

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061507.D
 Acq On : 2 Apr 2019 11:20
 Operator : VA/AP
 Sample : K2179-17
 Misc : 5.91g/5ml/MSVOA D/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 00:45:41 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	624508	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.20	114	1034320	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	784234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	256786	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	249543	46.78	ug/l	0.01
Spiked Amount	50.000		Recovery	=	93.56%	
35) Dibromofluoromethane	6.91	113	398760	50.45	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.40	98	853334	45.01	ug/l	0.01
Spiked Amount	50.000		Recovery	=	90.02%	
62) 4-Bromofluorobenzene	13.55	95	276663	38.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.12%	

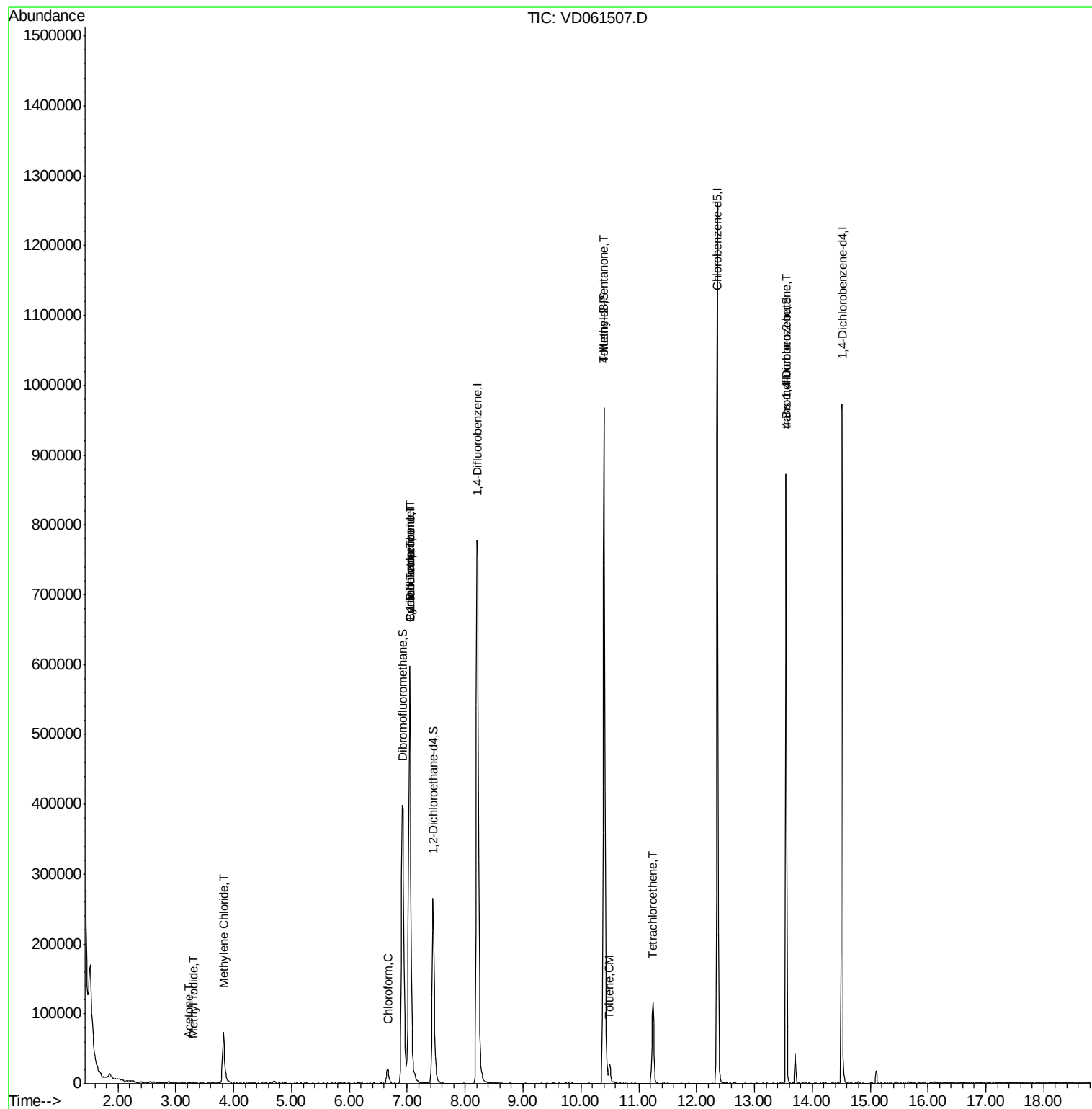
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.32	142	1478	3.582	ug/l #	38
16) Acetone	3.22	43	2042	1.489	ug/l #	48
20) Methylene Chloride	3.82	84	55952	5.577	ug/l	93
30) Chloroform	6.66	83	26462	2.203	ug/l	90
31) Cyclohexane	7.04	56	10486	1.141	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	45296	5.018	ug/l #	45
38) Carbon Tetrachloride	7.04	117	58744	5.663	ug/l #	14
51) 4-Methyl-2-Pentanone	10.40	43	3475	1.017	ug/l #	1
52) Toluene	10.50	92	14846	1.074	ug/l	97
64) Tetrachloroethene	11.25	164	35322	5.739	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.55	75	100823	89.147	ug/l #	18

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

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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: VD061507.D

Acq: 2 Apr 2019 11:20

Instrument :

MSVOA_D

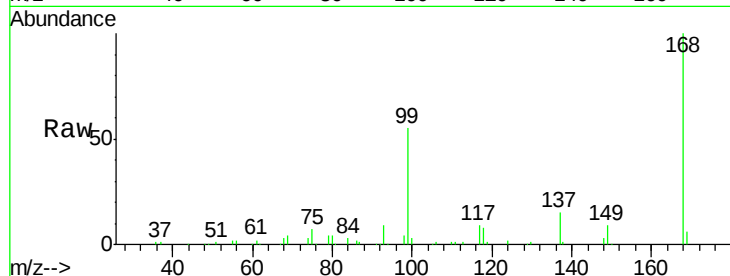
ClientSampleId :

Tot Ion:168 Resp: 624508

Ion Ratio Lower Upper

168 100

99 55.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

250000

200000

150000

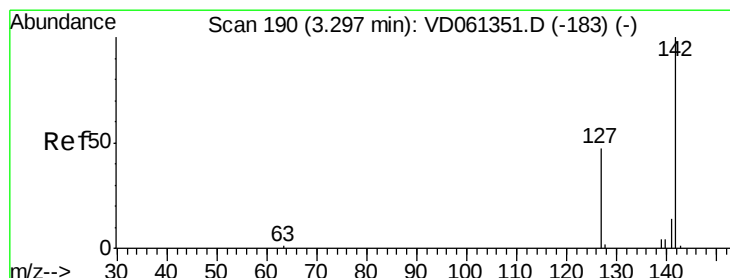
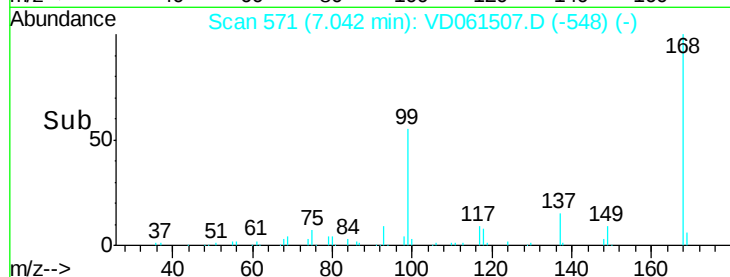
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 3.582 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD061507.D

Acq: 2 Apr 2019 11:20

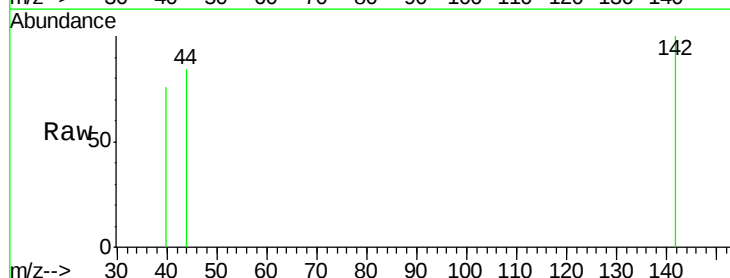
Tgt Ion:142 Resp: 1478

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

3.32

600

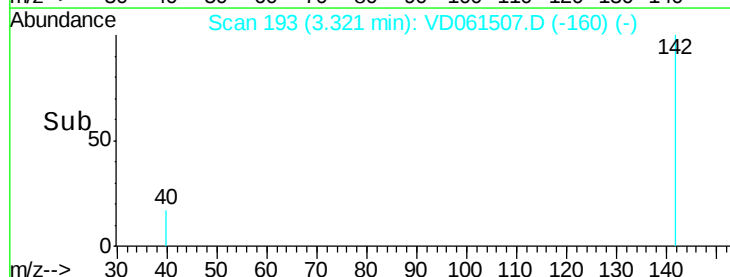
400

200

0

3.25 3.30 3.35 3.40

Time-->





#16

Acetone

Concen: 1.489 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061507.D

Acq: 2 Apr 2019 11:20

Instrument :

MSVOA_D

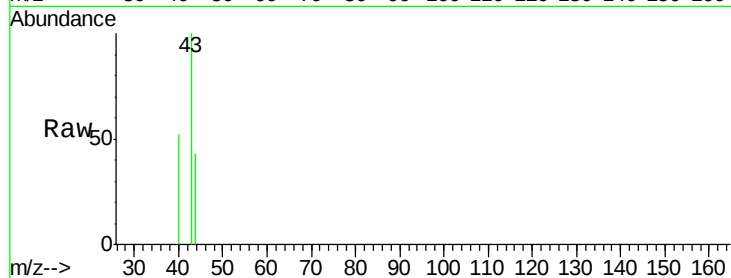
ClientSampleId :

Tot Ion: 43 Resp: 2042

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

3.22

800

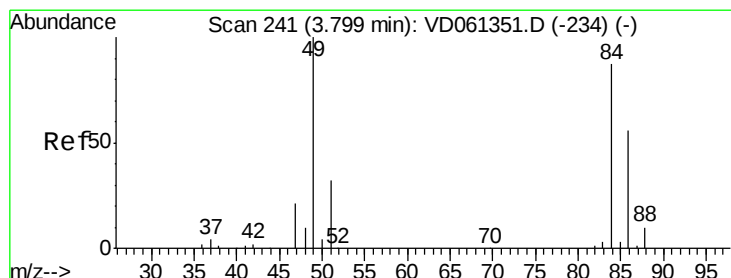
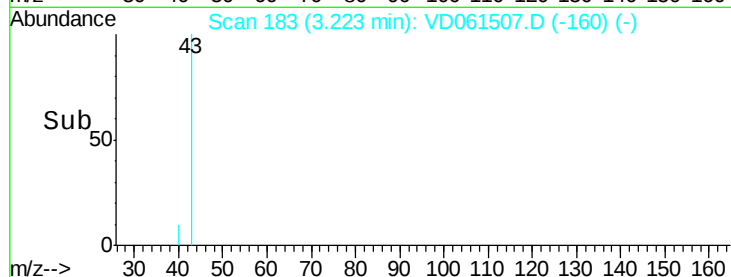
600

400

200

0

Time--> 3.15 3.20 3.25 3.30



#20

Methylene Chloride

Concen: 5.577 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061507.D

Acq: 2 Apr 2019 11:20

Tgt Ion: 84 Resp: 55952

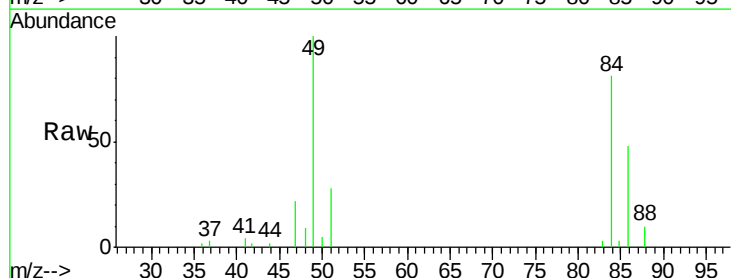
Ion Ratio Lower Upper

84 100

49 123.4 91.8 137.8

51 35.0 29.8 44.8

86 59.3 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

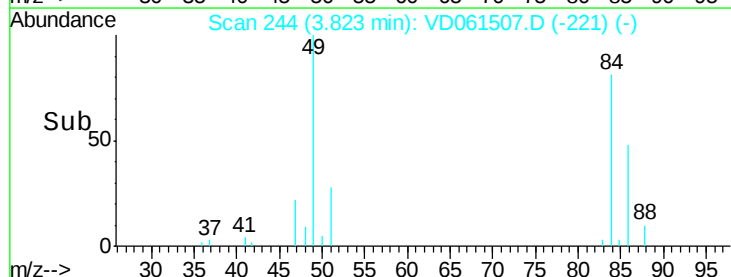
30000

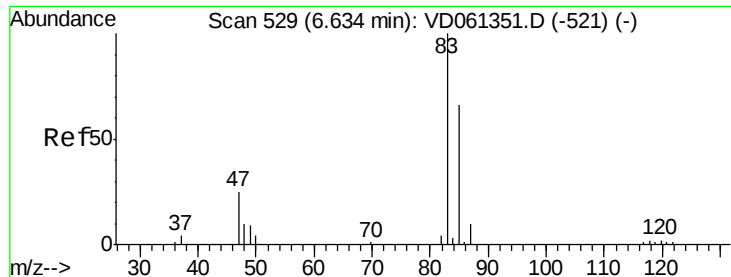
20000

10000

0

Time--> 3.70 3.80 3.90 4.00

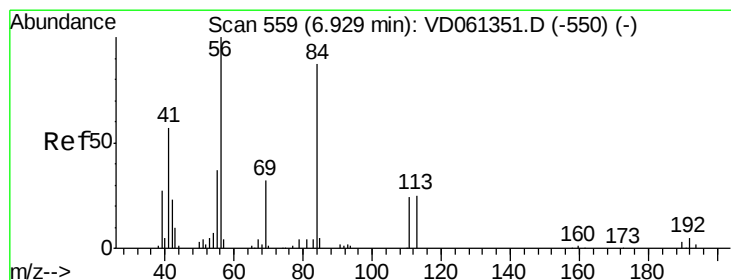
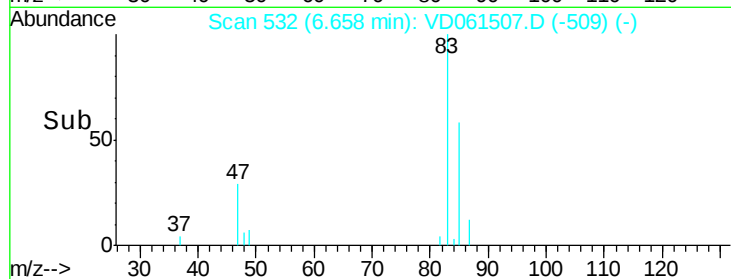
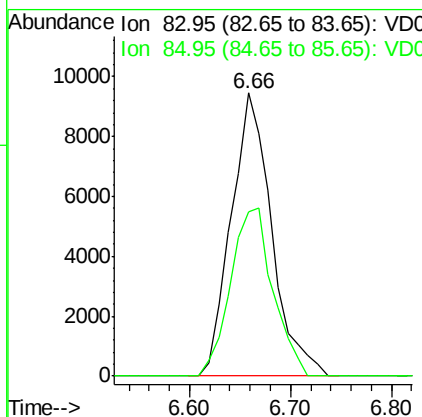
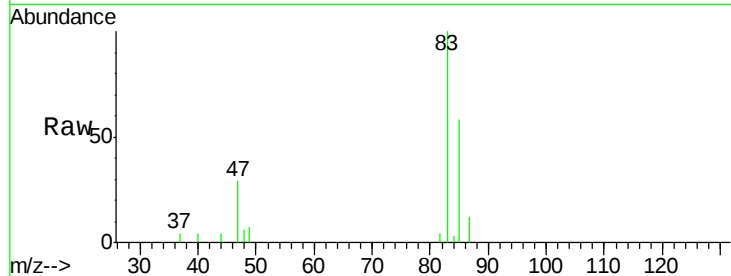




#30
Chloroform
Concen: 2.203 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.02 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

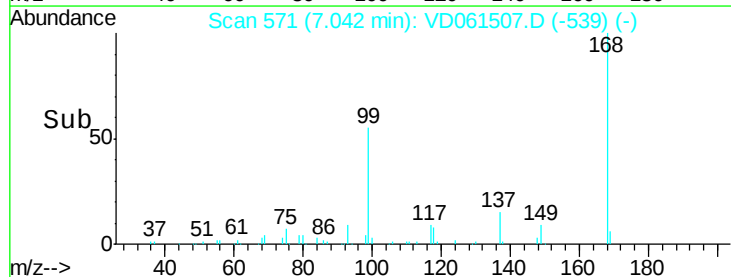
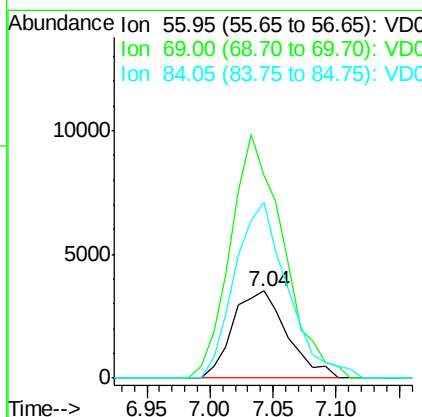
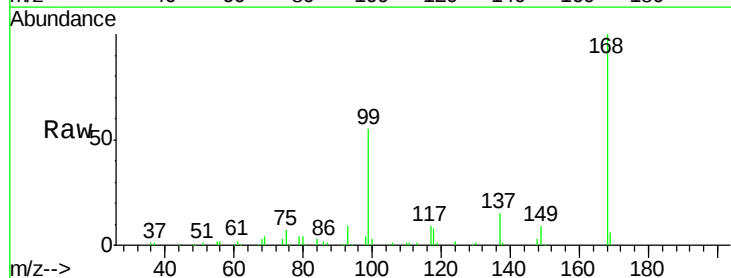
Instrument :
MSVOA_D
ClientSampled :

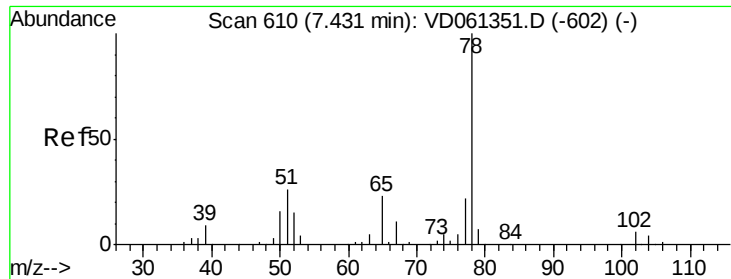
Tot Ion: 83 Resp: 26462
Ion Ratio Lower Upper
83 100
85 58.0 53.0 79.4



#31
Cyclohexane
Concen: 1.141 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Tgt Ion: 56 Resp: 10486
Ion Ratio Lower Upper
56 100
69 233.0 25.7 38.5#
84 201.5 70.6 105.8#

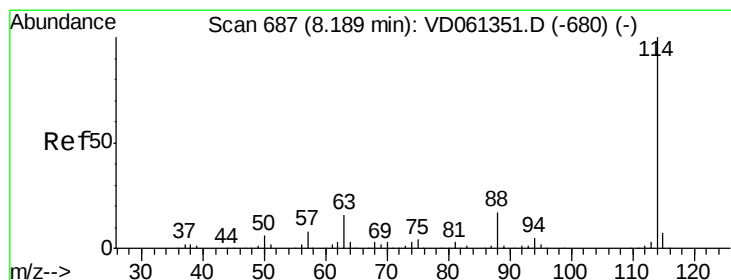
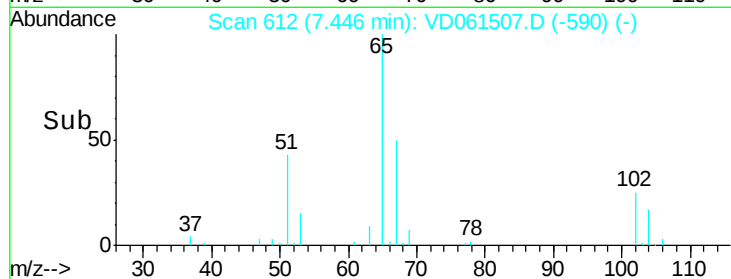
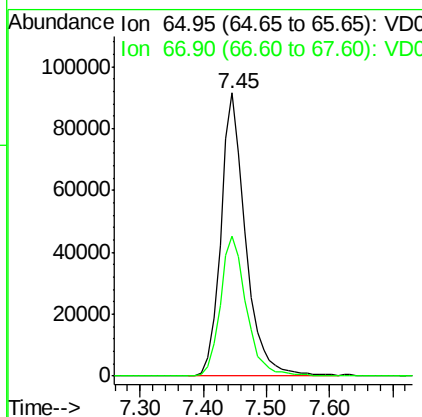
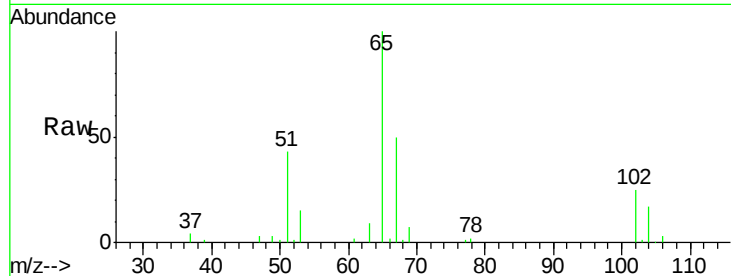




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD061507.D
 Acq: 2 Apr 2019 11:20

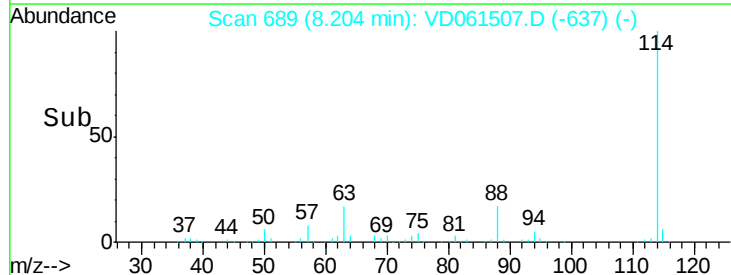
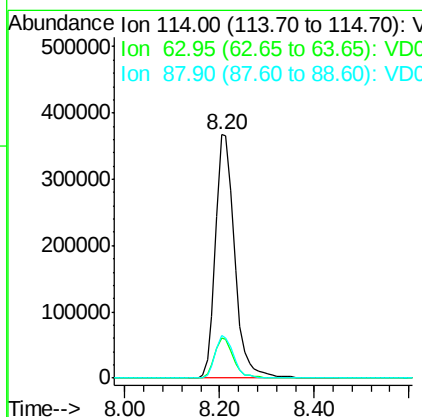
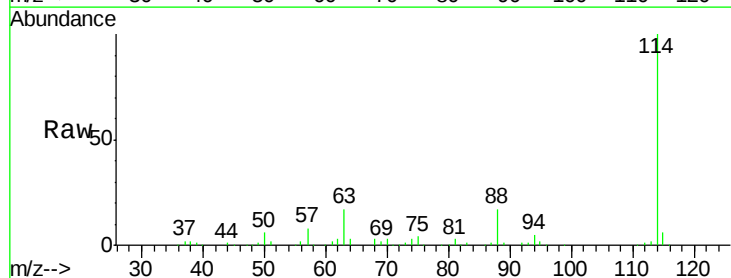
Instrument :
 MSVOA_D
 ClientSampleId :

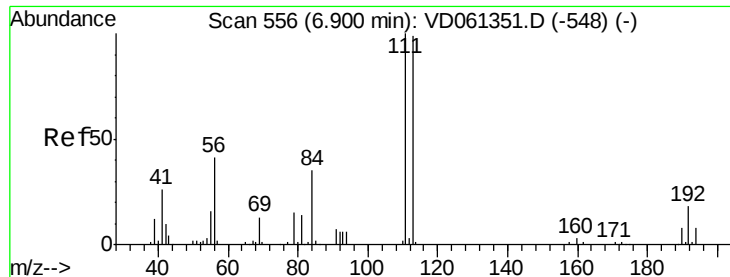
Tot Ion: 65 Resp: 249543
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD061507.D
 Acq: 2 Apr 2019 11:20

Tgt Ion:114 Resp: 1034320
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 31.6
 88 17.4 0.0 33.4

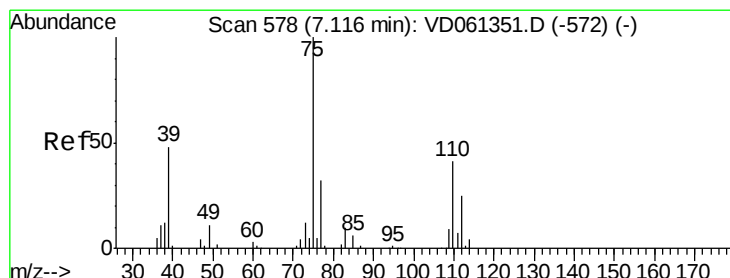
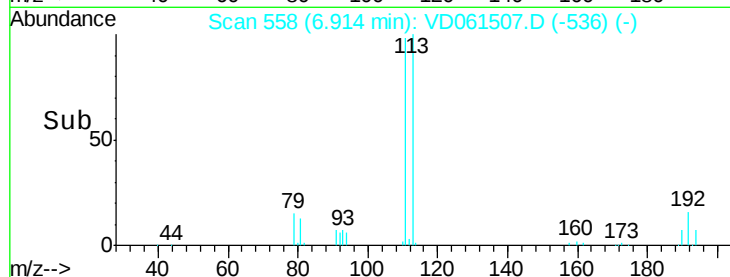
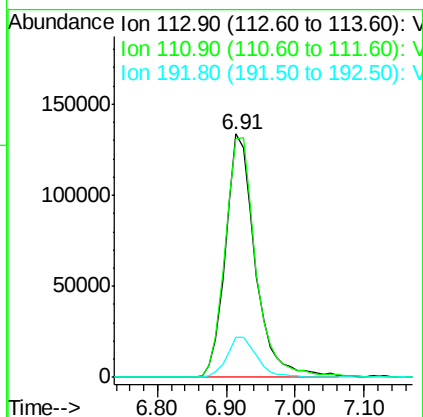
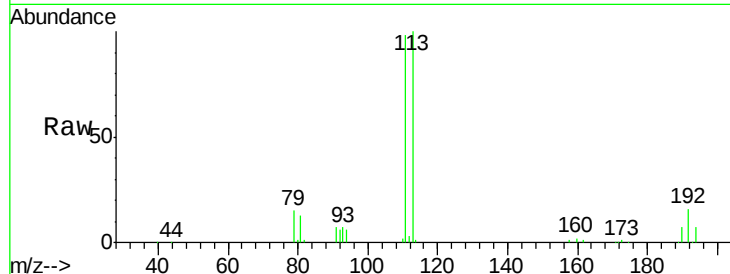




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD061507.D
 Acq: 2 Apr 2019 11:20

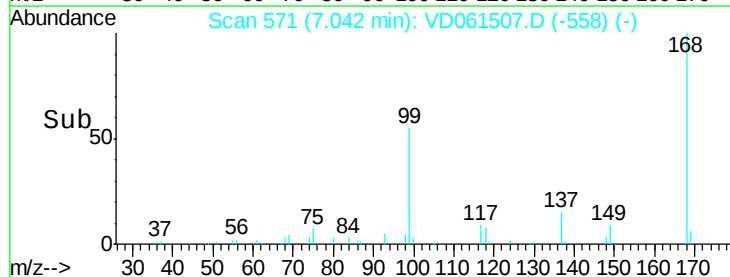
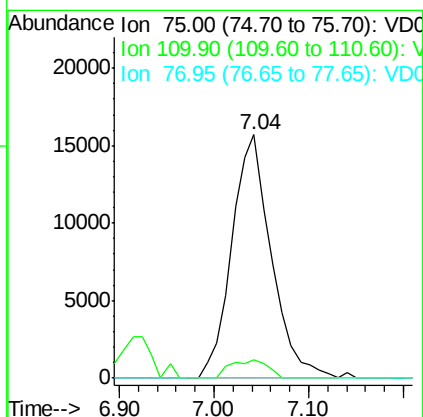
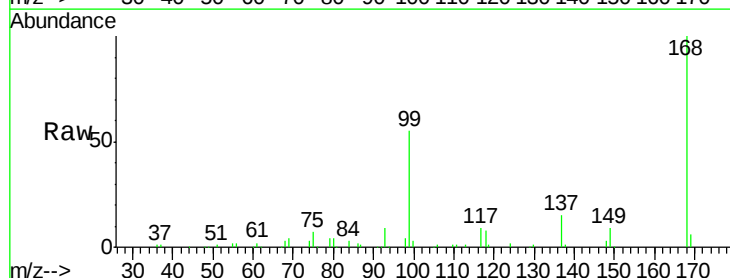
Instrument :
 MSVOA_D
 ClientSampleId :

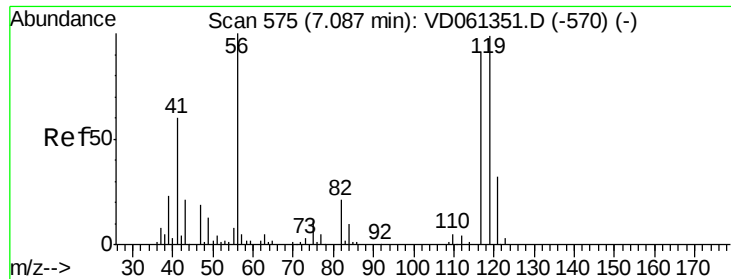
Tot Ion:113 Resp: 398760
 Ion Ratio Lower Upper
 113 100
 111 98.0 81.0 121.6
 192 16.2 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 5.018 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD061507.D
 Acq: 2 Apr 2019 11:20

Tgt Ion: 75 Resp: 45296
 Ion Ratio Lower Upper
 75 100
 110 7.4 20.4 61.3#
 77 0.0 24.9 37.3#

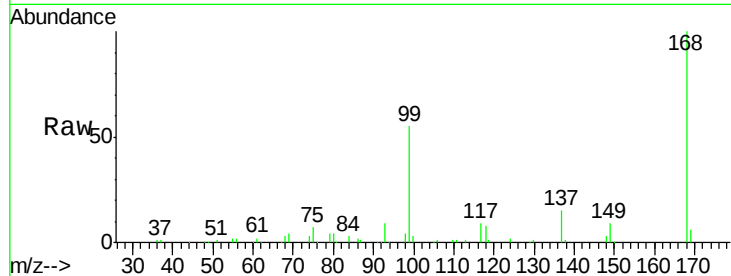




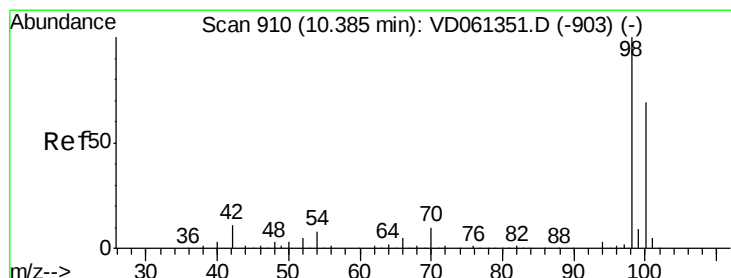
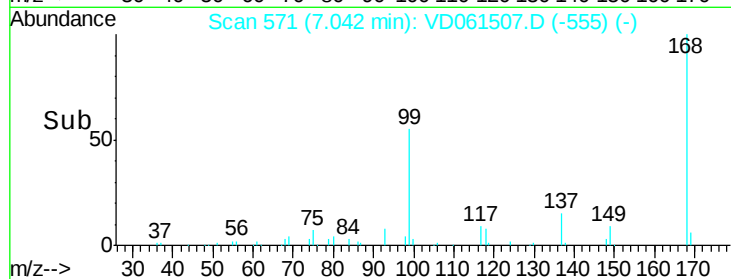
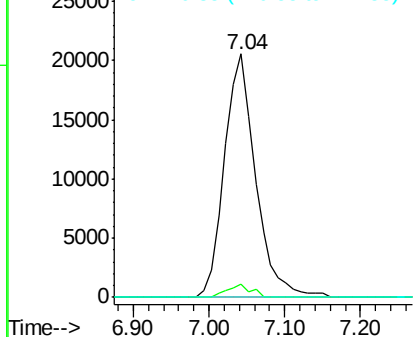
#38
Carbon Tetrachloride
Concen: 5.663 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.04 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 58744
Ion Ratio Lower Upper
117 100
119 5.5 80.1 120.1#
121 0.0 25.6 38.4#

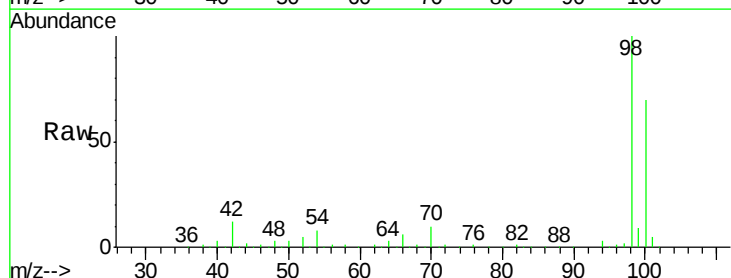


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

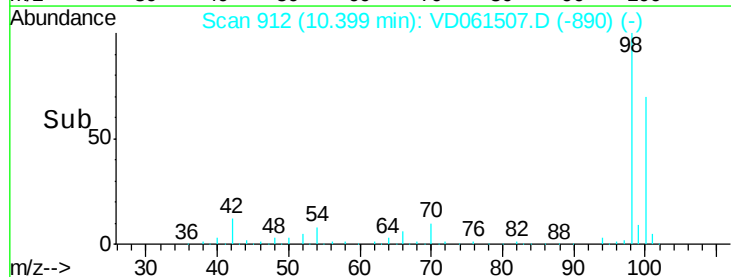
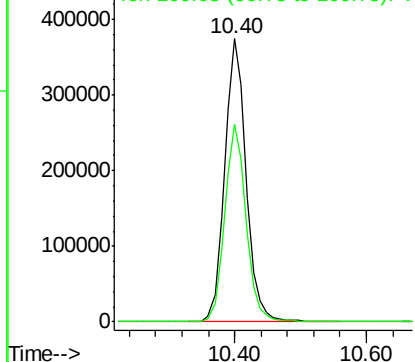


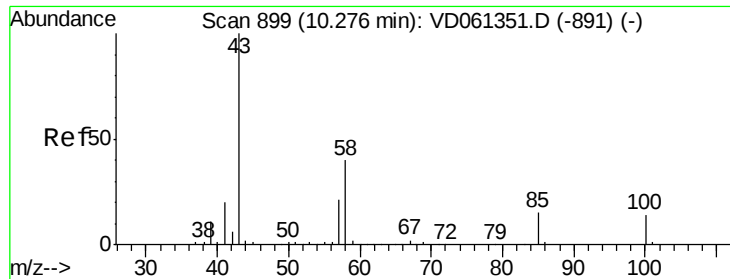
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Tgt Ion: 98 Resp: 853334
Ion Ratio Lower Upper
98 100
100 69.7 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 1.017 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.12 min

Lab File: VD061507.D

Acq: 2 Apr 2019 11:20

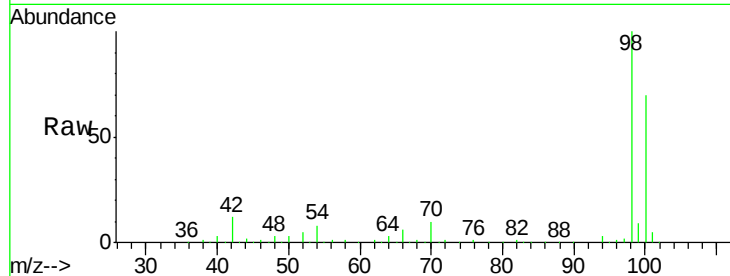
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3475

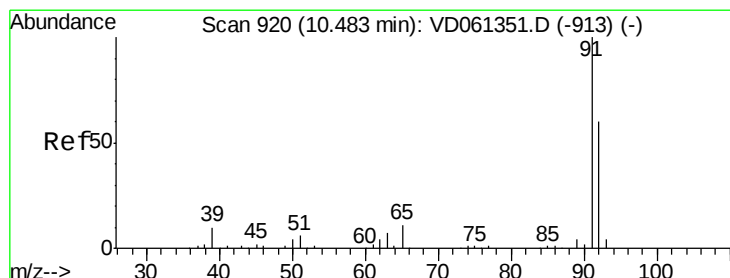
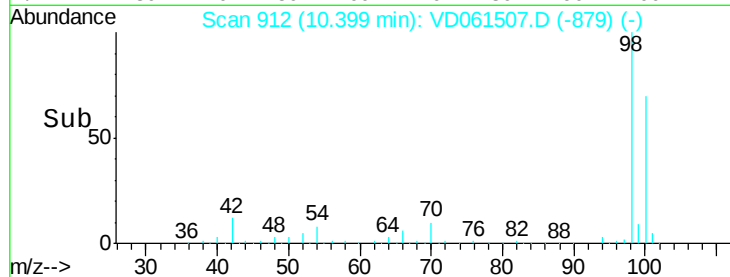
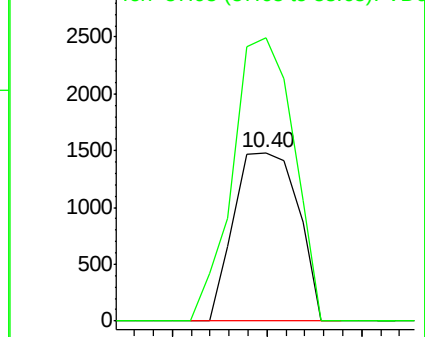
Ion Ratio Lower Upper

43 100

58 168.1 31.8 47.8#



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



#52

Toluene

Concen: 1.074 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD061507.D

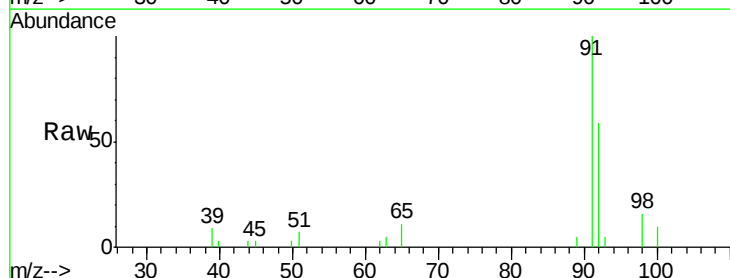
Acq: 2 Apr 2019 11:20

Tgt Ion: 92 Resp: 14846

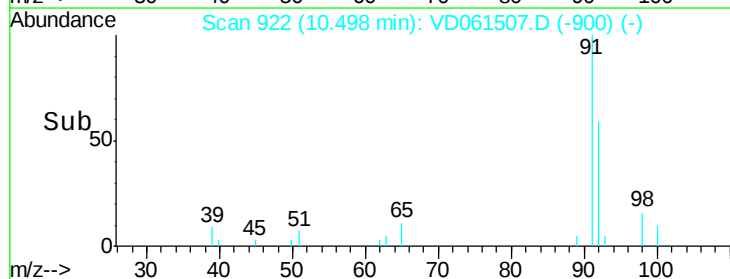
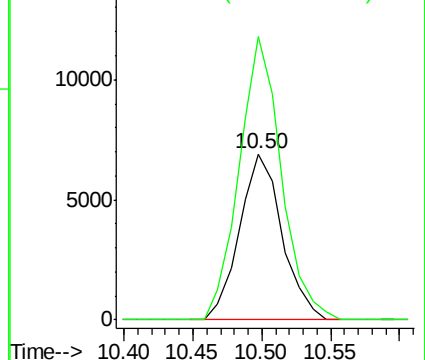
Ion Ratio Lower Upper

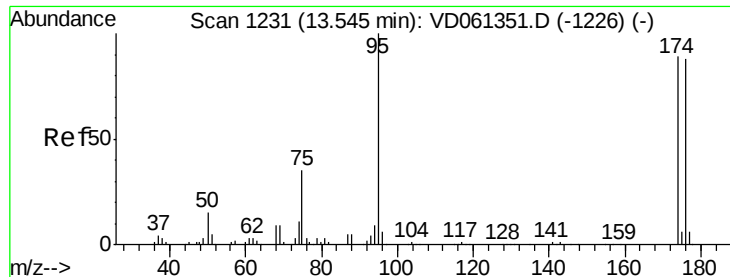
92 100

91 170.3 133.3 199.9



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

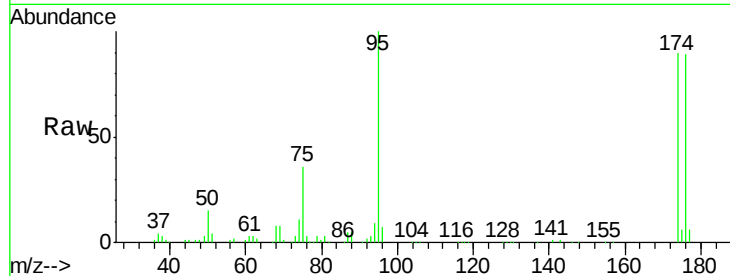




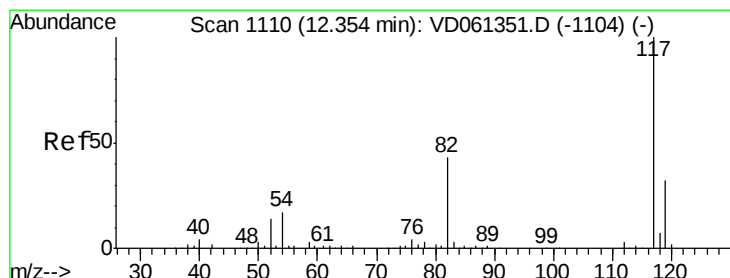
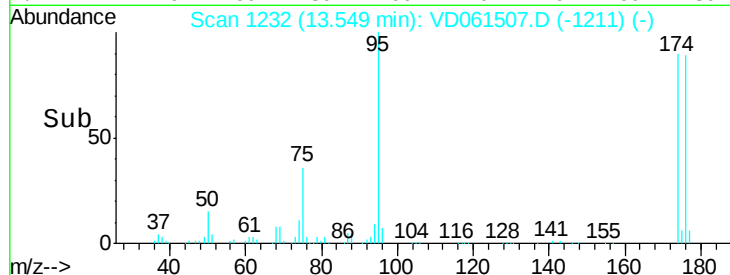
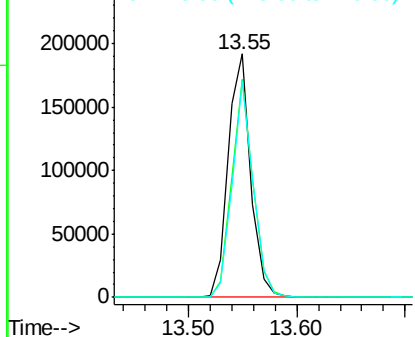
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 276663
Ion Ratio Lower Upper
95 100
174 89.8 0.0 178.0
176 88.8 0.0 175.0

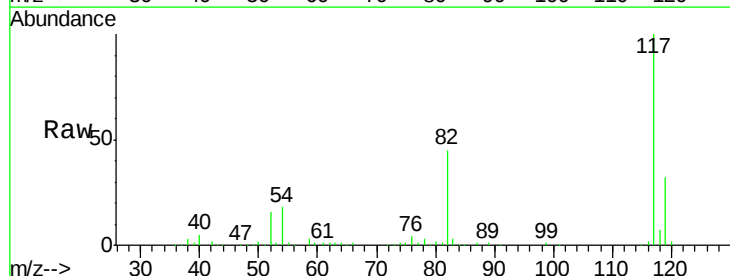


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

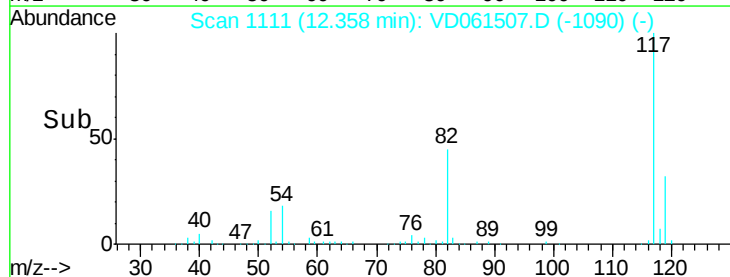
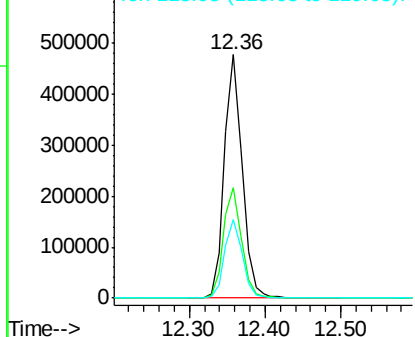


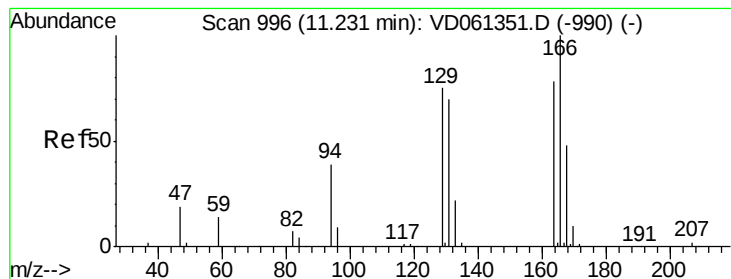
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Tgt Ion: 117 Resp: 784234
Ion Ratio Lower Upper
117 100
82 45.3 34.4 51.6
119 32.1 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





#64

Tetrachloroethene

Concen: 5.739 ug/l

RT: 11.25 min Scan# 998

Delta R.T. 0.01 min

Lab File: VD061507.D

Acq: 2 Apr 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:164 Resp: 35322

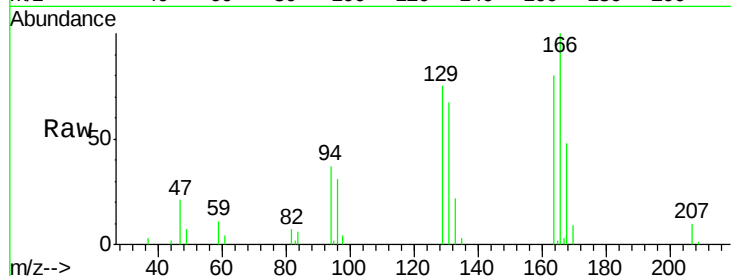
Ion Ratio Lower Upper

164 100

166 124.7 102.4 153.6

129 93.5 76.8 115.2

131 84.0 71.8 107.6

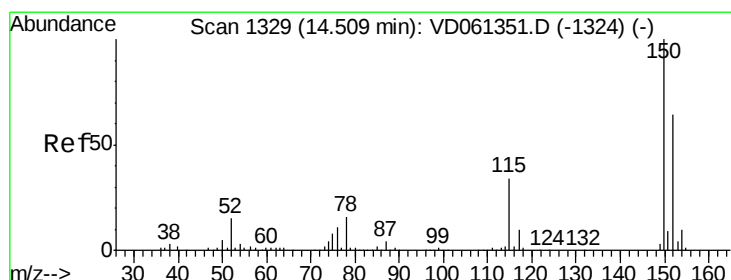
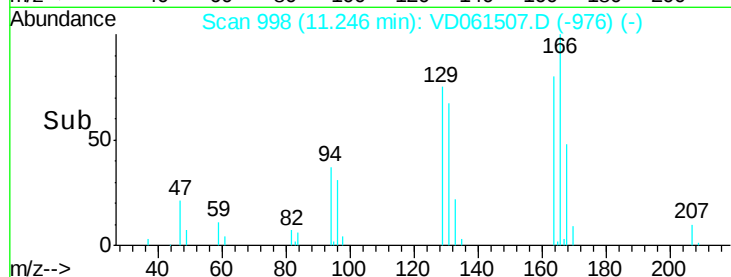
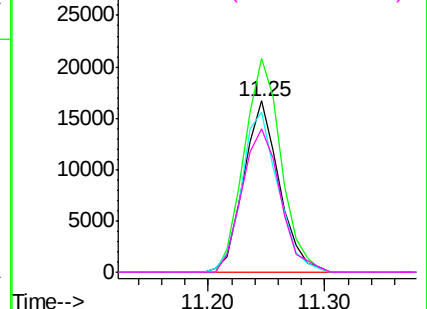


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VD061507.D

Acq: 2 Apr 2019 11:20

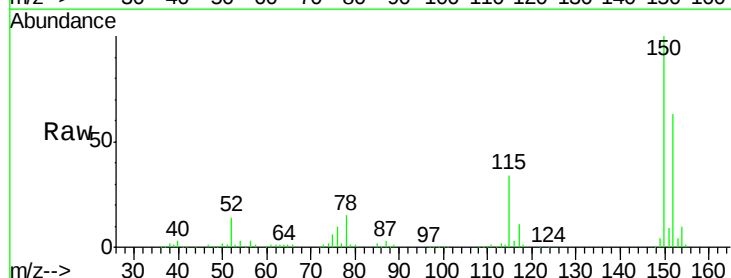
Tgt Ion:152 Resp: 256786

Ion Ratio Lower Upper

152 100

115 53.2 26.9 80.6

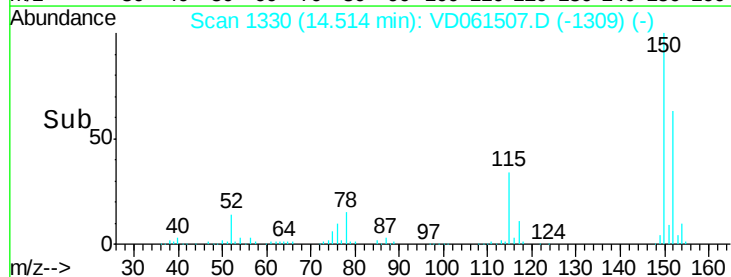
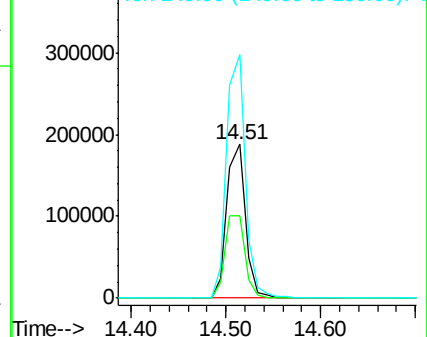
150 158.4 0.0 318.0

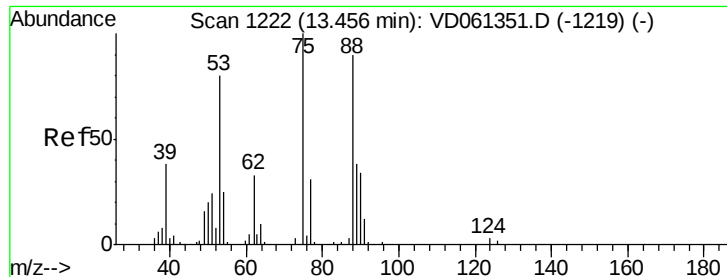


Abundance Ion 151.90 (151.60 to 152.60): V

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: 89.147 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061507.D

Acq: 2 Apr 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

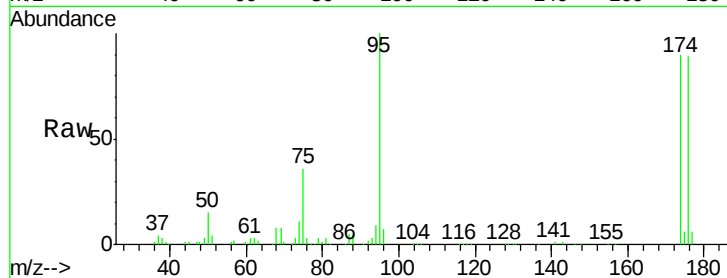
Tot Ion: 75 Resp: 100823

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

