

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012819\
 Data File : VX007265.D
 Acq On : 28 Jan 2019 17:18
 Operator : JC/SP
 Sample : K1230-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Jan 29 00:19:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	532069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	806653	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	773416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	378239	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	283868	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
35) Dibromofluoromethane	5.51	113	254531	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	8.71	98	977744	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.13	95	347084	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	

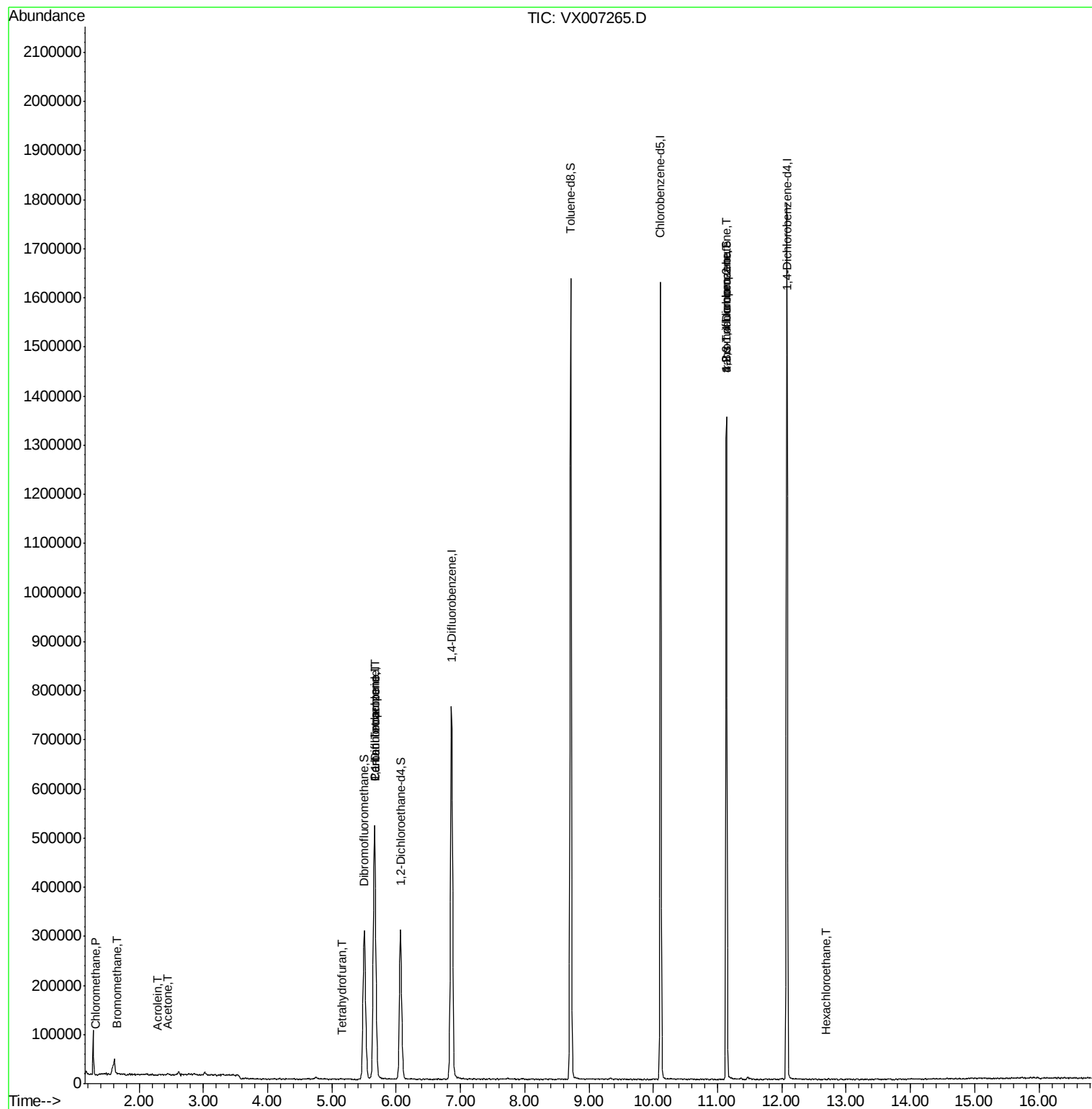
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1212	0.238	ug/l #	77
5) Bromomethane	1.65	94	1236	0.211	ug/l #	58
13) Acrolein	2.28	56	165	3.372	ug/l #	1
16) Acetone	2.45	43	2851	1.037	ug/l #	74
20) Methylene Chloride	2.86	84	2183	Below Cal	#	78
29) Tetrahydrofuran	5.15	42	563	0.220	ug/l #	60
36) 1,1-Dichloropropene	5.66	75	33731	4.810	ug/l #	50
38) Carbon Tetrachloride	5.66	117	47062	6.670	ug/l #	17
49) 1,4-Dioxane	7.73	88	149	Below Cal	#	71
76) 1,2,3-Trichloropropane	11.13	75	166264	21.692	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	166264	64.293	ug/l #	10
90) Hexachloroethane	12.69	117	44	2.919	ug/l #	6

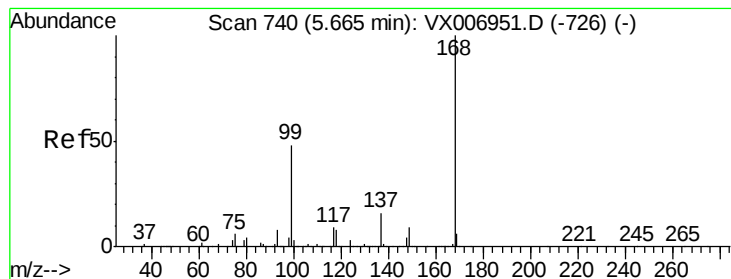
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007265.D

Acq: 28 Jan 2019 17:18

Instrument :

MSVOA_X

ClientSampled :

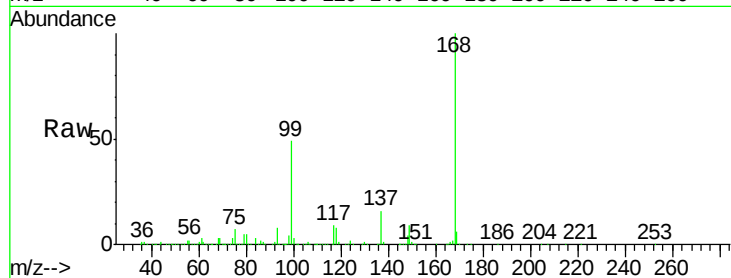
TB

Tot Ion:168 Resp: 532069

Ion Ratio Lower Upper

168 100

99 49.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

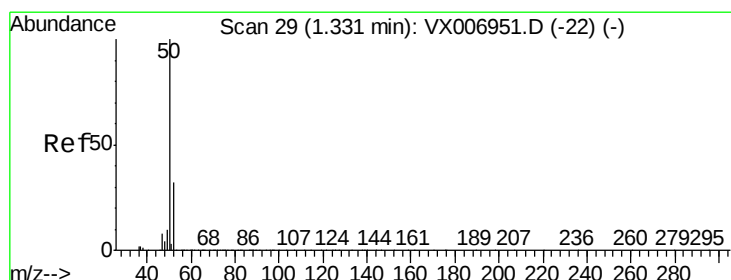
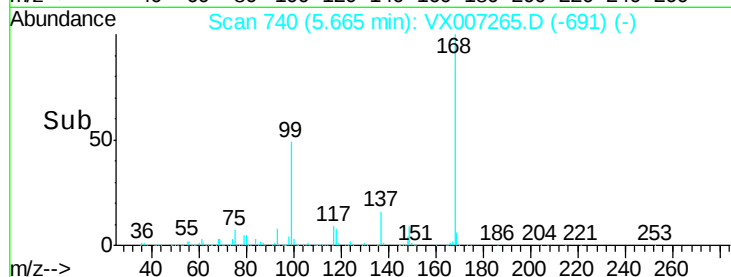
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.238 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007265.D

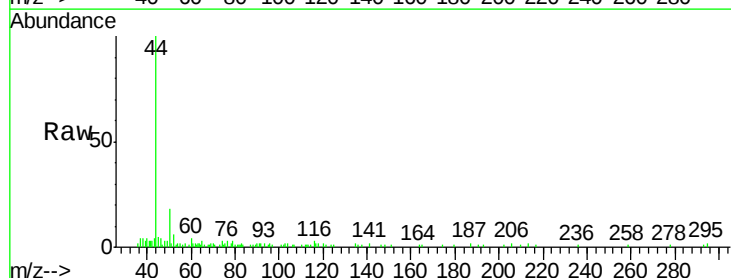
Acq: 28 Jan 2019 17:18

Tgt Ion: 50 Resp: 1212

Ion Ratio Lower Upper

50 100

52 18.9 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

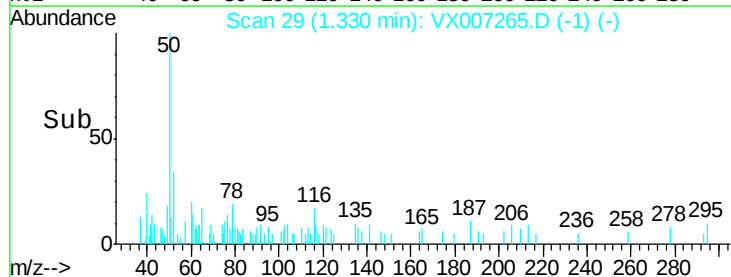
1.33

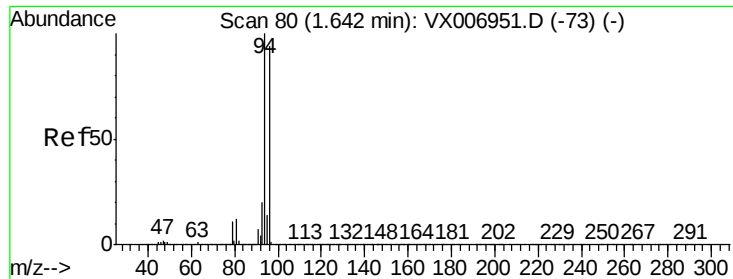
1000

500

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.211 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007265.D

Acq: 28 Jan 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

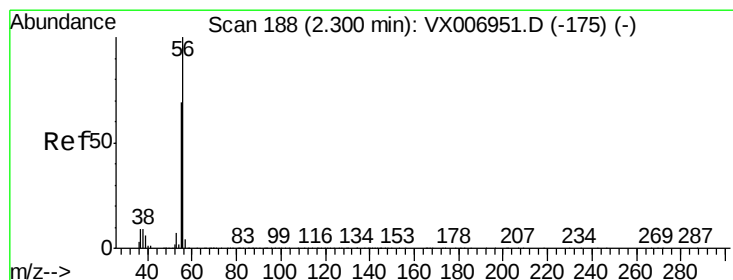
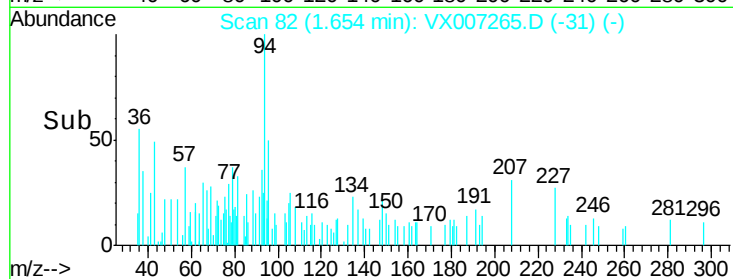
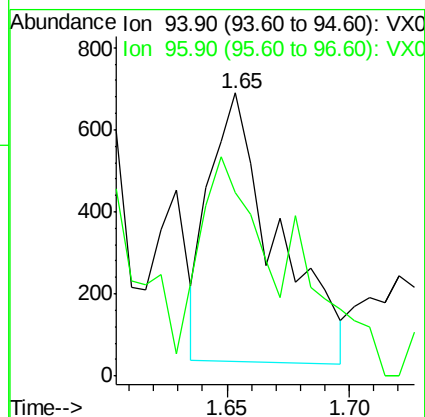
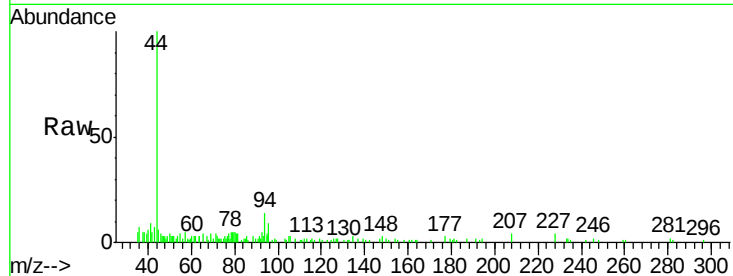
TB

Tot Ion: 94 Resp: 1236

Ion Ratio Lower Upper

94 100

96 51.4 73.4 110.2#



#13

Acrolein

Concen: 3.372 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.02 min

Lab File: VX007265.D

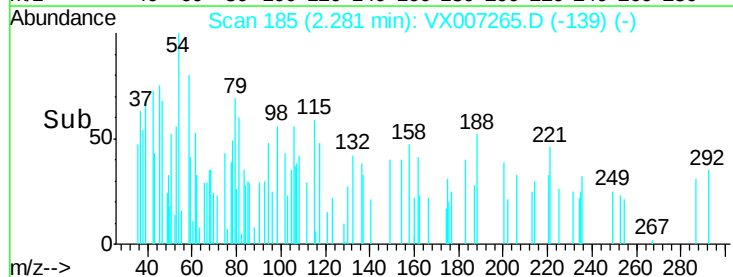
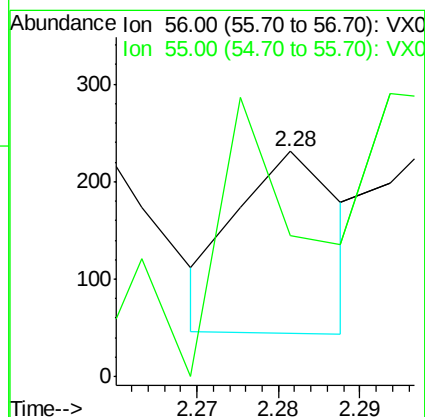
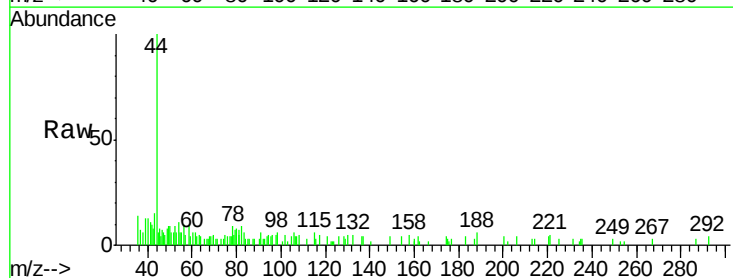
Acq: 28 Jan 2019 17:18

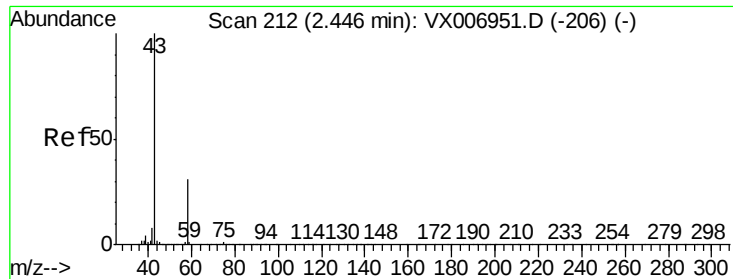
Tgt Ion: 56 Resp: 165

Ion Ratio Lower Upper

56 100

55 327.9 58.2 87.4#

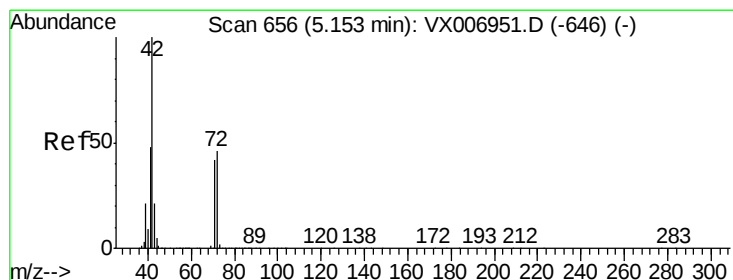
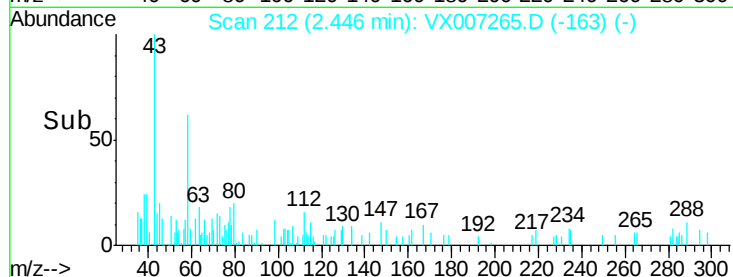
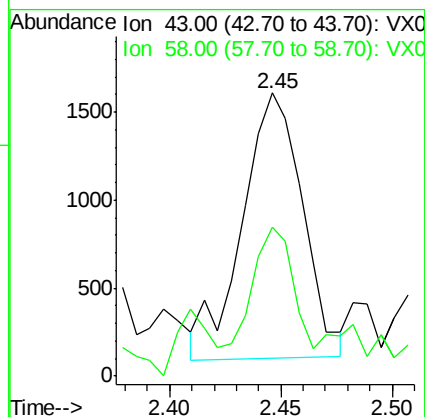
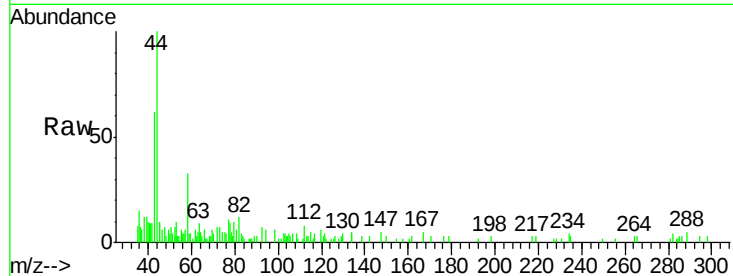




#16
Acetone
Concen: 1.037 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007265.D
Acq: 28 Jan 2019 17:18

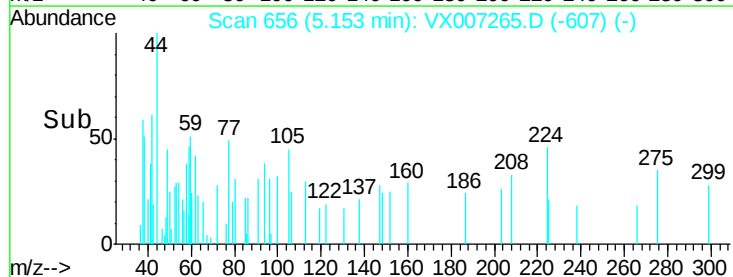
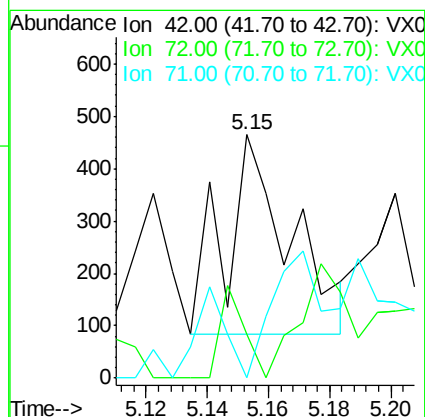
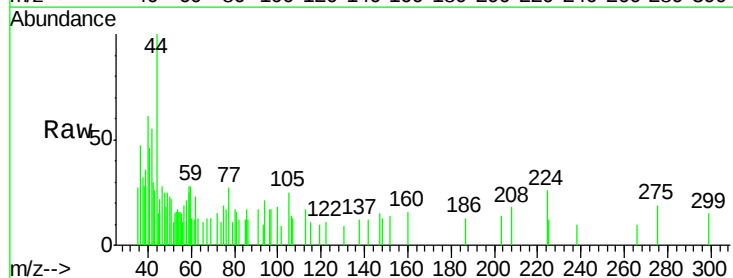
Instrument :
MSVOA_X
ClientSampled :
TB

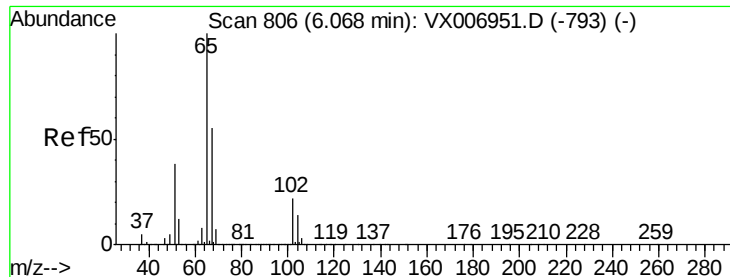
Tot Ion: 43 Resp: 2851
Ion Ratio Lower Upper
43 100
58 45.4 25.0 37.6#



#29
Tetrahydrofuran
Concen: 0.220 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007265.D
Acq: 28 Jan 2019 17:18

Tgt Ion: 42 Resp: 563
Ion Ratio Lower Upper
42 100
72 16.9 38.9 58.3#
71 24.0 36.2 54.4#





#33

1,2-Dichloroethane-d4

Concen: 51.050 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007265.D

Acq: 28 Jan 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

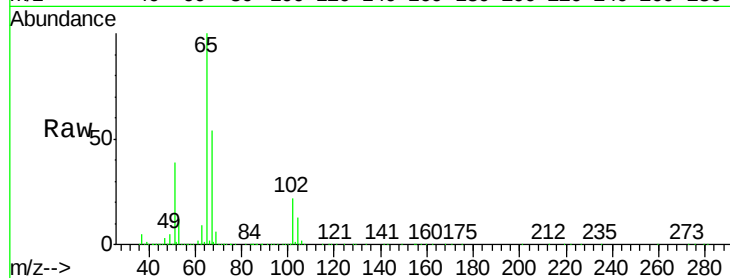
TB

Tot Ion: 65 Resp: 283868

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

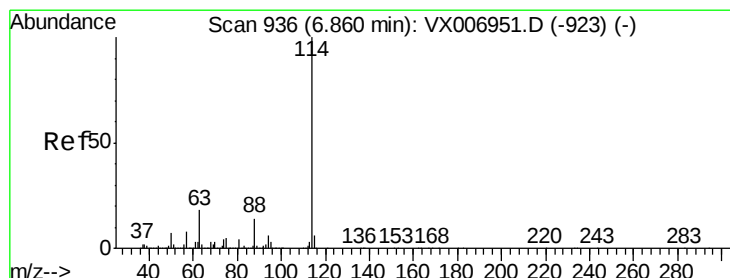
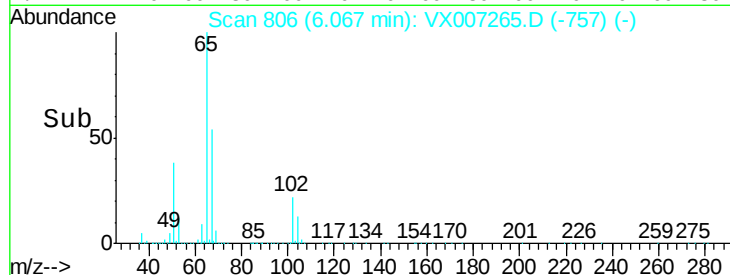
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007265.D

Acq: 28 Jan 2019 17:18

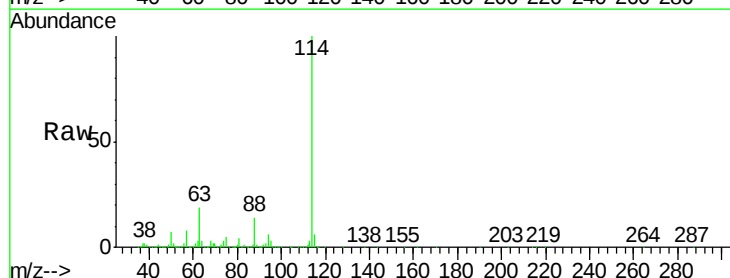
Tgt Ion: 114 Resp: 806653

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

88 14.3 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

400000

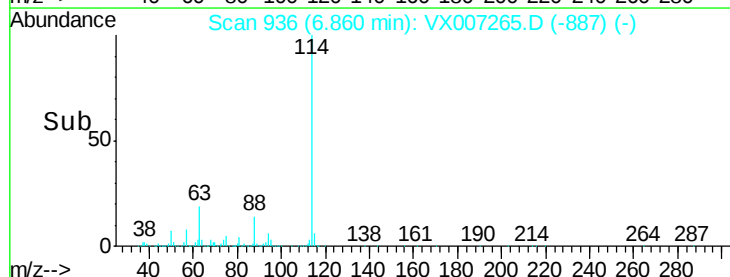
300000

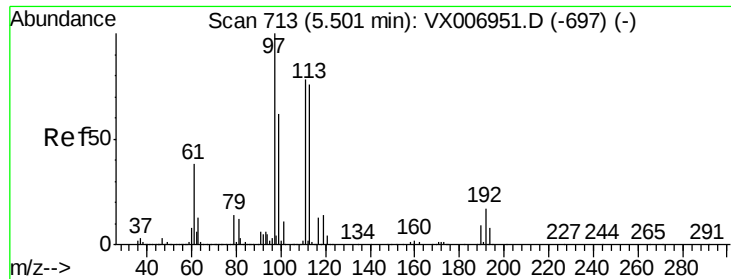
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 49.273 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007265.D

Acq: 28 Jan 2019 17:18

Instrument :
MSVOA_X
ClientSampled :
TB

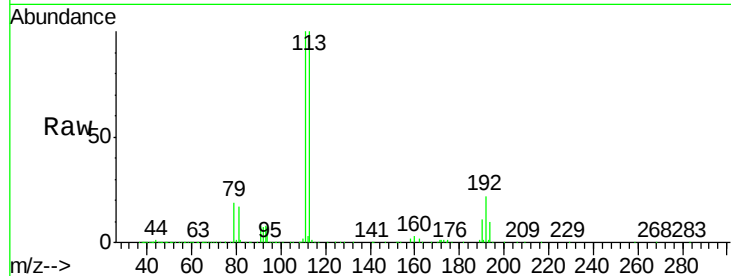
Tot Ion:113 Resp: 254531

Ion Ratio Lower Upper

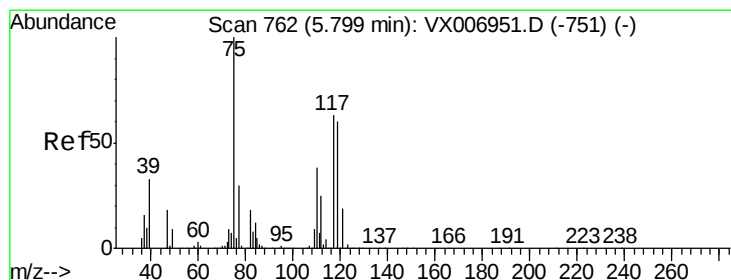
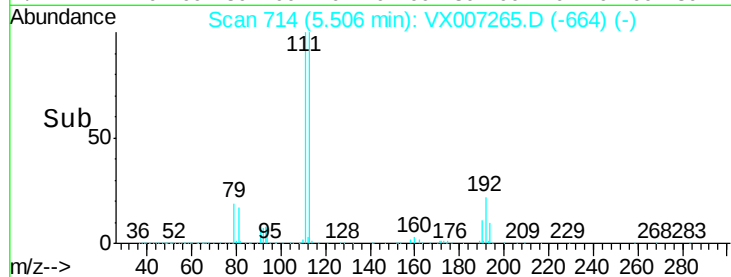
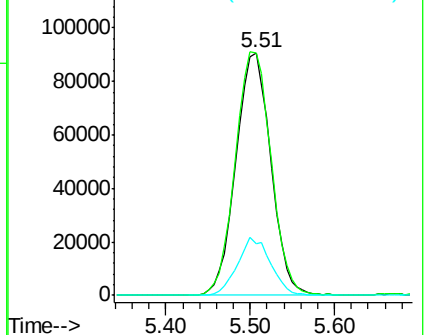
113 100

111 102.9 81.6 122.4

192 22.8 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.810 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007265.D

Acq: 28 Jan 2019 17:18

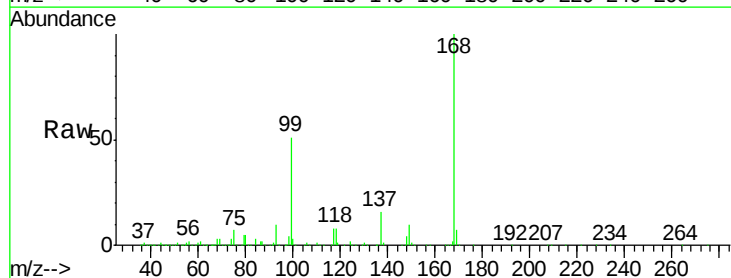
Tgt Ion: 75 Resp: 33731

Ion Ratio Lower Upper

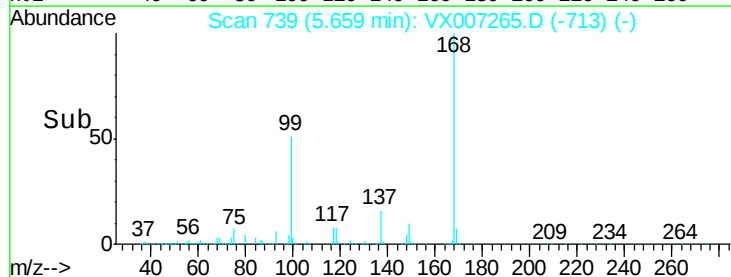
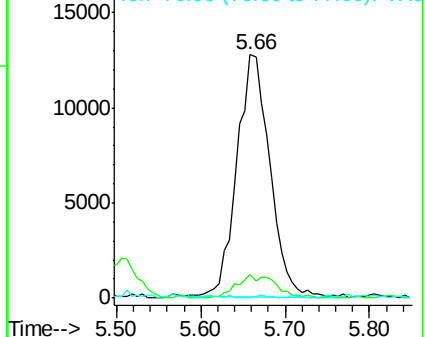
75 100

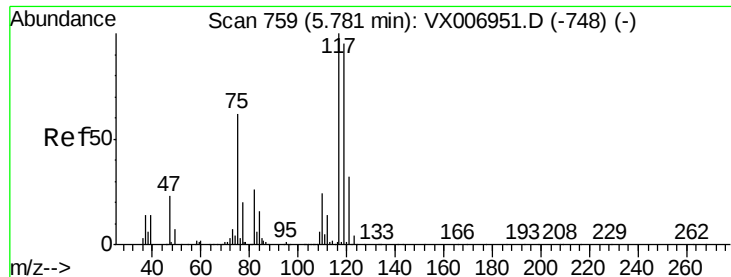
110 11.6 20.2 60.5#

77 0.4 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.670 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007265.D

Acq: 28 Jan 2019 17:18

Instrument :

MSVOA_X

ClientSampled :

TB

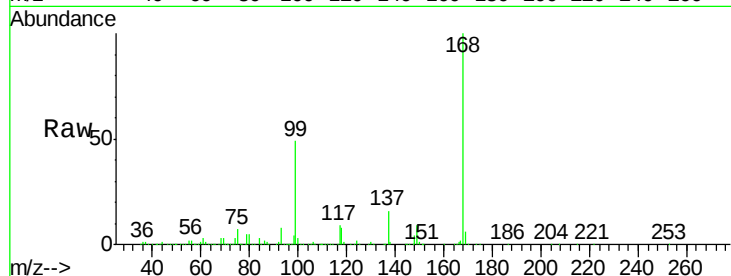
Tot Ion:117 Resp: 47062

Ion Ratio Lower Upper

117 100

119 7.8 79.4 119.2#

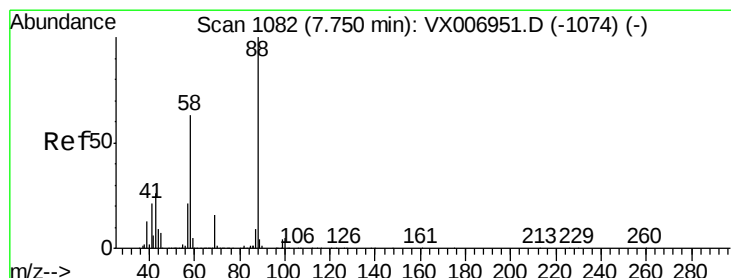
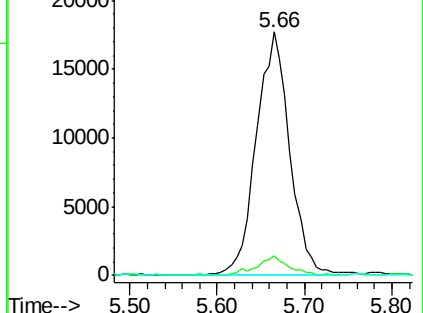
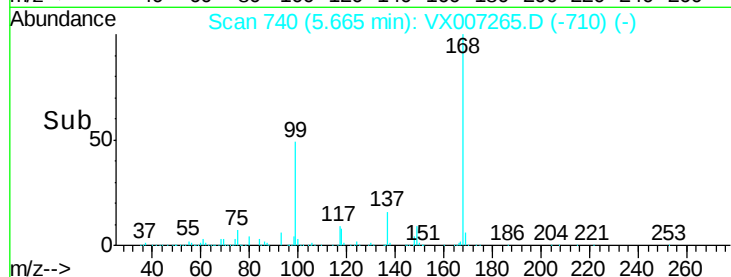
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX007265.D

Acq: 28 Jan 2019 17:18

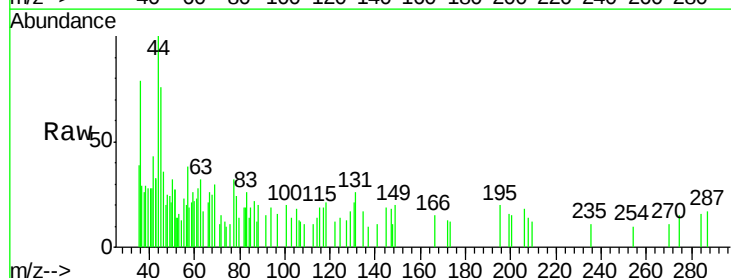
Tgt Ion: 88 Resp: 149

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

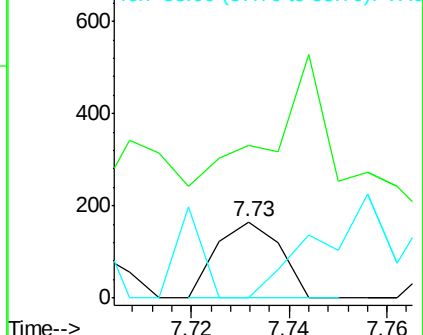
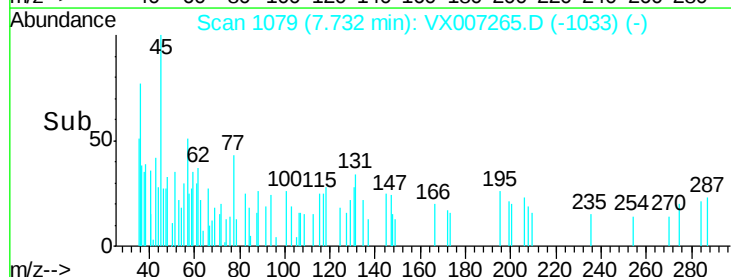
58 49.0 51.0 76.4#

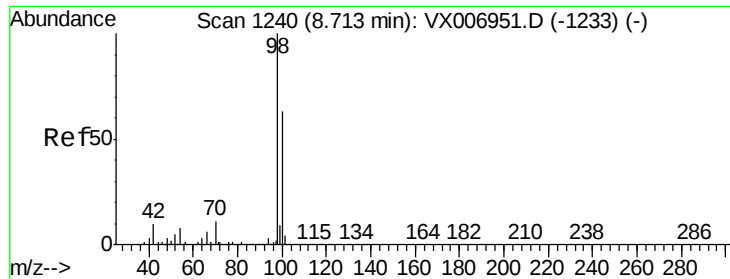


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.710 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007265.D

Acq: 28 Jan 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

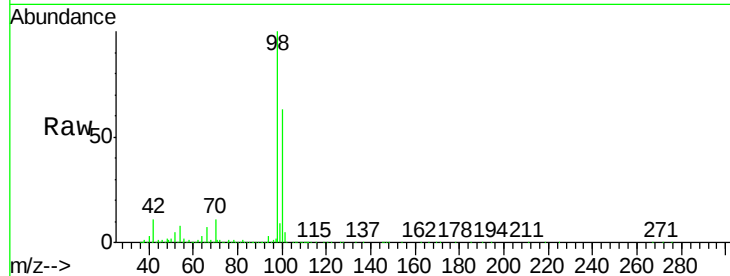
TB

Tot Ion: 98 Resp: 977744

Ion Ratio Lower Upper

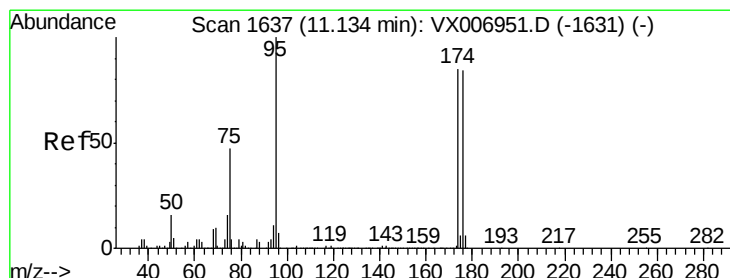
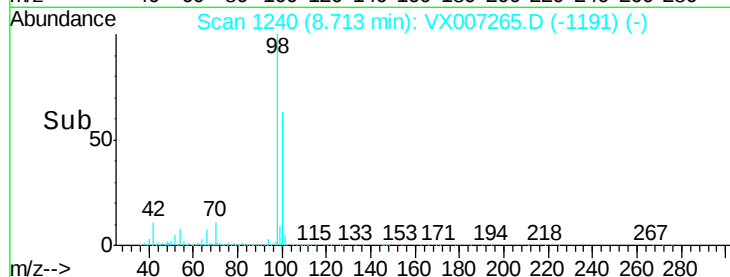
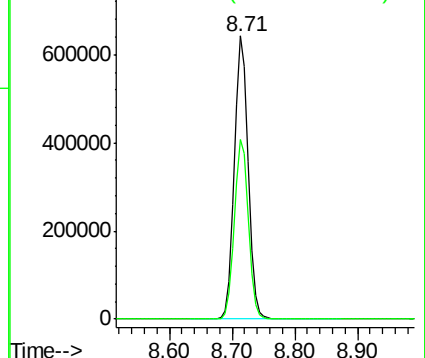
98 100

100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 52.653 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007265.D

Acq: 28 Jan 2019 17:18

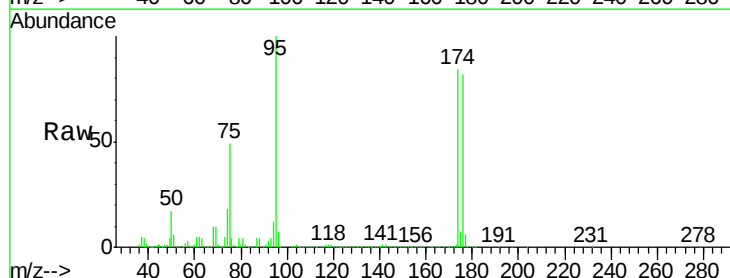
Tgt Ion: 95 Resp: 347084

Ion Ratio Lower Upper

95 100

174 94.0 0.0 182.2

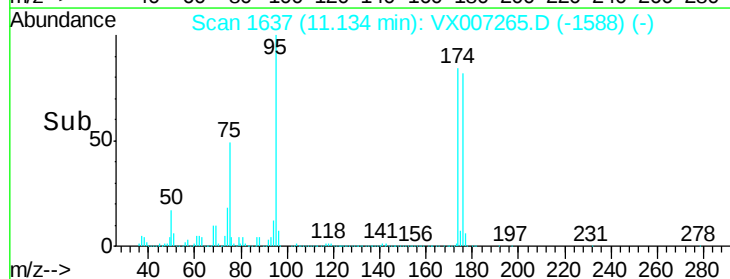
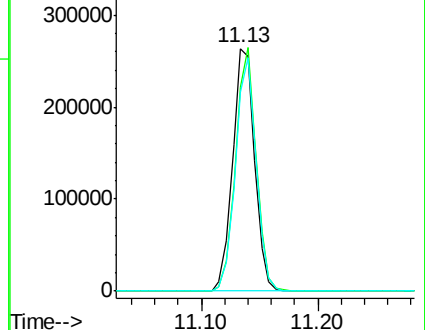
176 91.0 0.0 178.8

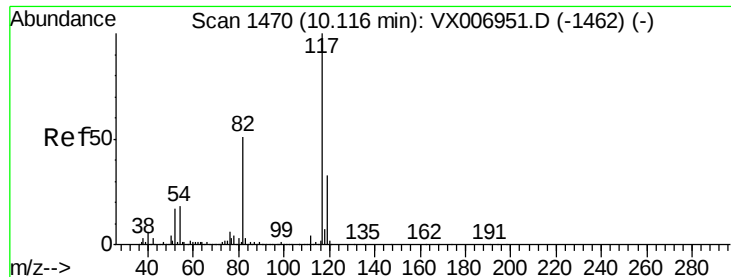


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007265.D

Acq: 28 Jan 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

TB

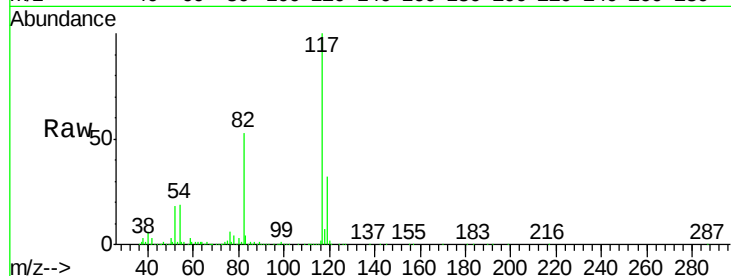
Tot Ion:117 Resp: 773416

Ion Ratio Lower Upper

117 100

82 53.2 41.0 61.6

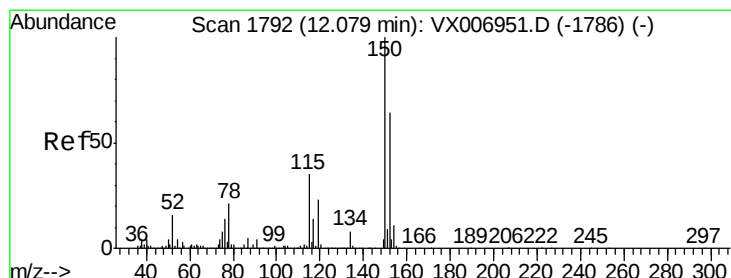
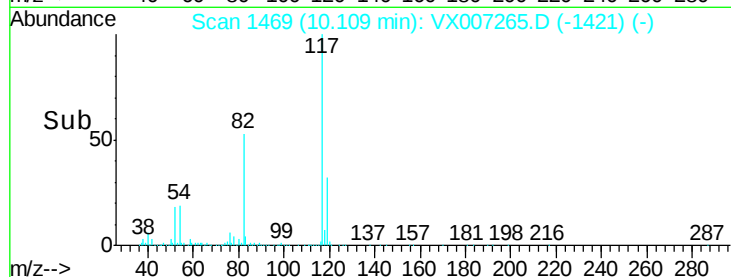
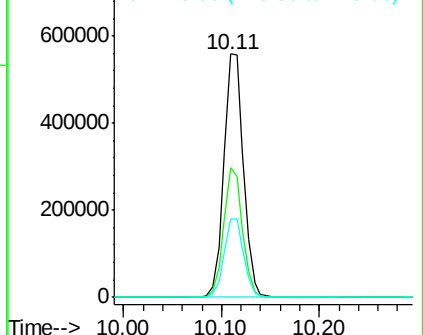
119 32.0 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007265.D

Acq: 28 Jan 2019 17:18

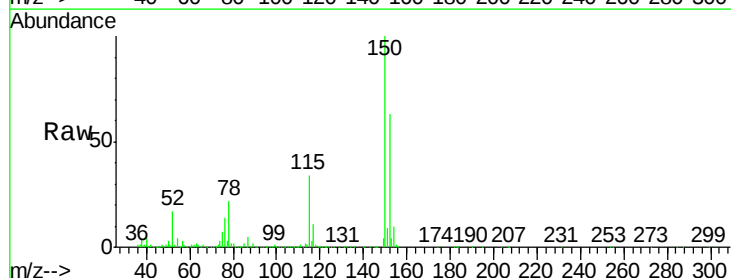
Tgt Ion:152 Resp: 378239

Ion Ratio Lower Upper

152 100

115 54.4 39.1 117.2

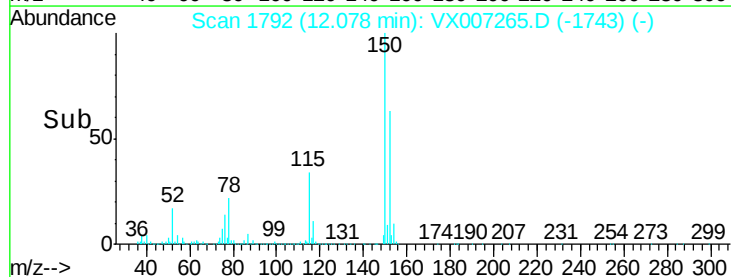
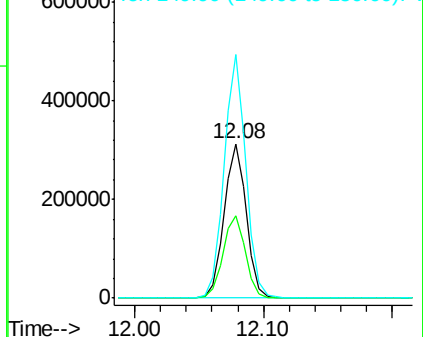
150 154.6 0.0 344.8

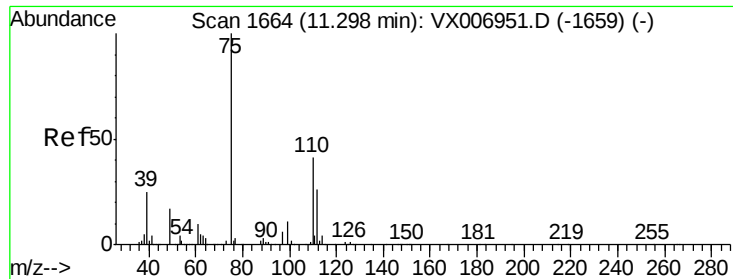


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.692 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007265.D

Acq: 28 Jan 2019 17:18

Instrument :

MSVOA_X

ClientSampled :

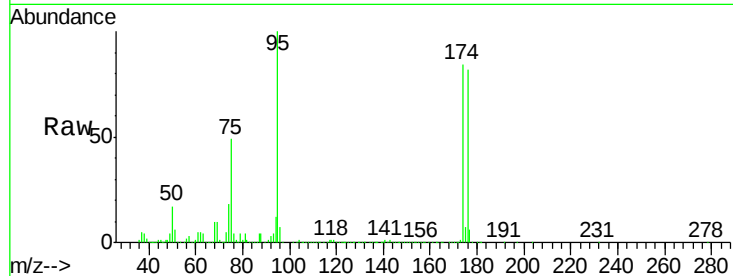
TB

Tot Ion: 75 Resp: 166264

Ion Ratio Lower Upper

75 100

77 1.5 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

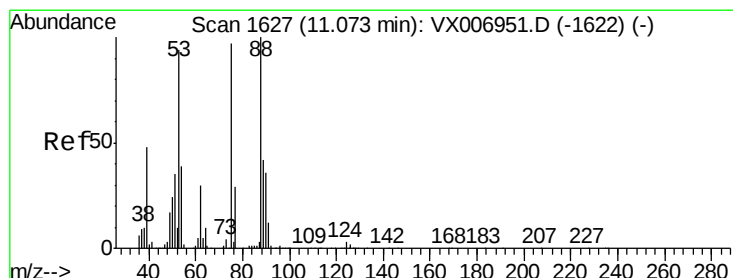
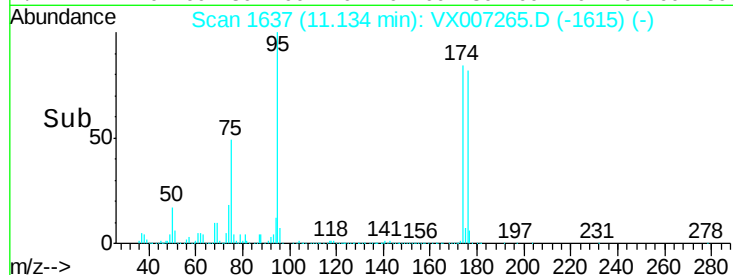
150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 64.293 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007265.D

Acq: 28 Jan 2019 17:18

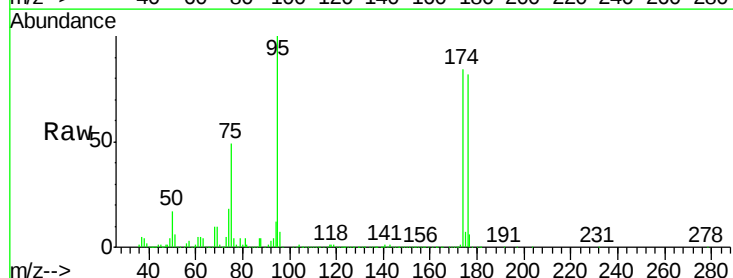
Tgt Ion: 75 Resp: 166264

Ion Ratio Lower Upper

75 100

53 0.3 79.7 119.5#

89 0.3 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.13

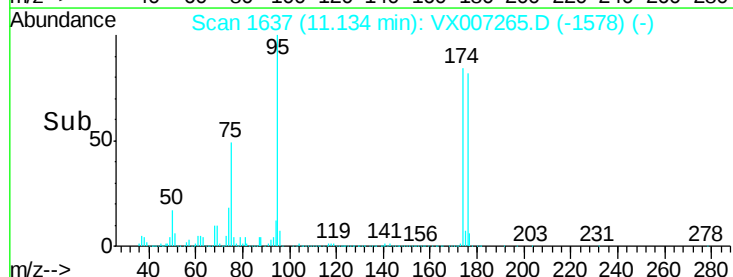
150000

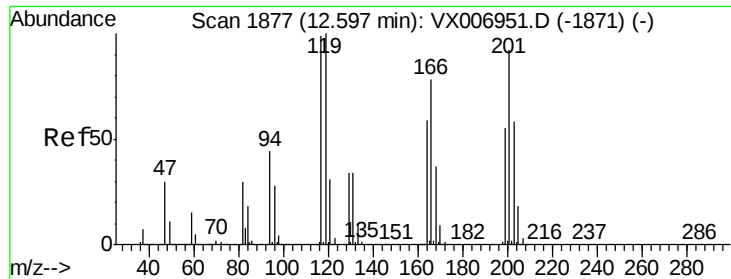
100000

50000

0

Time--> 11.05 11.10 11.15 11.20





#90

Hexachloroethane

Concen: 2.919 ug/l

RT: 12.69 min Scan# 1892

Delta R.T. 0.09 min

Lab File: VX007265.D

Acq: 28 Jan 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

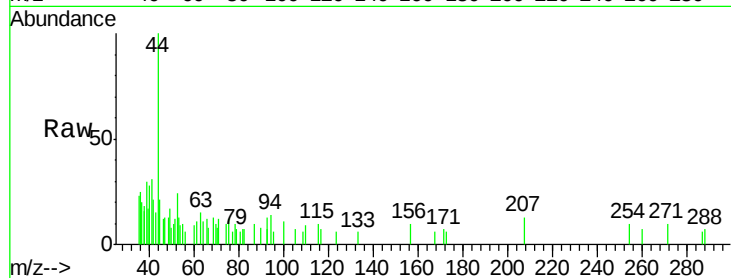
TB

Tot Ion:117 Resp: 44

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

