

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001826.D
 Acq On : 18 May 2018 15:20
 Operator : JC/MD
 Sample : J2853-17DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 02:23:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	267871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	358680	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	279755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	145236	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	156353	43.55	ug/l	0.00
Spiked Amount			Recovery	=	87.10%	
35) Dibromofluoromethane	5.51	113	135706	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	
50) Toluene-d8	8.72	98	491077	45.30	ug/l	0.00
Spiked Amount			Recovery	=	90.60%	
62) 4-Bromofluorobenzene	11.14	95	134533	34.47	ug/l	0.00
Spiked Amount			Recovery	=	68.94%	

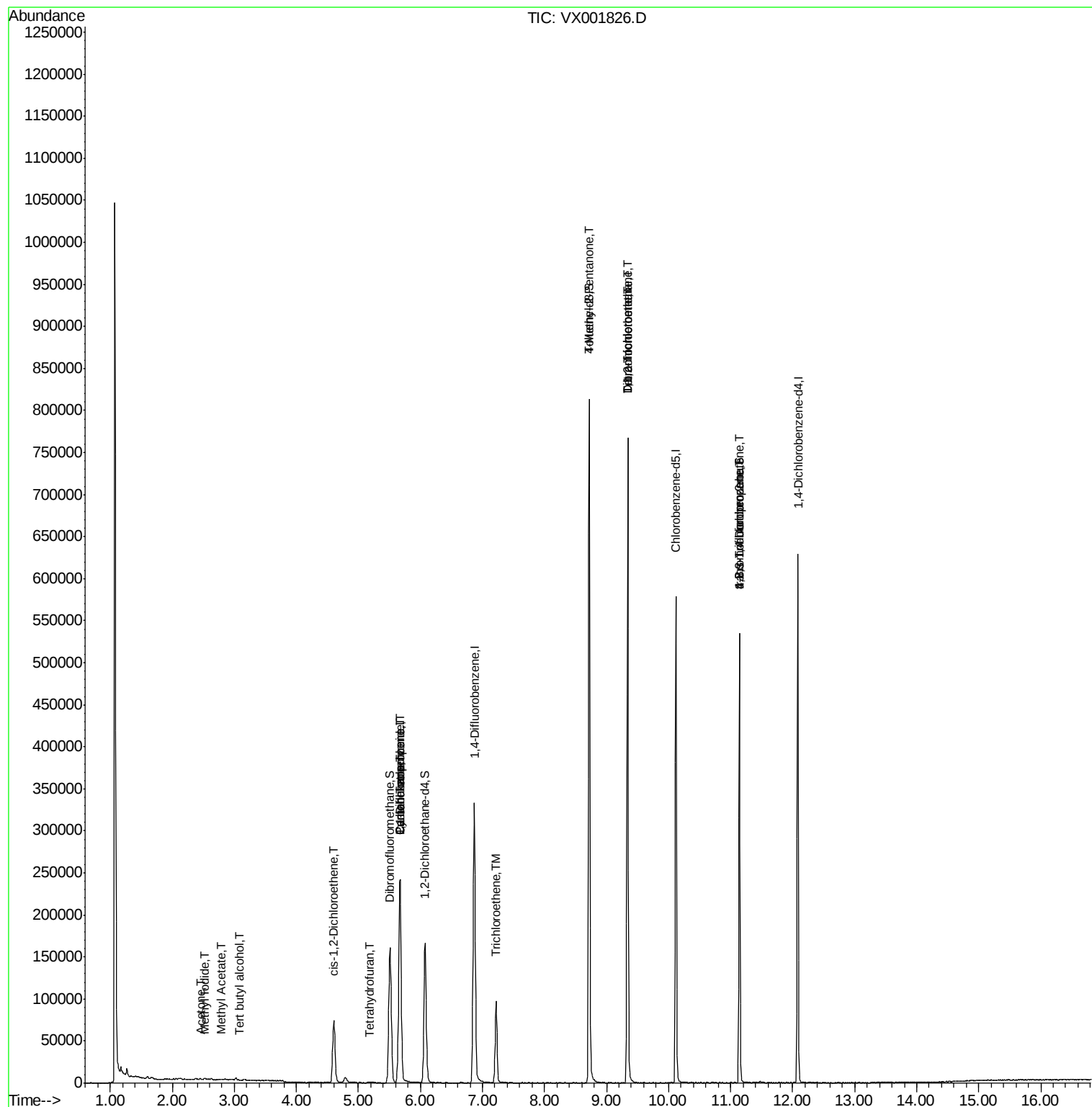
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	1346	Below Cal	#	74
10) Methyl Iodide	2.53	142	1614	0.64	ug/l #	90
11) Tert butyl alcohol	3.08	59	149	0.23	ug/l #	72
16) Acetone	2.45	43	930	0.66	ug/l	99
18) Methyl Acetate	2.78	43	910	0.22	ug/l #	71
27) cis-1,2-Dichloroethene	4.60	96	49215	14.83	ug/l	93
29) Tetrahydrofuran	5.18	42	812	0.58	ug/l #	61
31) Cyclohexane	5.67	56	4071	0.90	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15131	3.66	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21512	4.97	ug/l #	16
44) Trichloroethene	7.22	130	41072	10.88	ug/l	97
51) 4-Methyl-2-Pentanone	8.72	43	1872	0.44	ug/l #	1
55) 1,1,2-Trichloroethane	9.34	97	1184	0.40	ug/l #	6
60) Dibromochloromethane	9.34	129	140977	46.07	ug/l #	11
64) Tetrachloroethene	9.34	164	172717	47.43	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	62765	22.73	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	62765	66.55	ug/l #	10

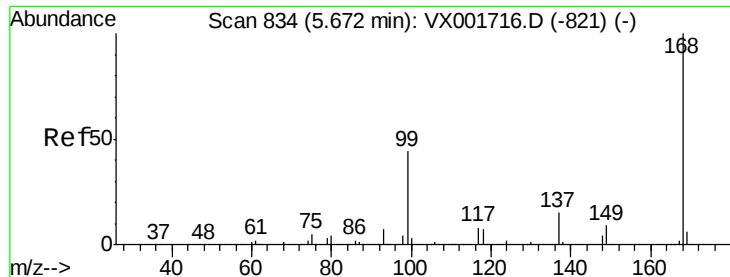
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001826.D

Acq: 18 May 2018 15:20

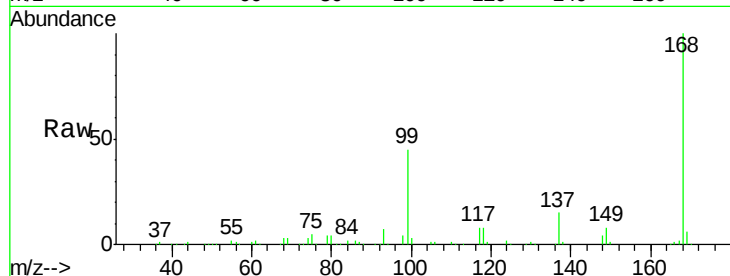
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 267871

Ion Ratio Lower Upper

168 100

99 45.0 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

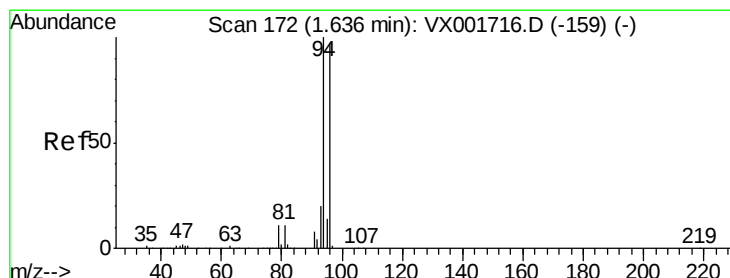
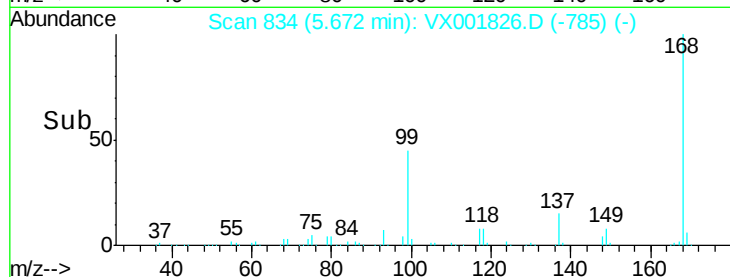
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX001826.D

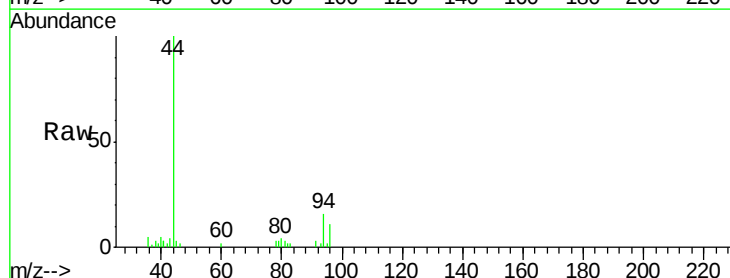
Acq: 18 May 2018 15:20

Tgt Ion: 94 Resp: 1346

Ion Ratio Lower Upper

94 100

96 70.9 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

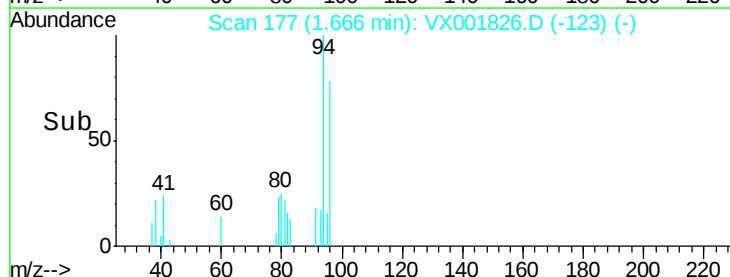
600

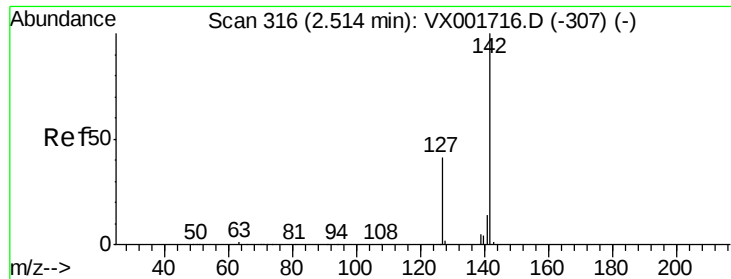
400

200

0

Time--> 1.60 1.65 1.70

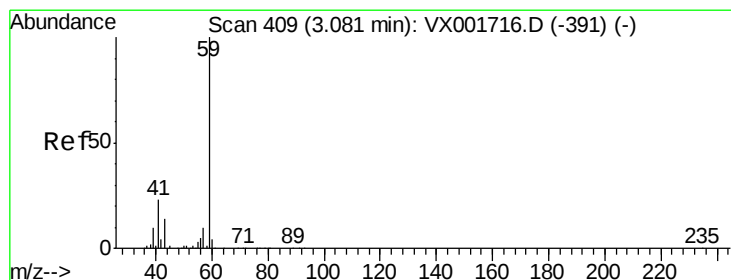
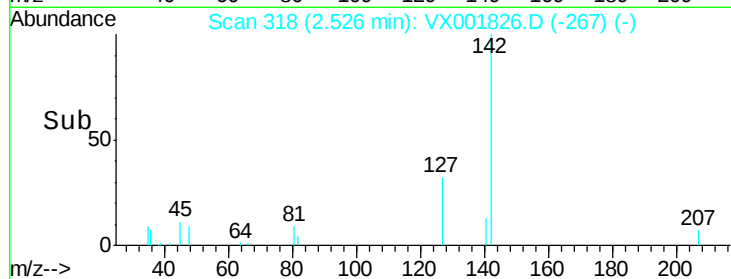
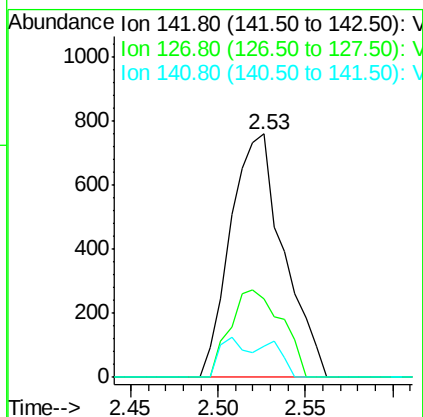
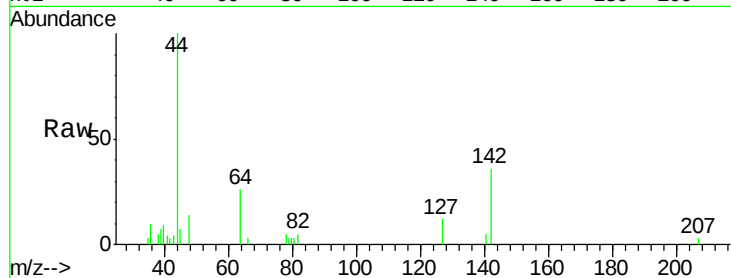




#10
Methyl Iodide
Concen: 0.64 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001826.D
Acq: 18 May 2018 15:20

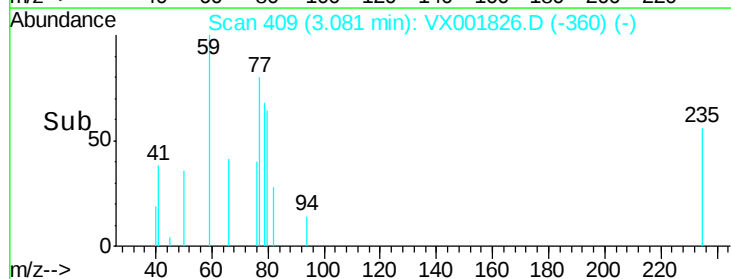
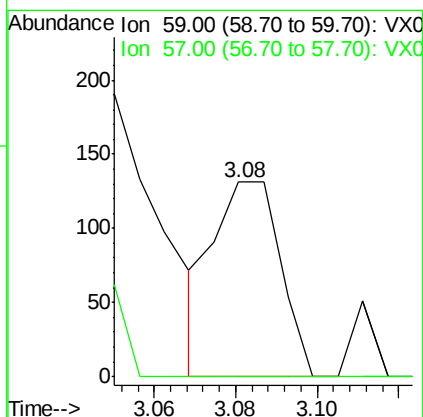
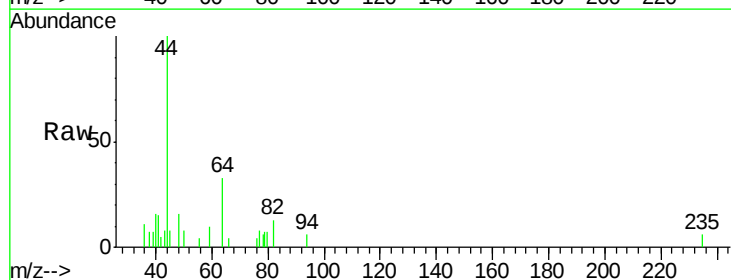
Instrument :
MSVOA_X
ClientSampled :

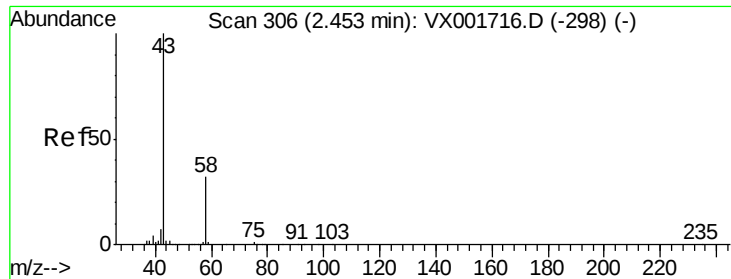
Tot Ion:142 Resp: 1614
Ion Ratio Lower Upper
142 100
127 34.8 32.5 48.7
141 8.8 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.23 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX001826.D
Acq: 18 May 2018 15:20

Tgt Ion: 59 Resp: 149
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 0.66 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001826.D

Acq: 18 May 2018 15:20

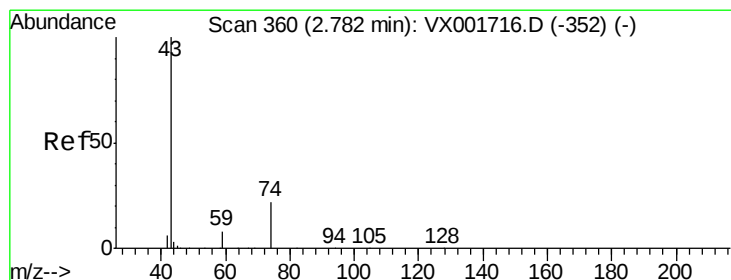
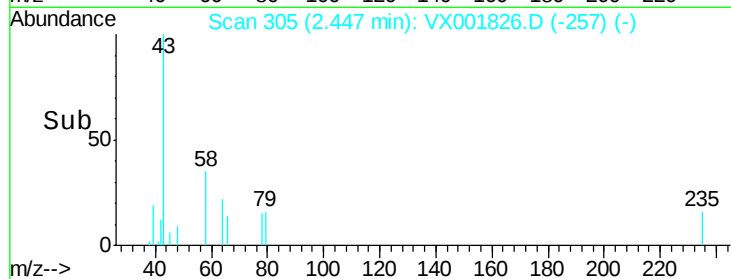
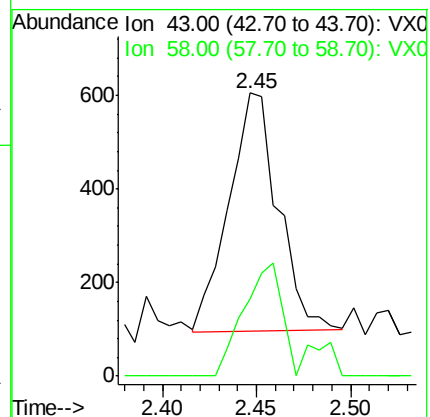
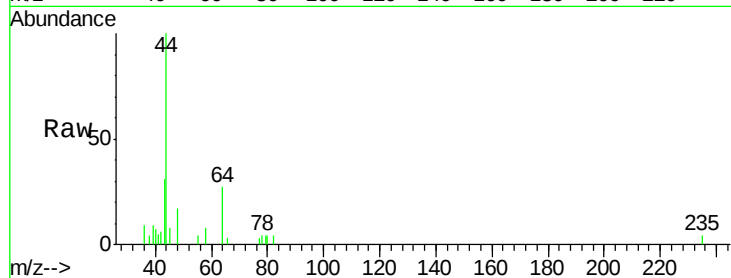
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 930

Ion Ratio Lower Upper

43 100

58 32.4 25.3 37.9



#18

Methyl Acetate

Concen: 0.22 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001826.D

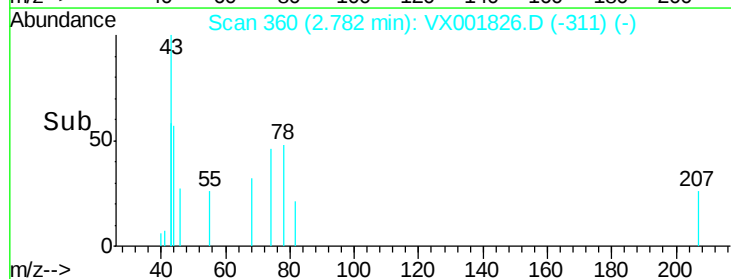
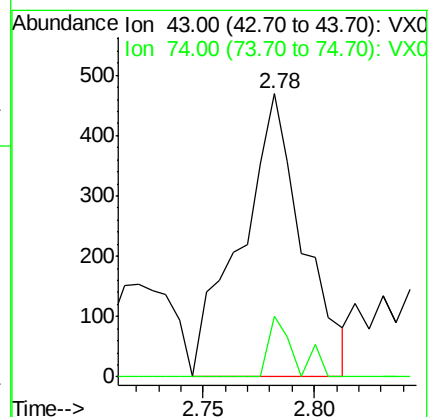
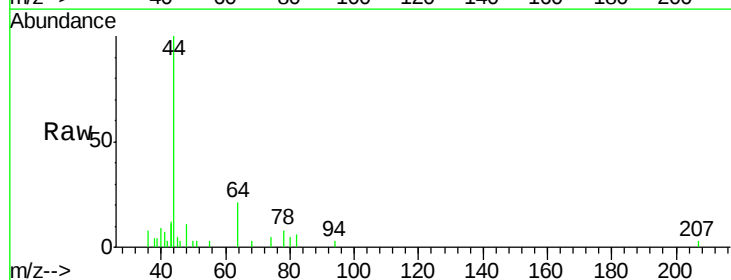
Acq: 18 May 2018 15:20

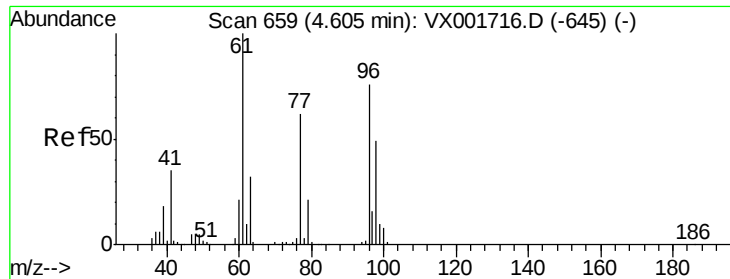
Tgt Ion: 43 Resp: 910

Ion Ratio Lower Upper

43 100

74 8.9 18.2 27.2#



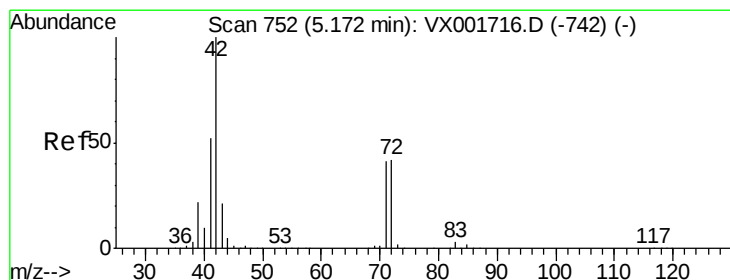
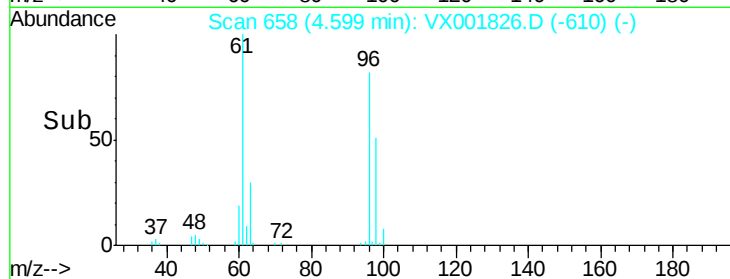
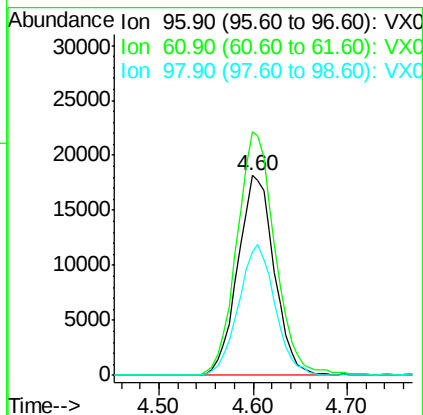
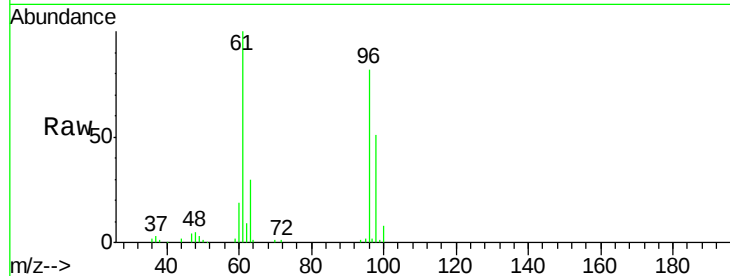


#27

cis-1,2-Dichloroethene
 Concen: 14.83 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX001826.D
 Acq: 18 May 2018 15:20

Instrument :
 MSVOA_X
 ClientSampleId :

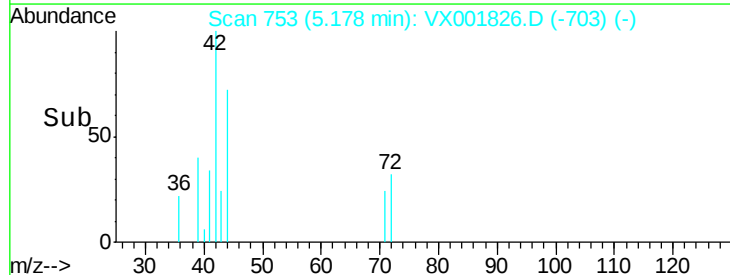
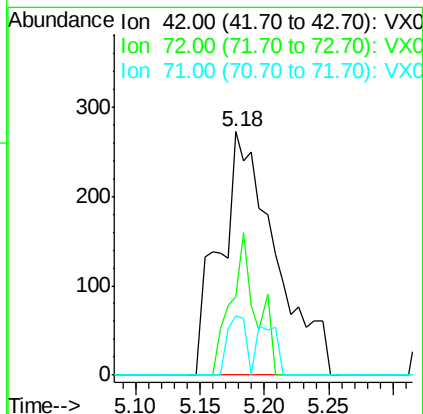
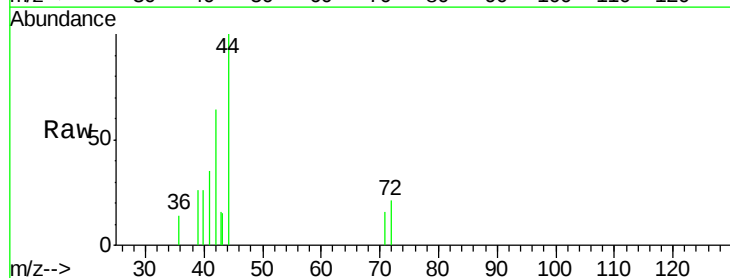
Tot Ion	Ratio	Lower	Upper
96	100		
61	127.9	0.0	280.4
98	65.5	0.0	128.4

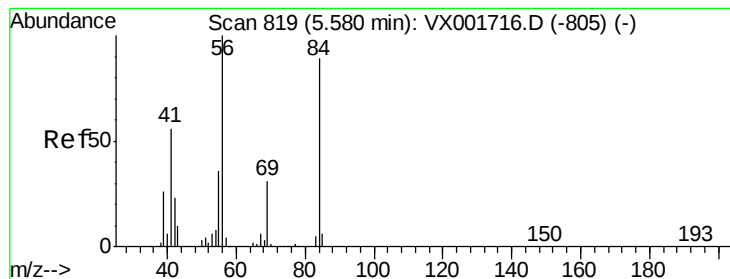


#29

Tetrahydrofuran
 Concen: 0.58 ug/l
 RT: 5.18 min Scan# 753
 Delta R.T. 0.01 min
 Lab File: VX001826.D
 Acq: 18 May 2018 15:20

Tgt Ion	Ratio	Lower	Upper
42	100		
72	26.8	35.4	53.2#
71	8.3	33.2	49.8#





#31

Cyclohexane

Concen: 0.90 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001826.D

Acq: 18 May 2018 15:20

Instrument :

MSVOA_X

ClientSampled :

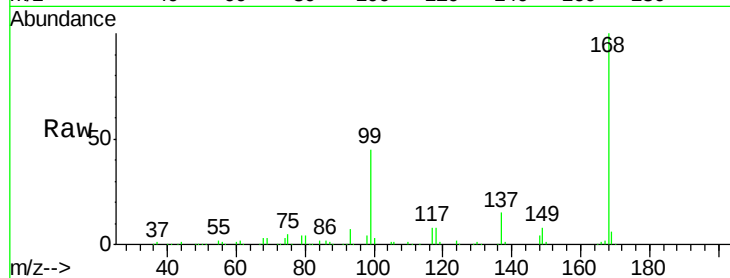
Tot Ion: 56 Resp: 4071

Ion Ratio Lower Upper

56 100

69 169.0 25.0 37.6#

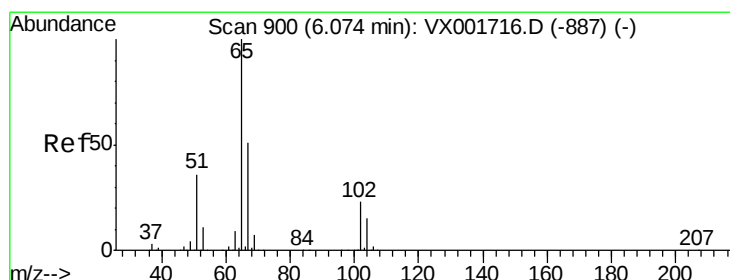
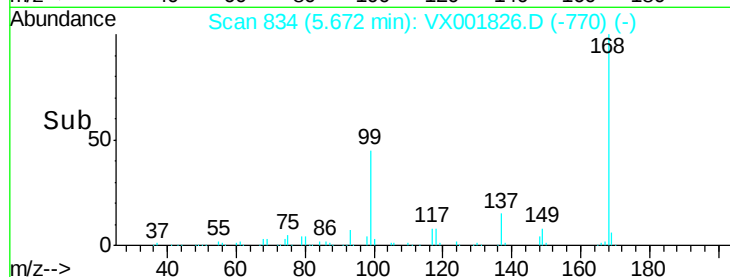
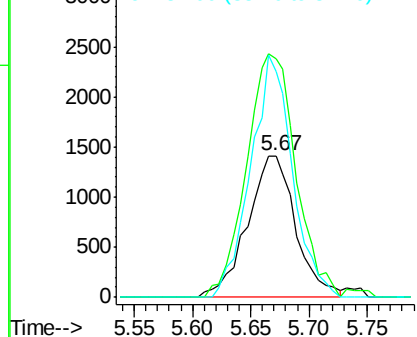
84 159.6 71.0 106.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 43.55 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001826.D

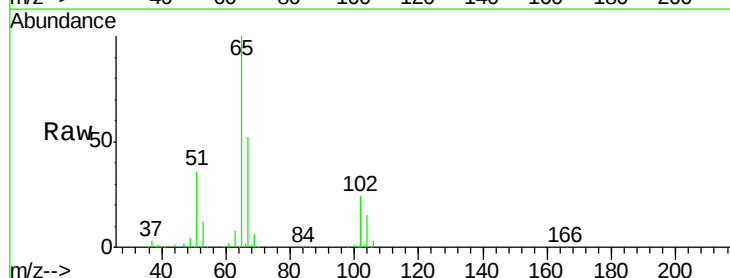
Acq: 18 May 2018 15:20

Tgt Ion: 65 Resp: 156353

Ion Ratio Lower Upper

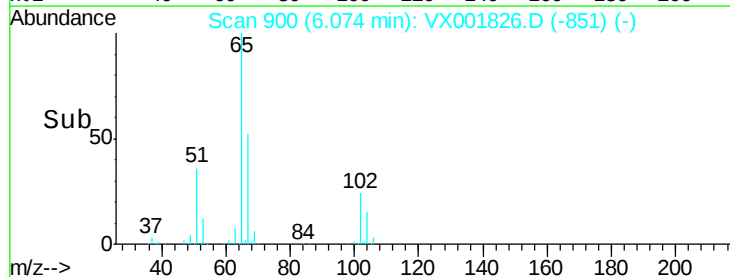
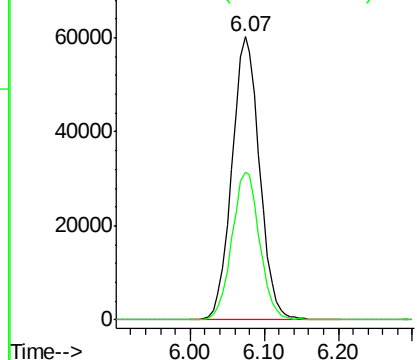
65 100

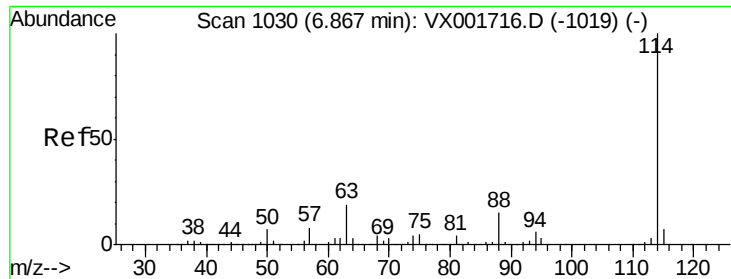
67 52.5 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001826.D

Acq: 18 May 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

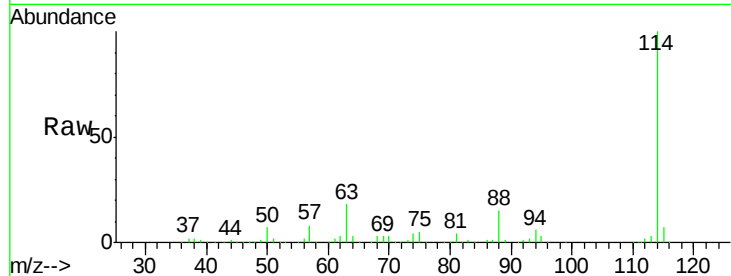
Tot Ion:114 Resp: 358680

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.0

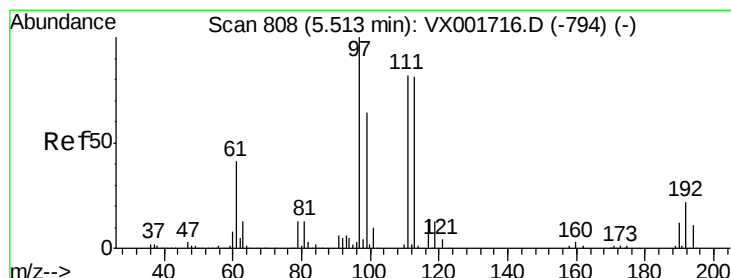
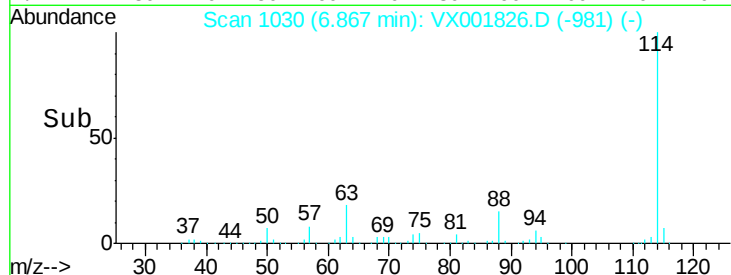
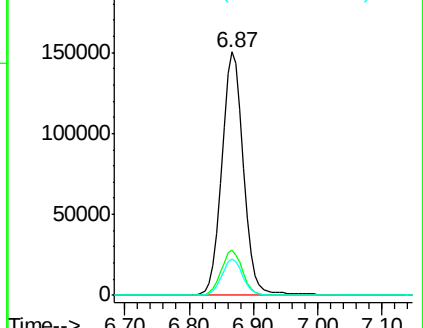
88 15.0 0.0 29.8



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



#35

Dibromofluoromethane

Concen: 44.83 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001826.D

Acq: 18 May 2018 15:20

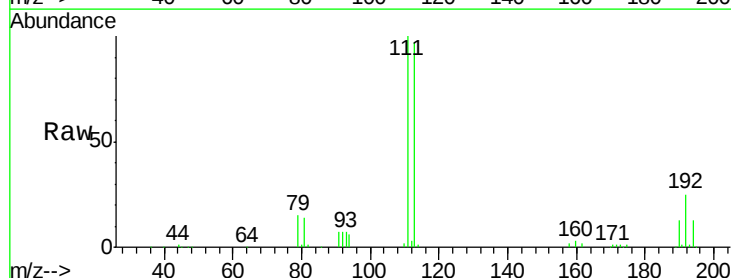
Tgt Ion:113 Resp: 135706

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

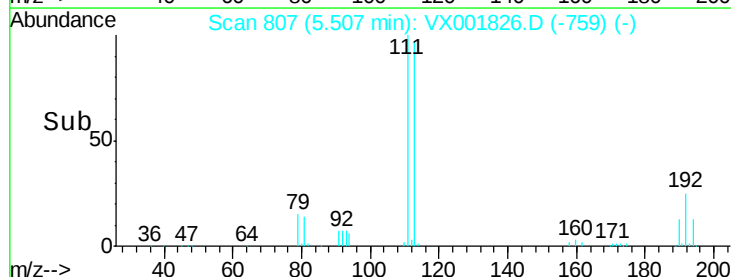
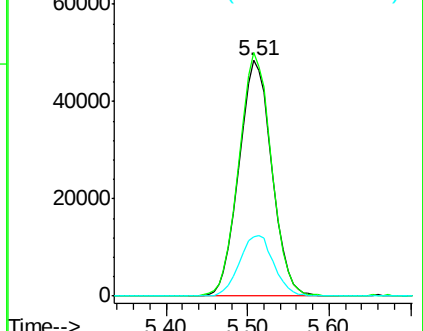
192 26.9 21.6 32.4

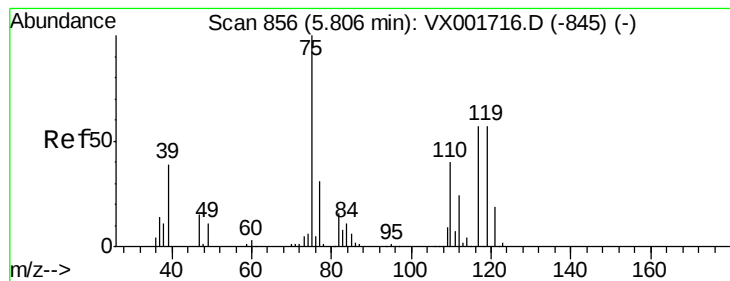


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.66 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001826.D

Acq: 18 May 2018 15:20

Instrument :
MSVOA_X
ClientSampleId :

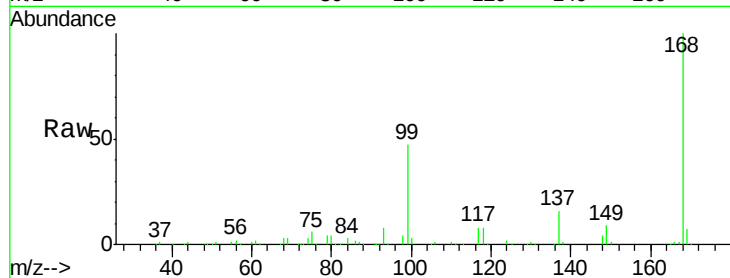
Tot Ion: 75 Resp: 15131

Ion Ratio Lower Upper

75 100

110 10.1 19.1 57.1#

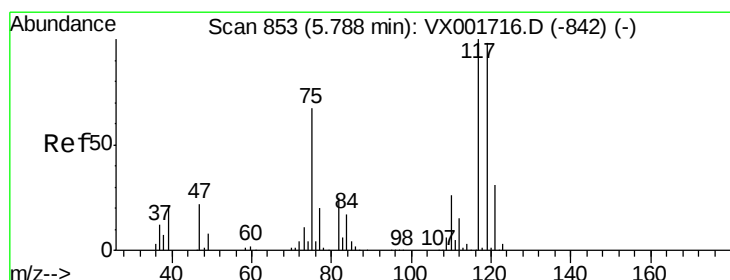
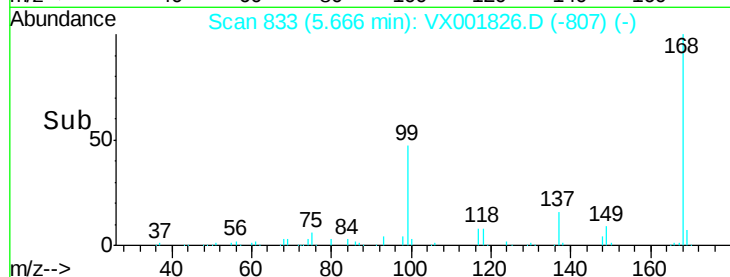
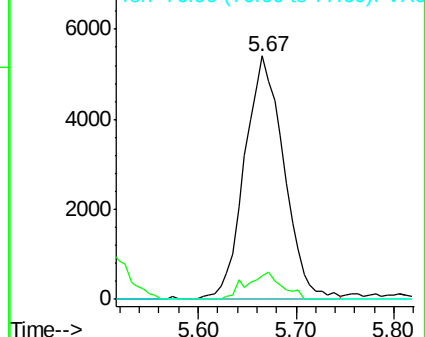
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX001716.D (-845) (-)

Ion 109.90 (109.60 to 110.60): VX001716.D (-845) (-)

Ion 76.90 (76.60 to 77.60): VX001716.D (-845) (-)



#38

Carbon Tetrachloride

Concen: 4.97 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001826.D

Acq: 18 May 2018 15:20

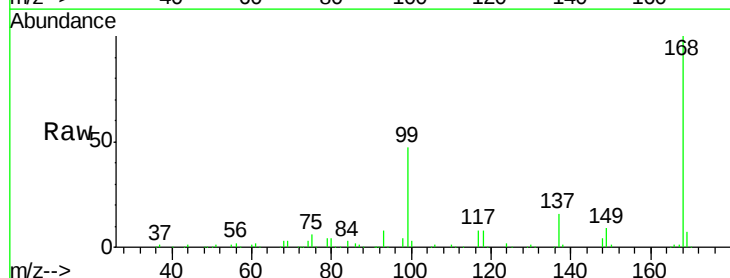
Tgt Ion: 117 Resp: 21512

Ion Ratio Lower Upper

117 100

119 5.6 77.6 116.4#

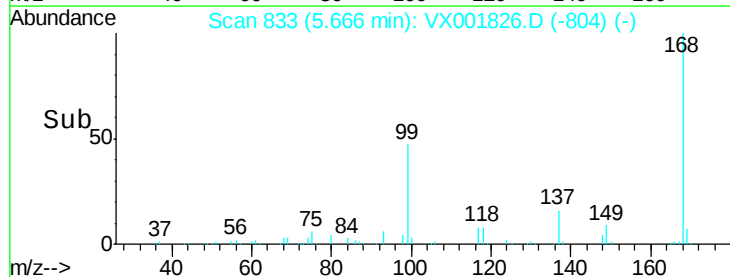
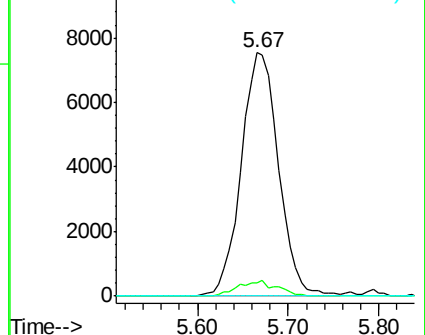
121 0.0 24.6 36.8#

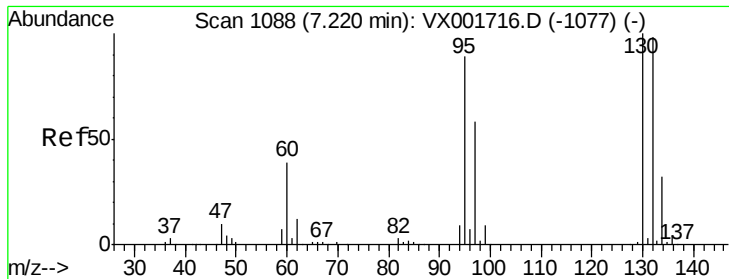


Abundance Ion 116.80 (116.50 to 117.50): VX001716.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX001716.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX001716.D (-842) (-)





#44

Trichloroethene

Concen: 10.88 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001826.D

Acq: 18 May 2018 15:20

Instrument :

MSVOA_X

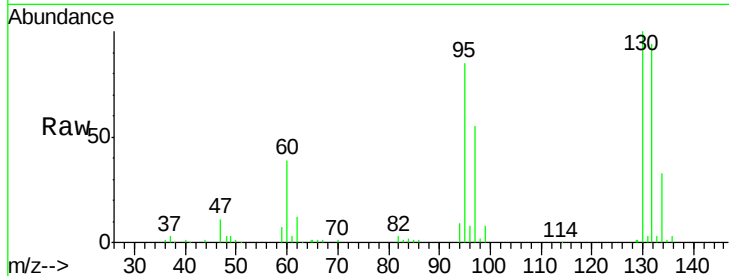
ClientSampleId :

Tot Ion:130 Resp: 41072

Ion Ratio Lower Upper

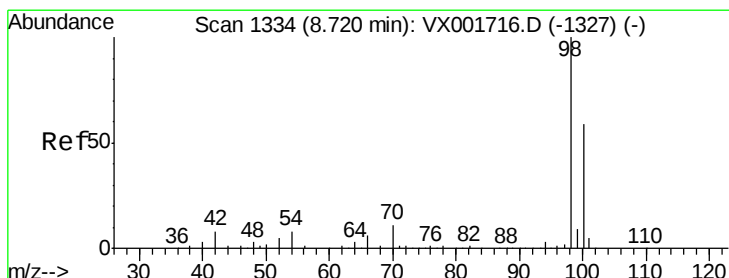
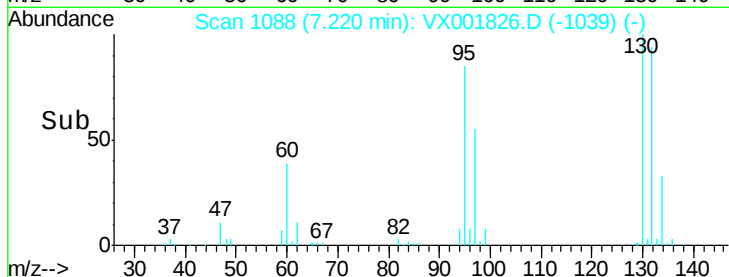
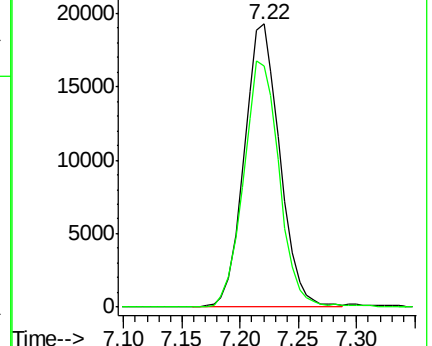
130 100

95 85.4 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 45.30 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001826.D

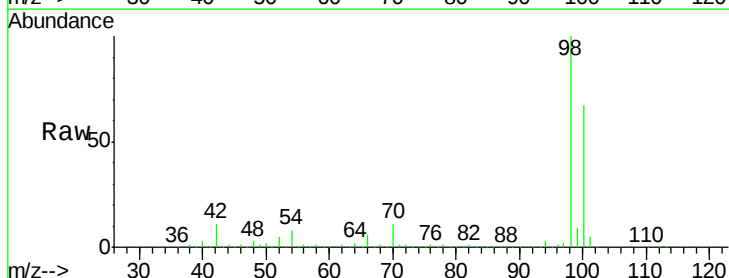
Acq: 18 May 2018 15:20

Tgt Ion: 98 Resp: 491077

Ion Ratio Lower Upper

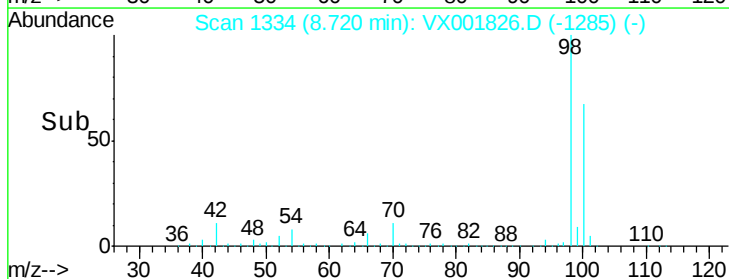
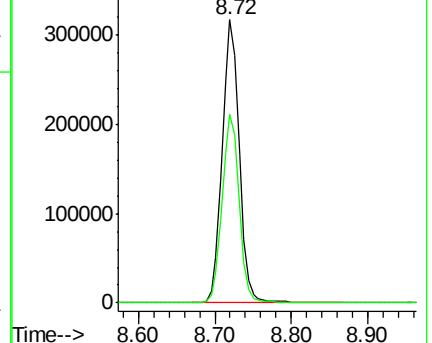
98 100

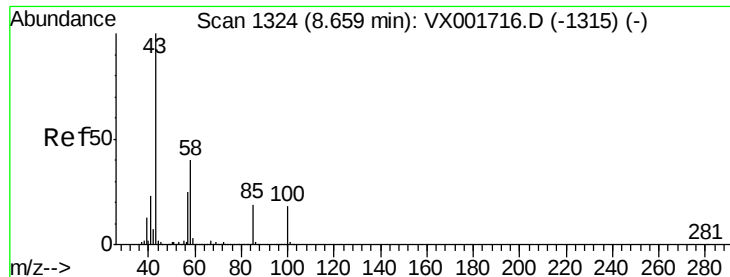
100 66.5 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.44 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX001826.D

Acq: 18 May 2018 15:20

Instrument :

MSVOA_X

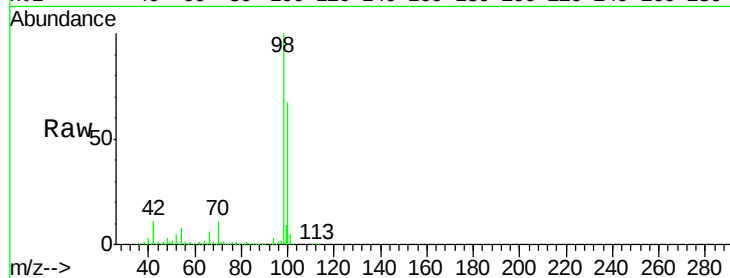
ClientSampleId :

Tot Ion: 43 Resp: 1872

Ion Ratio Lower Upper

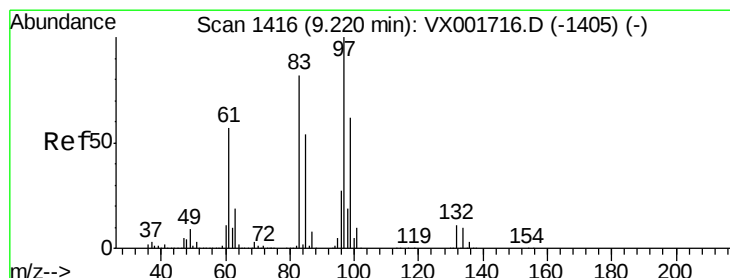
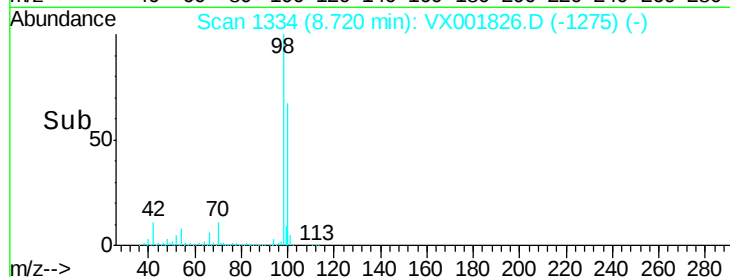
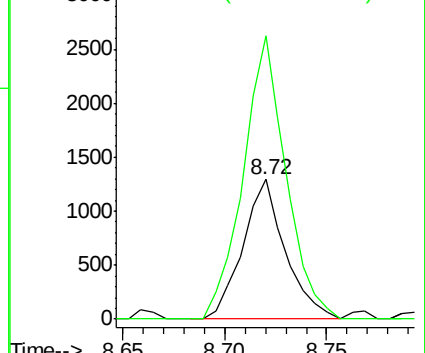
43 100

58 203.8 31.4 47.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#55

1,1,2-Trichloroethane

Concen: 0.40 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.12 min

Lab File: VX001826.D

Acq: 18 May 2018 15:20

Tgt Ion: 97 Resp: 1184

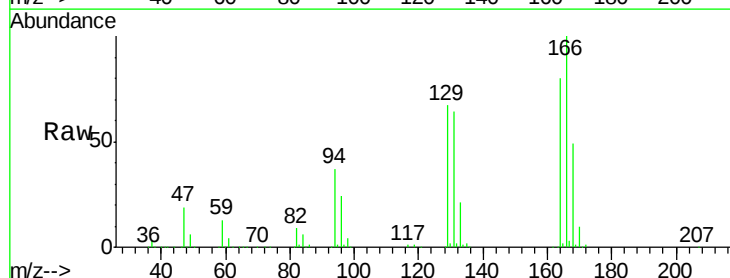
Ion Ratio Lower Upper

97 100

83 243.4 65.8 98.8#

85 49.6 43.4 65.0

99 17.2 49.8 74.6#

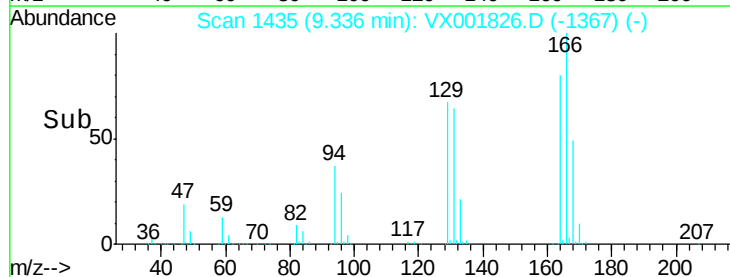
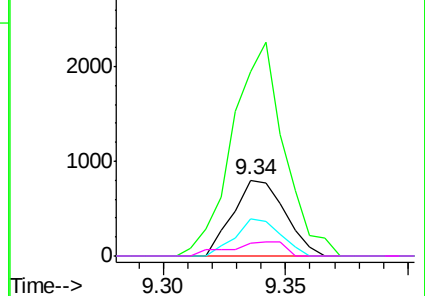


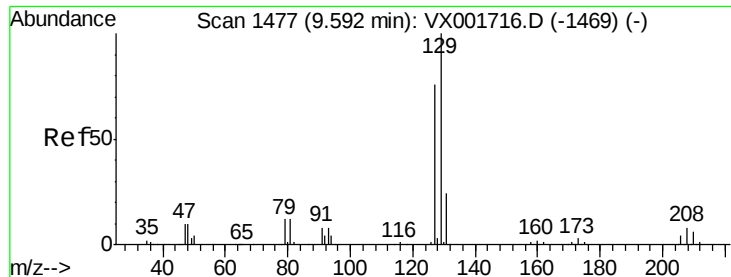
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#60

Dibromochloromethane

Concen: 46.07 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001826.D

Acq: 18 May 2018 15:20

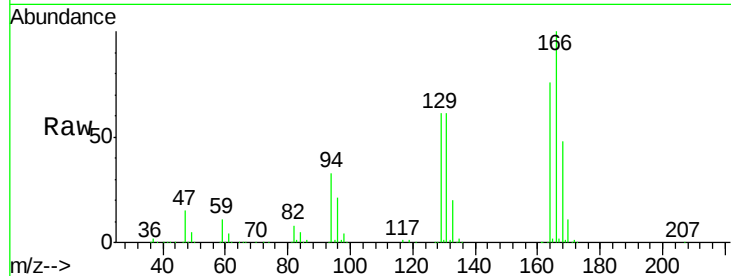
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 140977

Ion Ratio Lower Upper

129 100

127 0.1 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

100000

80000

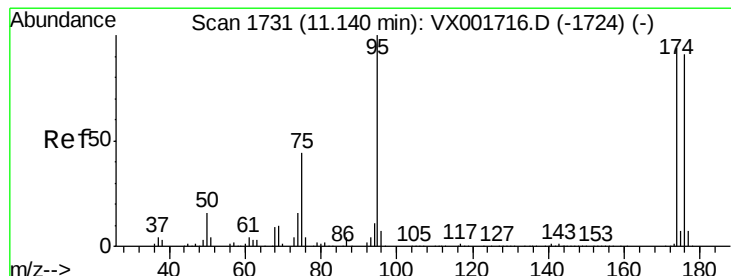
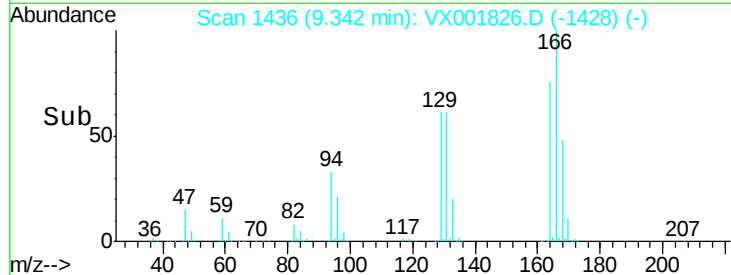
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 34.47 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001826.D

Acq: 18 May 2018 15:20

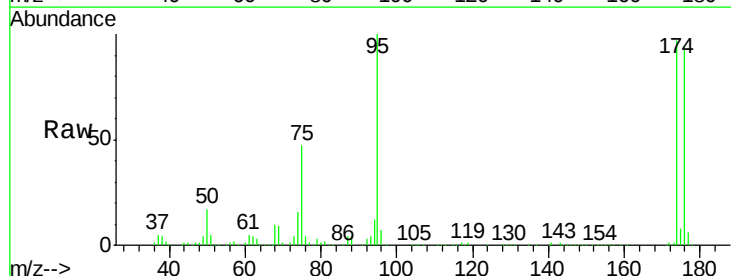
Tgt Ion: 95 Resp: 134533

Ion Ratio Lower Upper

95 100

174 104.4 0.0 201.8

176 101.1 0.0 196.8



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

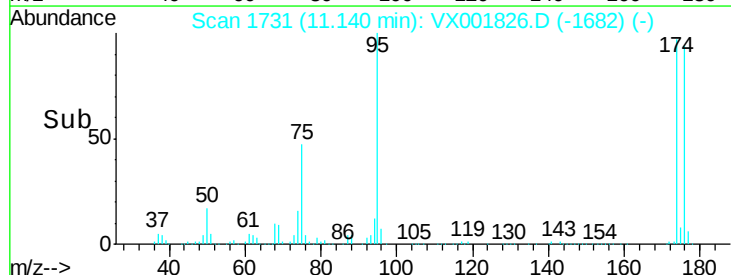
150000

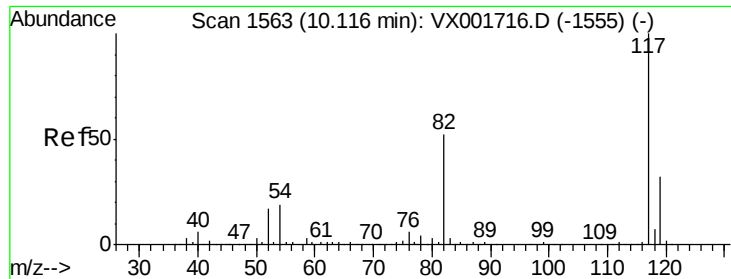
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX001826.D

Acq: 18 May 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

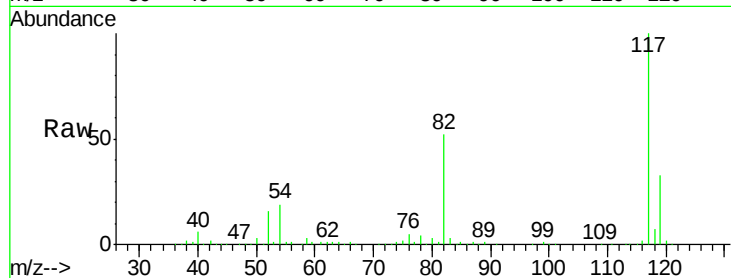
Tot Ion:117 Resp: 279755

Ion Ratio Lower Upper

117 100

82 52.1 41.4 62.2

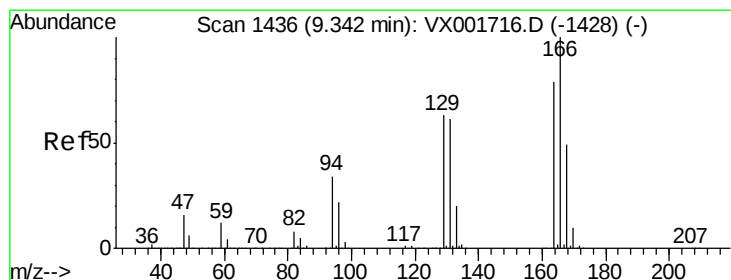
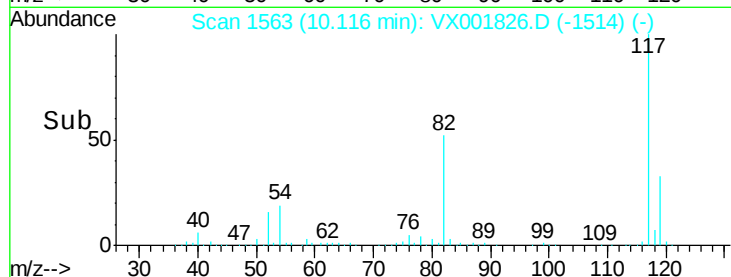
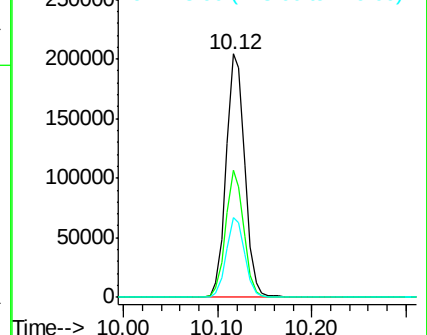
119 32.6 25.6 38.4



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



#64

Tetrachloroethene

Concen: 47.43 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001826.D

Acq: 18 May 2018 15:20

Tgt Ion:164 Resp: 172717

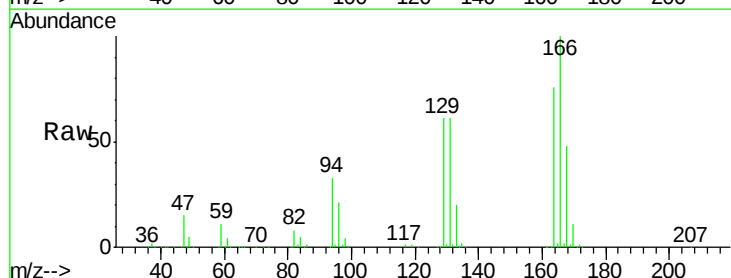
Ion Ratio Lower Upper

164 100

166 131.4 101.8 152.8

129 80.3 63.8 95.6

131 80.6 62.2 93.2

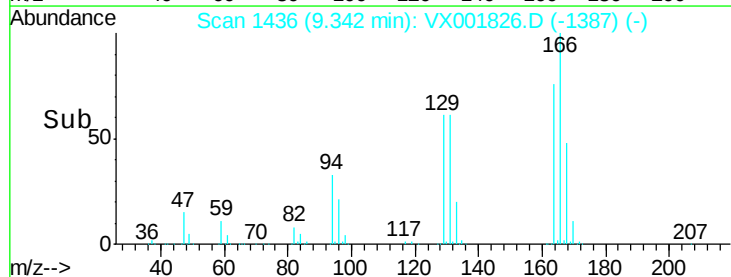
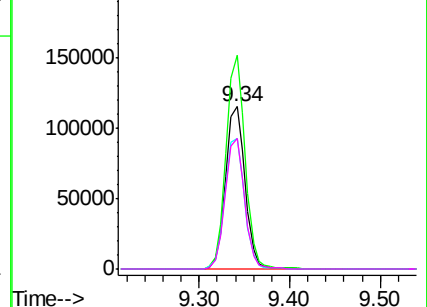


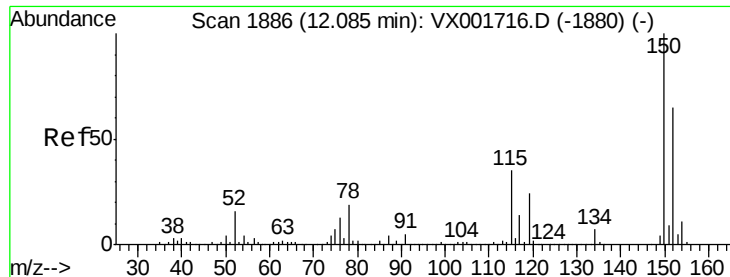
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): 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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001826.D

Acq: 18 May 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

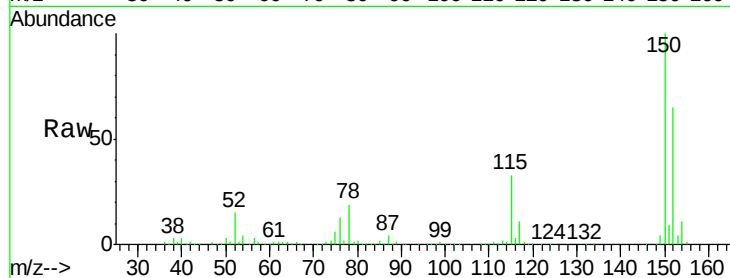
Tot Ion:152 Resp: 145236

Ion Ratio Lower Upper

152 100

115 51.8 37.4 112.2

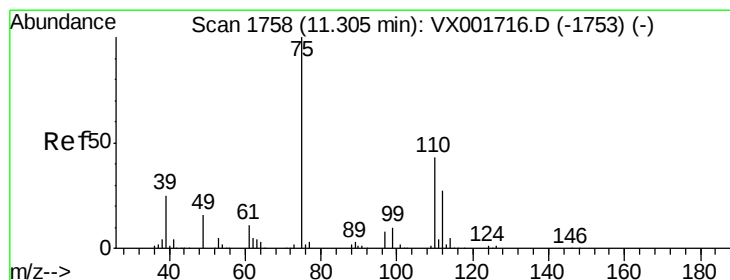
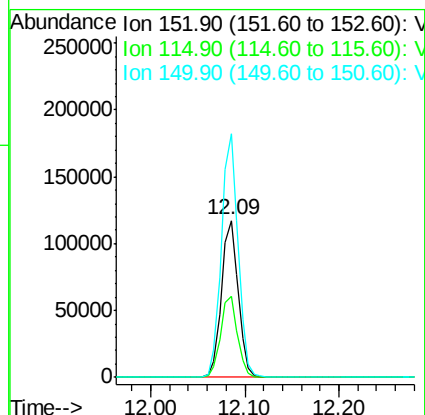
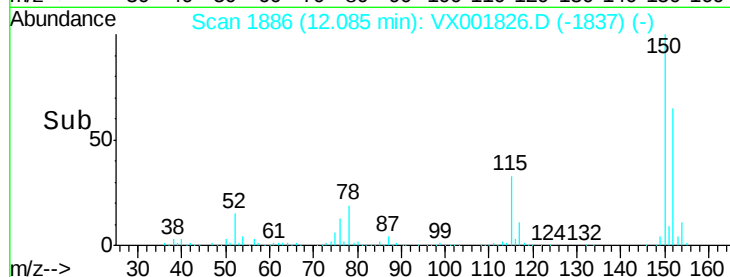
150 154.0 0.0 344.8



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: 22.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001826.D

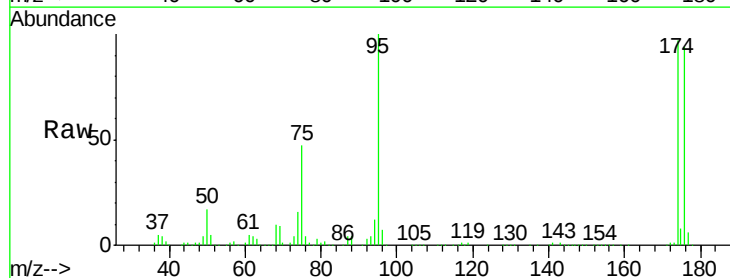
Acq: 18 May 2018 15:20

Tgt Ion: 75 Resp: 62765

Ion Ratio Lower Upper

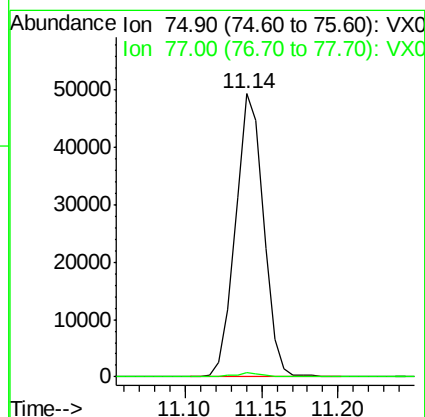
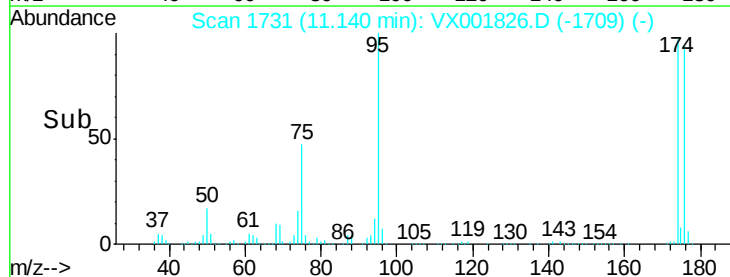
75 100

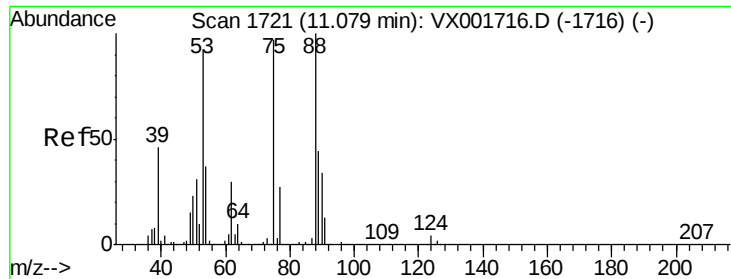
77 1.4 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.55 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001826.D
 Acq: 18 May 2018 15:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 62765
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.4 119.2#
 89 0.0 38.8 58.2#

