

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061677.D
 Acq On : 9 Apr 2019 16:20
 Operator : VA/AP
 Sample : K2240-09
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 10 00:54:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	51941	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.26	114	83694	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.39	117	77098	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.54	152	28881	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.50	65	38818	98.60	ug/l	0.05
Spiked Amount 50.000			Recovery	=	197.20%	
35) Dibromofluoromethane	6.97	113	42529	73.35	ug/l	0.05
Spiked Amount 50.000			Recovery	=	146.70%	
50) Toluene-d8	10.44	98	88204	60.55	ug/l	0.04
Spiked Amount 50.000			Recovery	=	121.10%	
62) 4-Bromofluorobenzene	13.57	95	33679	72.31	ug/l	0.02
Spiked Amount 50.000			Recovery	=	144.62%	

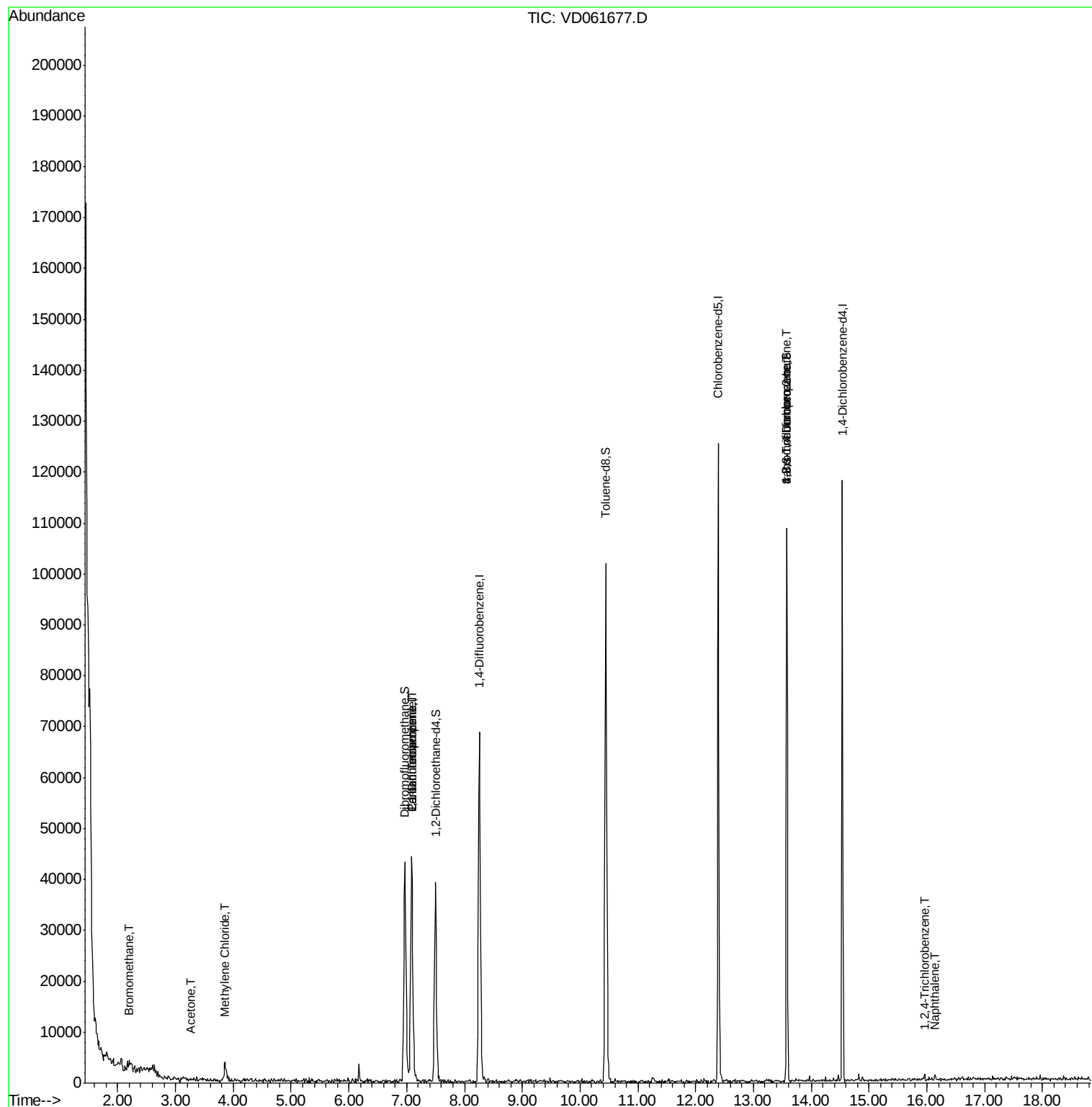
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	1265	12.916	ug/l #	12
16) Acetone	3.26	43	177	1.504	ug/l #	51
20) Methylene Chloride	3.87	84	3265	4.889	ug/l #	67
36) 1,1-Dichloropropene	7.08	75	3341	4.561	ug/l #	39
38) Carbon Tetrachloride	7.09	117	4242	4.941	ug/l #	11
76) 1,2,3-Trichloropropane	13.57	75	12678	32.265	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.57	75	12954	108.643	ug/l #	20
93) 1,2,4-Trichlorobenzene	15.97	180	507	1.256	ug/l #	62
95) Naphthalene	16.14	128	868	1.359	ug/l #	43

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

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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.09 min Scan# 575

Delta R.T. 0.05 min

Lab File: VD061677.D

Acq: 9 Apr 2019 16:20

Instrument :

MSVOA_D

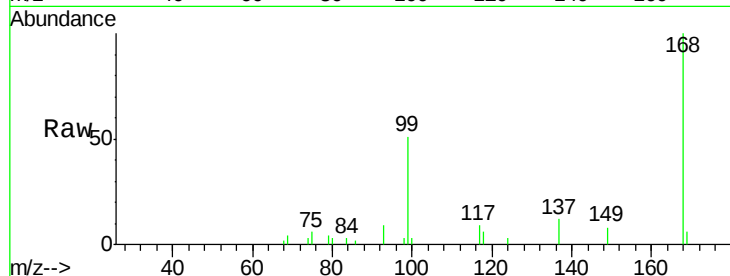
ClientSampleId :

Tot Ion:168 Resp: 51941

Ion Ratio Lower Upper

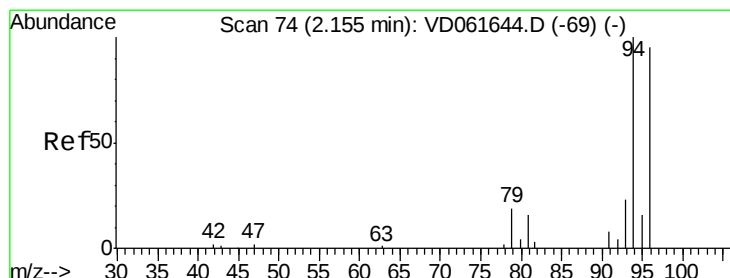
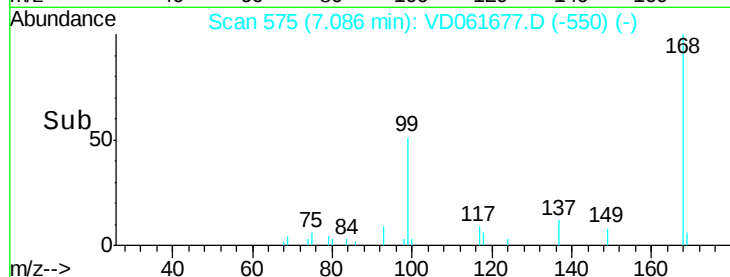
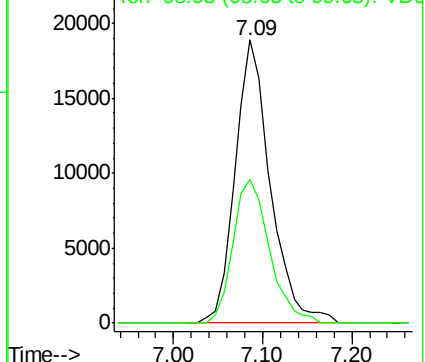
168 100

99 50.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 12.916 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.04 min

Lab File: VD061677.D

Acq: 9 Apr 2019 16:20

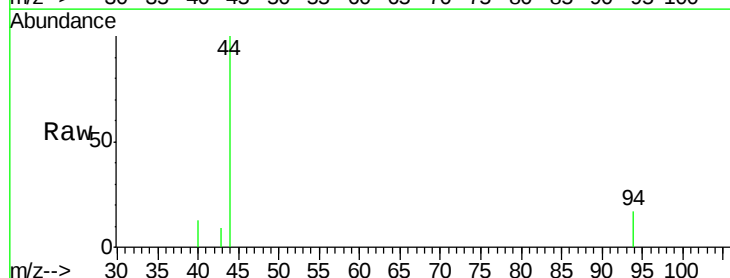
Tgt Ion: 94 Resp: 1265

Ion Ratio Lower Upper

94 100

96 0.0 75.8 113.8#

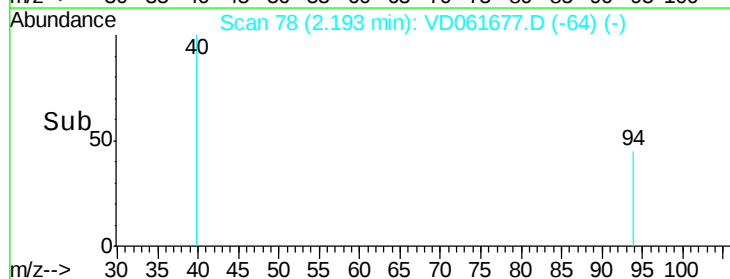
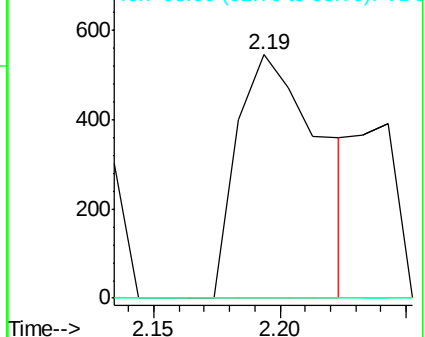
93 0.0 18.6 28.0#



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: 1.504 ug/l

RT: 3.26 min Scan# 186

Delta R.T. 0.04 min

Lab File: VD061677.D

Acq: 9 Apr 2019 16:20

Instrument :

MSVOA_D

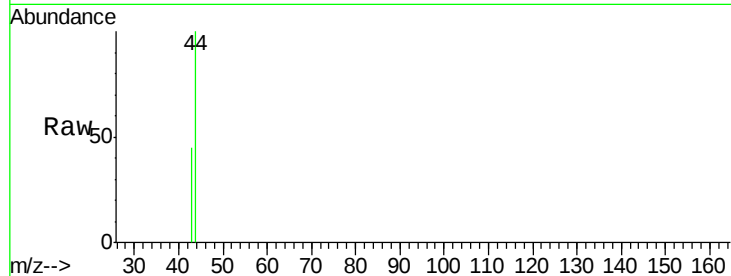
ClientSampleId :

Tot Ion: 43 Resp: 177

Ion Ratio Lower Upper

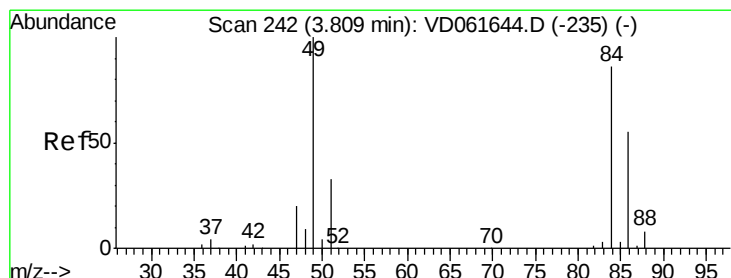
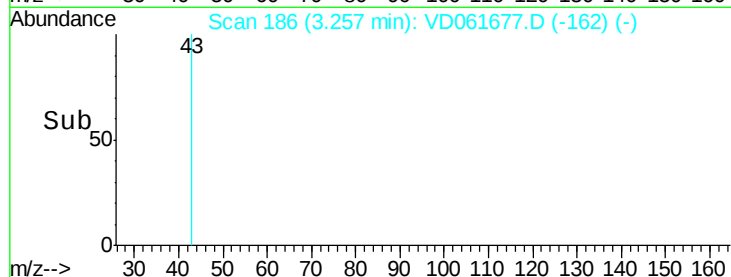
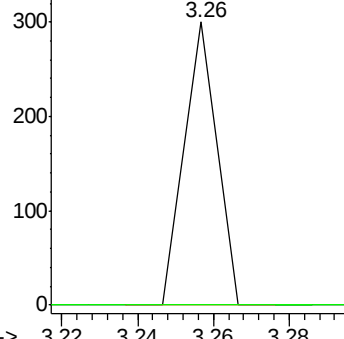
43 100

58 0.0 19.7 29.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 4.889 ug/l

RT: 3.87 min Scan# 248

Delta R.T. 0.06 min

Lab File: VD061677.D

Acq: 9 Apr 2019 16:20

Tgt Ion: 84 Resp: 3265

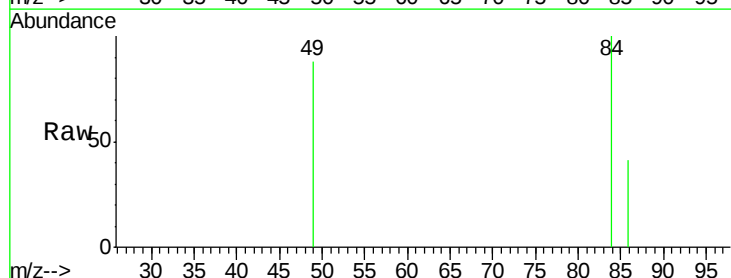
Ion Ratio Lower Upper

84 100

49 88.5 93.0 139.4#

51 0.0 30.4 45.6#

86 40.6 51.0 76.4#

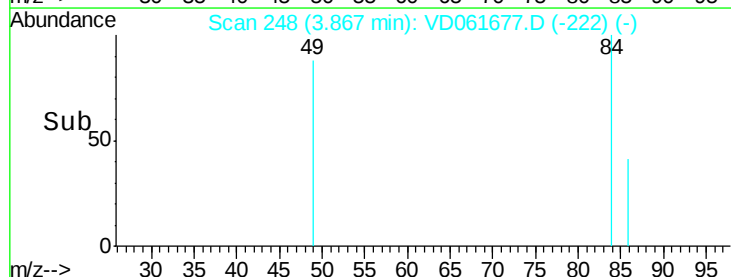
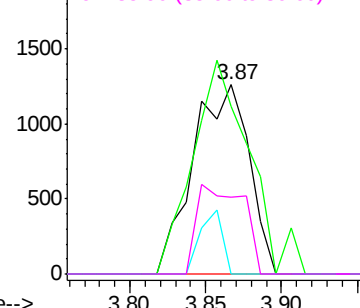


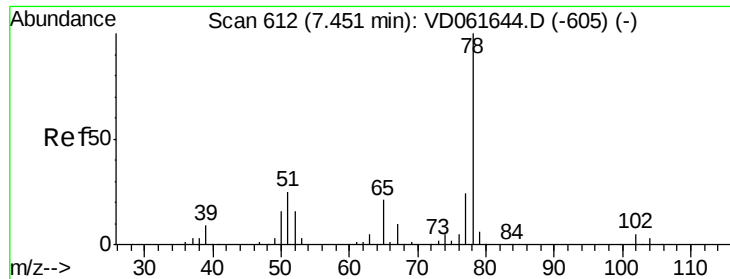
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

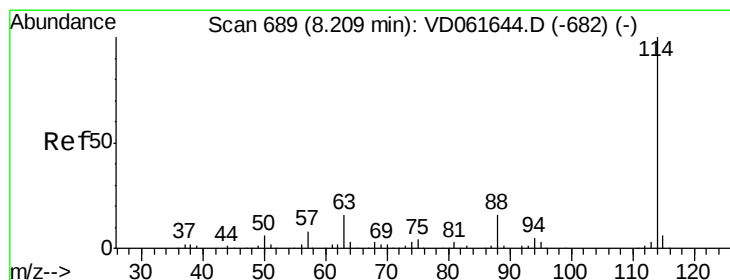
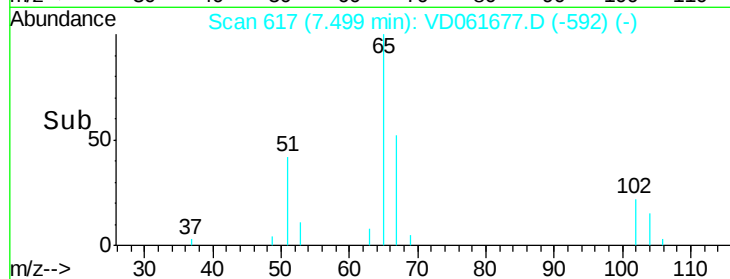
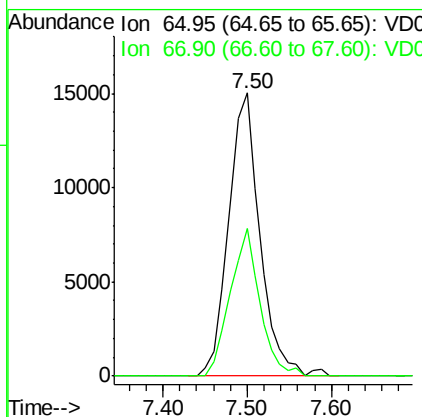
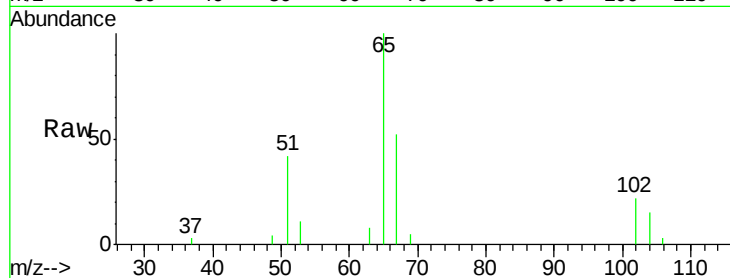




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.50 min Scan# 617
 Delta R.T. 0.05 min
 Lab File: VD061677.D
 Acq: 9 Apr 2019 16:20

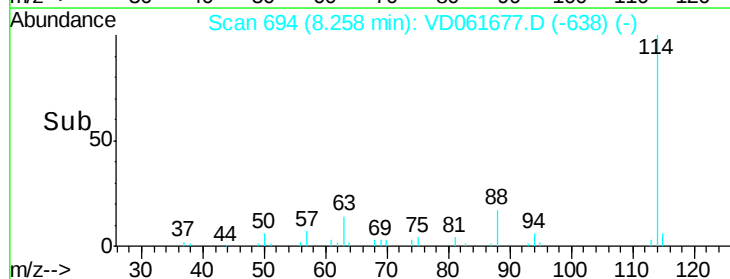
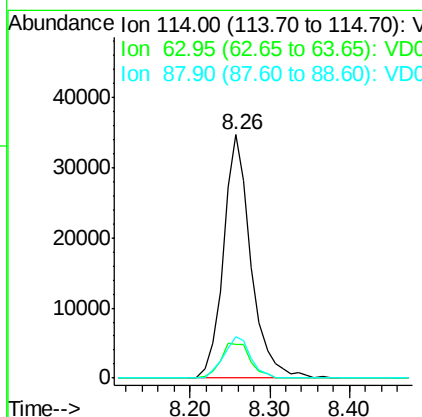
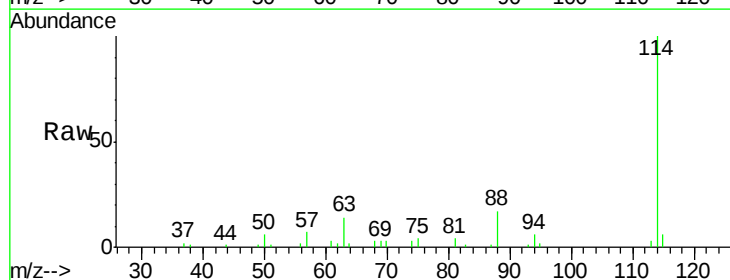
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 38818
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.26 min Scan# 694
 Delta R.T. 0.05 min
 Lab File: VD061677.D
 Acq: 9 Apr 2019 16:20

Tgt Ion: 114 Resp: 83694
 Ion Ratio Lower Upper
 114 100
 63 13.9 0.0 31.2
 88 17.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.05 min

Lab File: VD061677.D

Acq: 9 Apr 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

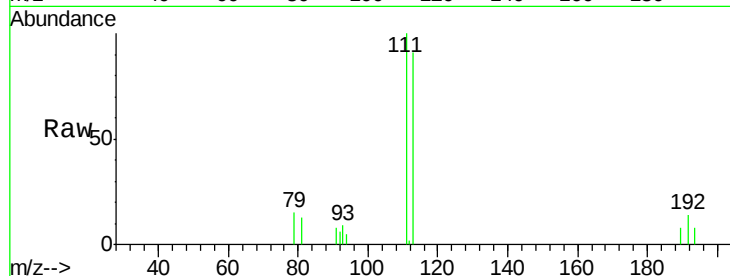
Tot Ion:113 Resp: 42529

Ion Ratio Lower Upper

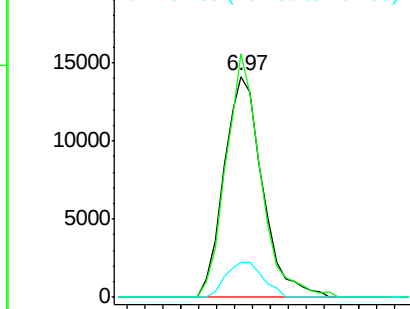
113 100

111 110.3 79.3 118.9

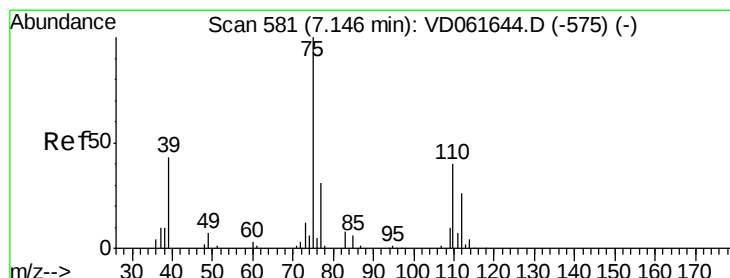
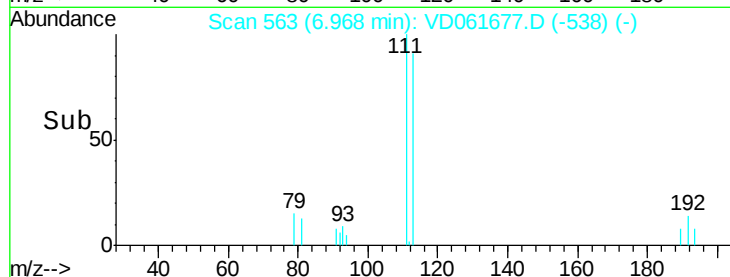
192 15.6 12.3 18.5



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



Time-->



#36

1,1-Dichloropropene

Concen: 4.561 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.07 min

Lab File: VD061677.D

Acq: 9 Apr 2019 16:20

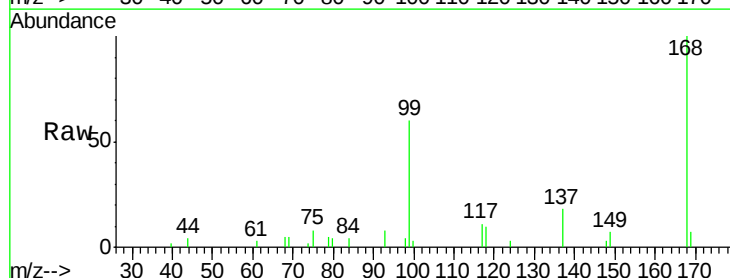
Tgt Ion: 75 Resp: 3341

Ion Ratio Lower Upper

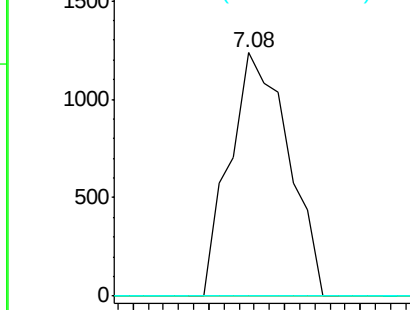
75 100

110 0.0 19.7 59.0#

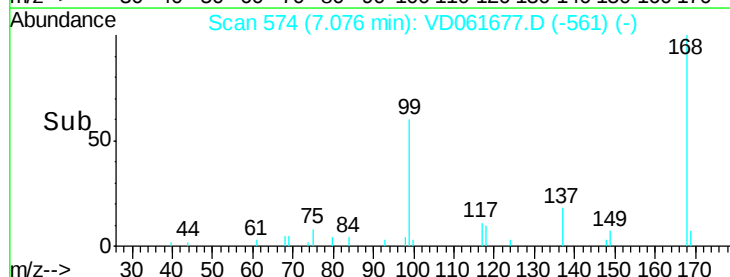
77 0.0 24.8 37.2#

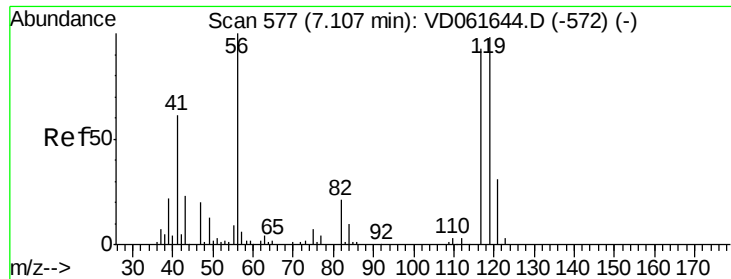


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC



Time-->

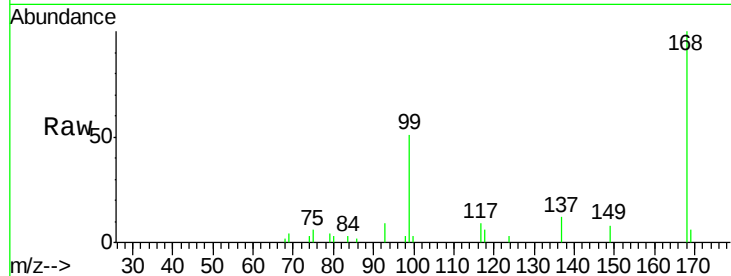




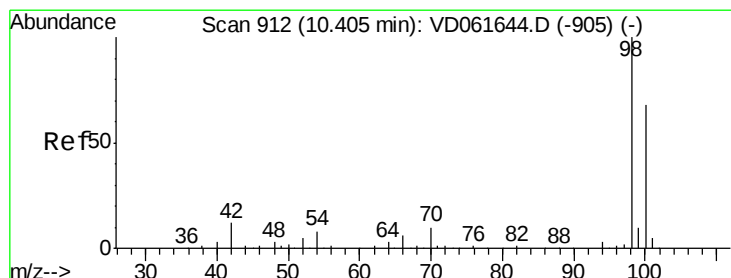
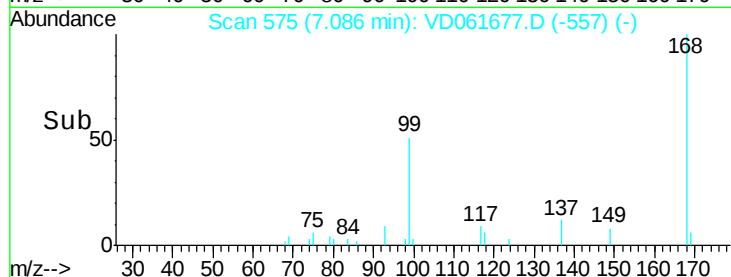
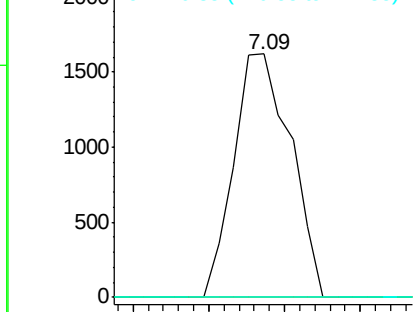
#38
Carbon Tetrachloride
Concen: 4.941 ug/l
RT: 7.09 min Scan# 575
Delta R.T. -0.02 min
Lab File: VD061677.D
Acq: 9 Apr 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 4242
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.7 37.1#

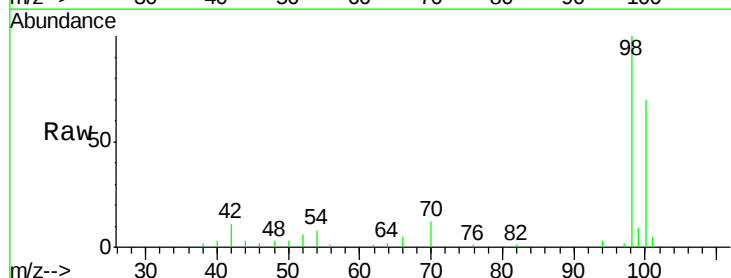


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

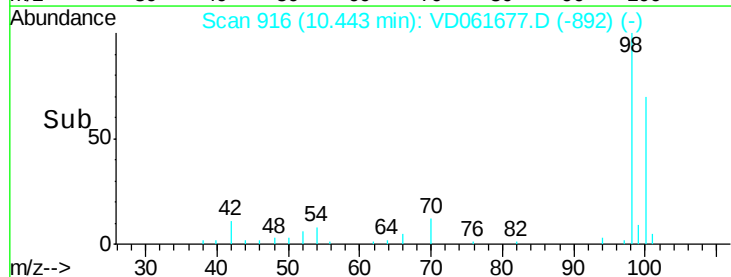
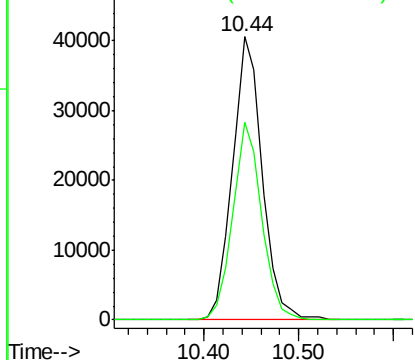


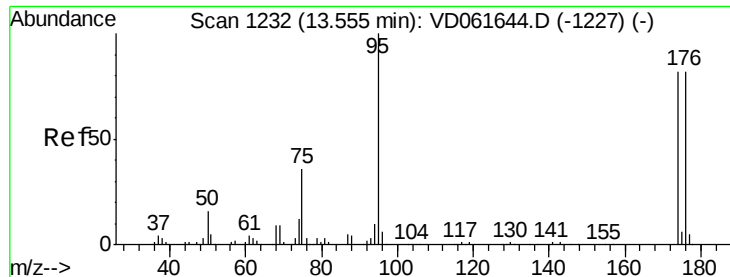
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.44 min Scan# 916
Delta R.T. 0.04 min
Lab File: VD061677.D
Acq: 9 Apr 2019 16:20

Tgt Ion: 98 Resp: 88204
Ion Ratio Lower Upper
98 100
100 69.9 55.4 83.0



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: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061677.D

Acq: 9 Apr 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

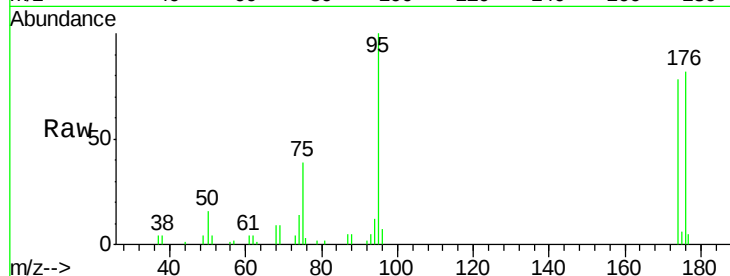
Tot Ion: 95 Resp: 33679

Ion Ratio Lower Upper

95 100

174 78.5 0.0 164.6

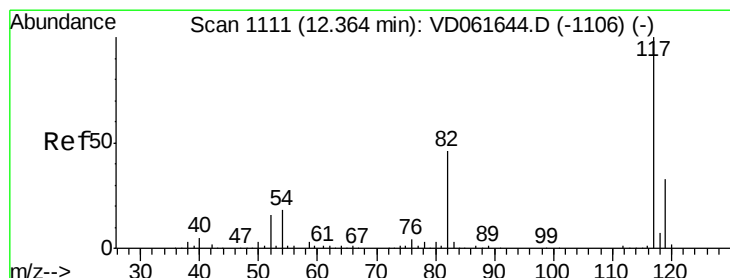
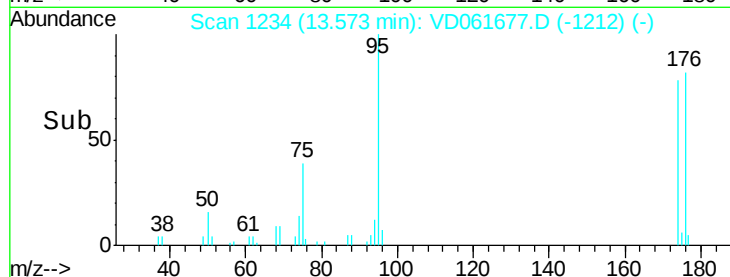
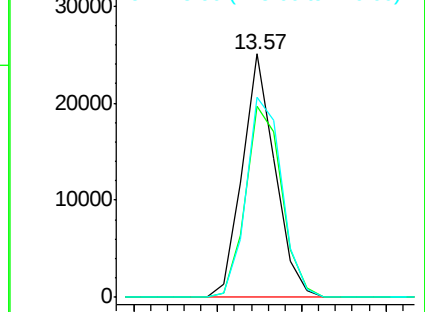
176 82.4 0.0 165.0



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: 12.39 min Scan# 1114

Delta R.T. 0.03 min

Lab File: VD061677.D

Acq: 9 Apr 2019 16:20

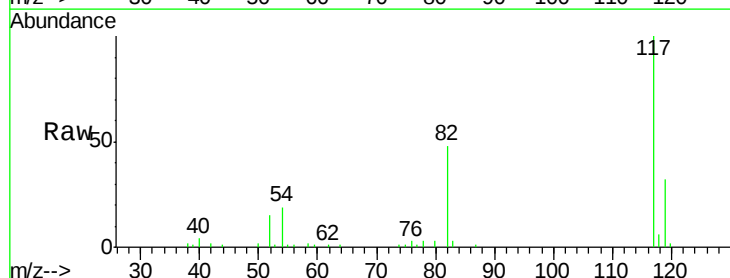
Tgt Ion: 117 Resp: 77098

Ion Ratio Lower Upper

117 100

82 47.9 36.8 55.2

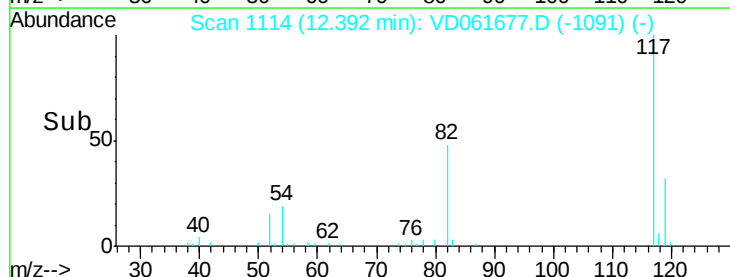
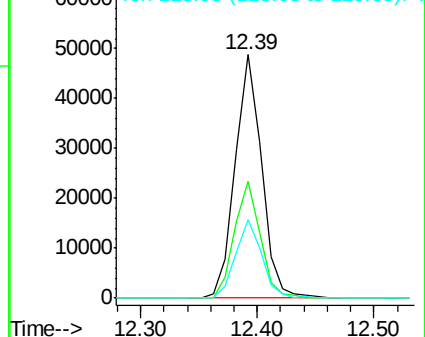
119 32.4 26.1 39.1

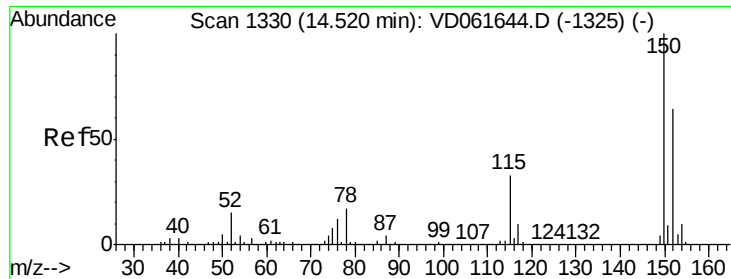


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.54 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD061677.D

Acq: 9 Apr 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

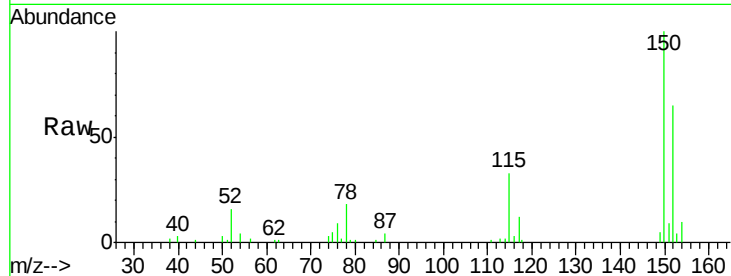
Tot Ion:152 Resp: 28881

Ion Ratio Lower Upper

152 100

115 51.6 26.4 79.2

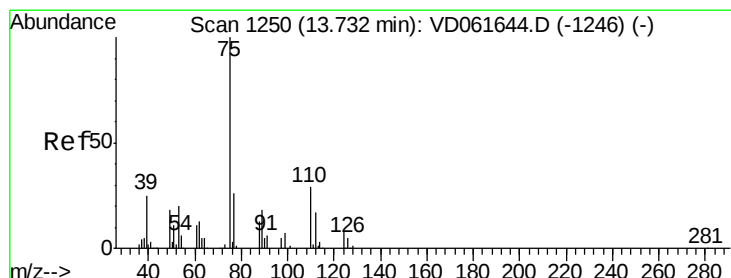
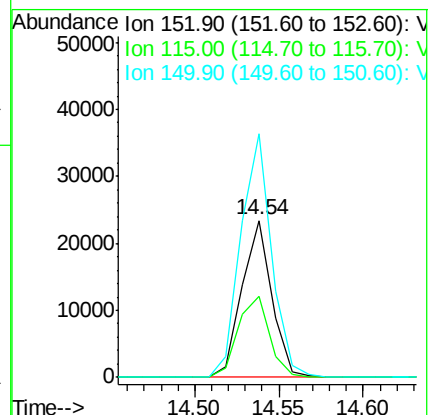
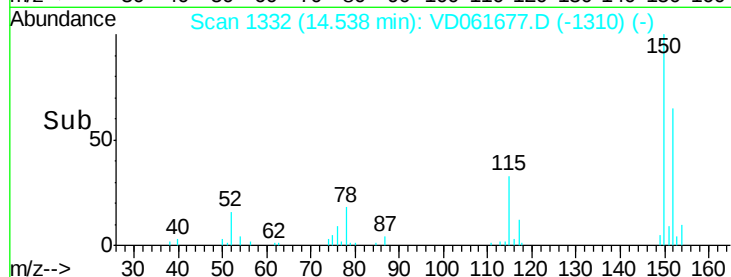
150 155.0 0.0 320.6



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: 32.265 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD061677.D

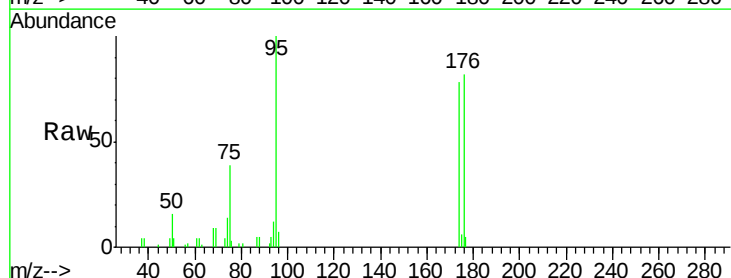
Acq: 9 Apr 2019 16:20

Tgt Ion: 75 Resp: 12678

Ion Ratio Lower Upper

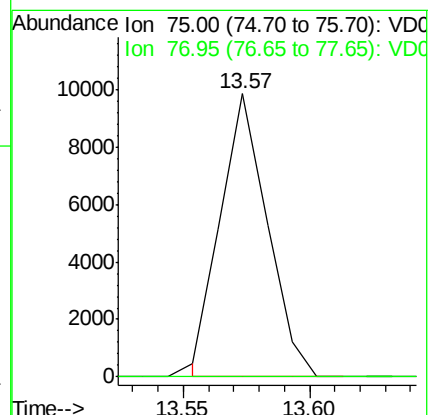
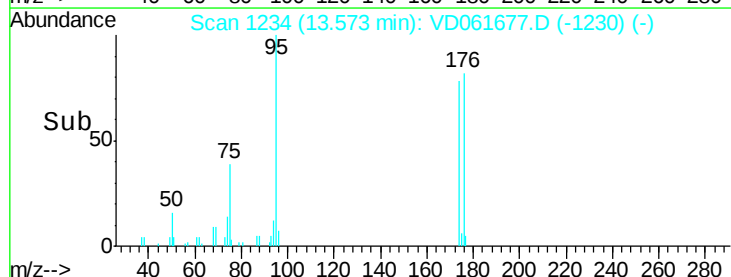
75 100

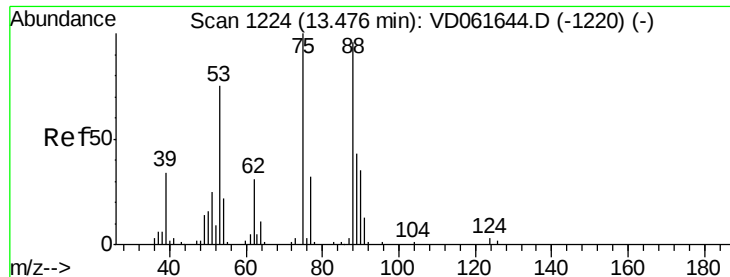
77 0.0 15.7 47.1#



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: 108.643 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD061677.D

Acq: 9 Apr 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

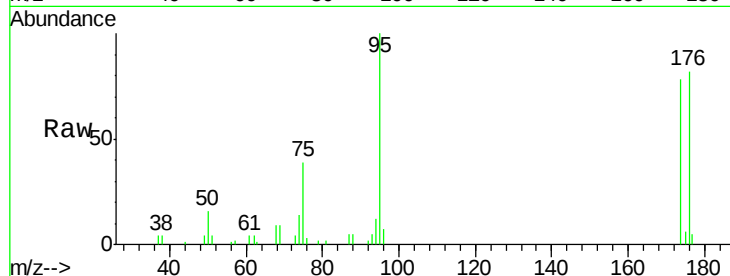
Tot Ion: 75 Resp: 12954

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

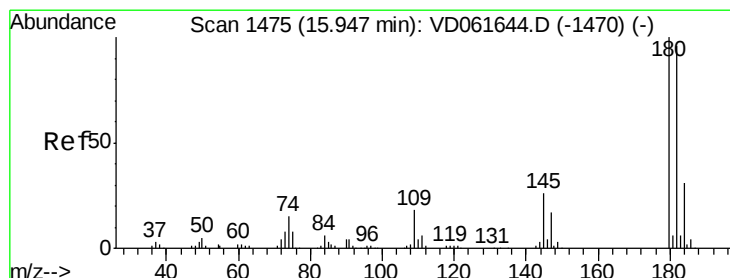
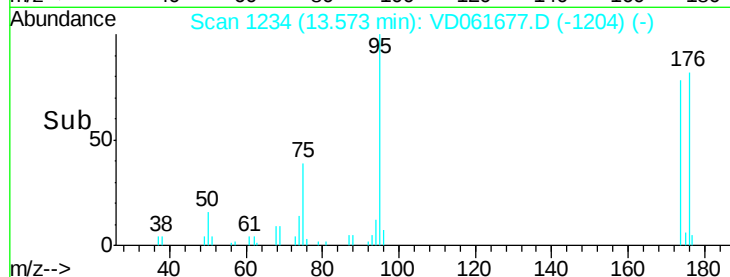
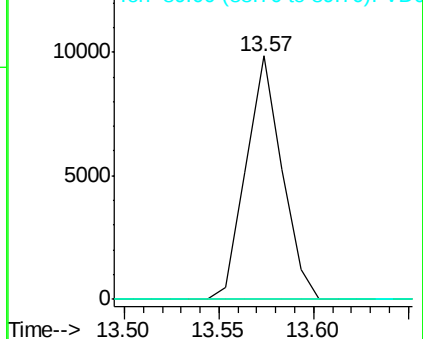
89 0.0 34.2 51.2#



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



#93

1,2,4-Trichlorobenzene

Concen: 1.256 ug/l

RT: 15.97 min Scan# 1477

Delta R.T. 0.02 min

Lab File: VD061677.D

Acq: 9 Apr 2019 16:20

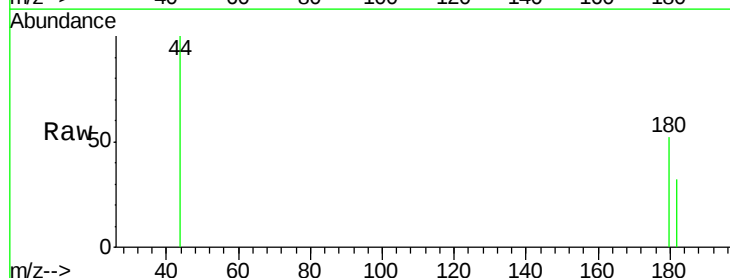
Tgt Ion:180 Resp: 507

Ion Ratio Lower Upper

180 100

182 61.8 47.8 143.3

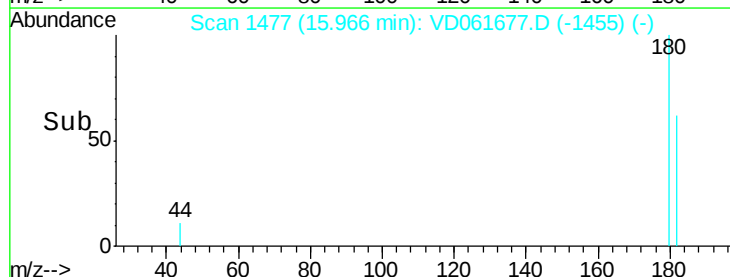
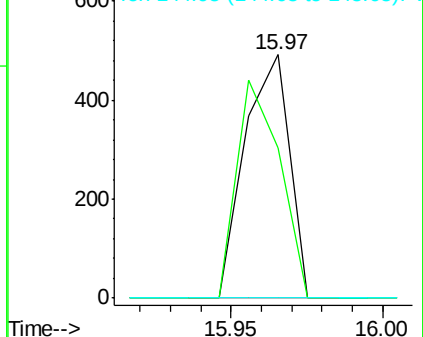
145 0.0 13.3 39.8#

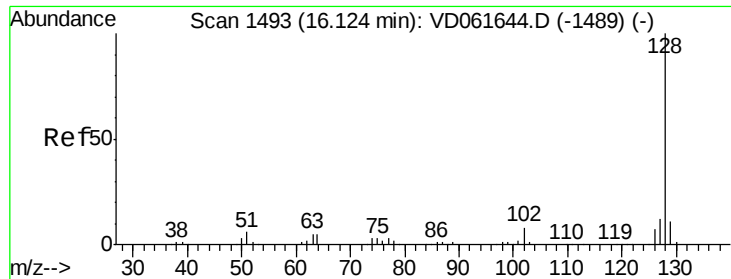


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95
 Naphthalene
 Concen: 1.359 ug/l
 RT: 16.14 min Scan# 1495
 Delta R.T. 0.02 min
 Lab File: VD061677.D
 Acq: 9 Apr 2019 16:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:128 Resp: 868
 Ion Ratio Lower Upper
 128 100
 127 44.1 9.4 14.2#
 129 0.0 8.8 13.2#

