

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061466.D
 Acq On : 1 Apr 2019 13:55
 Operator : VA/AP
 Sample : VD0401SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 01:16:53 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	7.06	168	752301	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.22	114	1281665	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	1017688	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	480833	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	357807	55.68	ug/l	0.03
Spiked Amount 50.000			Recovery	=	111.36%	
35) Dibromofluoromethane	6.93	113	582123	59.43	ug/l	0.03
Spiked Amount 50.000			Recovery	=	118.86%	
50) Toluene-d8	10.41	98	1296982	55.21	ug/l	0.03
Spiked Amount 50.000			Recovery	=	110.42%	
62) 4-Bromofluorobenzene	13.55	95	510945	56.72	ug/l	0.01
Spiked Amount 50.000			Recovery	=	113.44%	

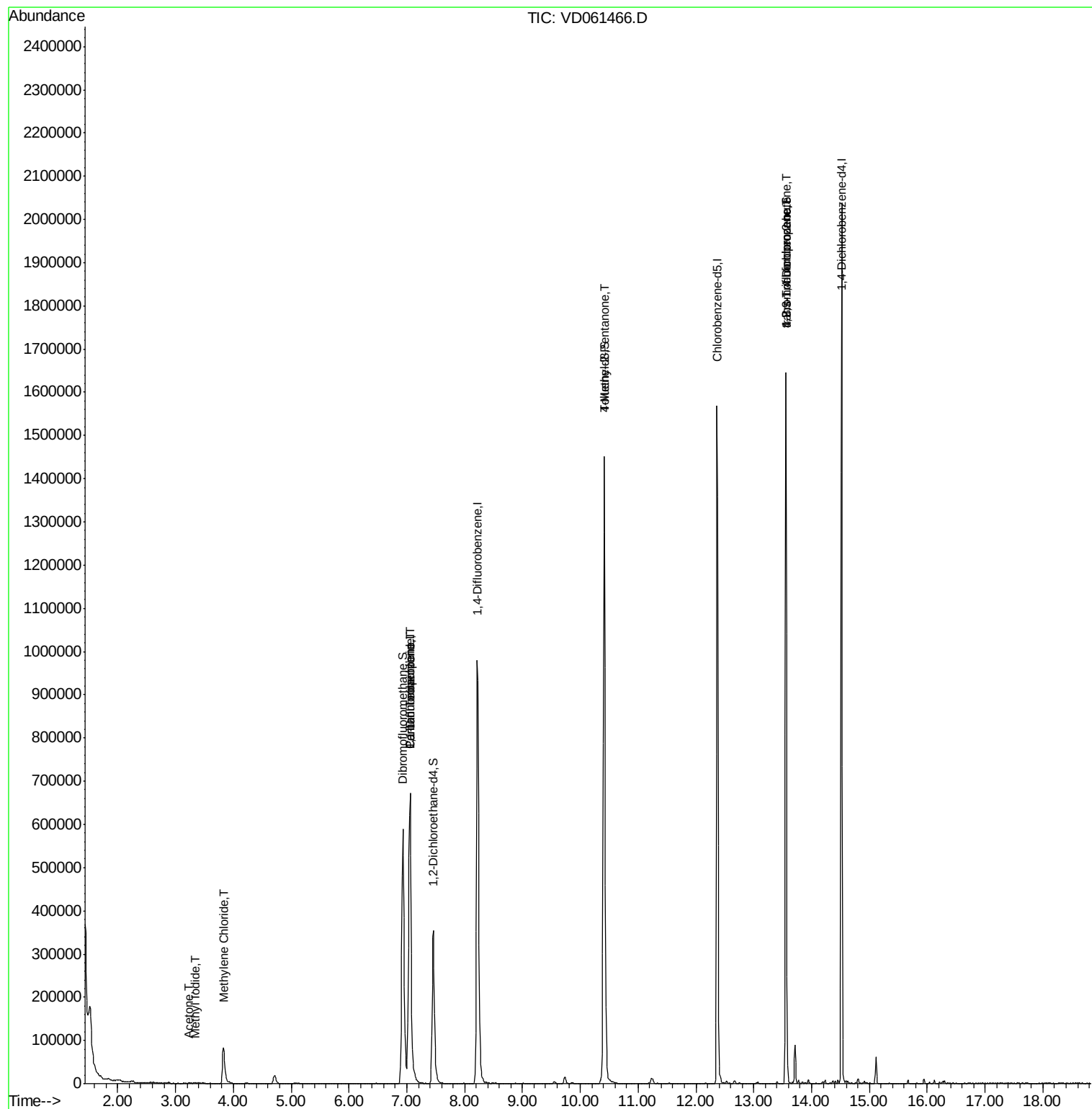
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.34	142	2782	3.647	ug/l #	38
16) Acetone	3.23	43	1963	1.188	ug/l #	48
20) Methylene Chloride	3.83	84	64254	5.223	ug/l	95
36) 1,1-Dichloropropene	7.05	75	56036	5.009	ug/l #	44
38) Carbon Tetrachloride	7.06	117	70985	5.522	ug/l #	13
51) 4-Methyl-2-Pentanone	10.41	43	6650	1.570	ug/l #	1
76) 1,2,3-Trichloropropane	13.55	75	134086	19.305	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	187704	88.633	ug/l #	18

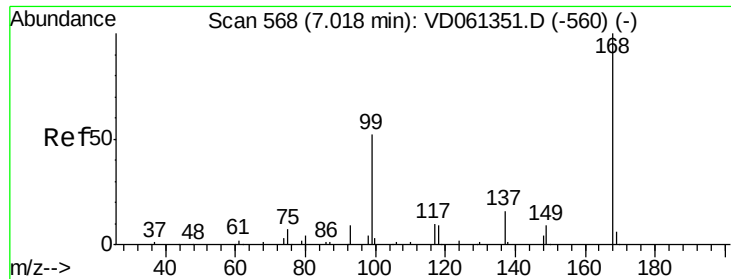
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040119\
Data File : VD061466.D
Acq On : 1 Apr 2019 13:55
Operator : VA/AP
Sample : VD0401SBL01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 02 01:16:53 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: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD061466.D

Acq: 1 Apr 2019 13:55

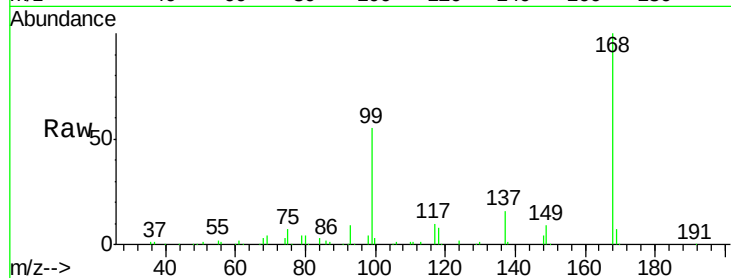
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 752301

Ion Ratio Lower Upper

168 100

99 54.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.06

250000

200000

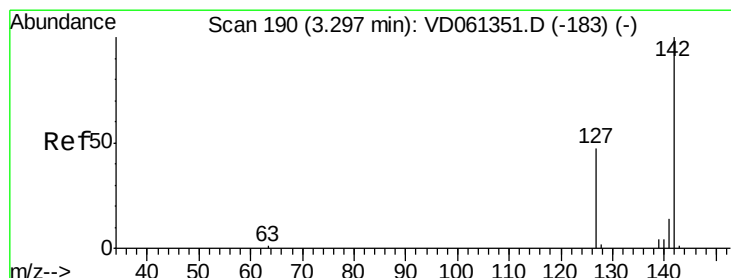
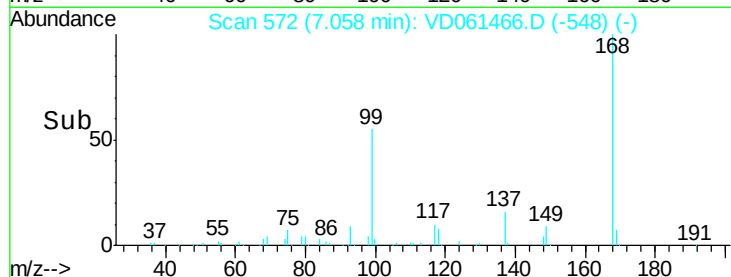
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.647 ug/l

RT: 3.34 min Scan# 194

Delta R.T. 0.04 min

Lab File: VD061466.D

Acq: 1 Apr 2019 13:55

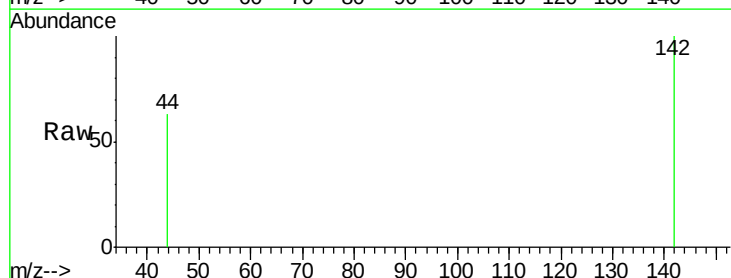
Tgt Ion:142 Resp: 2782

Ion Ratio Lower Upper

142 100

127 0.0 37.7 56.5#

141 0.0 11.5 17.3#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.34

1200

1000

800

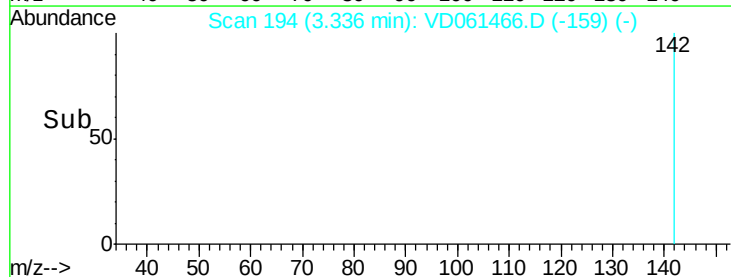
600

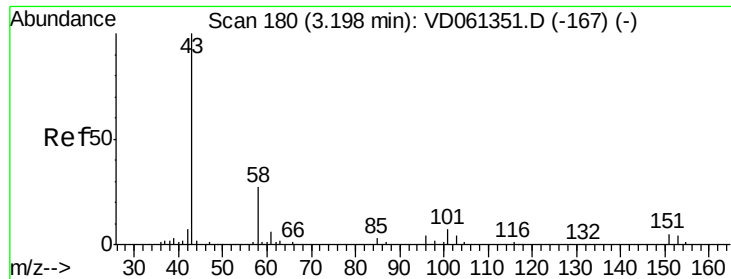
400

200

0

Time--> 3.25 3.30 3.35 3.40





#16

Acetone

Concen: 1.188 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD061466.D

Acq: 1 Apr 2019 13:55

Instrument :

MSVOA_D

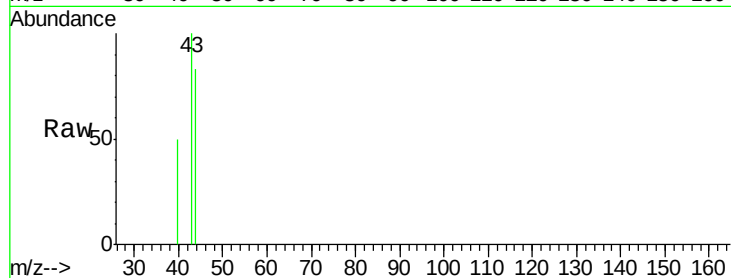
ClientSampleId :

Tot Ion: 43 Resp: 1963

Ion Ratio Lower Upper

43 100

58 0.0 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

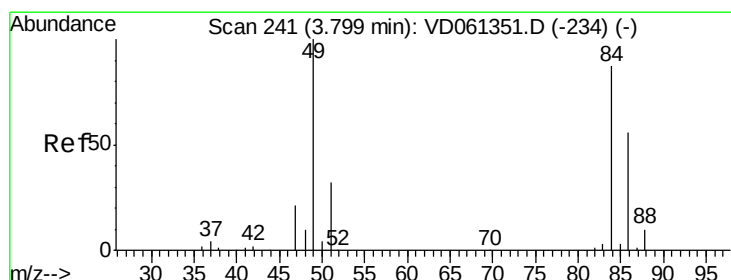
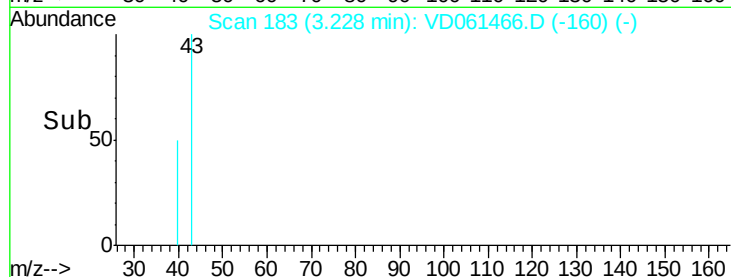
600

400

200

0

Time--> 3.15 3.20 3.25 3.30



#20

Methylene Chloride

Concen: 5.223 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD061466.D

Acq: 1 Apr 2019 13:55

Tgt Ion: 84 Resp: 64254

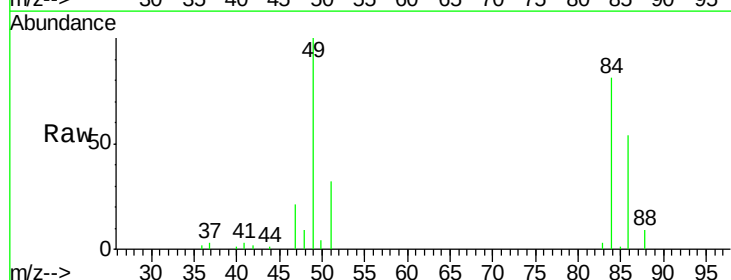
Ion Ratio Lower Upper

84 100

49 123.1 91.8 137.8

51 39.8 29.8 44.8

86 66.1 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

40000

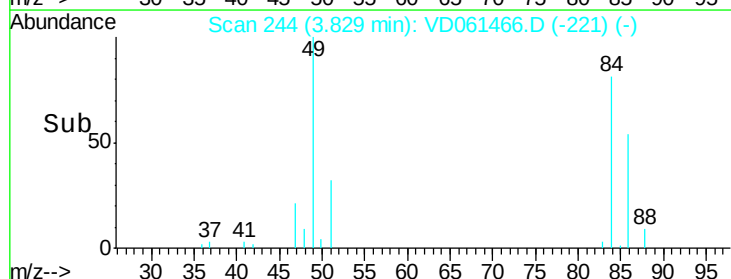
30000

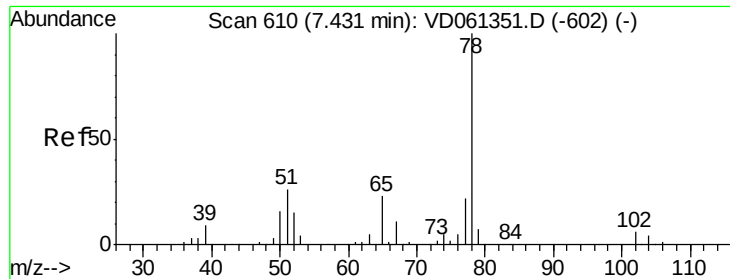
20000

10000

0

Time--> 3.70 3.80 3.90 4.00

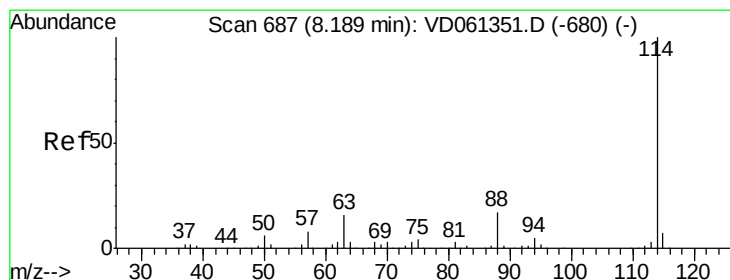
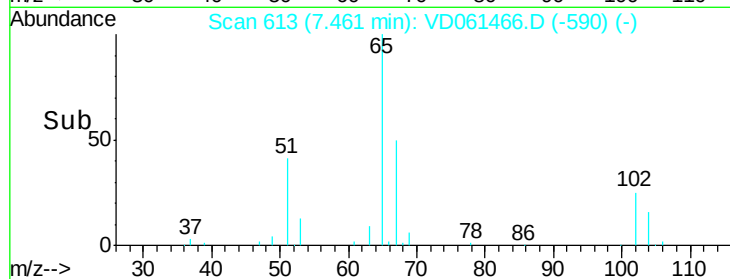
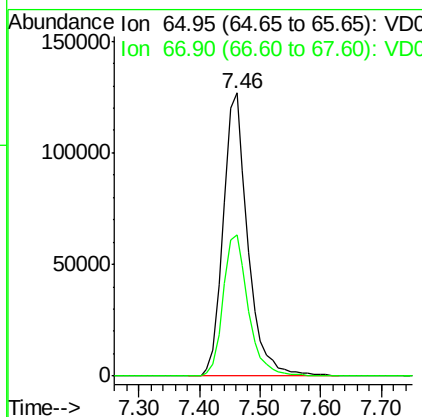
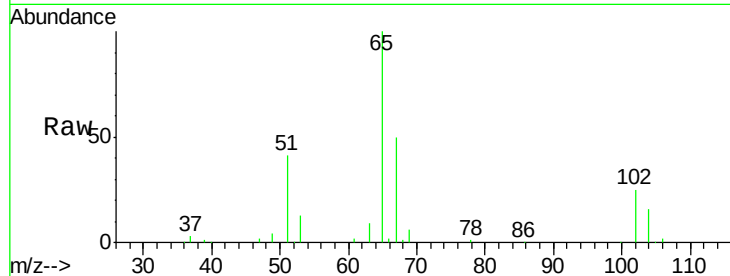




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.03 min
 Lab File: VD061466.D
 Acq: 1 Apr 2019 13:55

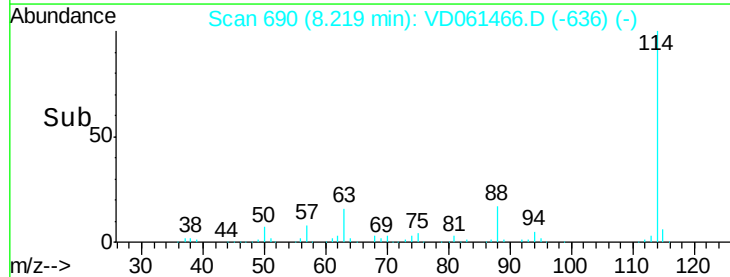
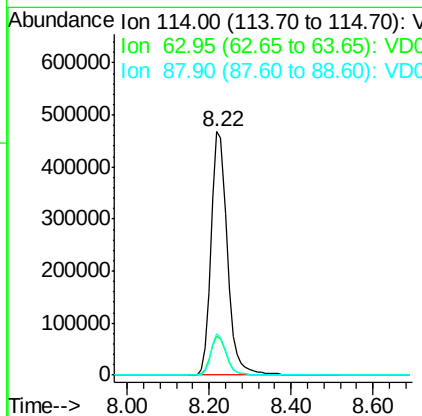
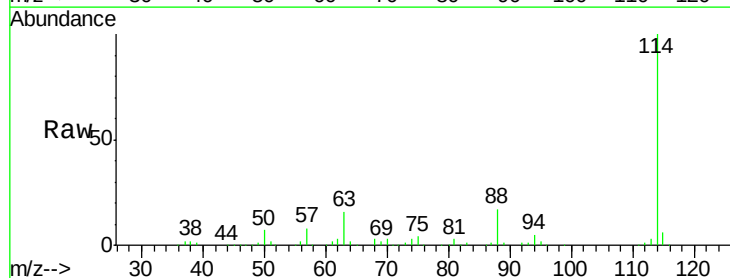
Instrument :
 MSVOA_D
 ClientSampleId :

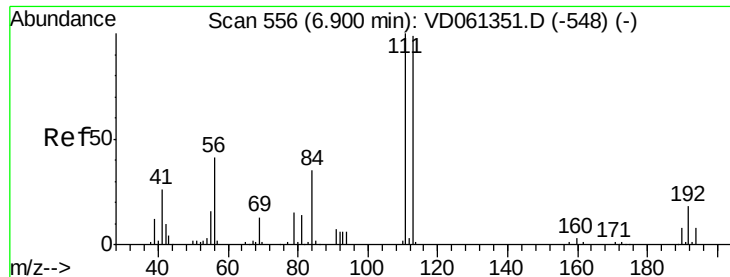
Tot Ion: 65 Resp: 357807
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.03 min
 Lab File: VD061466.D
 Acq: 1 Apr 2019 13:55

Tgt Ion: 114 Resp: 1281665
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.6
 88 17.0 0.0 33.4

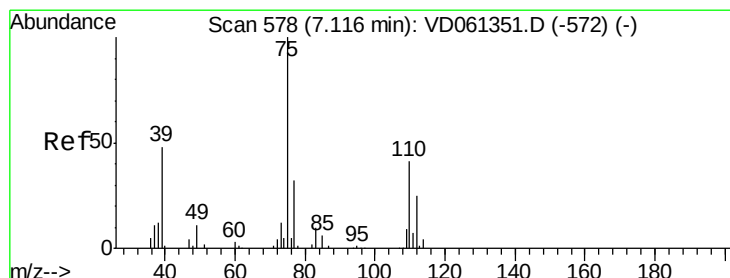
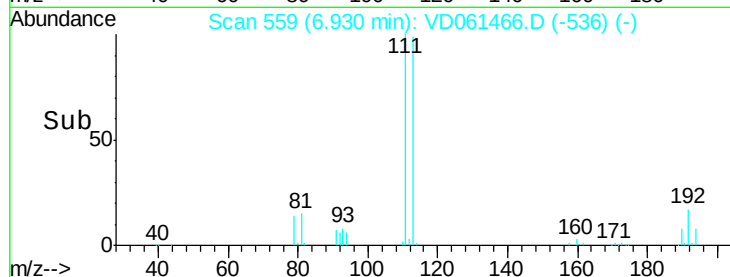
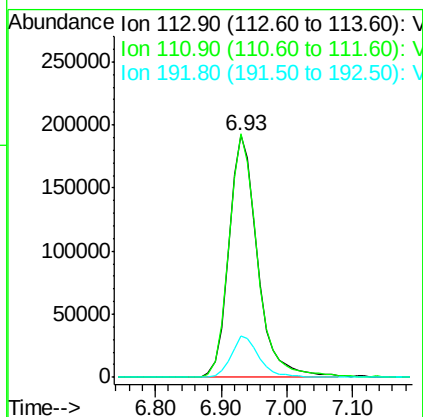
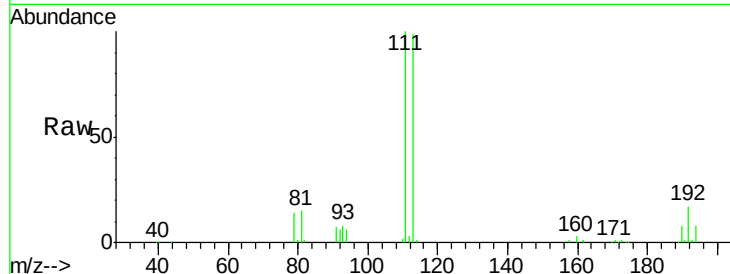




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD061466.D
 Acq: 1 Apr 2019 13:55

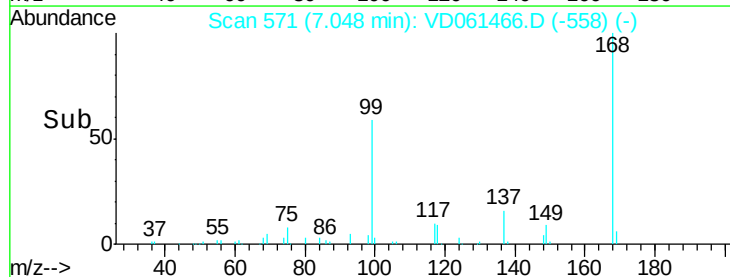
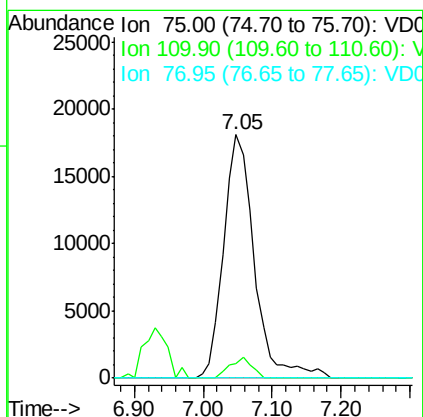
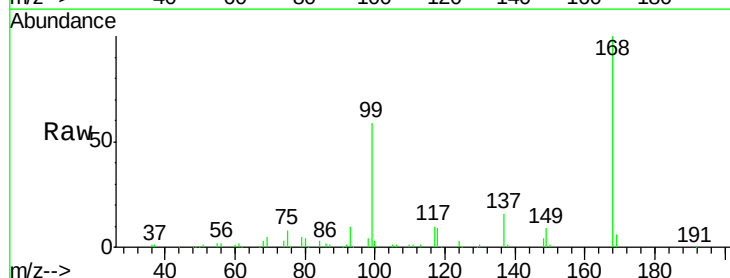
Instrument :
 MSVOA_D
 ClientSampled :

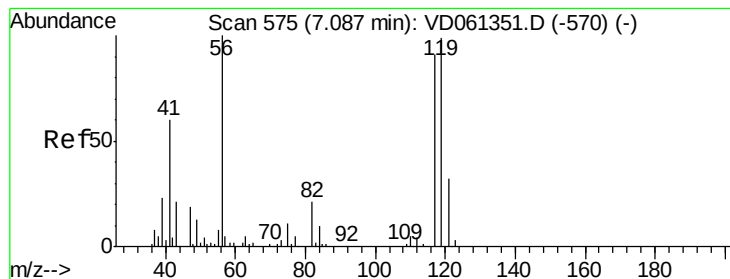
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.0	121.6
192	17.0	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 5.009 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD061466.D
 Acq: 1 Apr 2019 13:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.9	20.4	61.3#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.522 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.03 min

Lab File: VD061466.D

Acq: 1 Apr 2019 13:55

Instrument :

MSVOA_D

ClientSampleId :

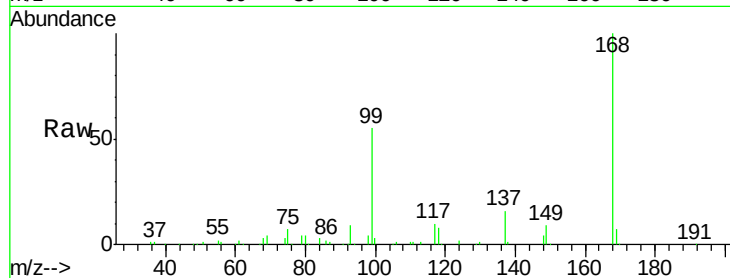
Tot Ion:117 Resp: 70985

Ion Ratio Lower Upper

117 100

119 4.0 80.1 120.1#

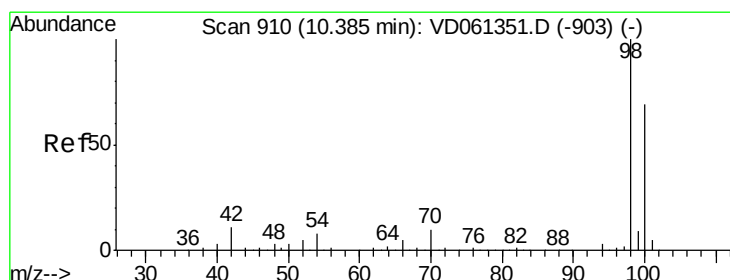
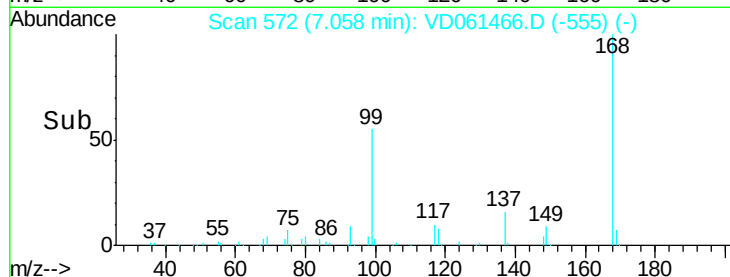
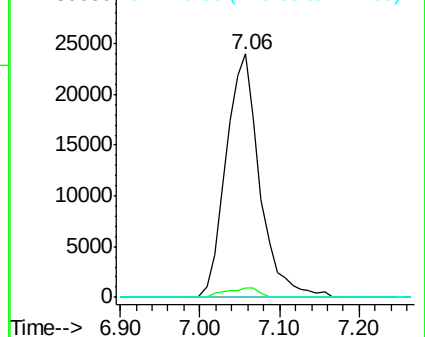
121 0.0 25.6 38.4#



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: 10.41 min Scan# 913

Delta R.T. 0.03 min

Lab File: VD061466.D

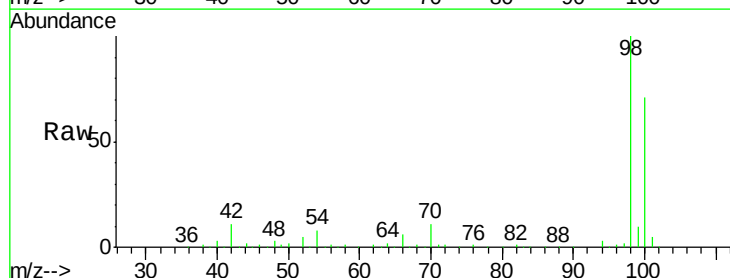
Acq: 1 Apr 2019 13:55

Tgt Ion: 98 Resp: 1296982

Ion Ratio Lower Upper

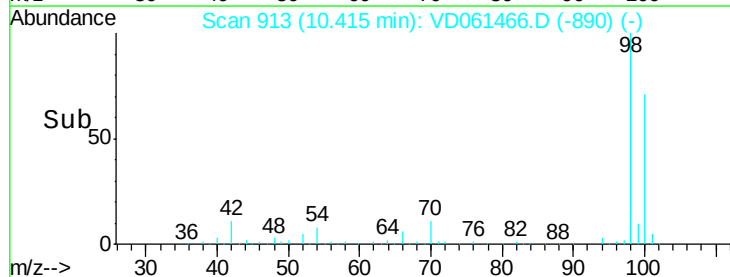
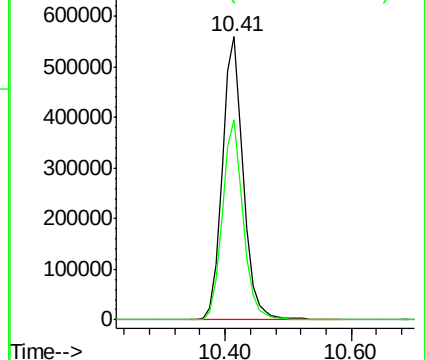
98 100

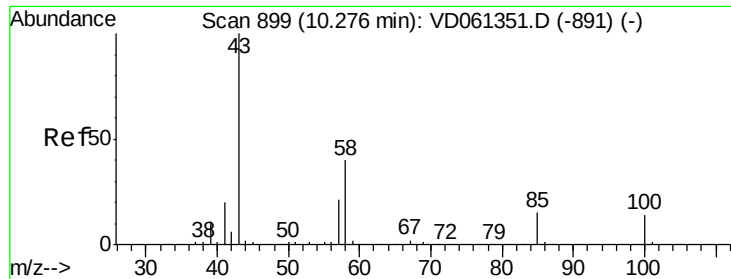
100 70.6 56.2 84.2



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: 1.570 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.14 min

Lab File: VD061466.D

Acq: 1 Apr 2019 13:55

Instrument :

MSVOA_D

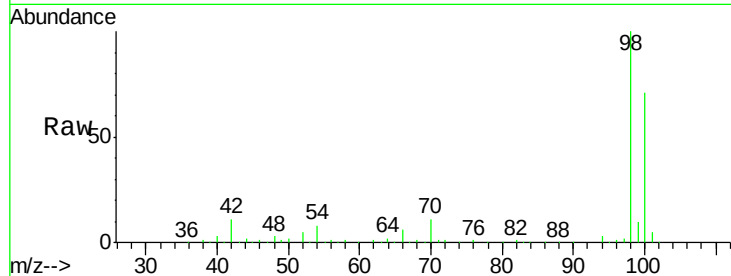
ClientSampleId :

Tot Ion: 43 Resp: 6650

Ion Ratio Lower Upper

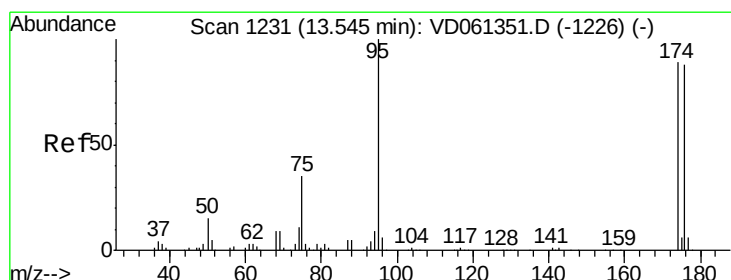
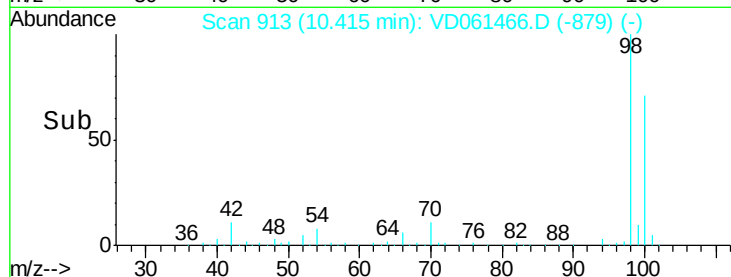
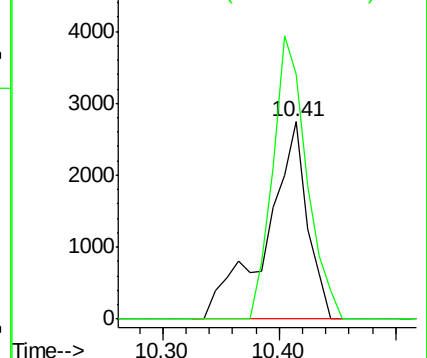
43 100

58 124.2 31.8 47.8#



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: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061466.D

Acq: 1 Apr 2019 13:55

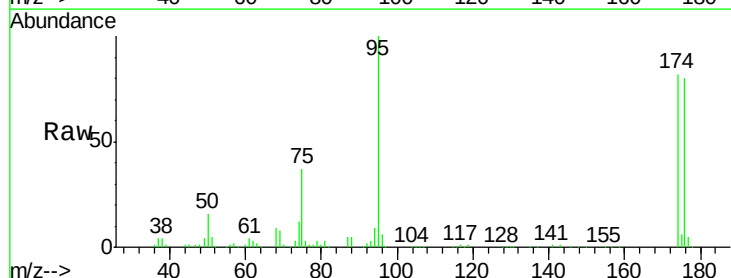
Tgt Ion: 95 Resp: 510945

Ion Ratio Lower Upper

95 100

174 82.3 0.0 178.0

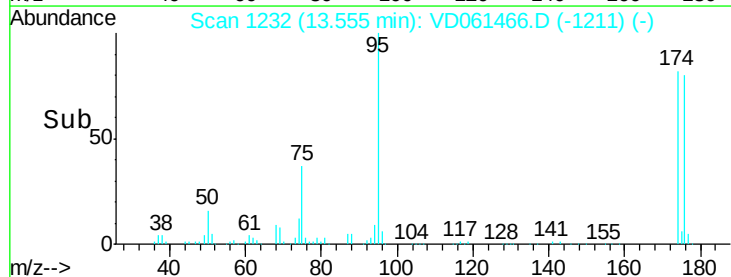
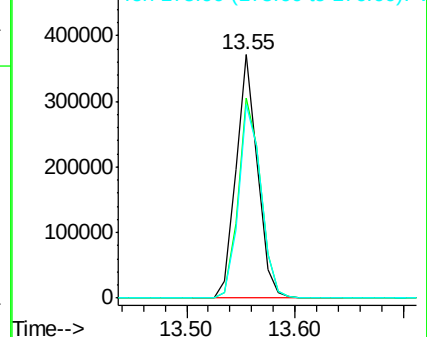
176 79.6 0.0 175.0

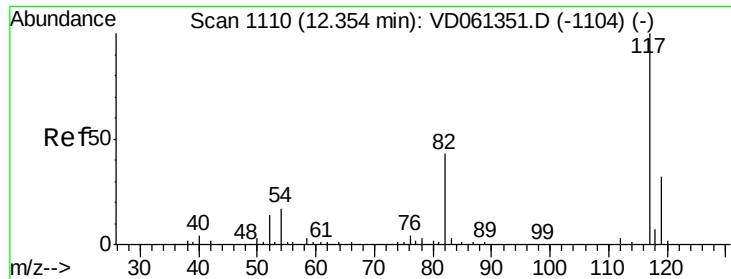


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

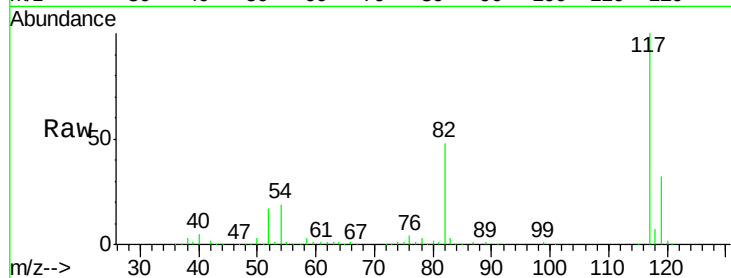




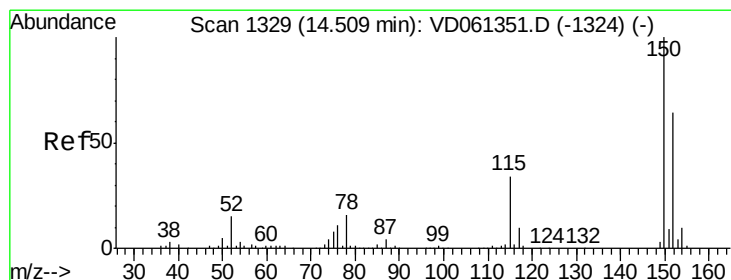
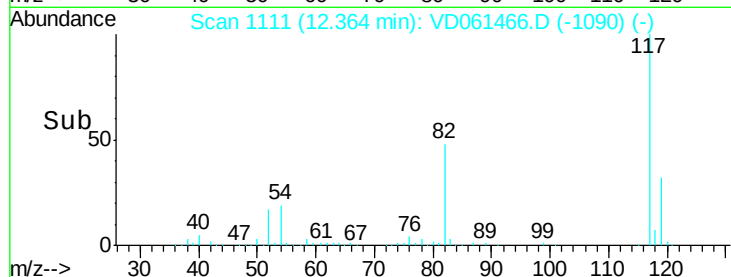
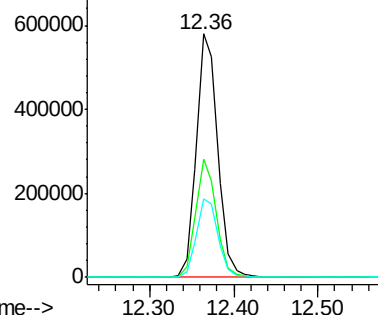
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061466.D
Acq: 1 Apr 2019 13:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1017688
Ion Ratio Lower Upper
117 100
82 48.4 34.4 51.6
119 32.0 25.8 38.6

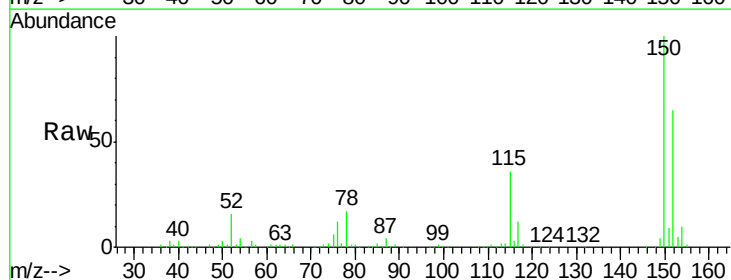


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

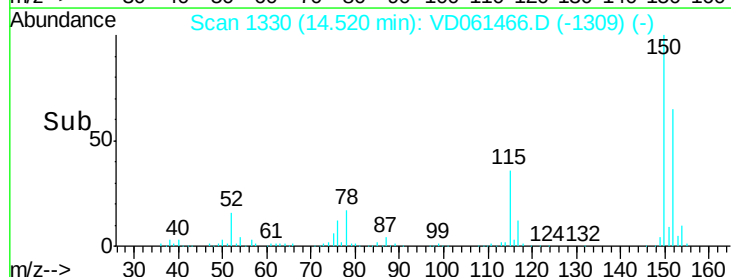
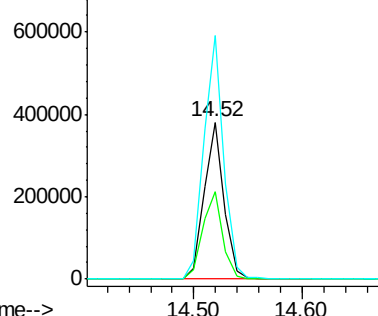


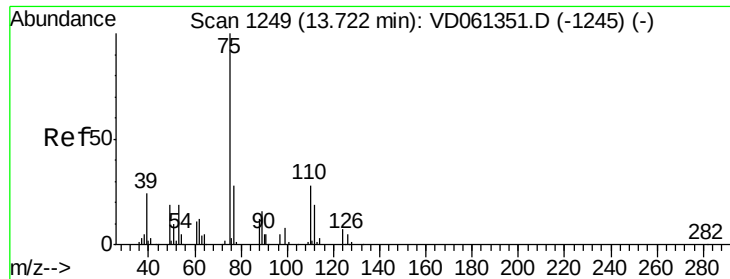
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061466.D
Acq: 1 Apr 2019 13:55

Tgt Ion:152 Resp: 480833
Ion Ratio Lower Upper
152 100
115 55.7 26.9 80.6
150 154.9 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

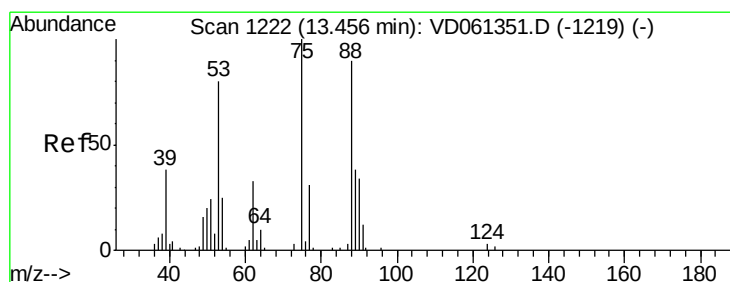
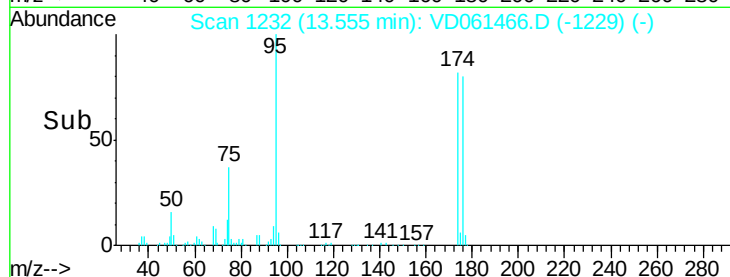
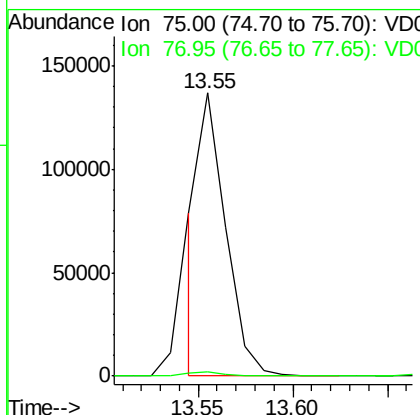
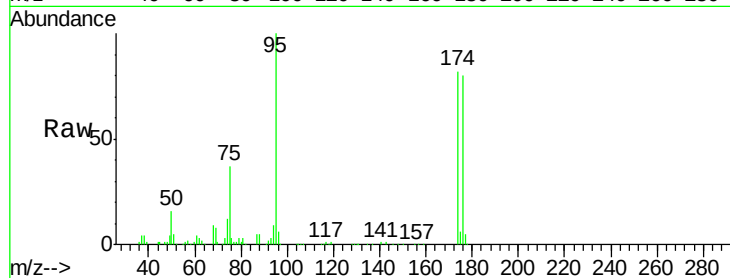




#76
 1,2,3-Trichloropropane
 Concen: 19.305 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.17 min
 Lab File: VD061466.D
 Acq: 1 Apr 2019 13:55

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 75 Resp: 134086
 Ion Ratio Lower Upper
 75 100
 77 1.6 16.2 48.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.633 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.10 min
 Lab File: VD061466.D
 Acq: 1 Apr 2019 13:55

Tgt Ion: 75 Resp: 187704
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.8#
 89 0.0 30.5 45.7#

