

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040519\
 Data File : VD061623.D
 Acq On : 5 Apr 2019 16:17
 Operator : VA/AP
 Sample : K2257-09RE
 Misc : 3.83g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 06 00:27:16 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

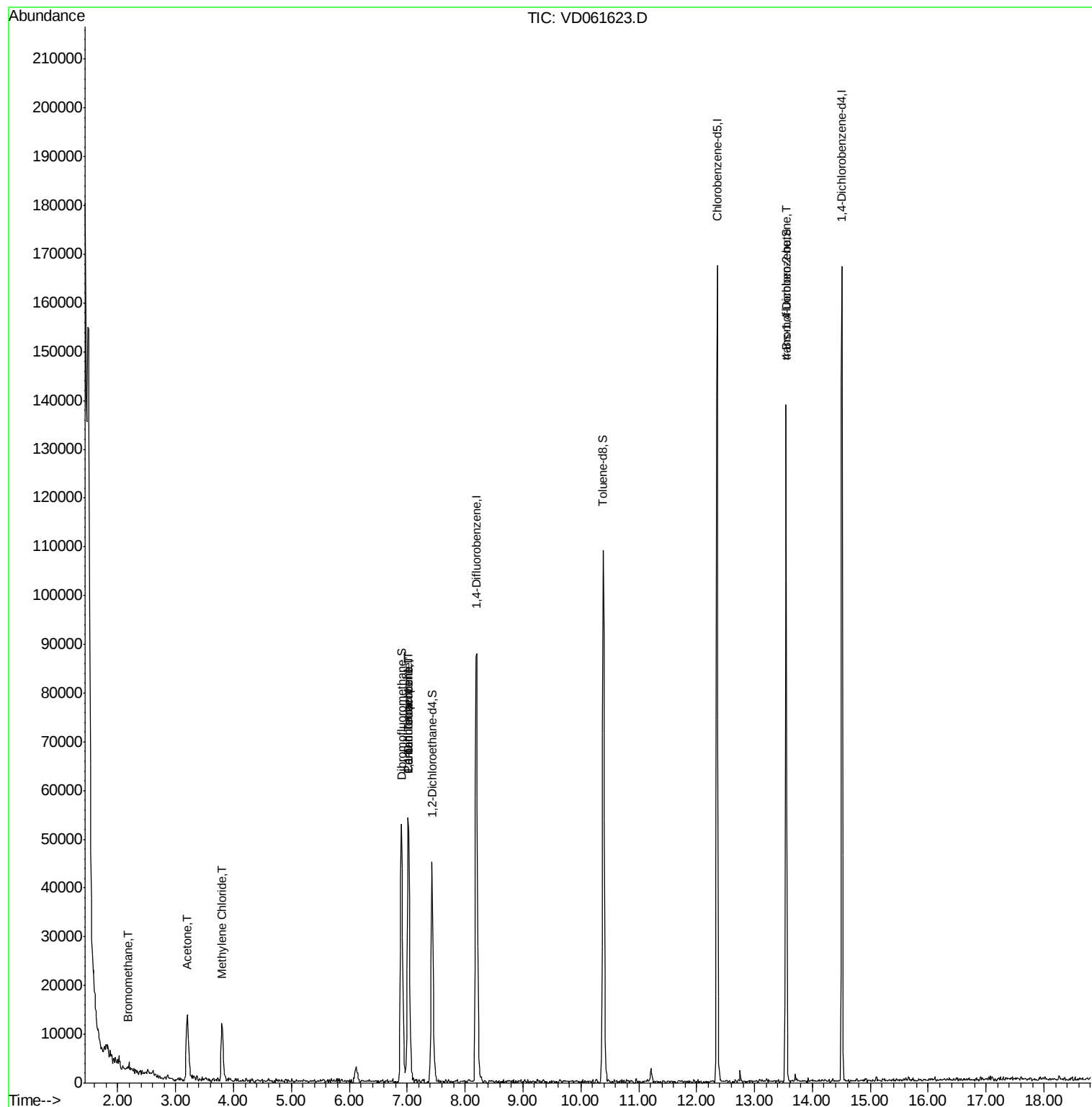
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	59836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	112182	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.35	117	105511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	42877	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	44769	87.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.18%	
35) Dibromofluoromethane	6.90	113	50197	58.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.10%	
50) Toluene-d8	10.38	98	96345	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
62) 4-Bromofluorobenzene	13.54	95	44999	57.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.14%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.17	94	191	2.013	ug/l #	10
16) Acetone	3.20	43	28805	219.220	ug/l	95
20) Methylene Chloride	3.80	84	9453	11.358	ug/l	93
36) 1,1-Dichloropropene	7.02	75	3704	3.783	ug/l #	38
38) Carbon Tetrachloride	7.03	117	5196	4.618	ug/l #	10
81) trans-1,4-Dichloro-2-buten	13.54	75	16263	86.118	ug/l #	18

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

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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: 7.02 min Scan# 568

Delta R.T. 0.00 min

Lab File: VD061623.D

Acq: 5 Apr 2019 16:17

Instrument :

MSVOA_D

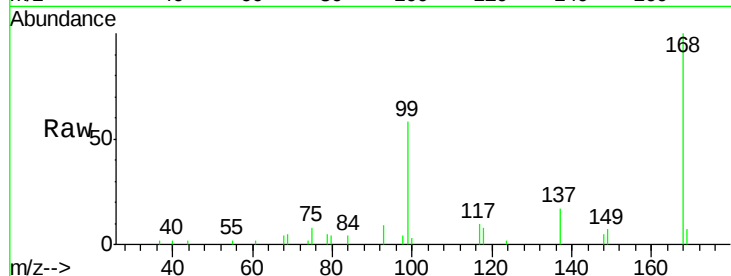
ClientSampleId :

Tot Ion:168 Resp: 59836

Ion Ratio Lower Upper

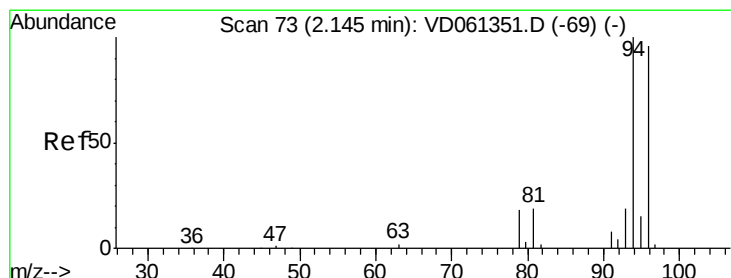
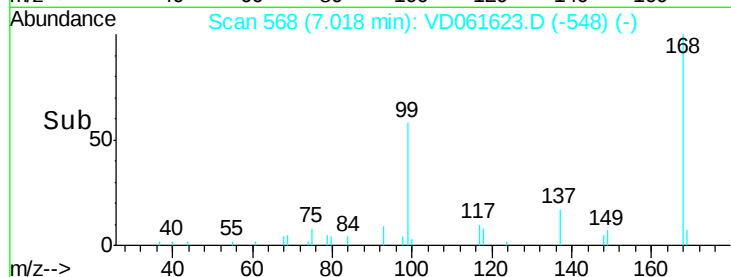
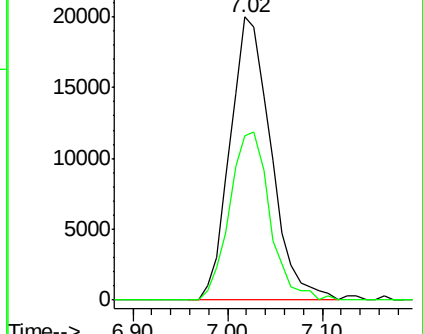
168 100

99 57.9 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: 2.013 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD061623.D

Acq: 5 Apr 2019 16:17

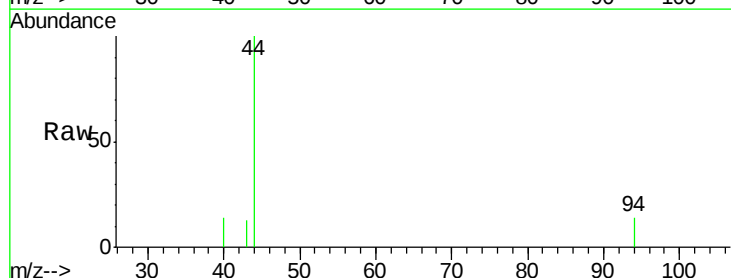
Tgt Ion: 94 Resp: 191

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

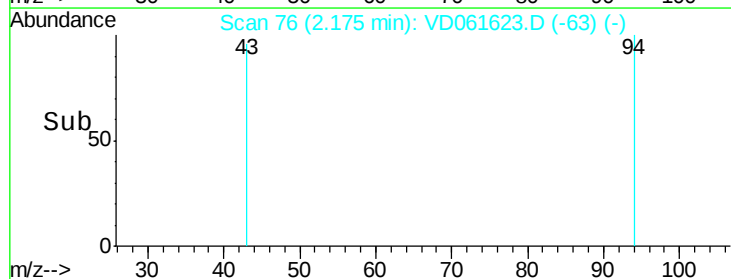
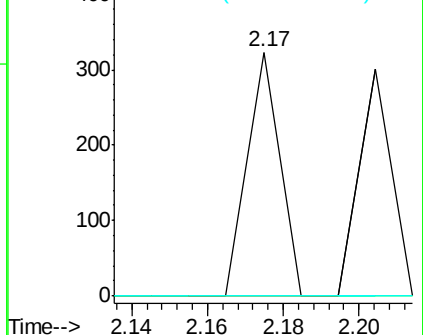
93 0.0 15.6 23.4#



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: 219.220 ug/l

RT: 3.20 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD061623.D

Acq: 5 Apr 2019 16:17

Instrument :

MSVOA_D

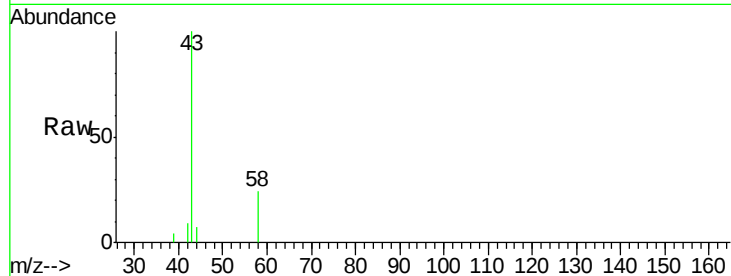
ClientSampled :

Tot Ion: 43 Resp: 28805

Ion Ratio Lower Upper

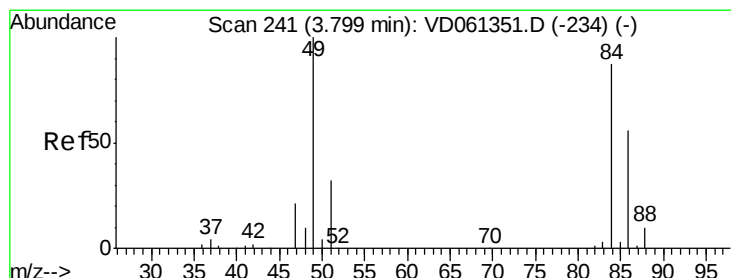
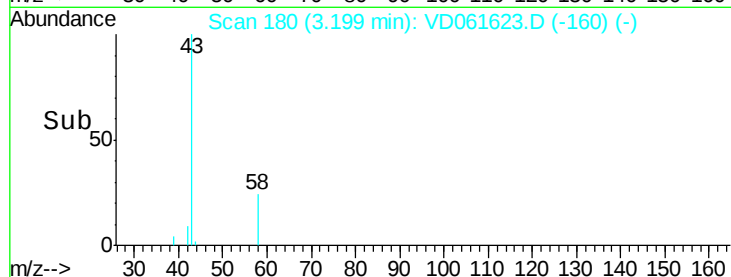
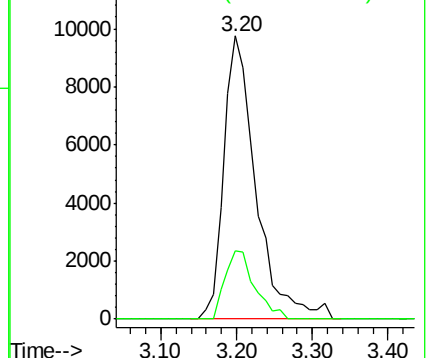
43 100

58 24.2 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 11.358 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD061623.D

Acq: 5 Apr 2019 16:17

Tgt Ion: 84 Resp: 9453

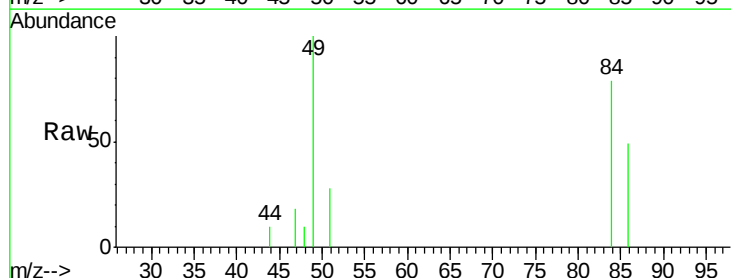
Ion Ratio Lower Upper

84 100

49 127.2 91.8 137.8

51 35.5 29.8 44.8

86 62.7 51.8 77.6

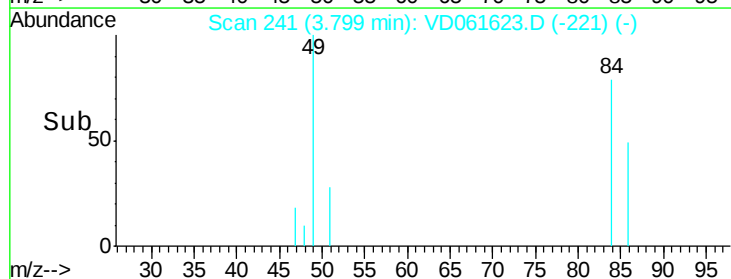
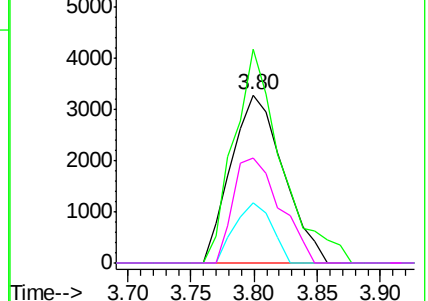


Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD061623.D

Acq: 5 Apr 2019 16:17

Instrument :

MSVOA_D

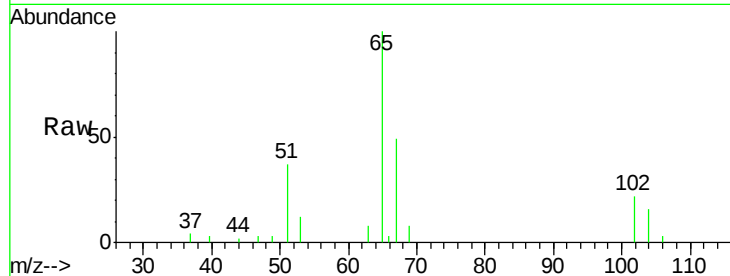
ClientSampleId :

Tot Ion: 65 Resp: 44769

Ion Ratio Lower Upper

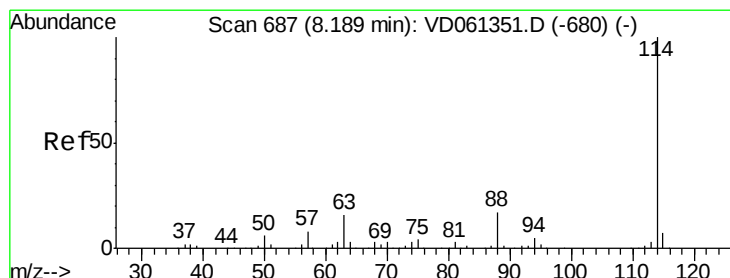
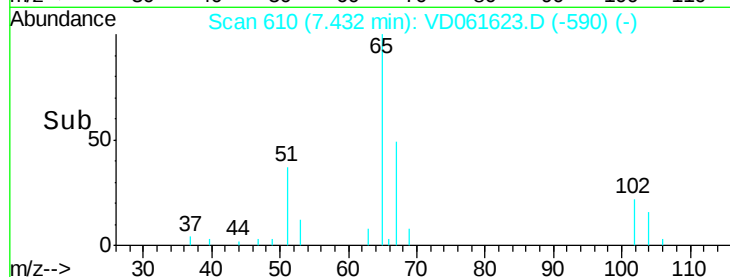
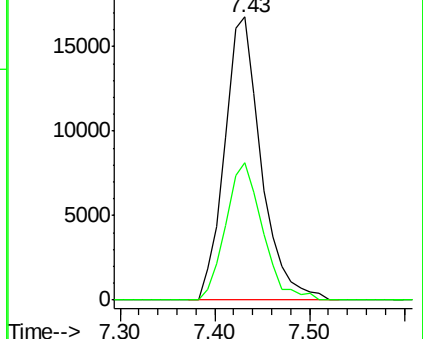
65 100

67 48.5 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. 0.01 min

Lab File: VD061623.D

Acq: 5 Apr 2019 16:17

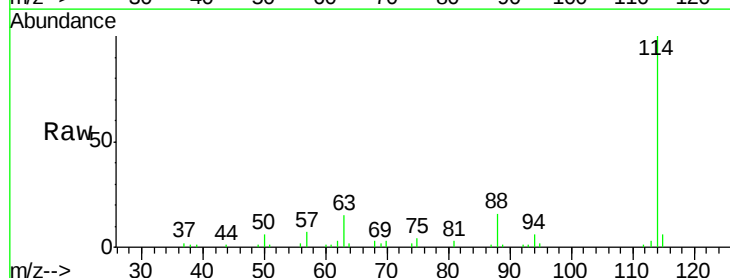
Tgt Ion: 114 Resp: 112182

Ion Ratio Lower Upper

114 100

63 15.1 0.0 31.6

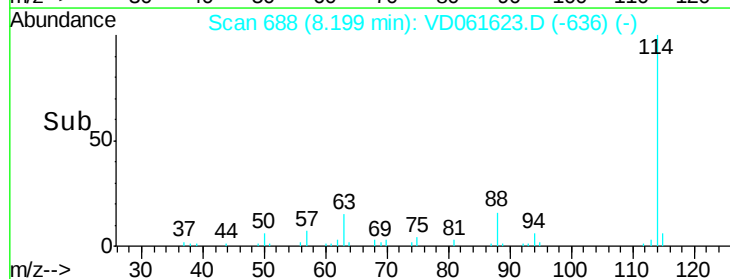
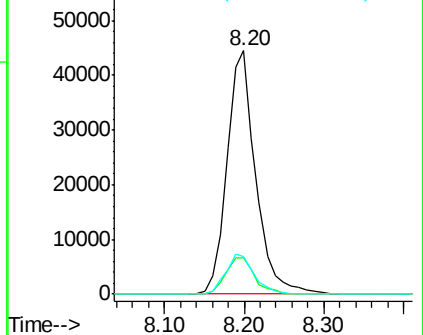
88 15.6 0.0 33.4

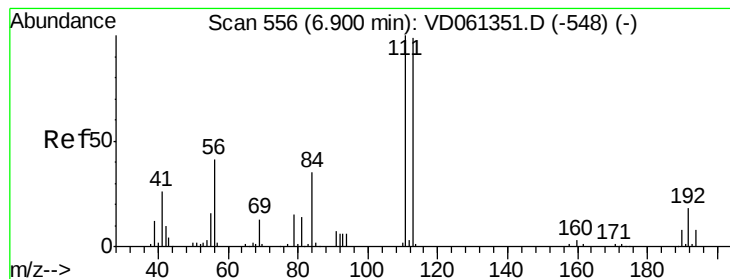


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.00 min

Lab File: VD061623.D

Acq: 5 Apr 2019 16:17

Instrument :

MSVOA_D

ClientSampleId :

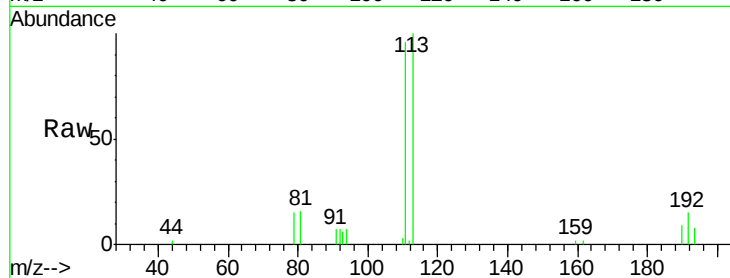
Tot Ion:113 Resp: 50197

Ion Ratio Lower Upper

113 100

111 95.6 81.0 121.6

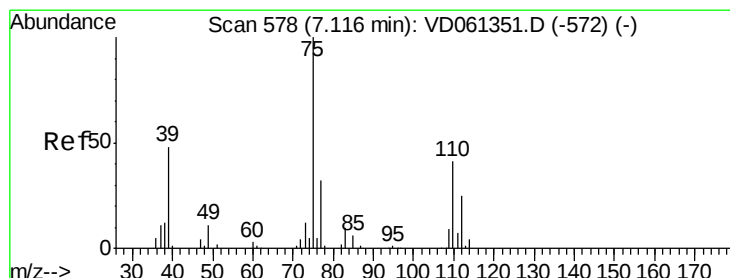
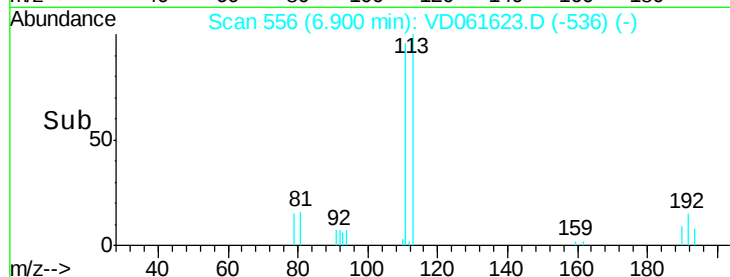
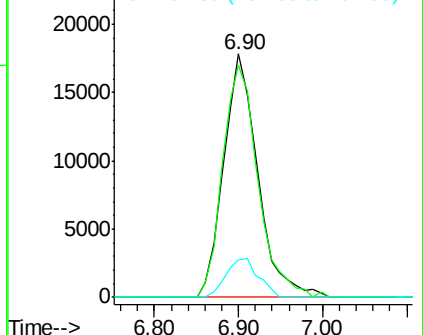
192 15.4 14.4 21.6



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: 3.783 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD061623.D

Acq: 5 Apr 2019 16:17

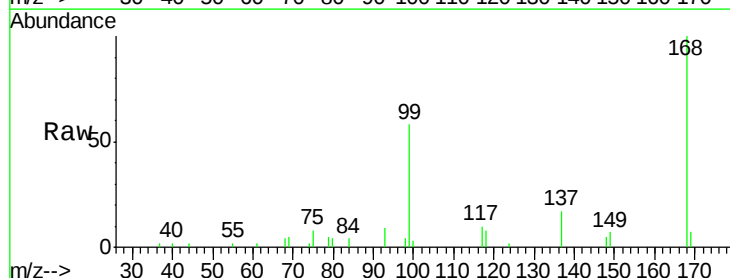
Tgt Ion: 75 Resp: 3704

Ion Ratio Lower Upper

75 100

110 0.0 20.4 61.3#

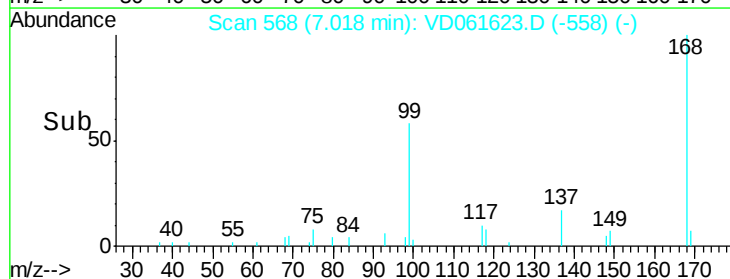
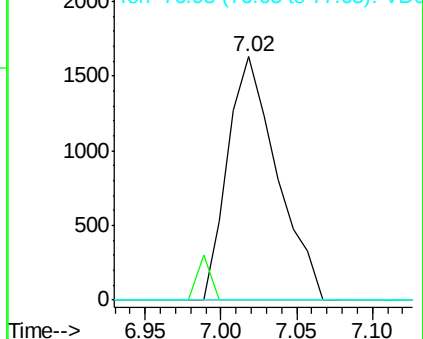
77 0.0 24.9 37.3#

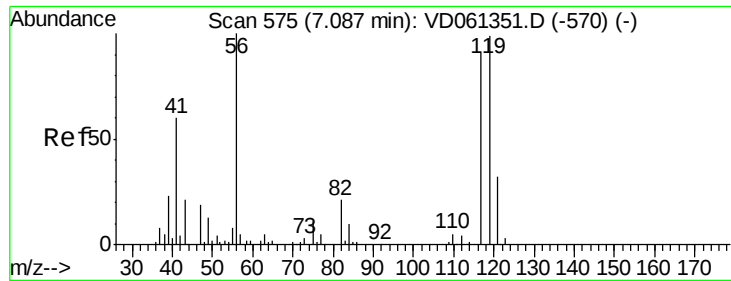


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 4.618 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.06 min

Lab File: VD061623.D

Acq: 5 Apr 2019 16:17

Instrument :

MSVOA_D

ClientSampleId :

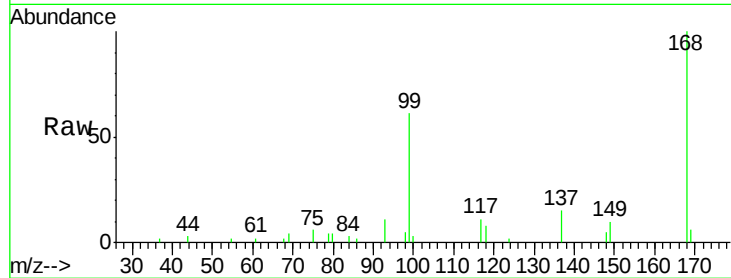
Tot Ion:117 Resp: 5196

Ion Ratio Lower Upper

117 100

119 0.0 80.1 120.1#

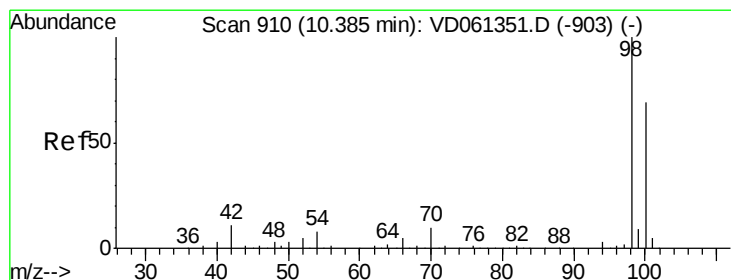
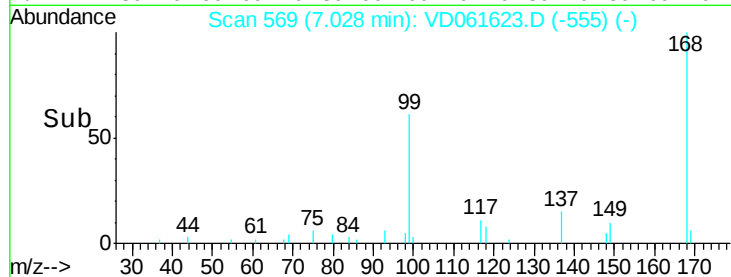
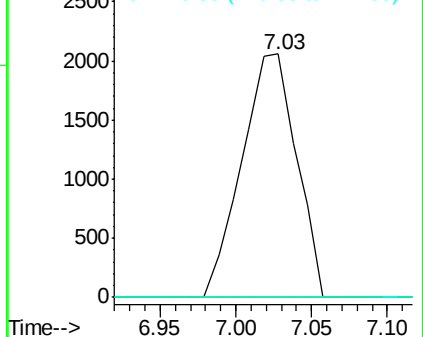
121 0.0 25.6 38.4#



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: 10.38 min Scan# 910

Delta R.T. 0.00 min

Lab File: VD061623.D

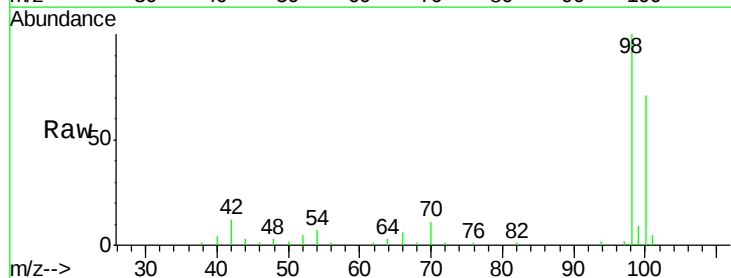
Acq: 5 Apr 2019 16:17

Tgt Ion: 98 Resp: 96345

Ion Ratio Lower Upper

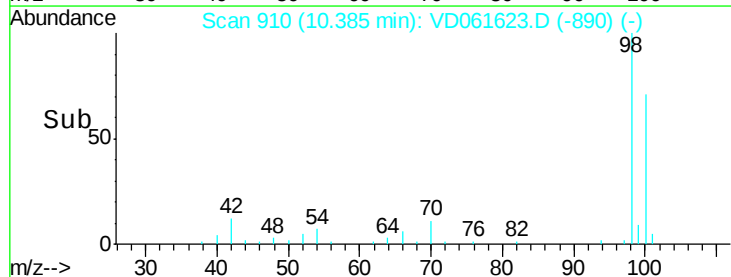
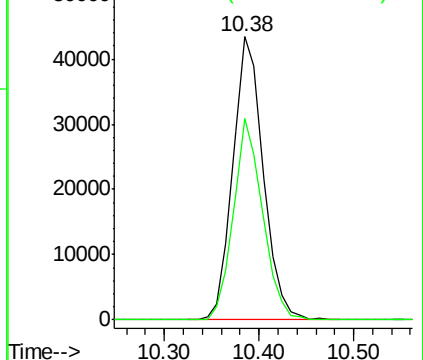
98 100

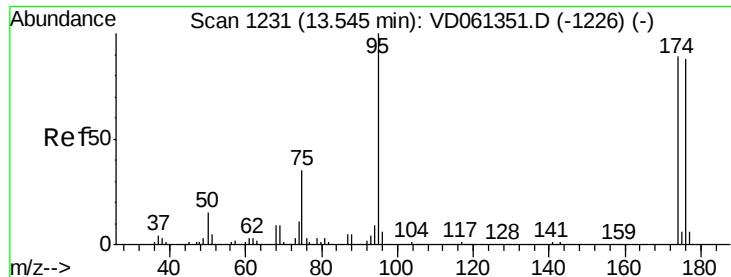
100 71.1 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VD061623.D

Acq: 5 Apr 2019 16:17

Instrument :

MSVOA_D

ClientSampleId :

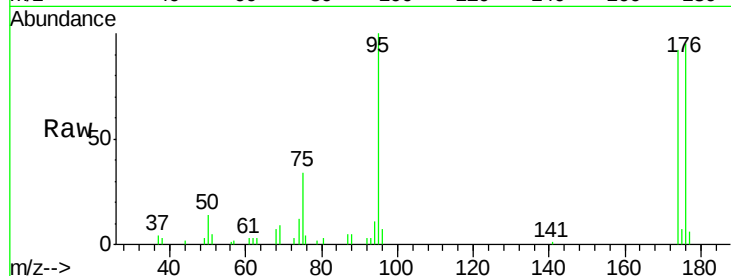
Tot Ion: 95 Resp: 44999

Ion Ratio Lower Upper

95 100

174 92.3 0.0 178.0

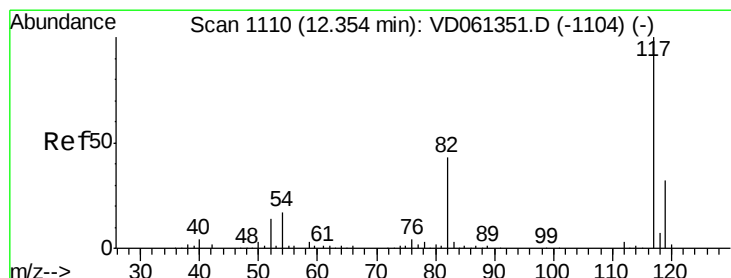
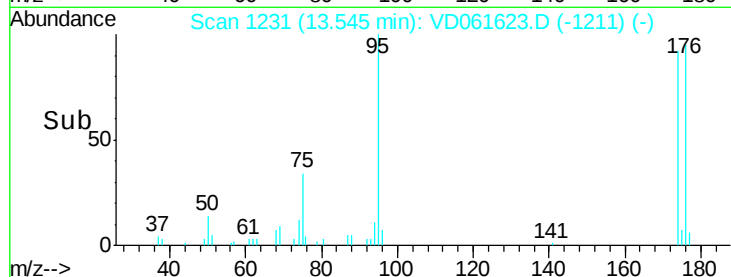
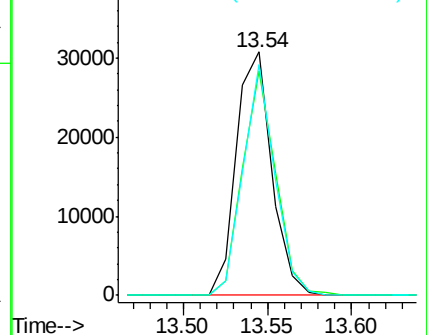
176 94.6 0.0 175.0



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: 12.35 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD061623.D

Acq: 5 Apr 2019 16:17

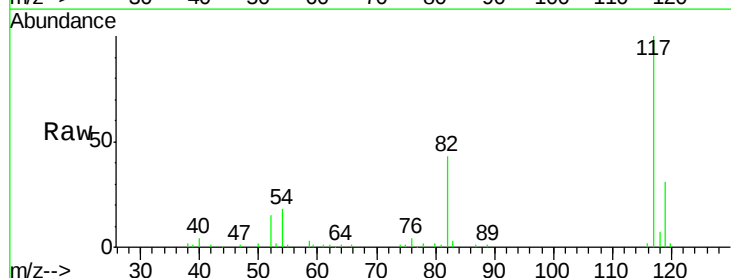
Tgt Ion: 117 Resp: 105511

Ion Ratio Lower Upper

117 100

82 43.3 34.4 51.6

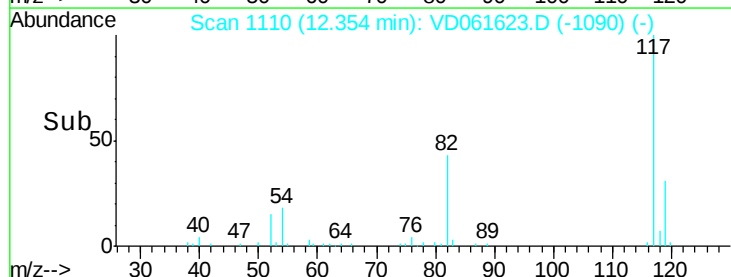
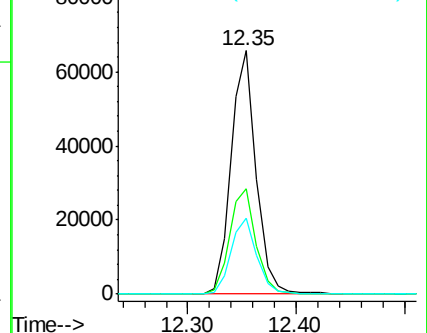
119 31.4 25.8 38.6

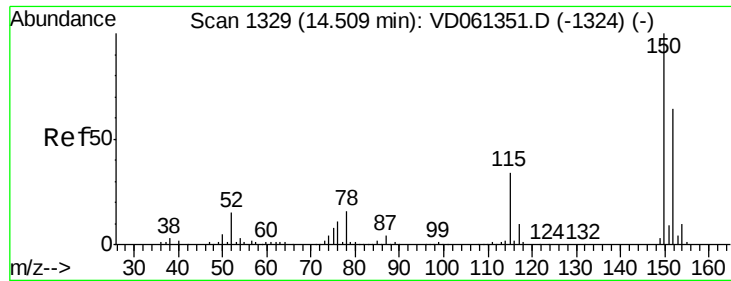


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1329

Delta R.T. 0.00 min

Lab File: VD061623.D

Acq: 5 Apr 2019 16:17

Instrument :

MSVOA_D

ClientSampleId :

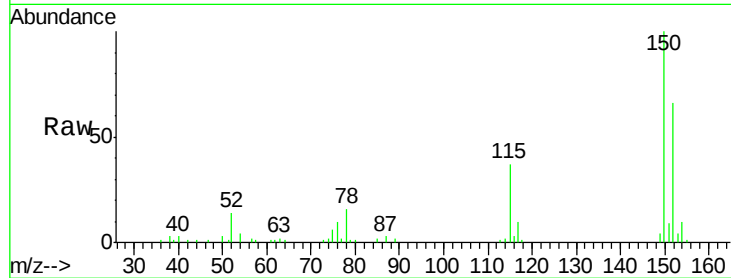
Tot Ion:152 Resp: 42877

Ion Ratio Lower Upper

152 100

115 55.9 26.9 80.6

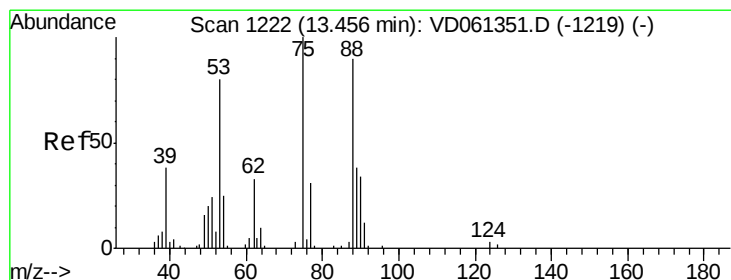
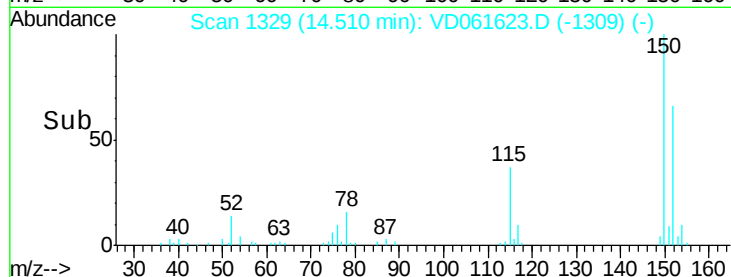
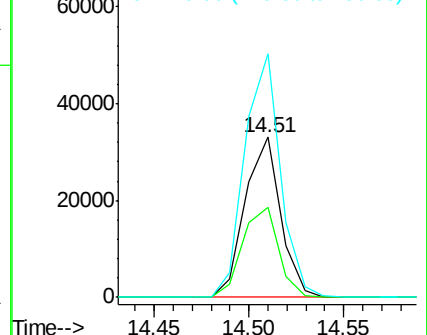
150 151.9 0.0 318.0



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: 86.118 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.09 min

Lab File: VD061623.D

Acq: 5 Apr 2019 16:17

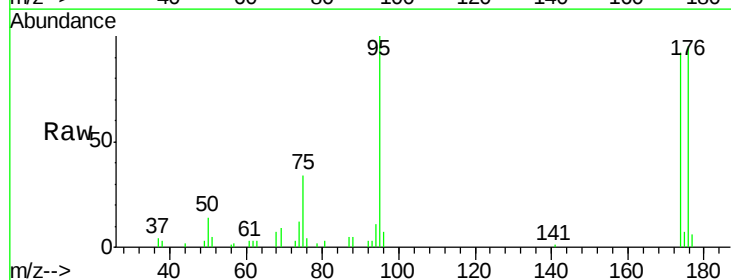
Tgt Ion: 75 Resp: 16263

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

