

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033119\
 Data File : VD061453.D
 Acq On : 31 Mar 2019 18:09
 Operator : VA/AP
 Sample : K1685-11
 Misc : 7.78g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 01:55:08 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

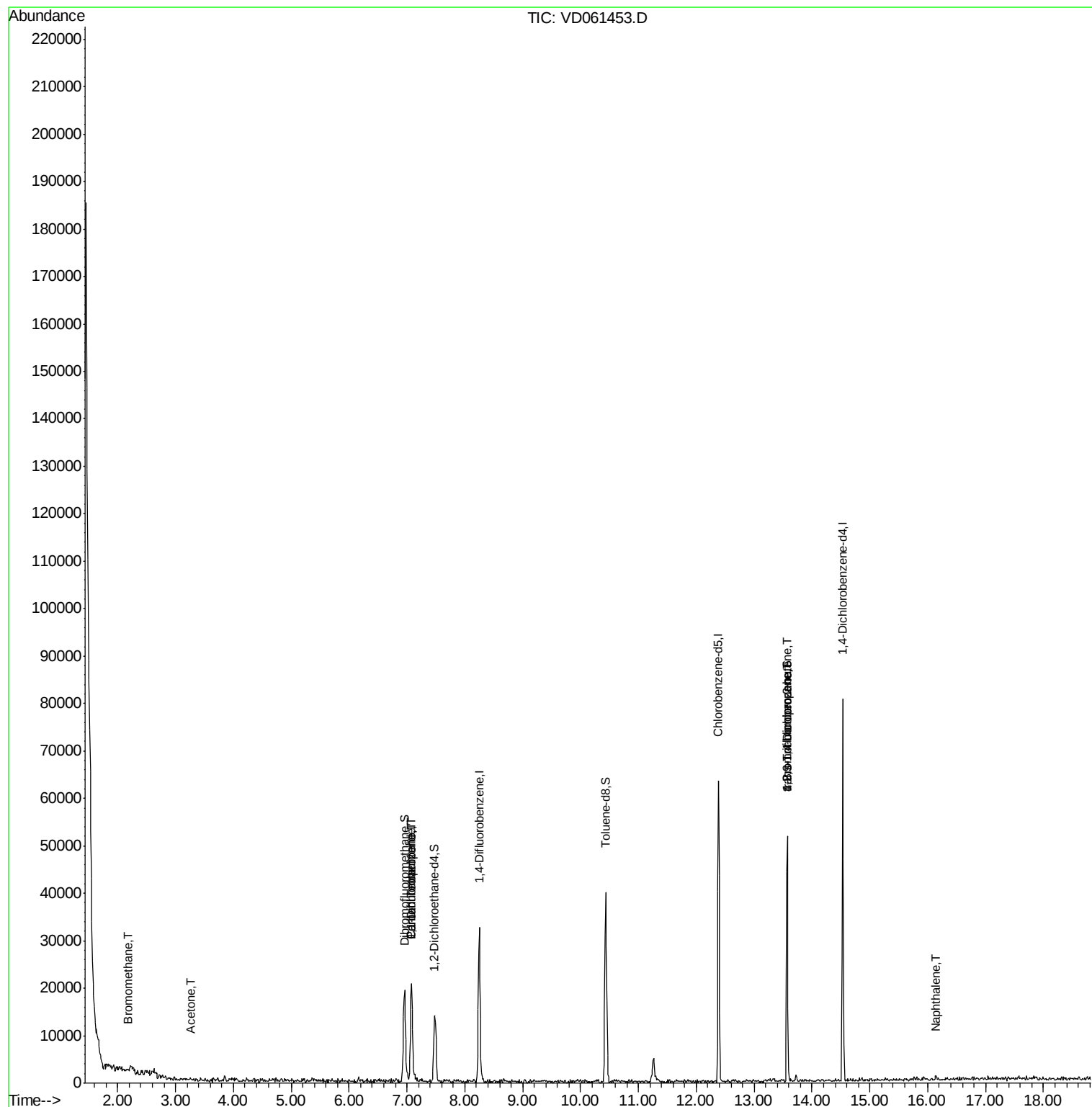
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	24392	50.00	ug/l	0.06
34) 1,4-Difluorobenzene	8.25	114	43751	50.00	ug/l	0.06
63) Chlorobenzene-d5	12.38	117	41452	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	18524	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	15881	76.22	ug/l	0.05
Spiked Amount 50.000			Recovery	=	152.44%	
35) Dibromofluoromethane	6.95	113	19889	59.49	ug/l	0.05
Spiked Amount 50.000			Recovery	=	118.98%	
50) Toluene-d8	10.43	98	36192	45.13	ug/l	0.05
Spiked Amount 50.000			Recovery	=	90.26%	
62) 4-Bromofluorobenzene	13.58	95	17480	56.84	ug/l	0.03
Spiked Amount 50.000			Recovery	=	113.68%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.18	94	182	4.705	ug/l #	1
16) Acetone	3.25	43	194	3.622	ug/l #	48
20) Methylene Chloride	3.85	84	217	Below Cal	#	54
36) 1,1-Dichloropropene	7.07	75	673	1.762	ug/l #	38
38) Carbon Tetrachloride	7.08	117	1737	3.959	ug/l #	10
76) 1,2,3-Trichloropropane	13.57	75	6616	24.725	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.57	75	6617	81.104	ug/l #	18
95) Naphthalene	16.13	128	499	1.354	ug/l #	70

(#) = 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: 7.08 min Scan# 574

Delta R.T. 0.06 min

Lab File: VD061453.D

Acq: 31 Mar 2019 18:09

Instrument :

MSVOA_D

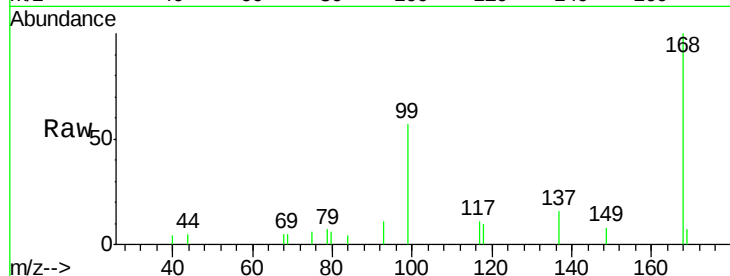
ClientSampleId :

Tot Ion:168 Resp: 24392

Ion Ratio Lower Upper

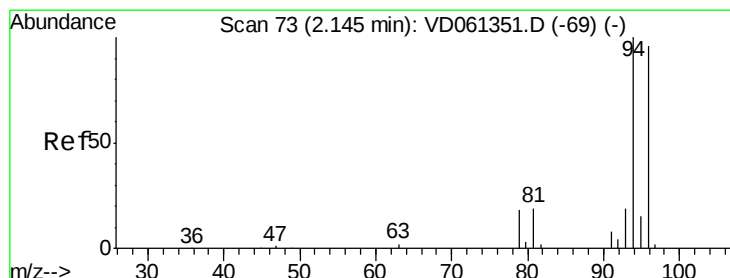
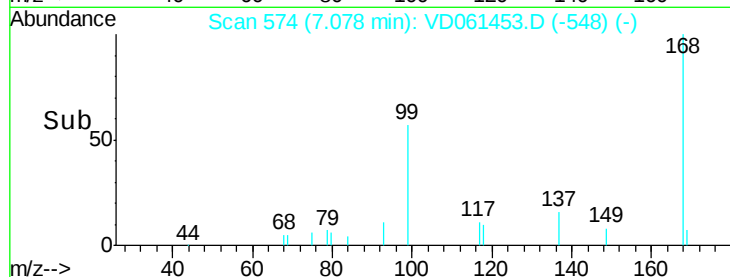
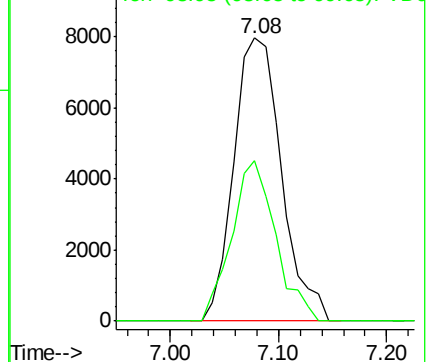
168 100

99 56.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 4.705 ug/l

RT: 2.18 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD061453.D

Acq: 31 Mar 2019 18:09

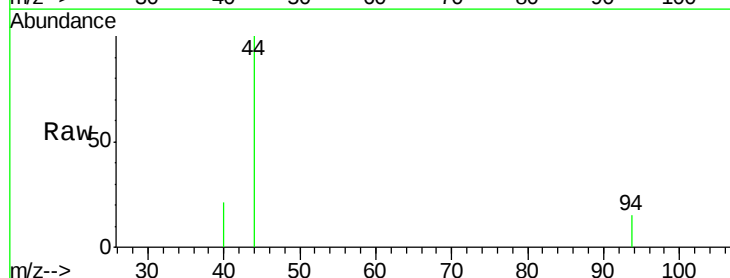
Tgt Ion: 94 Resp: 182

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

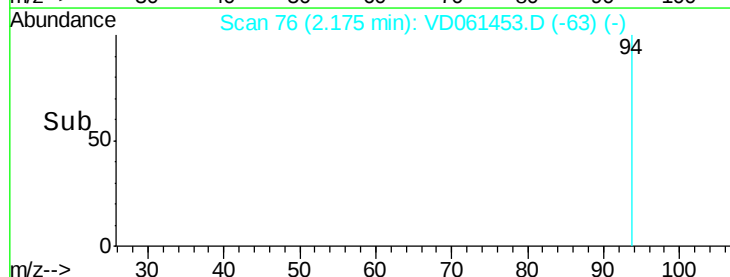
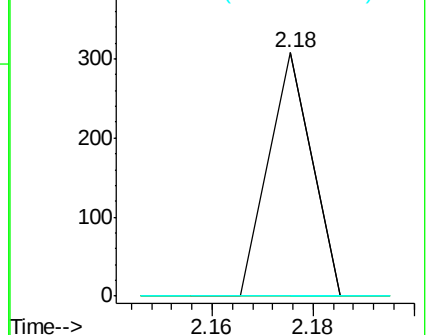
93 100.0 15.6 23.4#



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





#16

Acetone

Concen: 3.622 ug/l

RT: 3.25 min Scan# 185

Delta R.T. 0.05 min

Lab File: VD061453.D

Acq: 31 Mar 2019 18:09

Instrument :

MSVOA_D

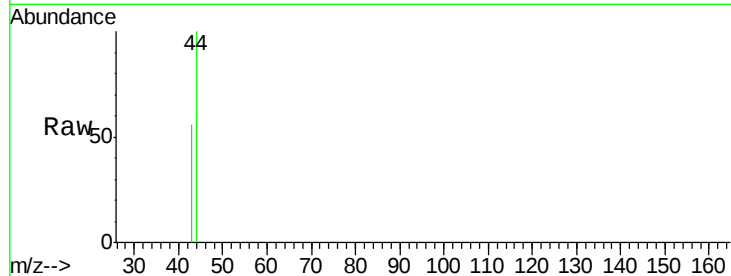
ClientSampleId :

Tot Ion: 43 Resp: 194

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

3.25

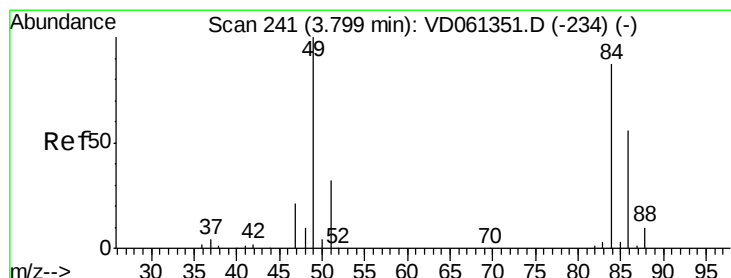
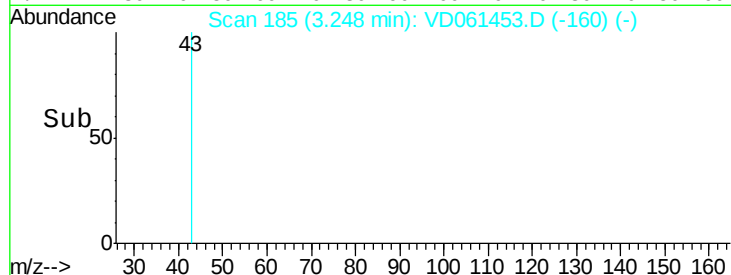
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 3.85 min Scan# 246

Delta R.T. 0.05 min

Lab File: VD061453.D

Acq: 31 Mar 2019 18:09

Tgt Ion: 84 Resp: 217

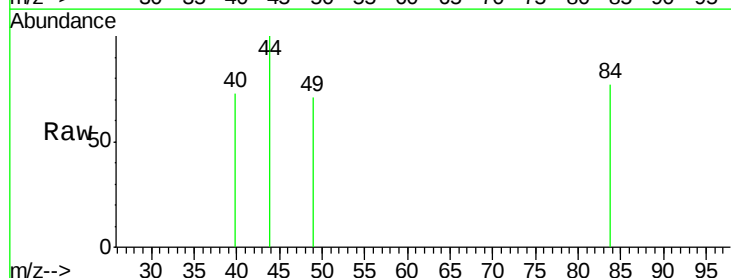
Ion Ratio Lower Upper

84 100

49 93.2 91.8 137.8

51 0.0 29.8 44.8#

86 0.0 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

1000

800

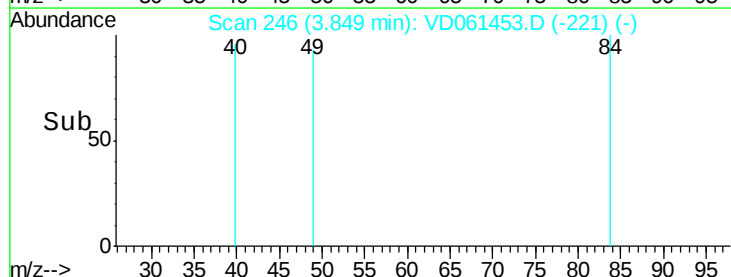
600

400

200

0

Time-->

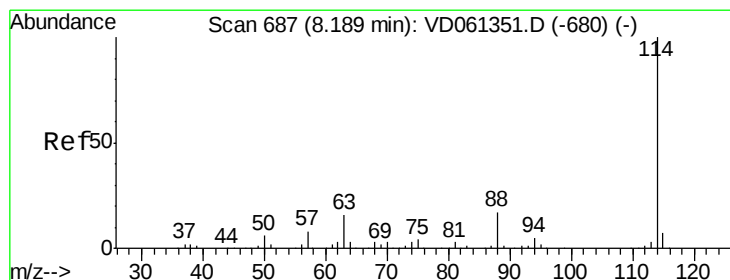
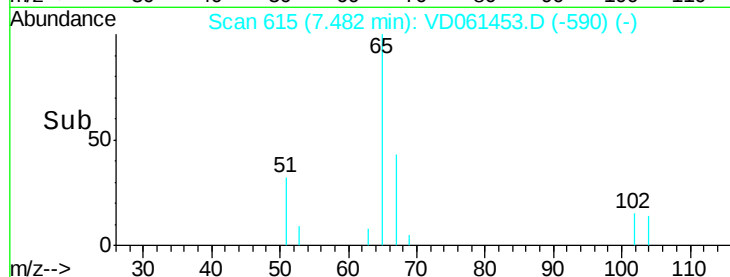
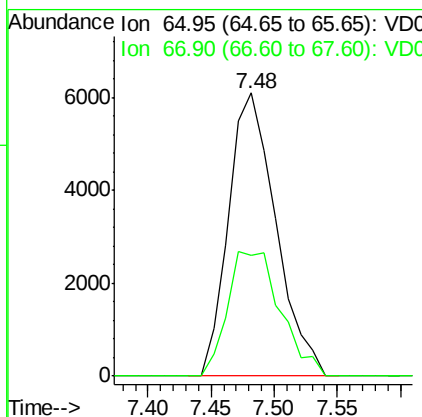
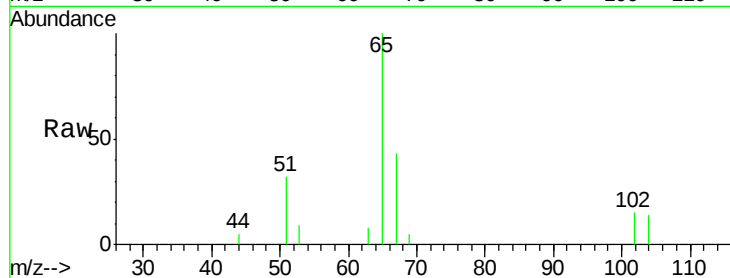




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.05 min
 Lab File: VD061453.D
 Acq: 31 Mar 2019 18:09

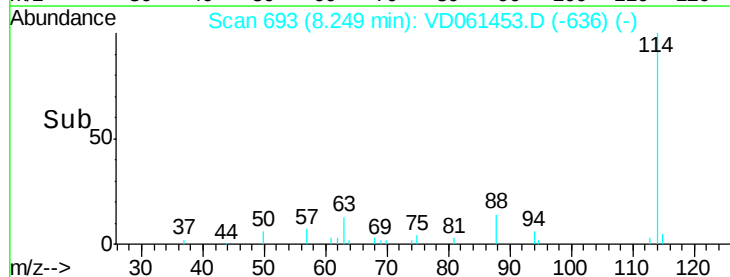
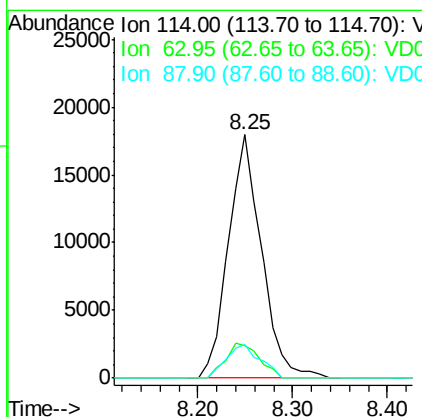
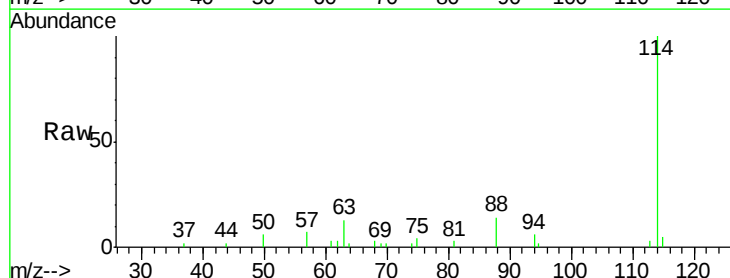
Instrument :
 MSVOA_D
 ClientSampleId :

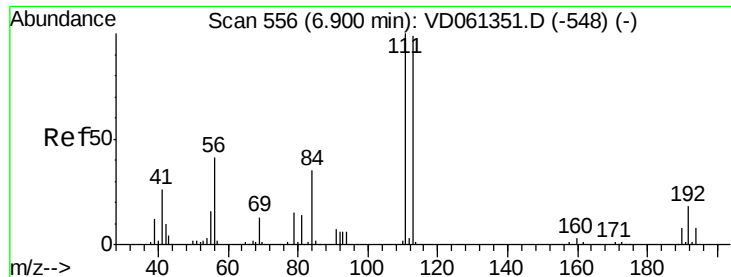
Tot Ion: 65 Resp: 15881
 Ion Ratio Lower Upper
 65 100
 67 42.8 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 693
 Delta R.T. 0.06 min
 Lab File: VD061453.D
 Acq: 31 Mar 2019 18:09

Tgt Ion: 114 Resp: 43751
 Ion Ratio Lower Upper
 114 100
 63 13.4 0.0 31.6
 88 13.7 0.0 33.4

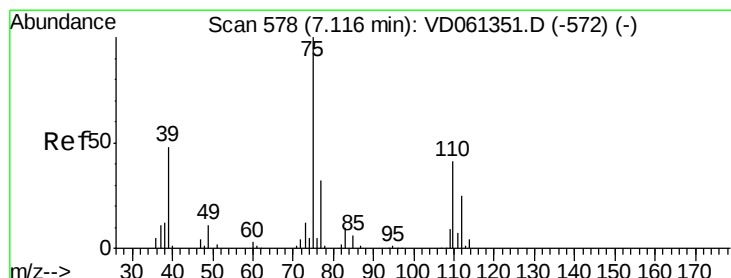
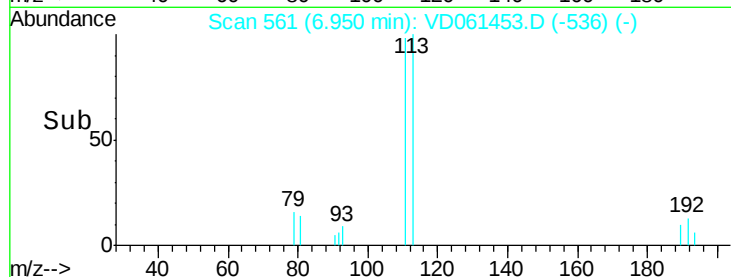
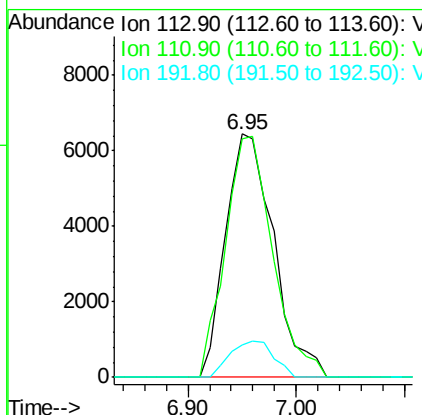
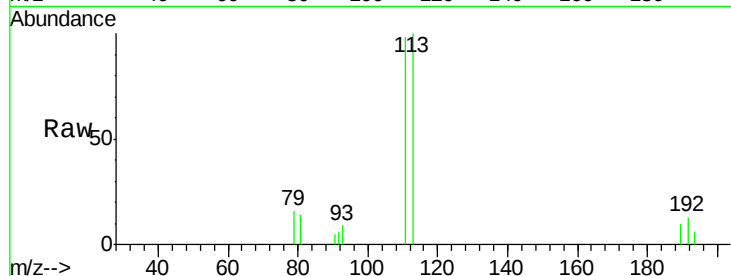




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD061453.D
 Acq: 31 Mar 2019 18:09

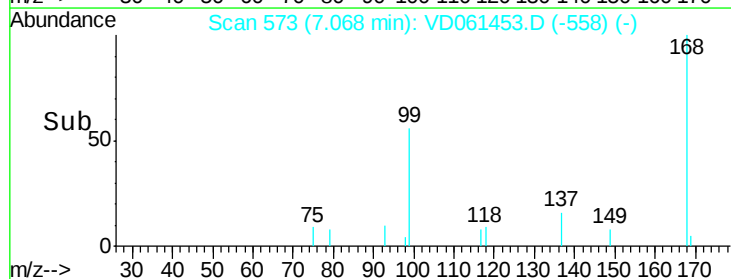
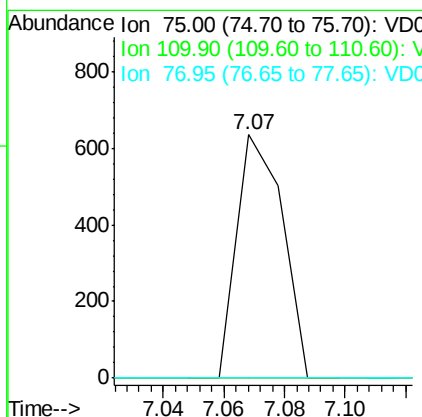
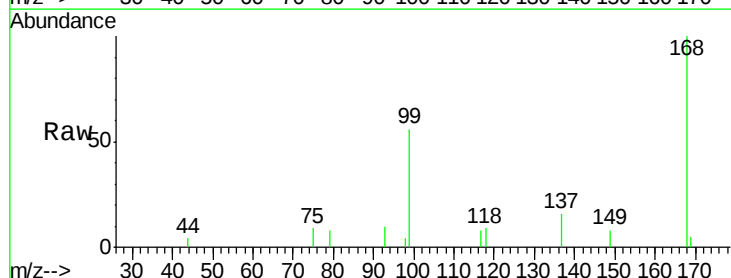
Instrument :
 MSVOA_D
 ClientSampleId :

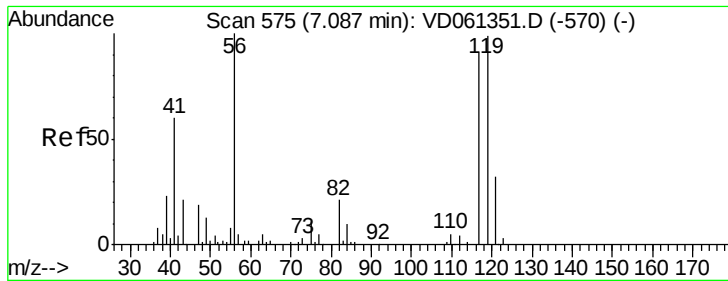
Tot Ion:113 Resp: 19889
 Ion Ratio Lower Upper
 113 100
 111 98.0 81.0 121.6
 192 13.1 14.4 21.6#



#36
 1,1-Dichloropropene
 Concen: 1.762 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.05 min
 Lab File: VD061453.D
 Acq: 31 Mar 2019 18:09

Tgt Ion: 75 Resp: 673
 Ion Ratio Lower Upper
 75 100
 110 0.0 20.4 61.3#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 3.959 ug/l

RT: 7.08 min Scan# 574

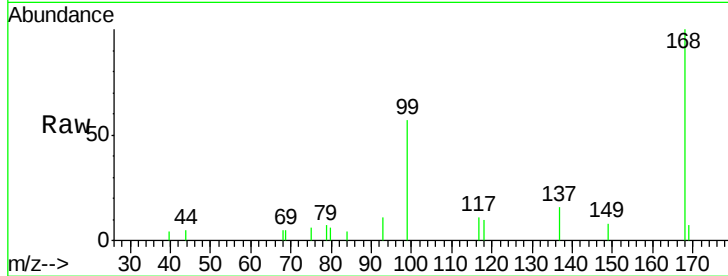
Delta R.T. -0.01 min

Lab File: VD061453.D

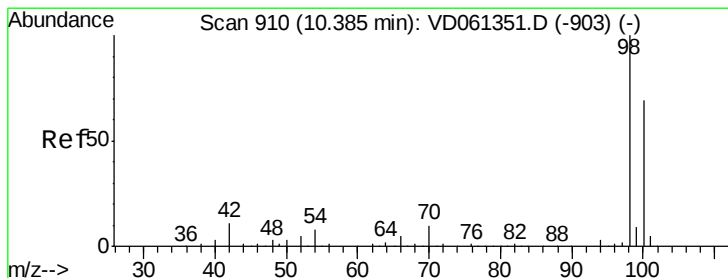
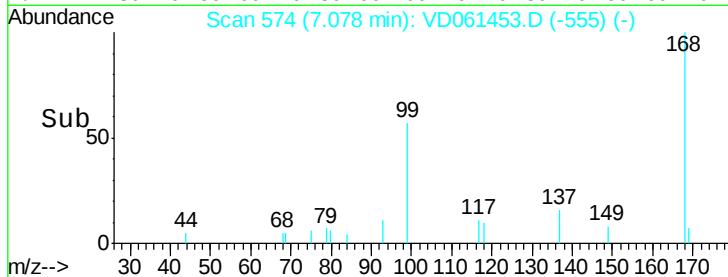
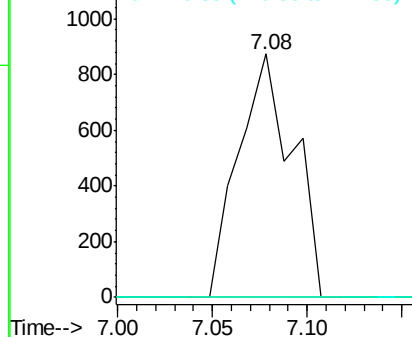
Acq: 31 Mar 2019 18:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1737
Ion Ratio Lower Upper
117 100
119 0.0 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

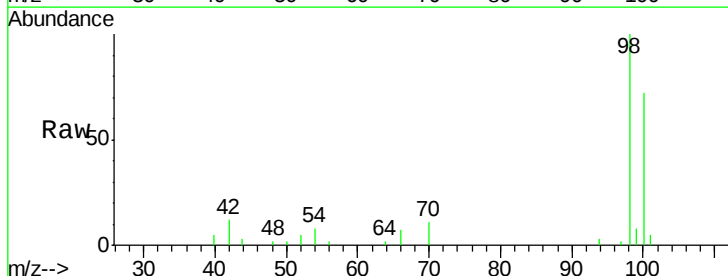
RT: 10.43 min Scan# 915

Delta R.T. 0.05 min

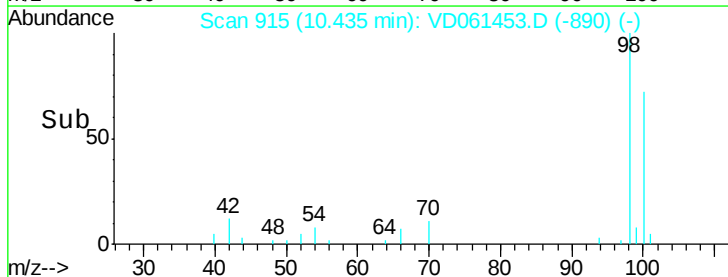
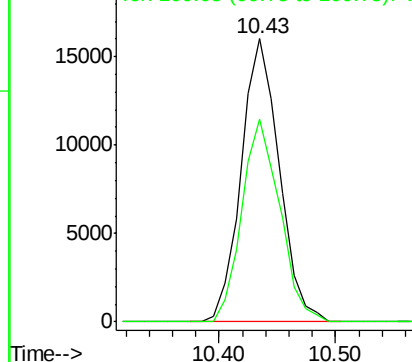
Lab File: VD061453.D

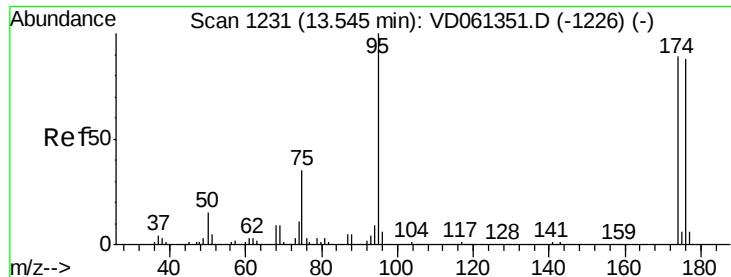
Acq: 31 Mar 2019 18:09

Tgt Ion: 98 Resp: 36192
Ion Ratio Lower Upper
98 100
100 71.7 56.2 84.2



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

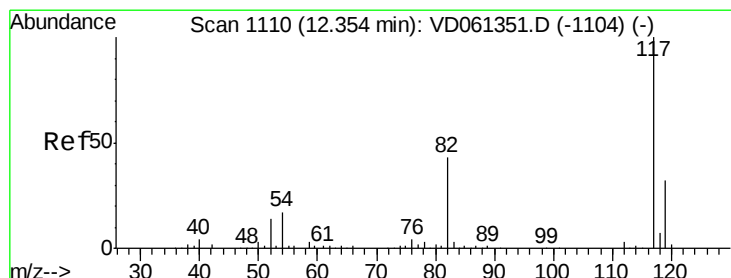
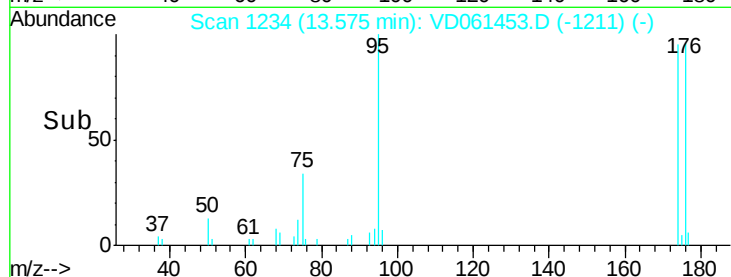
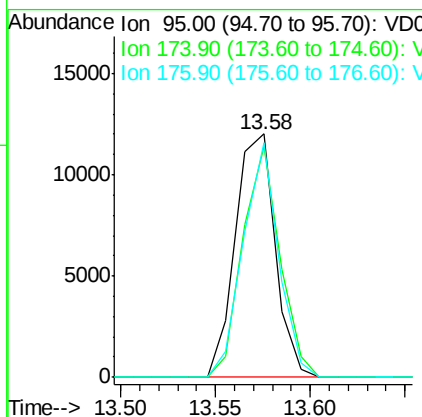
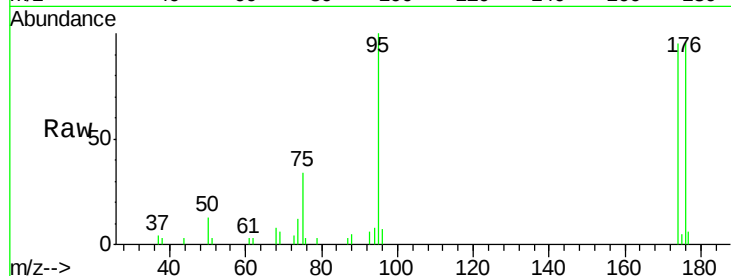




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.58 min Scan# 1234
Delta R.T. 0.03 min
Lab File: VD061453.D
Acq: 31 Mar 2019 18:09

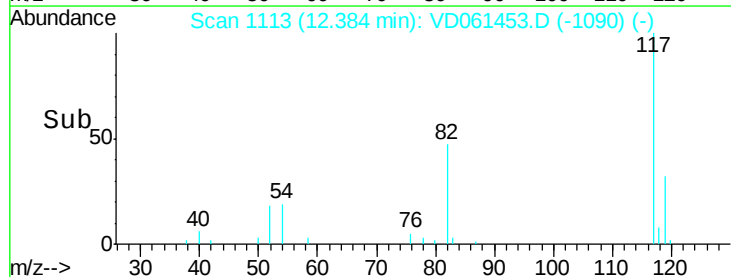
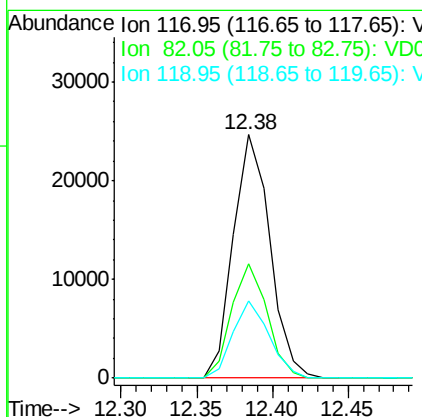
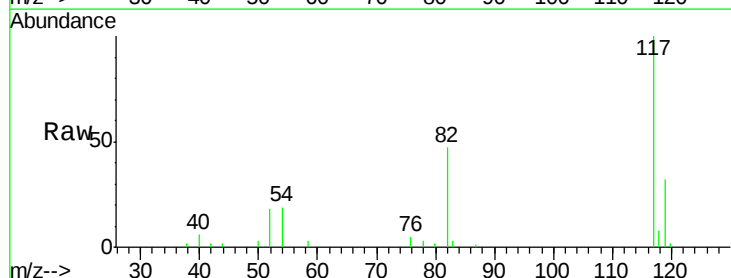
Instrument :
MSVOA_D
ClientSampleId :

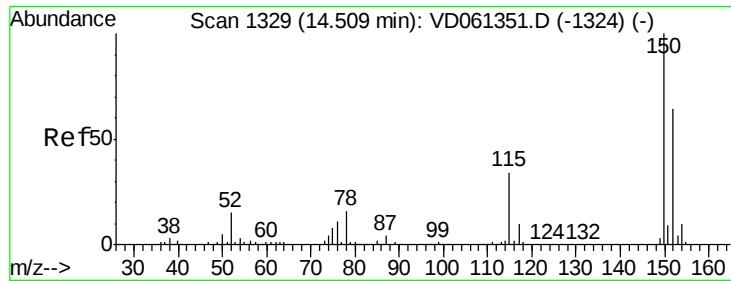
Tot Ion: 95 Resp: 17480
Ion Ratio Lower Upper
95 100
174 94.6 0.0 178.0
176 96.5 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.03 min
Lab File: VD061453.D
Acq: 31 Mar 2019 18:09

Tgt Ion: 117 Resp: 41452
Ion Ratio Lower Upper
117 100
82 47.1 34.4 51.6
119 31.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD061453.D

Acq: 31 Mar 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

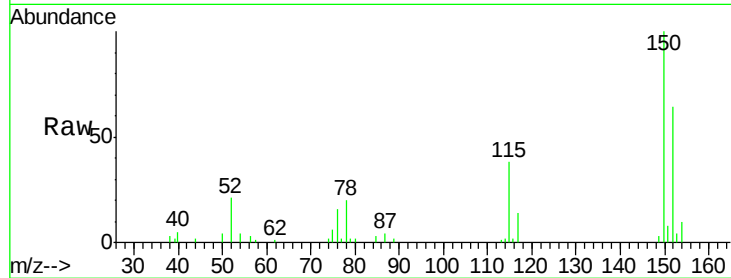
Tot Ion:152 Resp: 18524

Ion Ratio Lower Upper

152 100

115 59.9 26.9 80.6

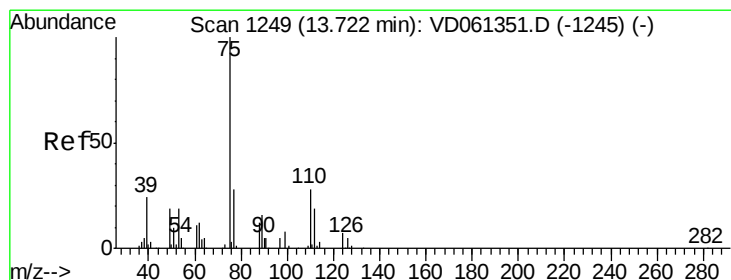
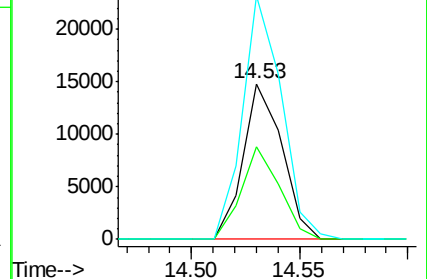
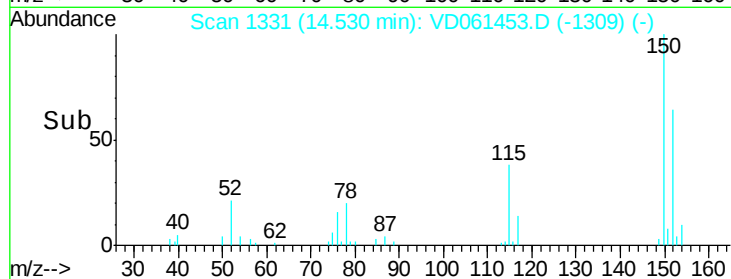
150 156.7 0.0 318.0



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: 24.725 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061453.D

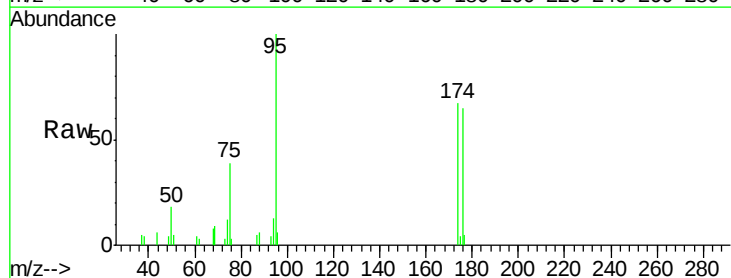
Acq: 31 Mar 2019 18:09

Tgt Ion: 75 Resp: 6616

Ion Ratio Lower Upper

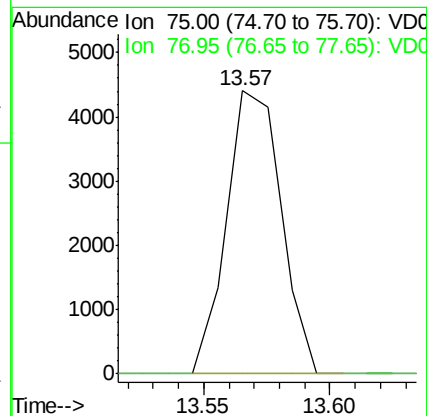
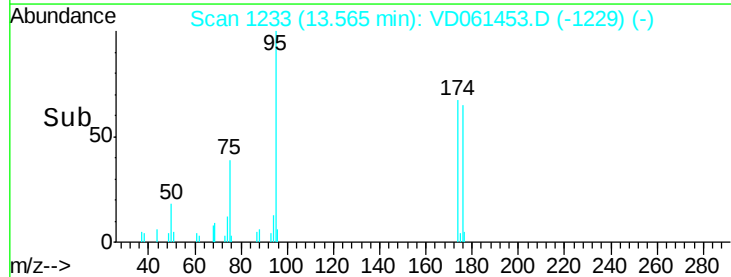
75 100

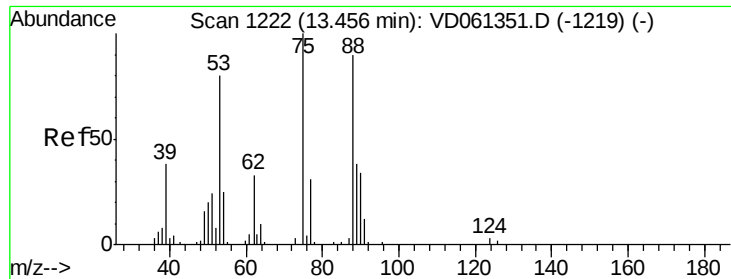
77 0.0 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 81.104 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.11 min

Lab File: VD061453.D

Acq: 31 Mar 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

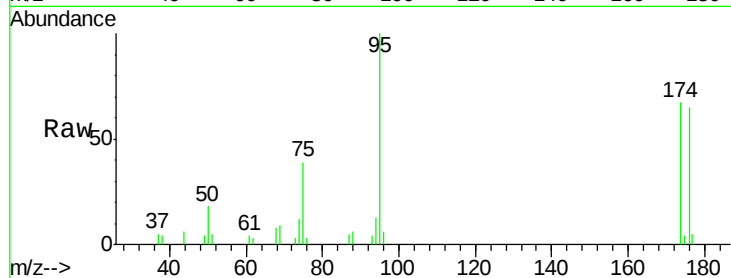
Tot Ion: 75 Resp: 6617

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

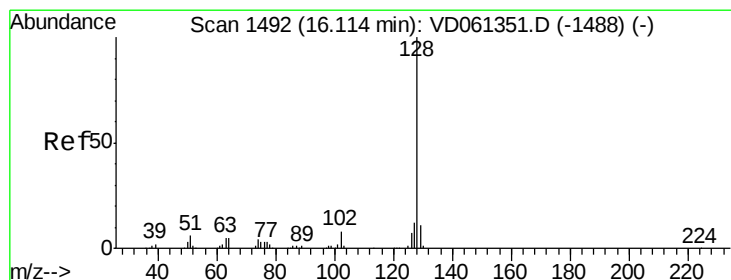
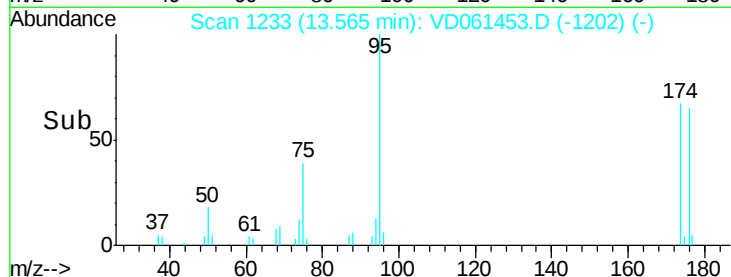
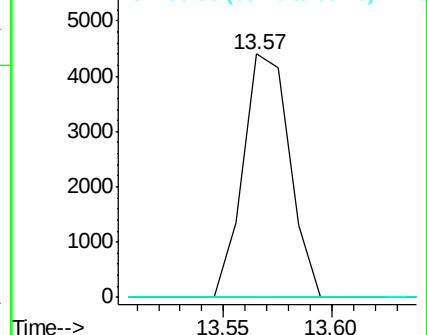
89 0.0 30.5 45.7#



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



#95

Naphthalene

Concen: 1.354 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.02 min

Lab File: VD061453.D

Acq: 31 Mar 2019 18:09

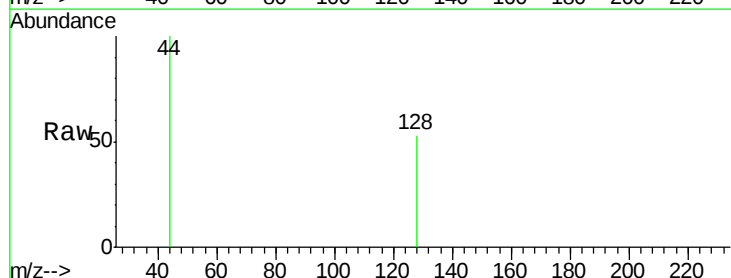
Tgt Ion: 128 Resp: 499

Ion Ratio Lower Upper

128 100

127 0.0 9.9 14.9#

129 0.0 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

