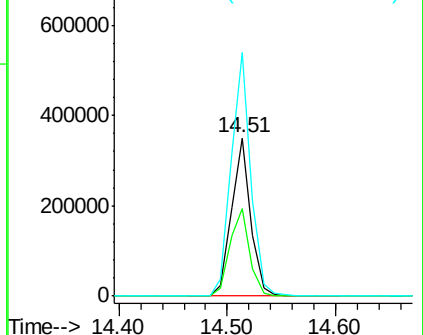
150 153.6 0.0 318.0

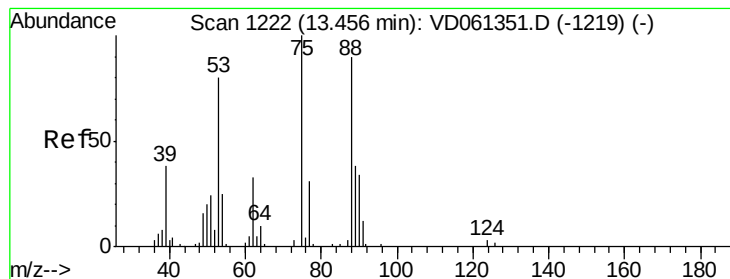


Abundance Ion 151.90 (151.60 to 152.60): V

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: 86.763 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061512.D

Acq: 2 Apr 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

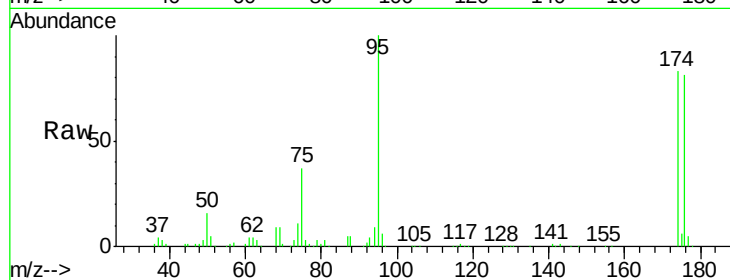
Tot Ion: 75 Resp: 164988

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

