

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061565.D
 Acq On : 3 Apr 2019 19:43
 Operator : VA/AP
 Sample : K2209-07
 Misc : 5.91g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 04 01:51:17 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

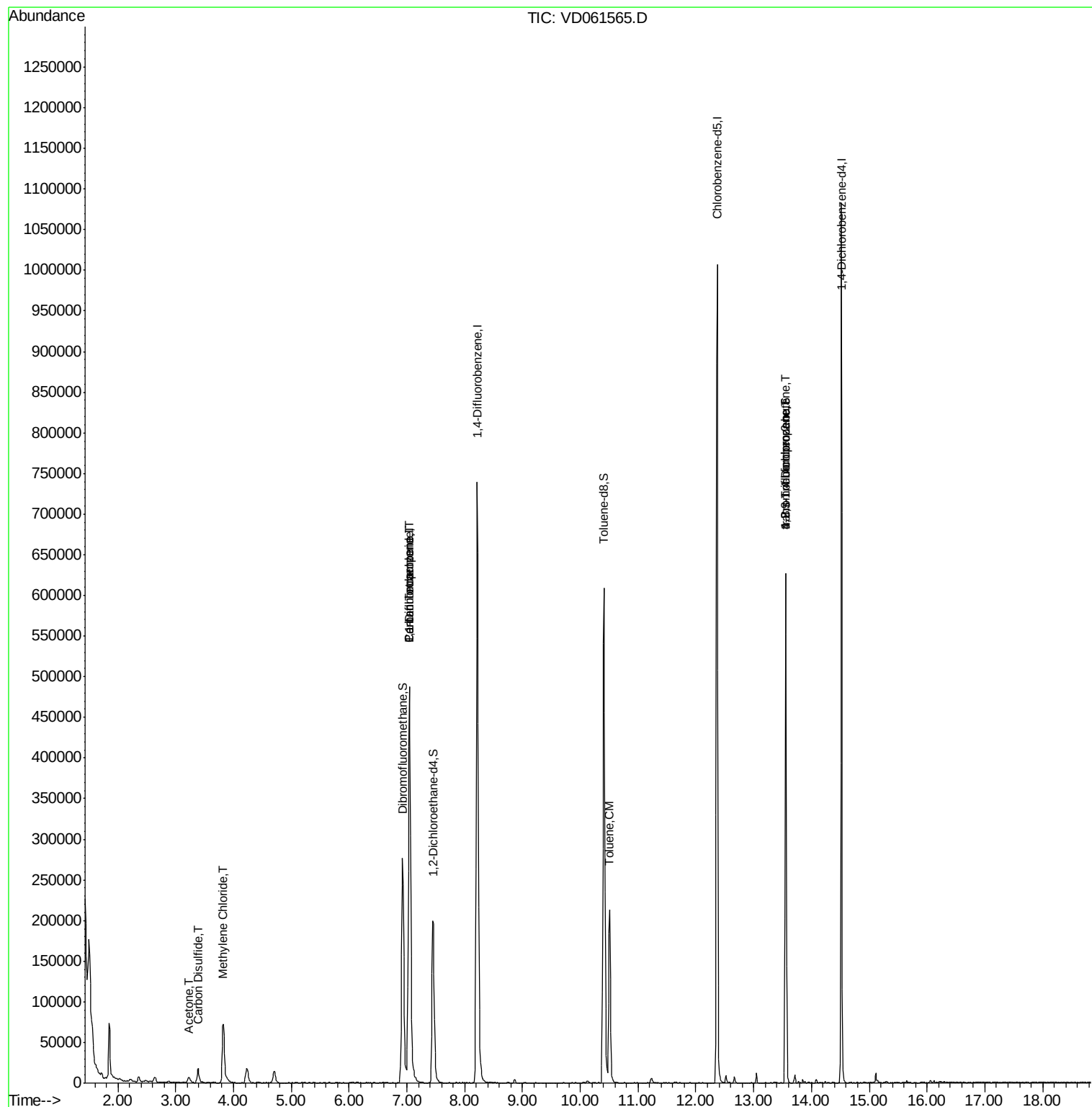
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	512731	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	900366	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	656269	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	249521	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	182433	41.65	ug/l	0.02
Spiked Amount 50.000			Recovery	=	83.30%	
35) Dibromofluoromethane	6.92	113	263574	38.31	ug/l	0.03
Spiked Amount 50.000			Recovery	=	76.62%	
50) Toluene-d8	10.41	98	562528	34.09	ug/l	0.03
Spiked Amount 50.000			Recovery	=	68.18%	
62) 4-Bromofluorobenzene	13.55	95	206153	32.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.16%	
Target Compounds						
16) Acetone	3.22	43	14396	12.786	ug/l	92
17) Carbon Disulfide	3.39	76	35774	2.001	ug/l	98
20) Methylene Chloride	3.82	84	55678	7.183	ug/l	97
36) 1,1-Dichloropropene	7.04	75	37682	4.795	ug/l #	45
38) Carbon Tetrachloride	7.04	117	49191	5.448	ug/l #	13
52) Toluene	10.51	92	113614	9.443	ug/l	95
76) 1,2,3-Trichloropropane	13.55	75	63406	17.591	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	76977	70.044	ug/l #	18

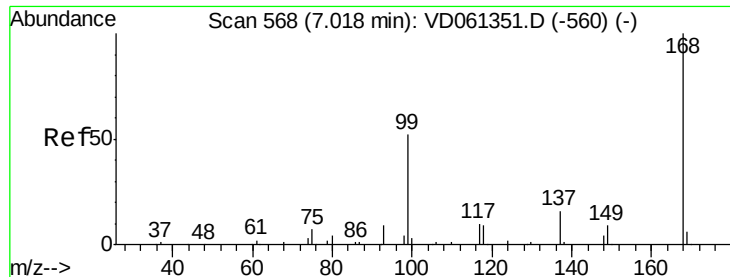
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040319\
Data File : VD061565.D
Acq On : 3 Apr 2019 19:43
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Misc : 5.91a/5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 04 01:51:17 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: VD061565.D

Acq: 3 Apr 2019 19:43

Instrument :

MSVOA_D

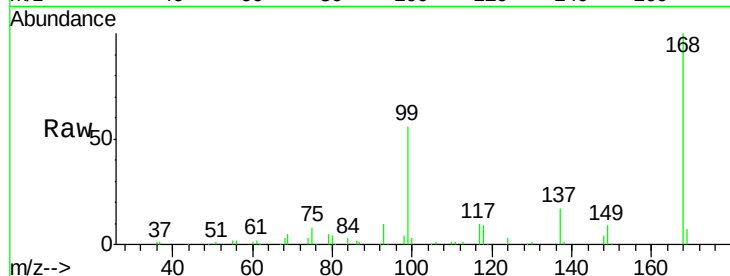
ClientSampleId :

Tot Ion:168 Resp: 512731

Ion Ratio Lower Upper

168 100

99 56.2 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

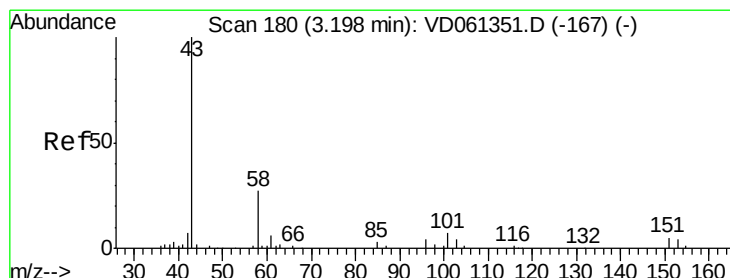
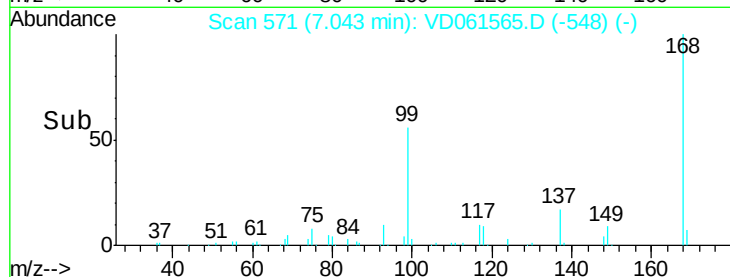
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 12.786 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061565.D

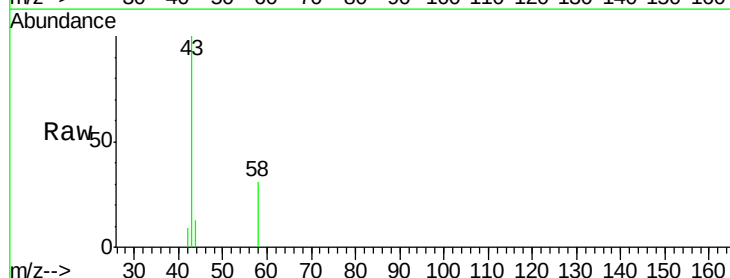
Acq: 3 Apr 2019 19:43

Tgt Ion: 43 Resp: 14396

Ion Ratio Lower Upper

43 100

58 30.9 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

5000

4000

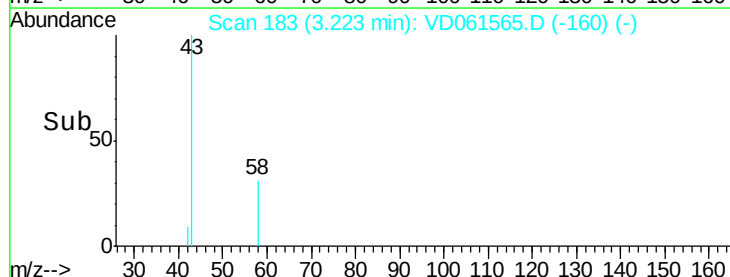
3000

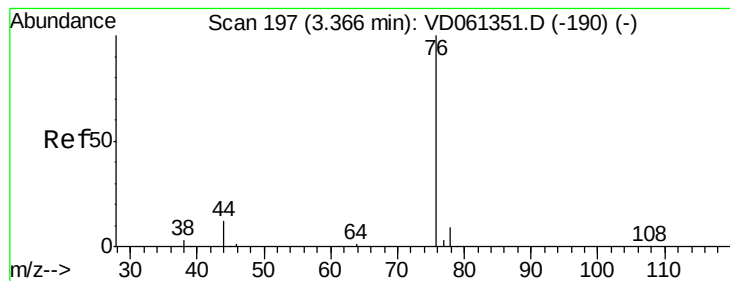
2000

1000

0

Time--> 3.10 3.20 3.30





#17

Carbon Disulfide

Concen: 2.001 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.02 min

Lab File: VD061565.D

Acq: 3 Apr 2019 19:43

Instrument :

MSVOA_D

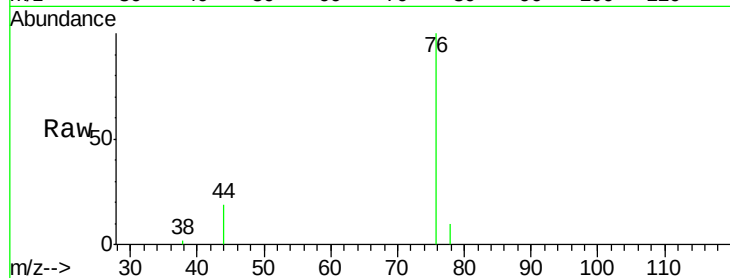
ClientSampleId :

Tot Ion: 76 Resp: 35774

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

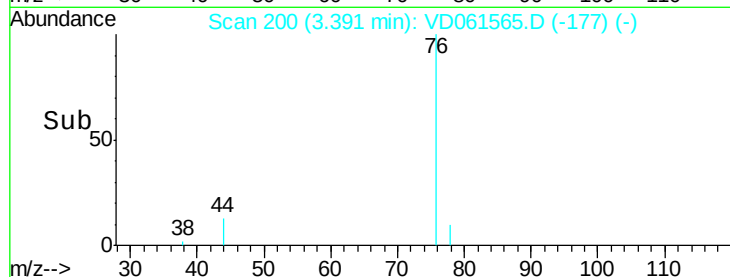
15000

10000

5000

0

Time-->



3.39

3.40

3.50

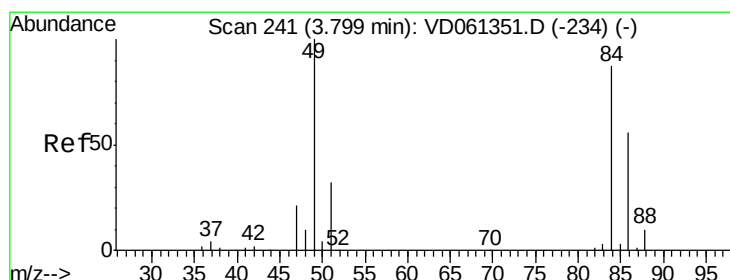
3.60

3.70

3.80

3.90

4.00



#20

Methylene Chloride

Concen: 7.183 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061565.D

Acq: 3 Apr 2019 19:43

Tgt Ion: 84 Resp: 55678

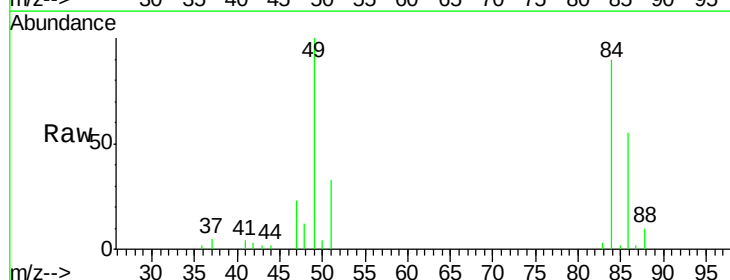
Ion Ratio Lower Upper

84 100

49 111.4 91.8 137.8

51 37.2 29.8 44.8

86 61.2 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

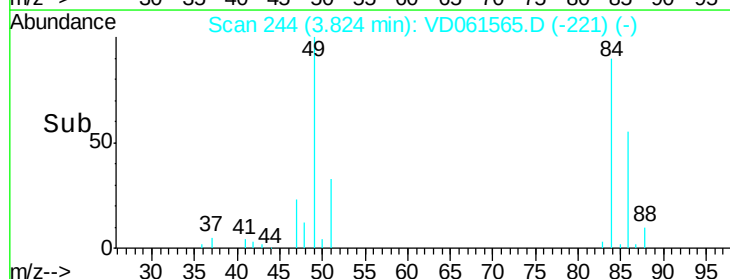
30000

20000

10000

0

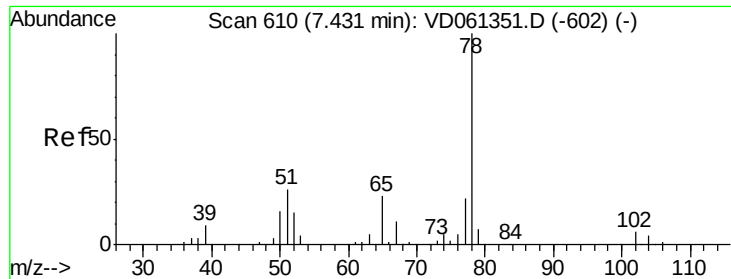
Time-->



3.82

3.90

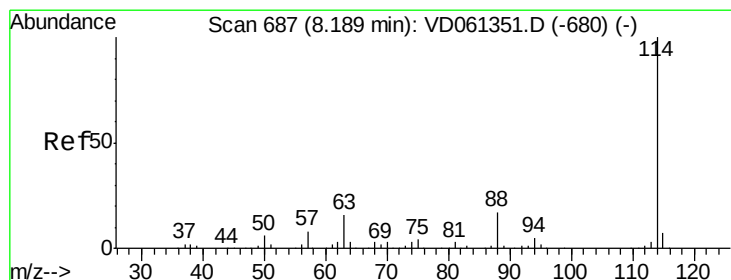
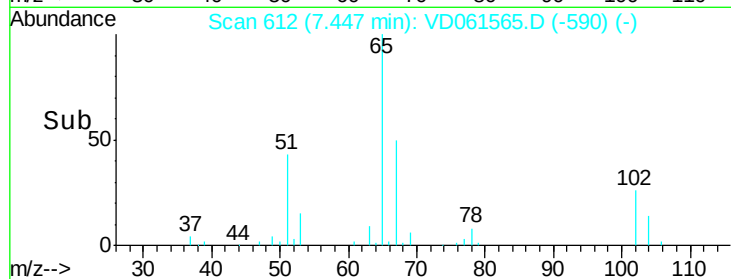
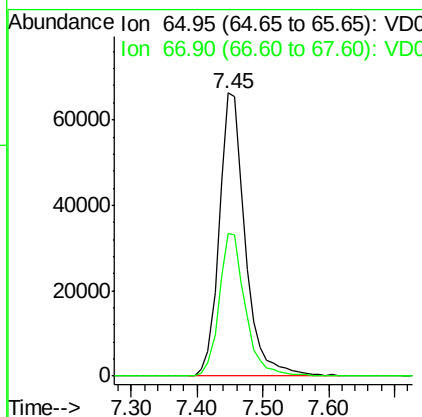
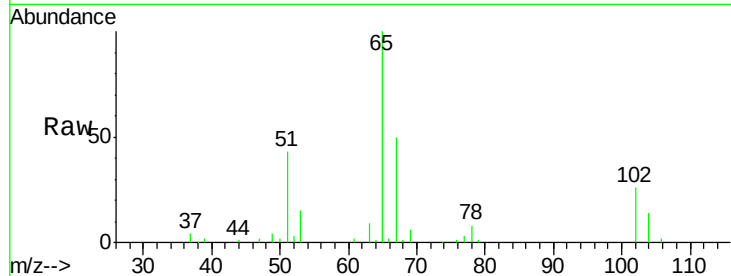
4.00



#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.02 min
 Lab File: VD061565.D
 Acq: 3 Apr 2019 19:43

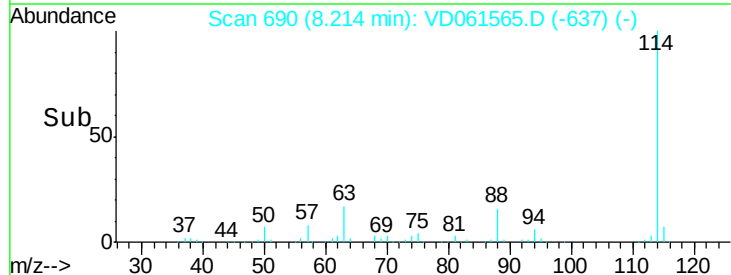
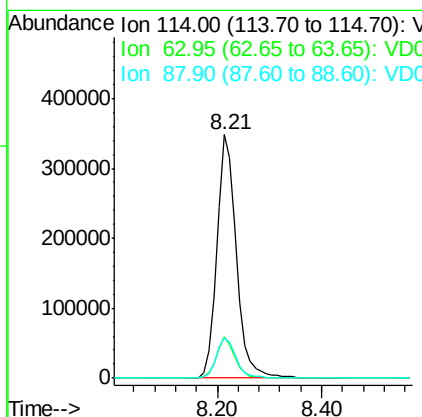
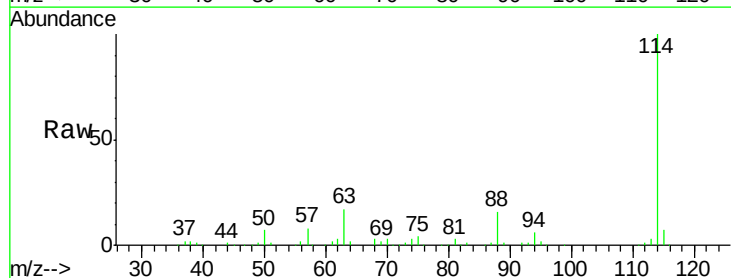
Instrument :
 MSVOA_D
 ClientSampleId :

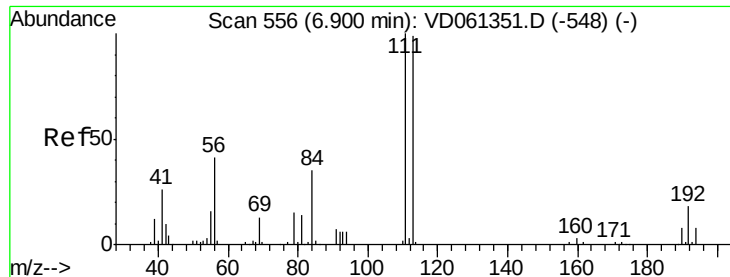
Tot Ion: 65 Resp: 182433
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.03 min
 Lab File: VD061565.D
 Acq: 3 Apr 2019 19:43

Tgt Ion:114 Resp: 900366
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 31.6
 88 16.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD061565.D

Acq: 3 Apr 2019 19:43

Instrument :

MSVOA_D

ClientSampleId :

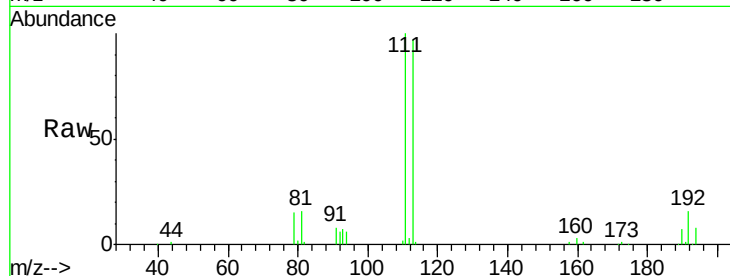
Tot Ion:113 Resp: 263574

Ion Ratio Lower Upper

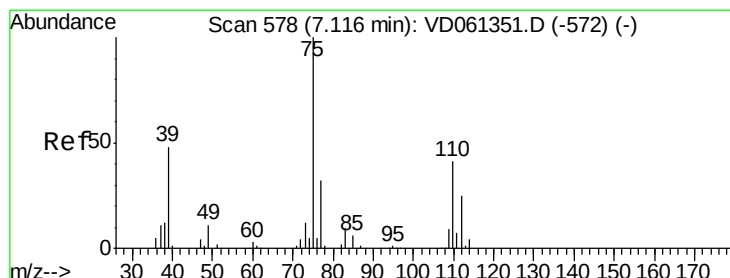
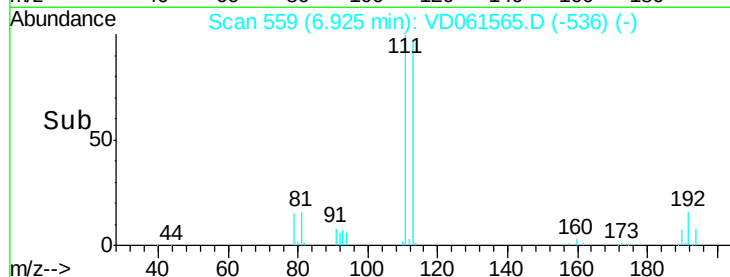
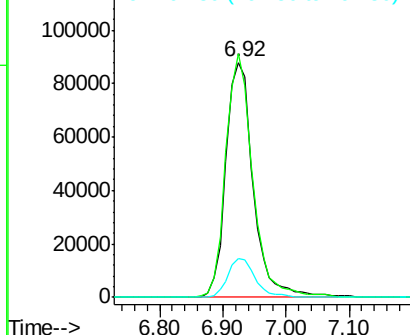
113 100

111 103.5 81.0 121.6

192 16.5 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: 4.795 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061565.D

Acq: 3 Apr 2019 19:43

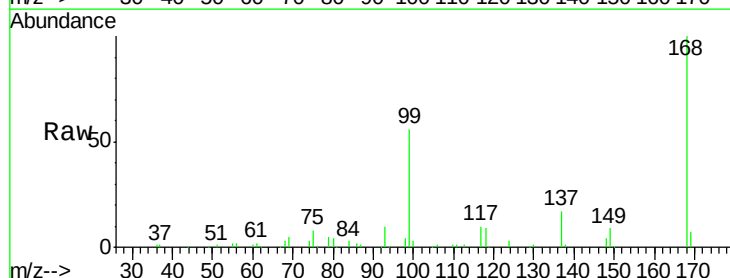
Tgt Ion: 75 Resp: 37682

Ion Ratio Lower Upper

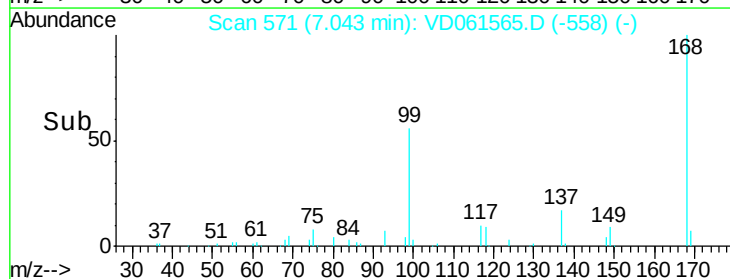
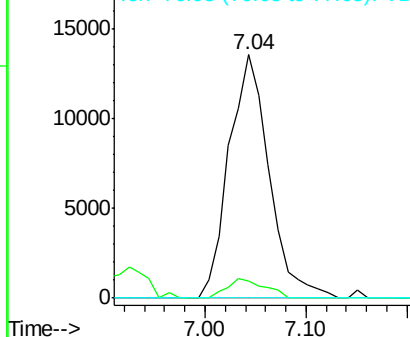
75 100

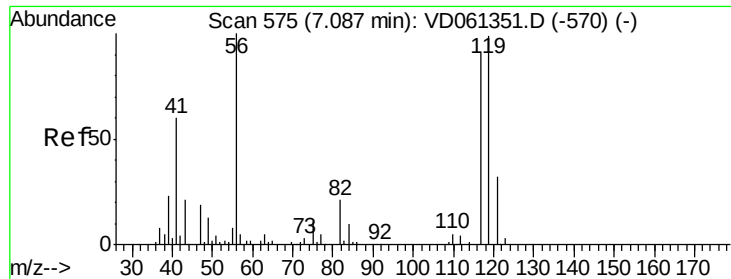
110 7.0 20.4 61.3#

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: 5.448 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.04 min

Lab File: VD061565.D

Acq: 3 Apr 2019 19:43

Instrument :

MSVOA_D

ClientSampleId :

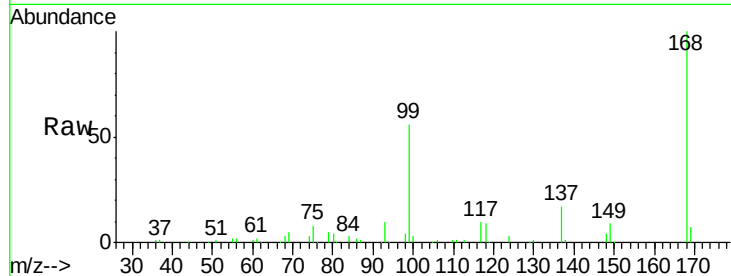
Tot Ion:117 Resp: 49191

Ion Ratio Lower Upper

117 100

119 4.1 80.1 120.1#

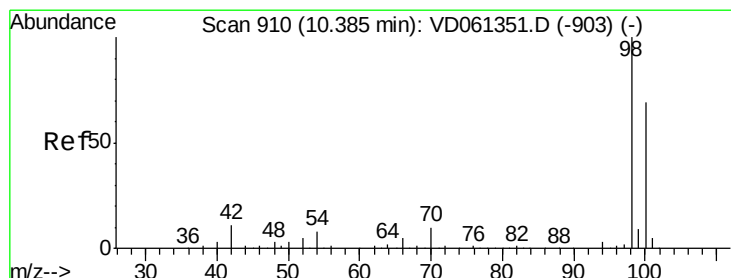
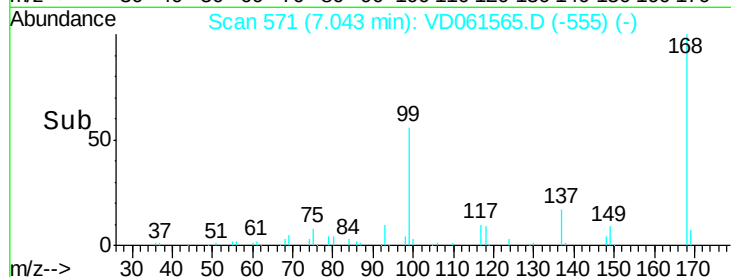
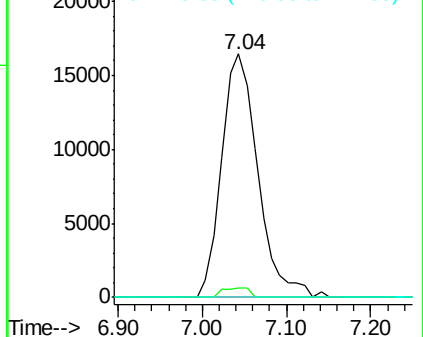
121 0.0 25.6 38.4#



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: VD061565.D

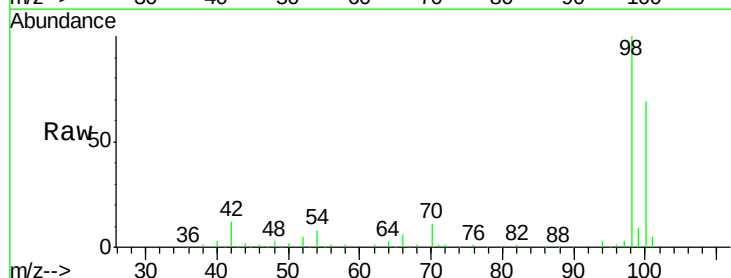
Acq: 3 Apr 2019 19:43

Tgt Ion: 98 Resp: 562528

Ion Ratio Lower Upper

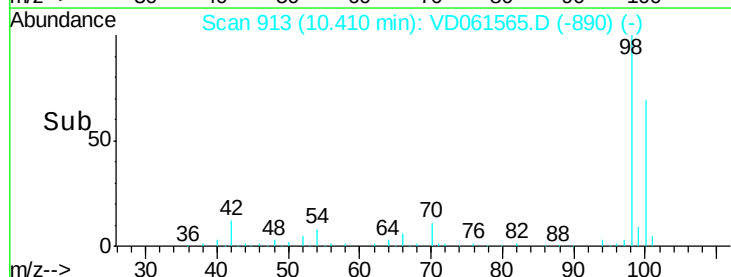
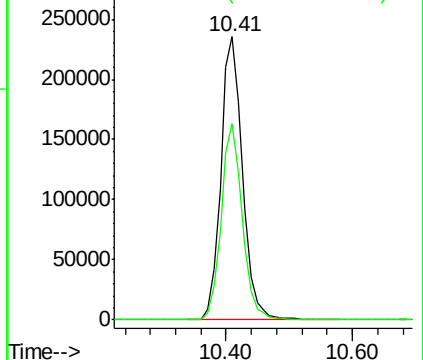
98 100

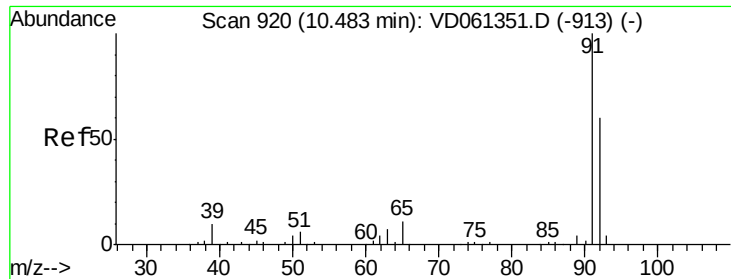
100 69.3 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 9.443 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.03 min

Lab File: VD061565.D

Acq: 3 Apr 2019 19:43

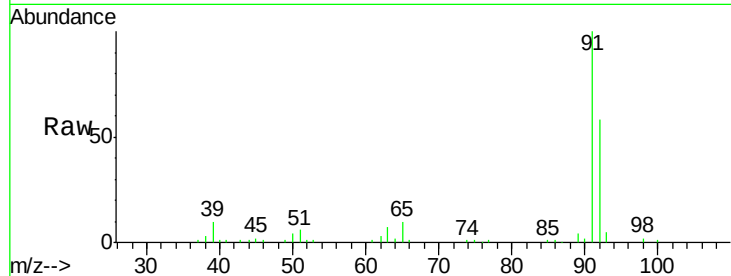
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 92 Resp: 113614

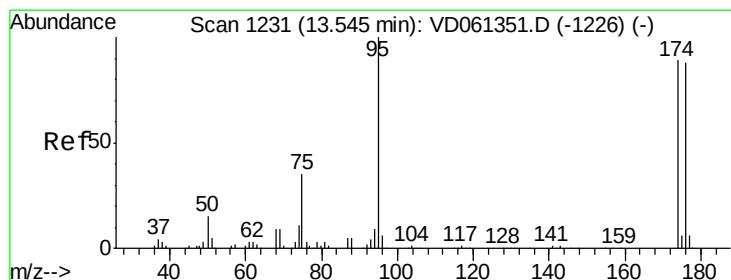
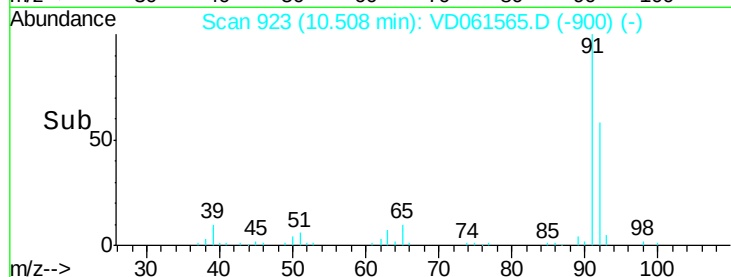
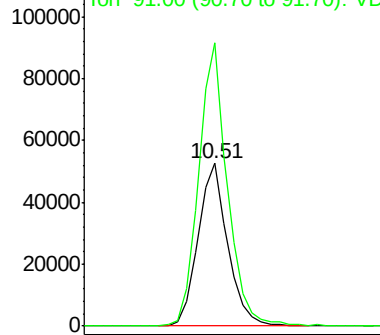
Ion Ratio Lower Upper

92 100

91 173.6 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061565.D

Acq: 3 Apr 2019 19:43

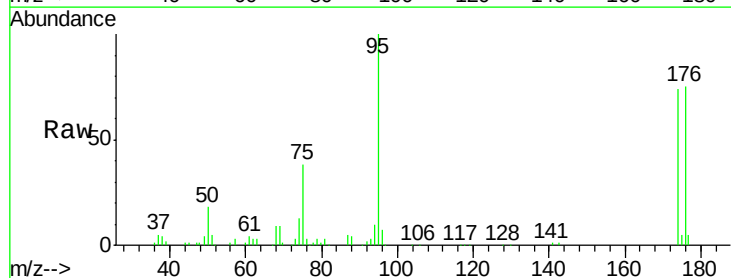
Tgt Ion: 95 Resp: 206153

Ion Ratio Lower Upper

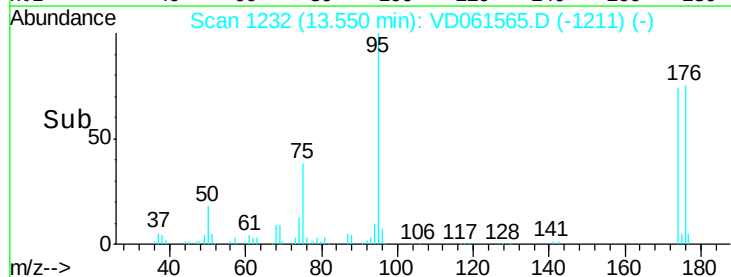
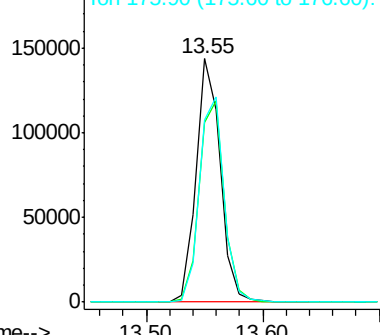
95 100

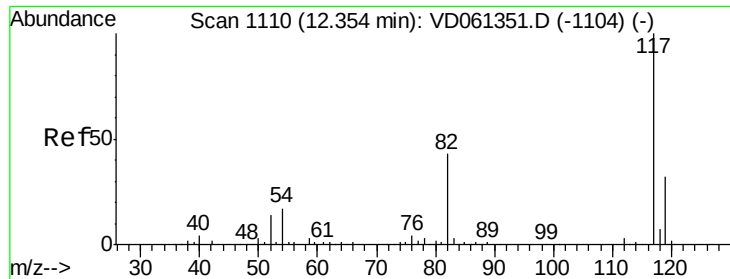
174 73.8 0.0 178.0

176 74.9 0.0 175.0



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

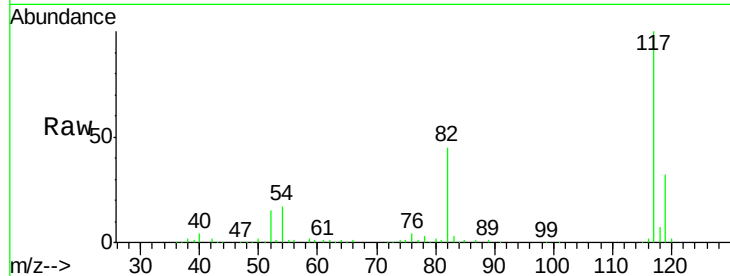




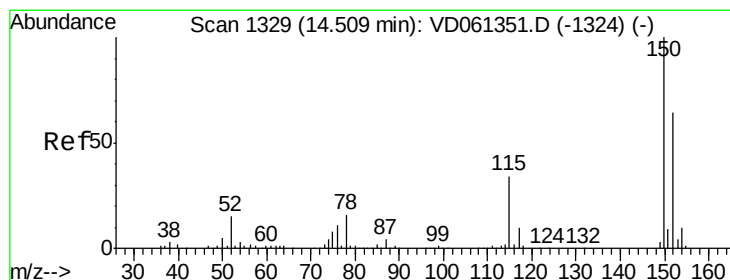
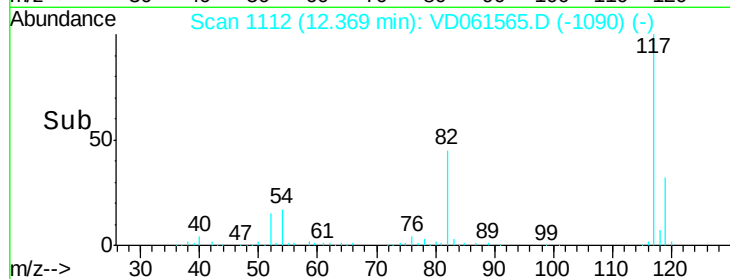
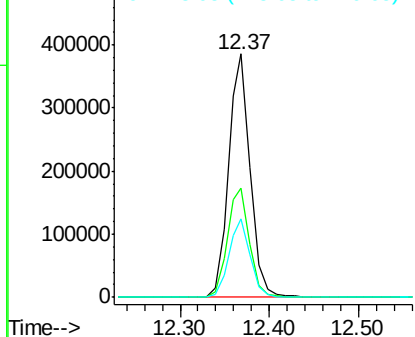
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061565.D
Acq: 3 Apr 2019 19:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 656269
Ion Ratio Lower Upper
117 100
82 45.0 34.4 51.6
119 32.2 25.8 38.6

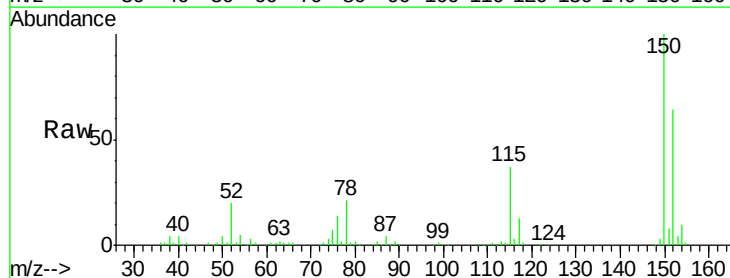


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

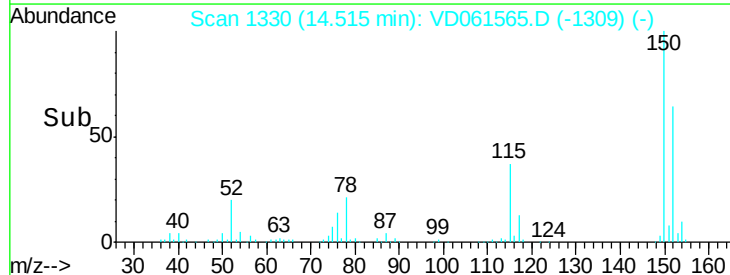
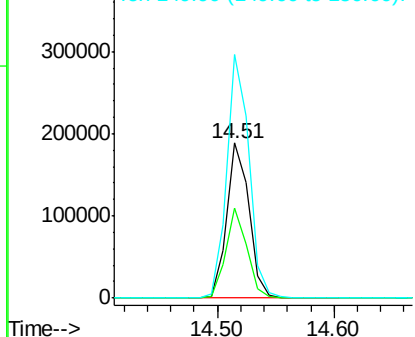


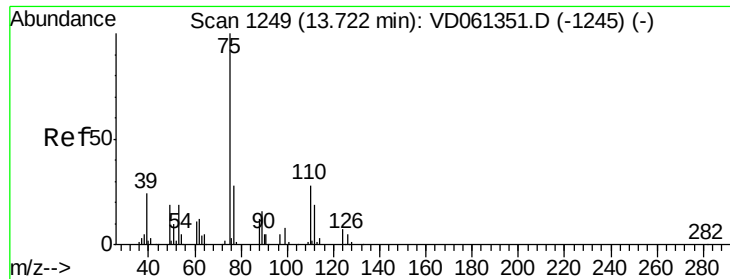
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061565.D
Acq: 3 Apr 2019 19:43

Tgt Ion:152 Resp: 249521
Ion Ratio Lower Upper
152 100
115 58.2 26.9 80.6
150 157.3 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: 17.591 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061565.D

Acq: 3 Apr 2019 19:43

Instrument :

MSVOA_D

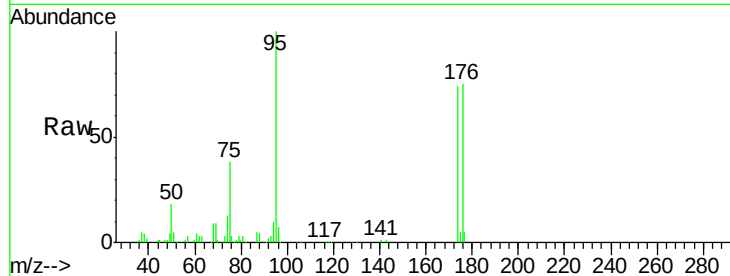
ClientSampled :

Tot Ion: 75 Resp: 63406

Ion Ratio Lower Upper

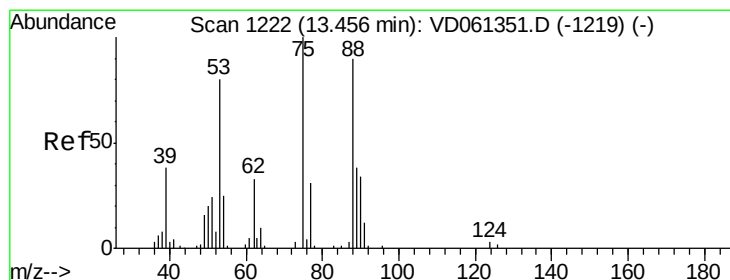
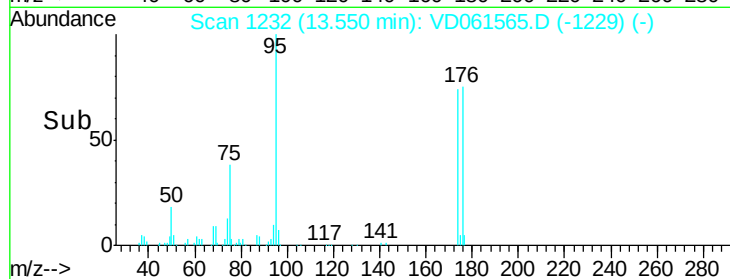
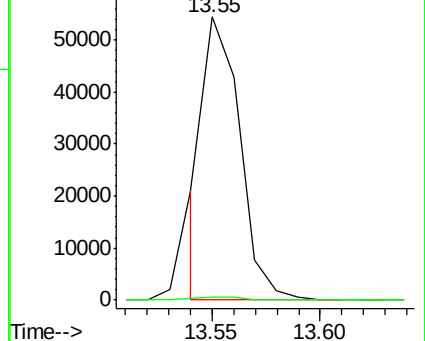
75 100

77 1.2 16.2 48.5#



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: 70.044 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061565.D

Acq: 3 Apr 2019 19:43

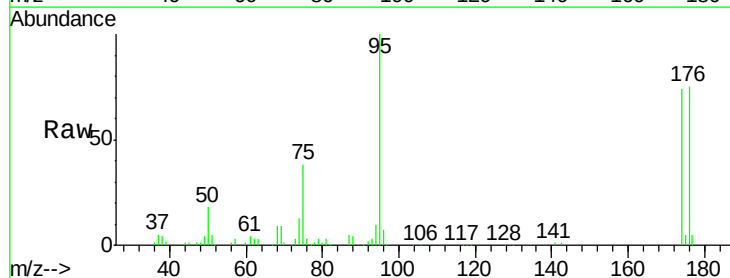
Tgt Ion: 75 Resp: 76977

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

