

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061539.D
 Acq On : 3 Apr 2019 5:29
 Operator : VA/AP
 Sample : K2179-02RE
 Misc : 5.77a/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

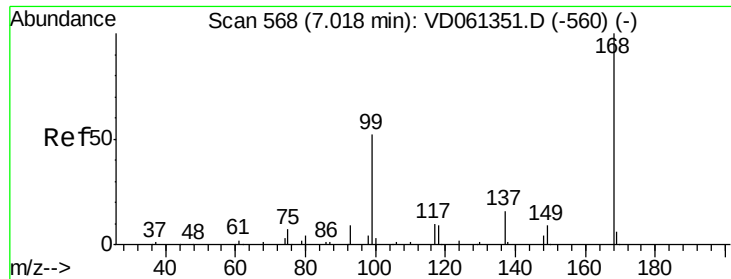
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4S2RE

Quant Time: Apr 03 06:43:27 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	7.07	168	590352	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	1021040	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.37	117	795448	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	376292	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	226344	44.88	ug/l	0.04
Spiked Amount 50.000			Recovery	=	89.76%	
35) Dibromofluoromethane	6.95	113	358213	45.91	ug/l	0.05
Spiked Amount 50.000			Recovery	=	91.82%	
50) Toluene-d8	10.42	98	811014	43.34	ug/l	0.04
Spiked Amount 50.000			Recovery	=	86.68%	
62) 4-Bromofluorobenzene	13.56	95	334732	46.64	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.28%	
Target Compounds						
					Qvalue	
16) Acetone	3.25	43	17188	13.258	ug/l #	81
20) Methylene Chloride	3.85	84	66030	7.458	ug/l	92
31) Cyclohexane	7.07	56	9916	1.142	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	42178	4.733	ug/l #	46
38) Carbon Tetrachloride	7.07	117	55699	5.439	ug/l #	14
52) Toluene	10.52	92	77742	5.698	ug/l	95
76) 1,2,3-Trichloropropane	13.56	75	118036	21.715	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	125677	75.831	ug/l #	18

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040219\  
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Acq On    : 3 Apr 2019    5:29  
Operator  : VA/AP  
Sample    : K2179-02RE  
Misc      : 5.77a/5ml/MSVOA D/SOIL  
ALS Vial  : 37    Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.05 min

Lab File: VD061539.D

Acq: 3 Apr 2019 5:29

Instrument :

MSVOA_D

ClientSampleId :

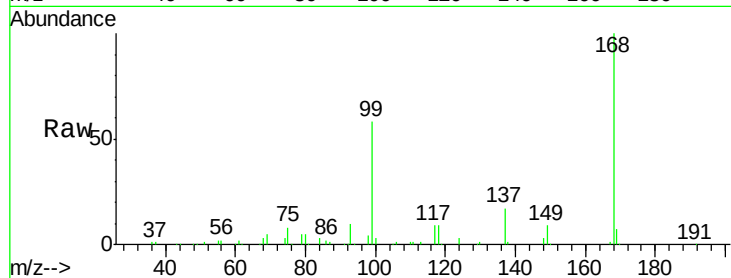
TP-4S2RE

Tot Ion:168 Resp: 590352

Ion Ratio Lower Upper

168 100

99 58.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

200000

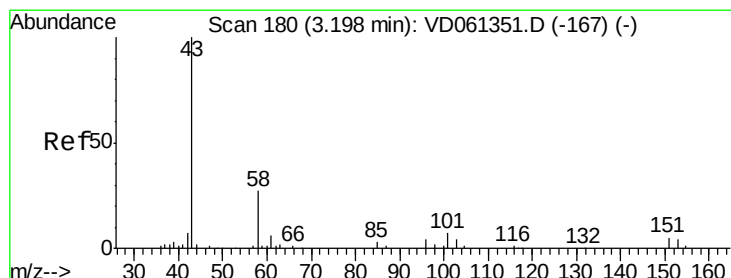
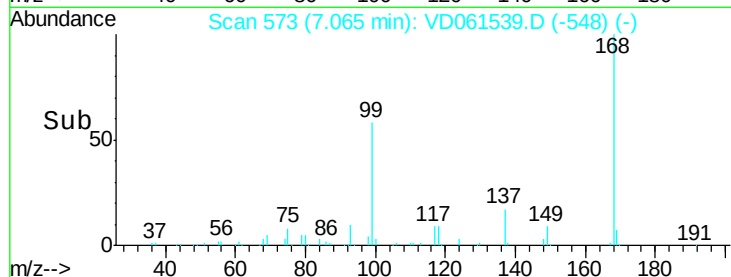
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 13.258 ug/l

RT: 3.25 min Scan# 185

Delta R.T. 0.05 min

Lab File: VD061539.D

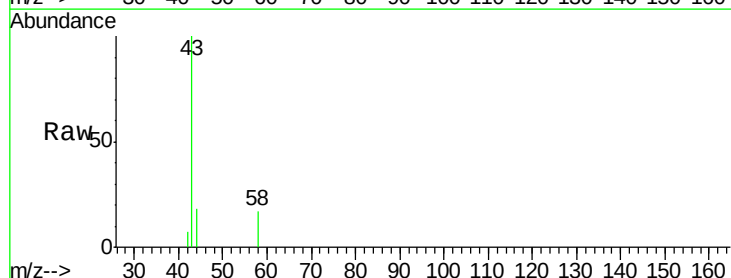
Acq: 3 Apr 2019 5:29

Tgt Ion: 43 Resp: 17188

Ion Ratio Lower Upper

43 100

58 17.1 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.25

6000

5000

4000

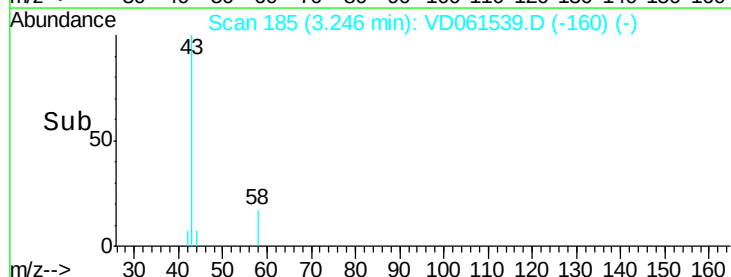
3000

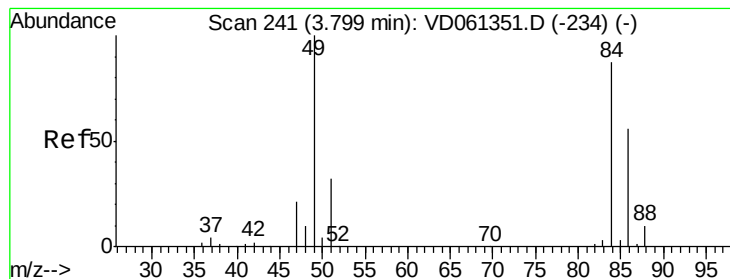
2000

1000

0

Time--> 3.10 3.20 3.30 3.40





#20

Methylene Chloride

Concen: 7.458 ug/l

RT: 3.85 min Scan# 246

Delta R.T. 0.05 min

Lab File: VD061539.D

Acq: 3 Apr 2019 5:29

Instrument :

MSVOA_D

ClientSampleId :

TP-4S2RE

Tot Ion: 84 Resp: 66030

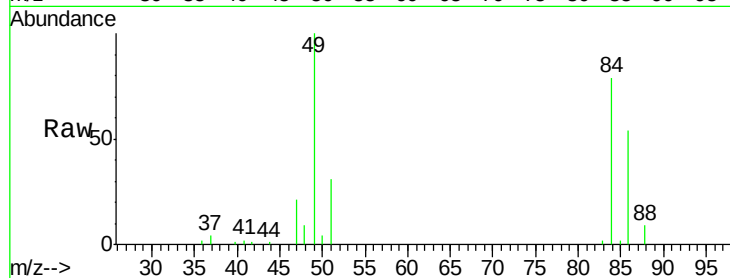
Ion Ratio Lower Upper

84 100

49 127.2 91.8 137.8

51 39.2 29.8 44.8

86 68.4 51.8 77.6

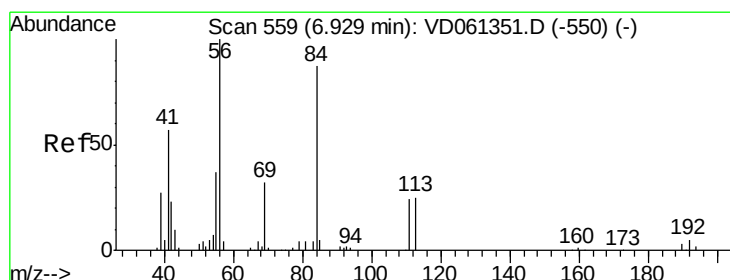
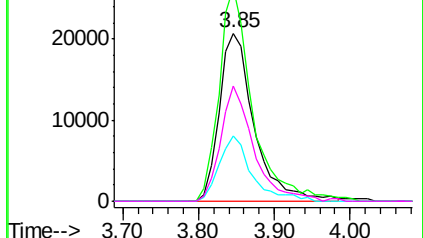
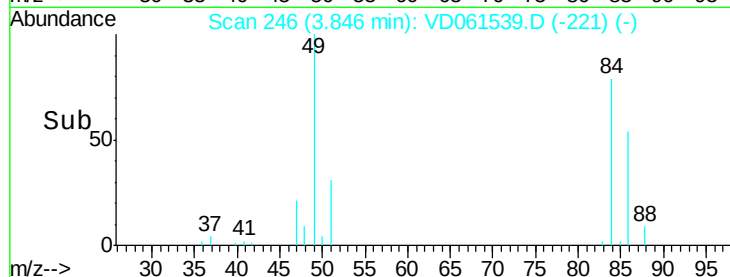


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.14 min

Lab File: VD061539.D

Acq: 3 Apr 2019 5:29

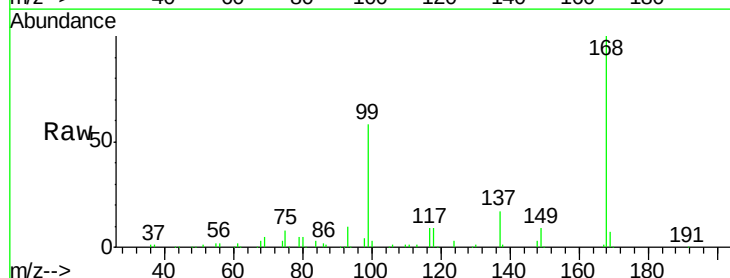
Tgt Ion: 56 Resp: 9916

Ion Ratio Lower Upper

56 100

69 264.4 25.7 38.5#

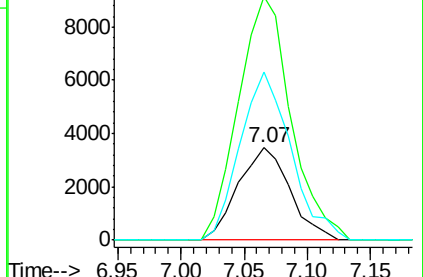
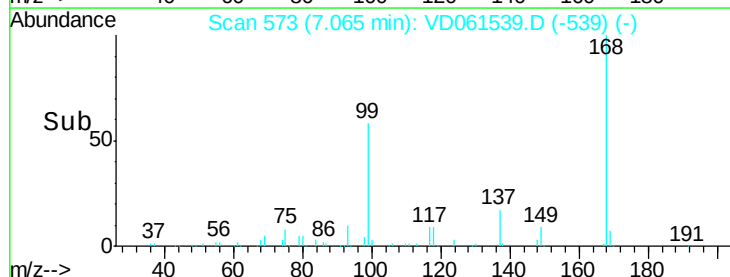
84 182.8 70.6 105.8#

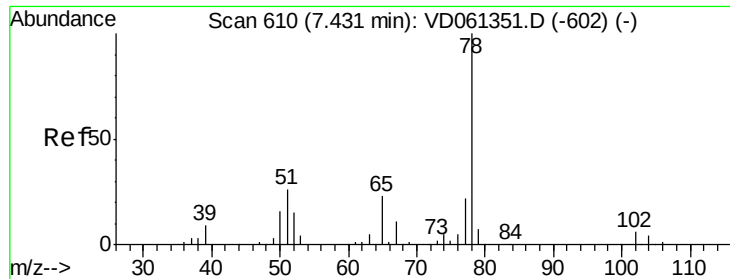


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

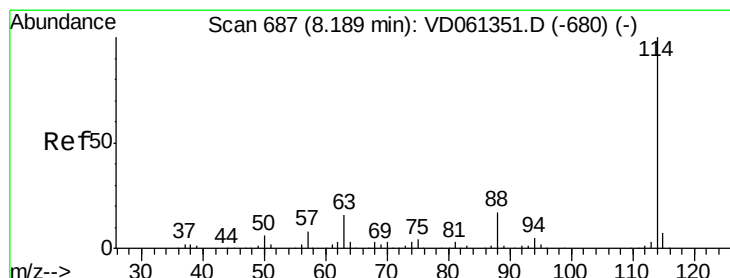
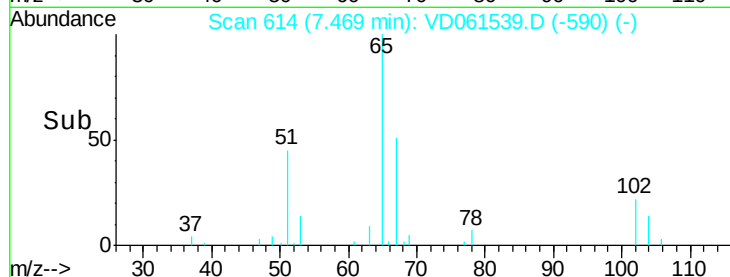
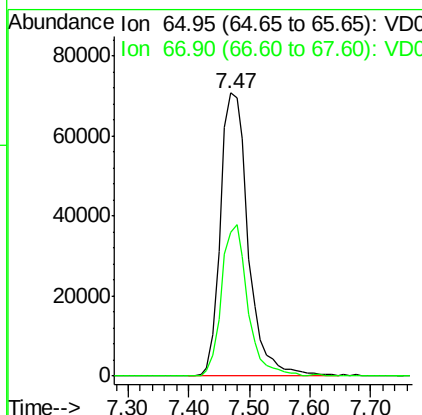
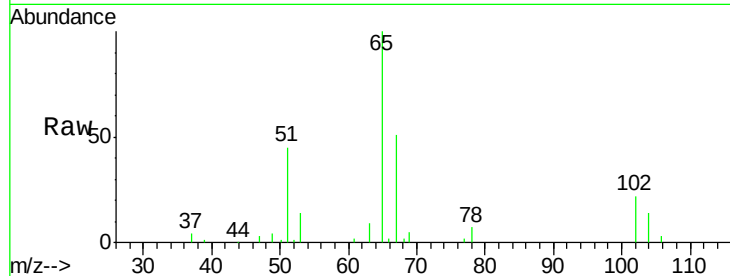




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD061539.D
 Acq: 3 Apr 2019 5:29

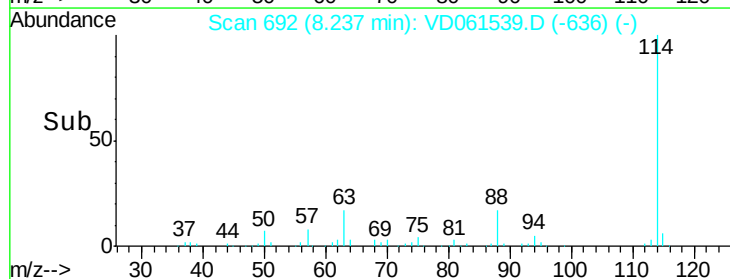
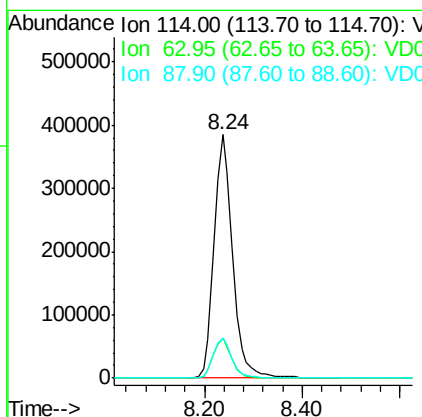
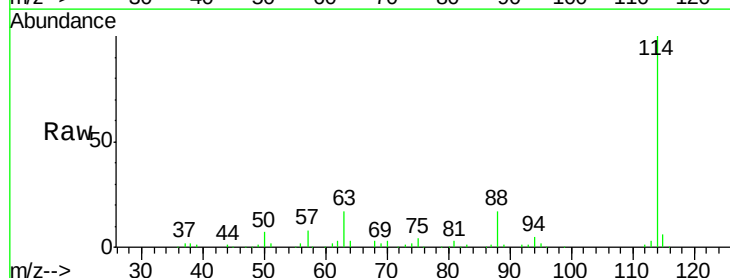
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4S2RE

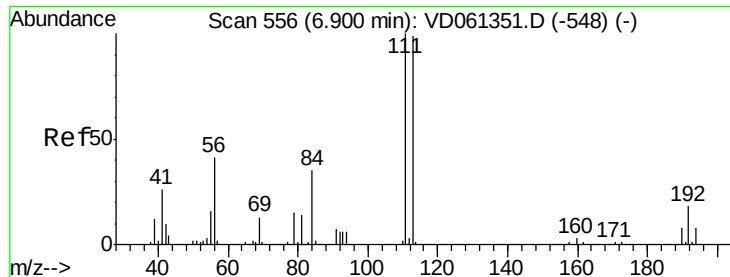
Tot Ion: 65 Resp: 226344
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.05 min
 Lab File: VD061539.D
 Acq: 3 Apr 2019 5:29

Tgt Ion: 114 Resp: 1021040
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 31.6
 88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD061539.D

Acq: 3 Apr 2019 5:29

Instrument :

MSVOA_D

ClientSampleId :

TP-4S2RE

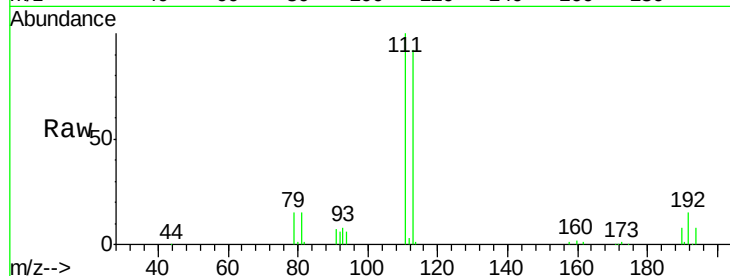
Tot Ion:113 Resp: 358213

Ion Ratio Lower Upper

113 100

111 109.2 81.0 121.6

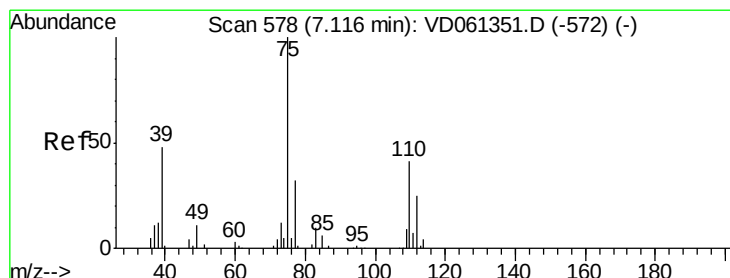
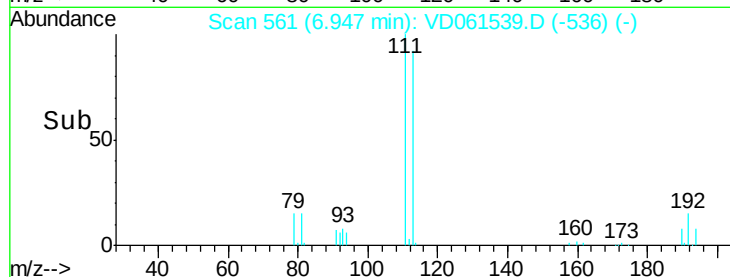
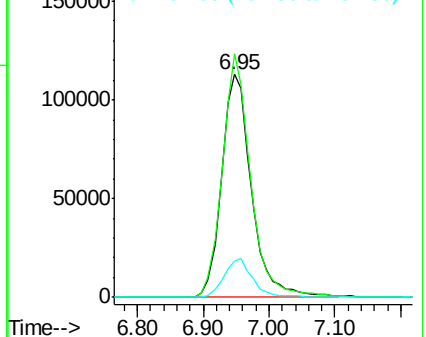
192 16.4 14.4 21.6



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: 4.733 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD061539.D

Acq: 3 Apr 2019 5:29

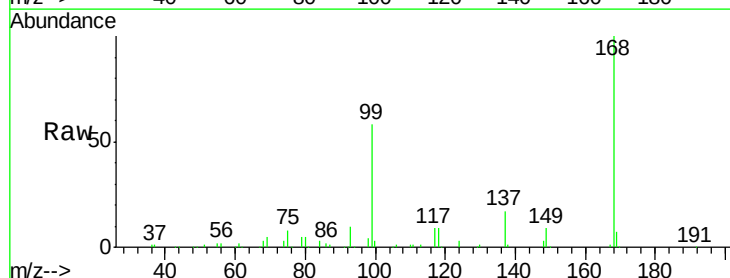
Tgt Ion: 75 Resp: 42178

Ion Ratio Lower Upper

75 100

110 8.5 20.4 61.3#

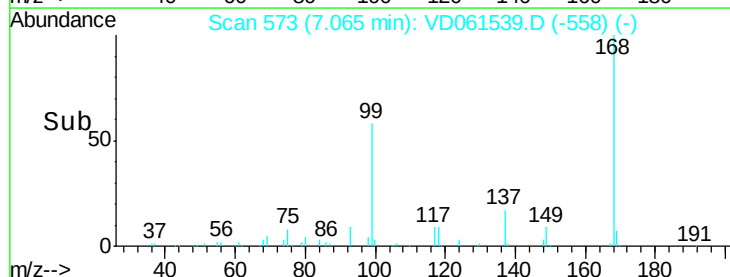
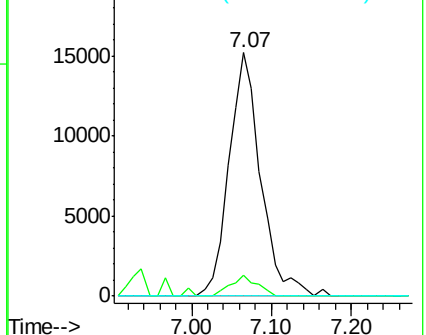
77 0.0 24.9 37.3#

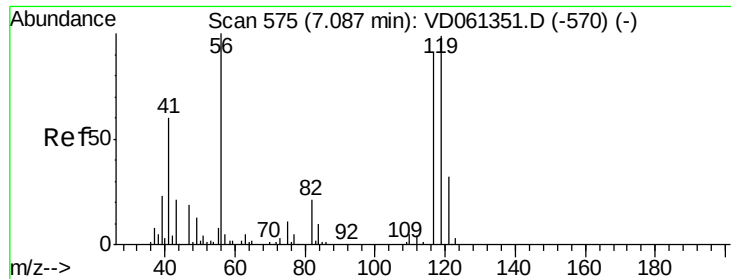


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.439 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.02 min

Lab File: VD061539.D

Acq: 3 Apr 2019 5:29

Instrument :

MSVOA_D

ClientSampleId :

TP-4S2RE

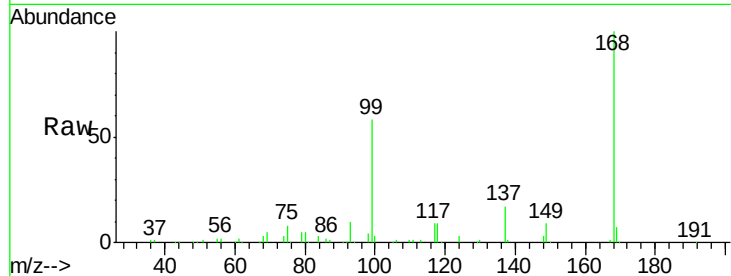
Tot Ion:117 Resp: 55699

Ion Ratio Lower Upper

117 100

119 4.5 80.1 120.1#

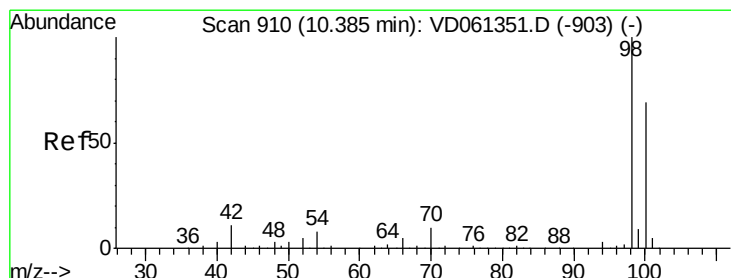
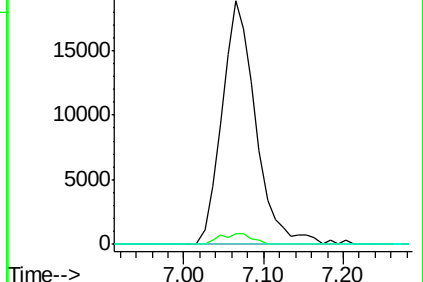
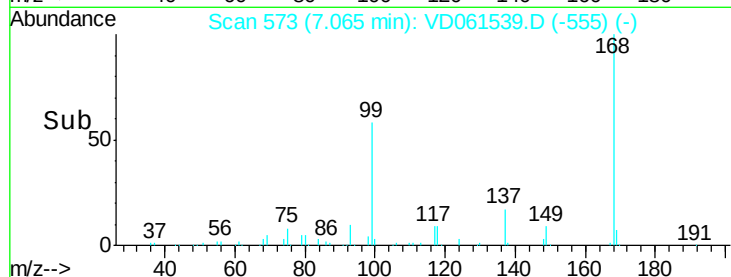
121 0.0 25.6 38.4#



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: 10.42 min Scan# 914

Delta R.T. 0.04 min

Lab File: VD061539.D

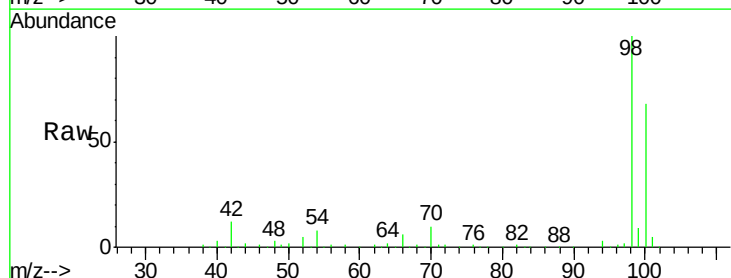
Acq: 3 Apr 2019 5:29

Tgt Ion: 98 Resp: 811014

Ion Ratio Lower Upper

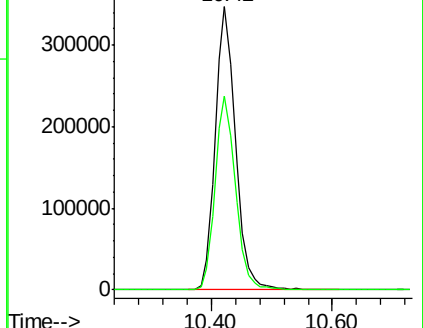
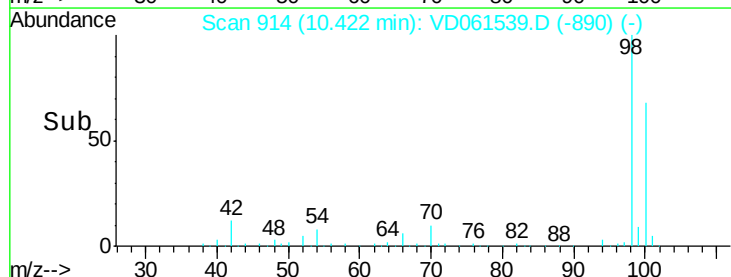
98 100

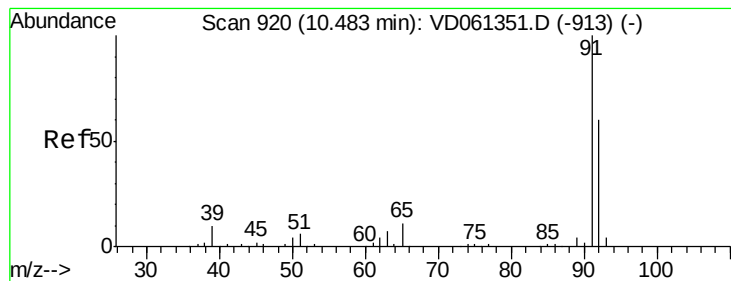
100 68.5 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 5.698 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.04 min

Lab File: VD061539.D

Acq: 3 Apr 2019 5:29

Instrument :

MSVOA_D

ClientSampleId :

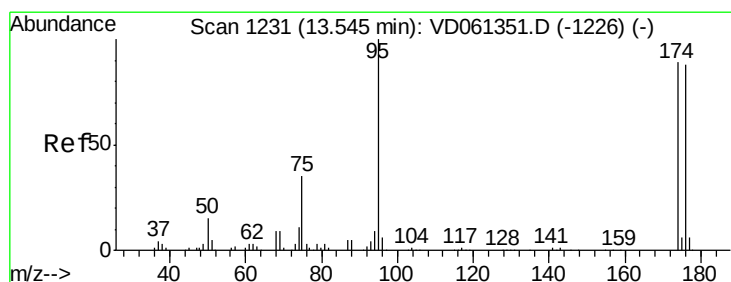
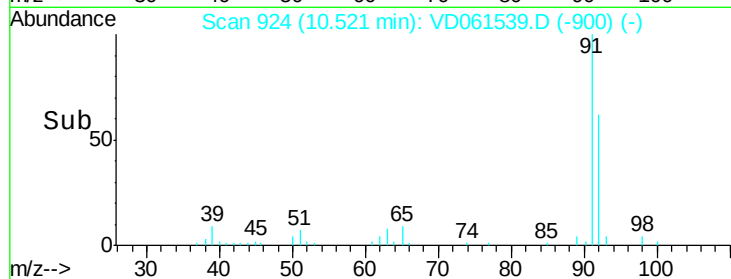
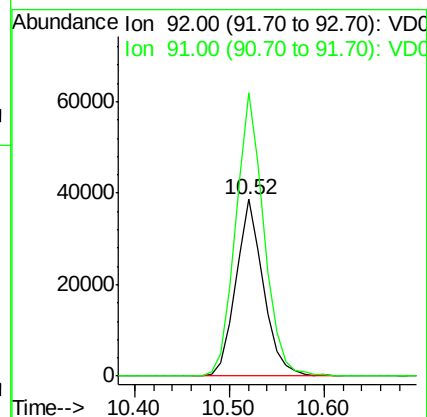
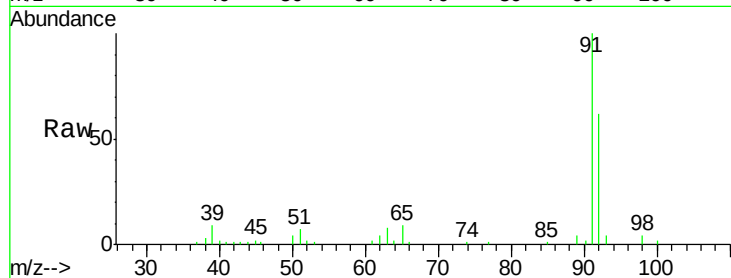
TP-4S2RE

Tot Ion: 92 Resp: 77742

Ion Ratio Lower Upper

92 100

91 160.3 133.3 199.9



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD061539.D

Acq: 3 Apr 2019 5:29

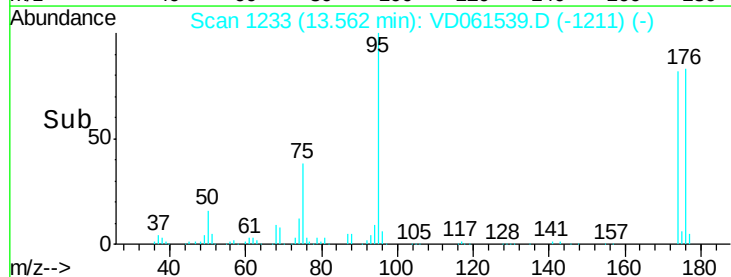
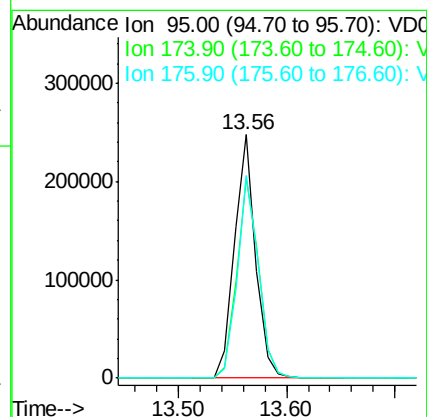
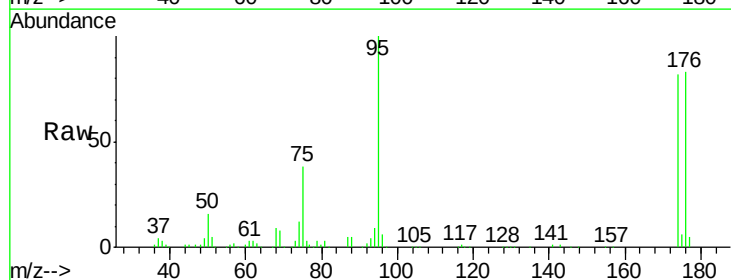
Tgt Ion: 95 Resp: 334732

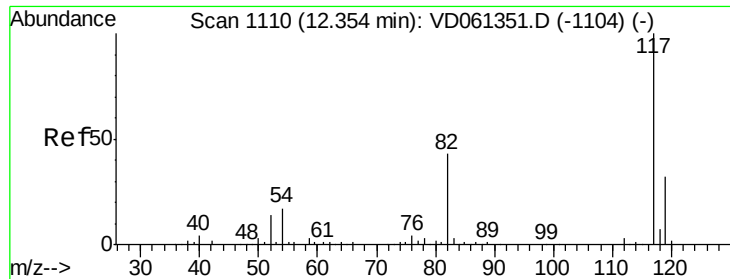
Ion Ratio Lower Upper

95 100

174 82.1 0.0 178.0

176 83.4 0.0 175.0

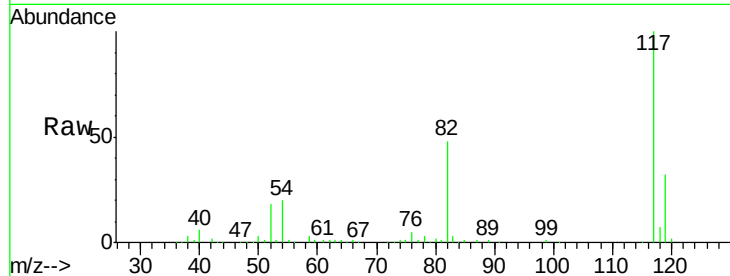




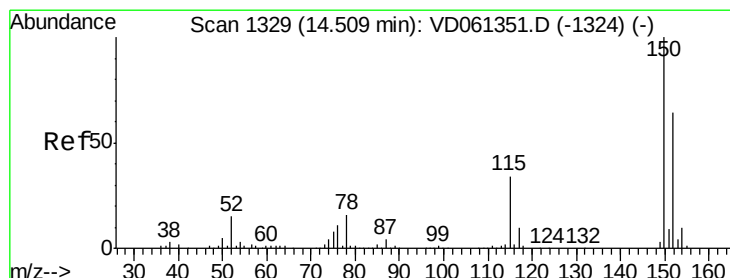
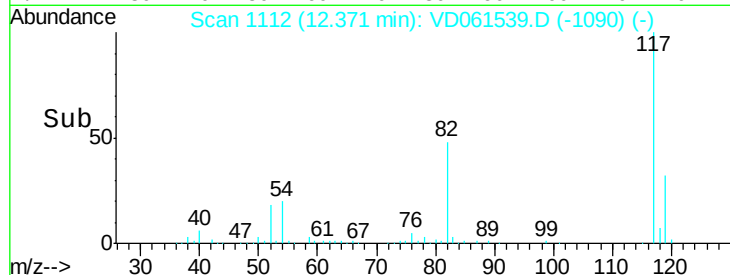
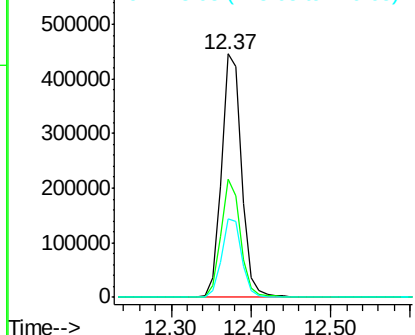
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061539.D
Acq: 3 Apr 2019 5:29

Instrument :
MSVOA_D
ClientSampleId :
TP-4S2RE

Tot Ion:117 Resp: 795448
Ion Ratio Lower Upper
117 100
82 48.3 34.4 51.6
119 32.5 25.8 38.6

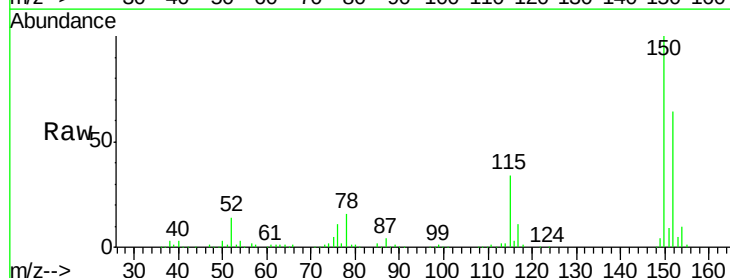


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

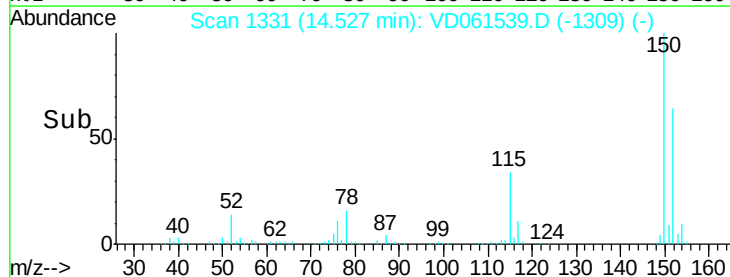
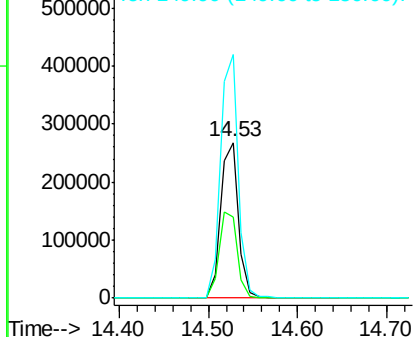


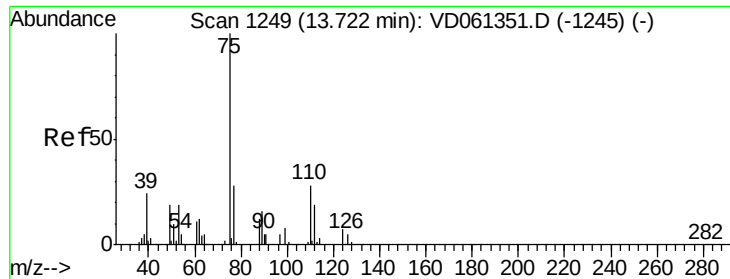
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD061539.D
Acq: 3 Apr 2019 5:29

Tgt Ion:152 Resp: 376292
Ion Ratio Lower Upper
152 100
115 52.5 26.9 80.6
150 156.7 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: 21.715 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061539.D

Acq: 3 Apr 2019 5:29

Instrument :

MSVOA_D

ClientSampleId :

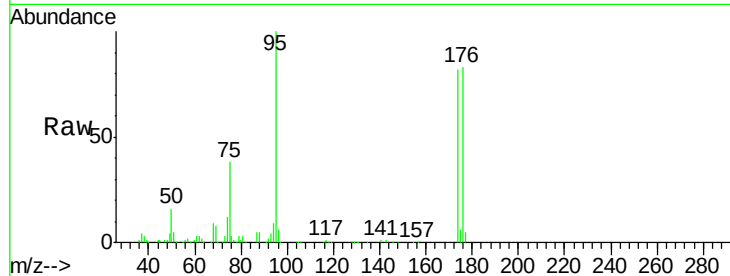
TP-4S2RE

Tot Ion: 75 Resp: 118036

Ion Ratio Lower Upper

75 100

77 1.5 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.56

100000

80000

60000

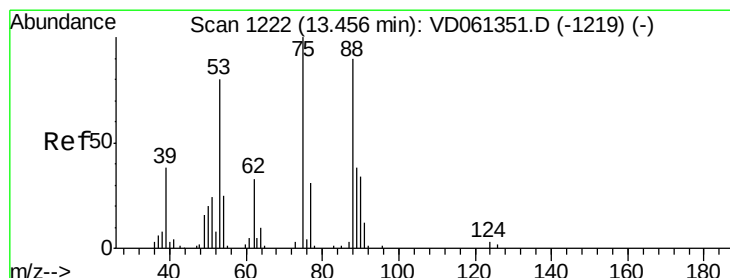
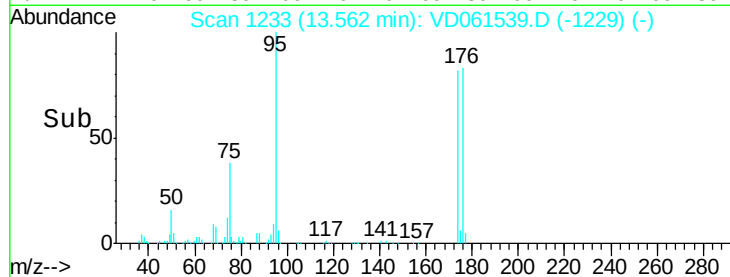
40000

20000

0

13.55 13.60

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 75.831 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.11 min

Lab File: VD061539.D

Acq: 3 Apr 2019 5:29

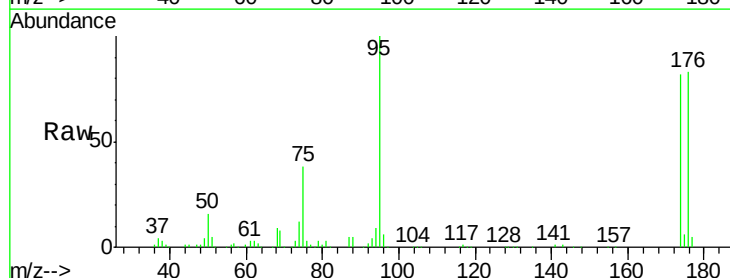
Tgt Ion: 75 Resp: 125677

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

13.56

120000

100000

80000

60000

40000

20000

0

13.55 13.60

Time-->

