

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001835.D
 Acq On : 18 May 2018 19:21
 Operator : JC/MD
 Sample : J2940-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

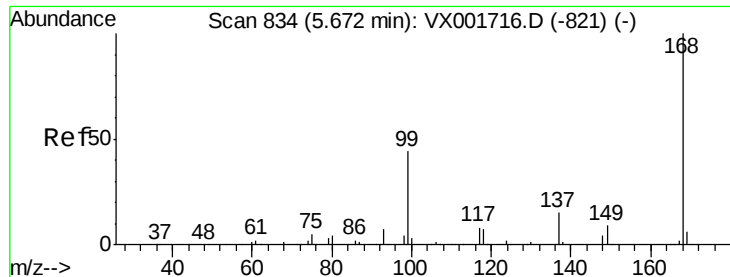
Quant Time: May 19 02:26:26 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	308526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	439781	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187019	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	237945	57.54	ug/l	0.00
Spiked Amount			Recovery	=	115.08%	
35) Dibromofluoromethane	5.51	113	203280	54.77	ug/l	0.00
Spiked Amount			Recovery	=	109.54%	
50) Toluene-d8	8.72	98	724264	54.49	ug/l	0.00
Spiked Amount			Recovery	=	108.98%	
62) 4-Bromofluorobenzene	11.14	95	206460	43.14	ug/l	0.00
Spiked Amount			Recovery	=	86.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1098	Below Cal	#	46
10) Methyl Iodide	2.52	142	848	0.29	ug/l	91
16) Acetone	2.45	43	7536	4.64	ug/l	94
20) Methylene Chloride	2.86	84	1133	0.33	ug/l	95
31) Cyclohexane	5.67	56	4437	0.85	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17478	3.45	ug/l #	48
38) Carbon Tetrachloride	5.67	117	25271	4.76	ug/l #	15
60) Dibromochloromethane	9.34	129	1021	0.27	ug/l #	11
64) Tetrachloroethene	9.34	164	1054	0.23	ug/l #	77
76) 1,2,3-Trichloropropane	11.14	75	96922	27.25	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	96922	79.15	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001835.D

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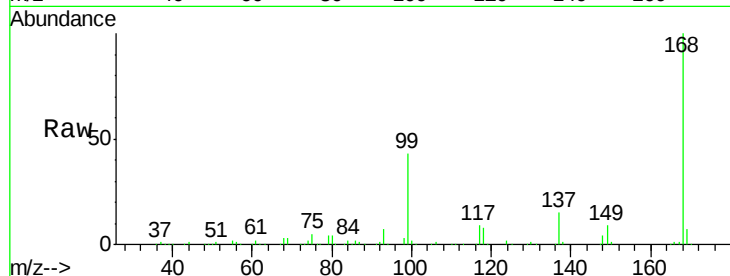
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 308526

Ion Ratio Lower Upper

168 100

99 43.4 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

120000

100000

80000

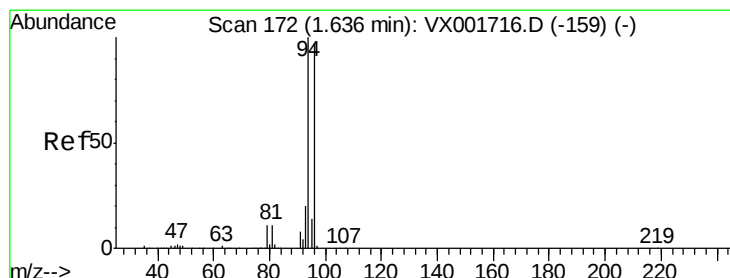
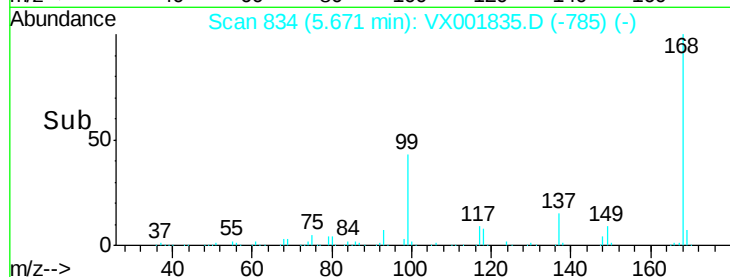
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001835.D

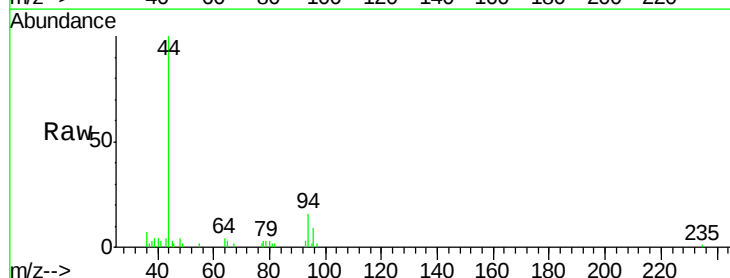
Acq: 18 May 2018 19:21

Tgt Ion: 94 Resp: 1098

Ion Ratio Lower Upper

94 100

96 43.7 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

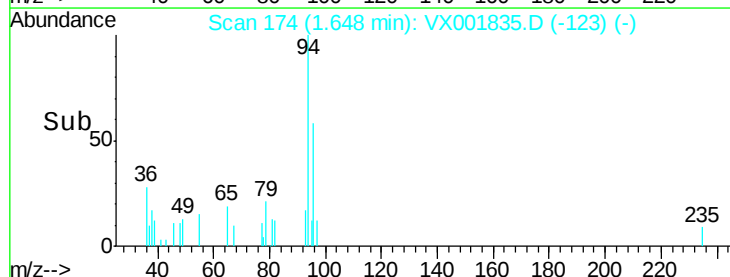
300

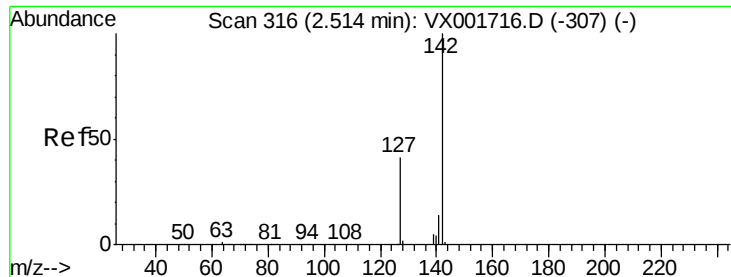
200

100

0

Time-->

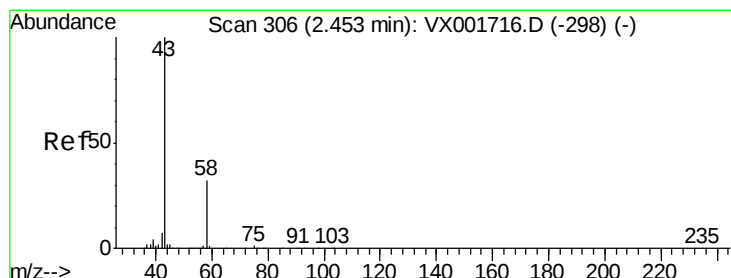
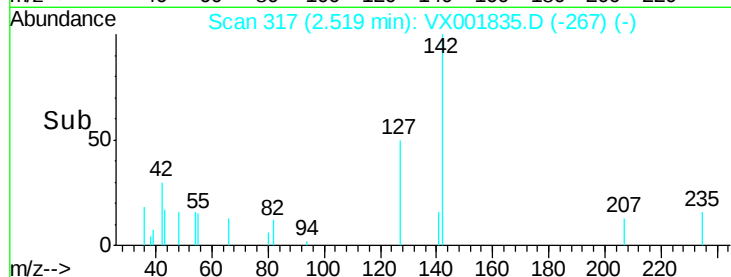
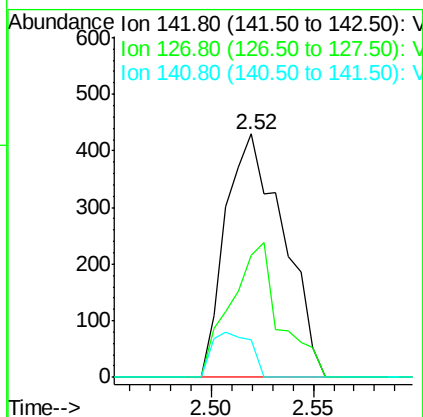
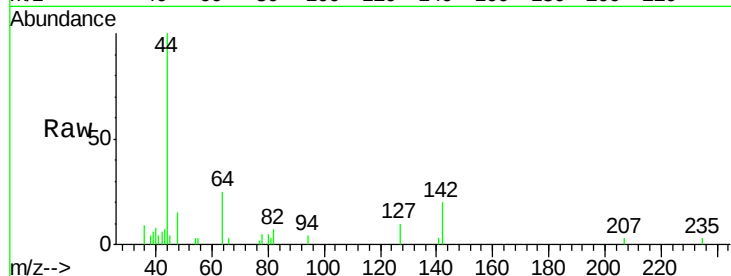




#10
Methvl Iodide
Concen: 0.29 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001835.D
Acq: 18 May 2018 19:21

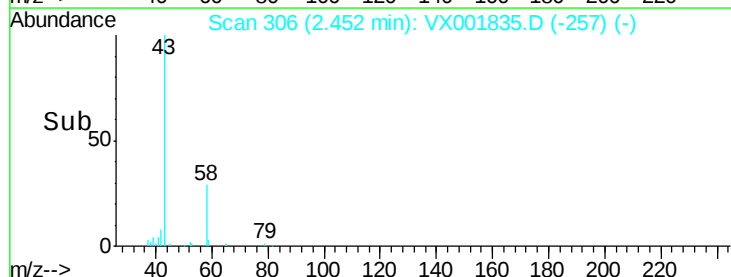
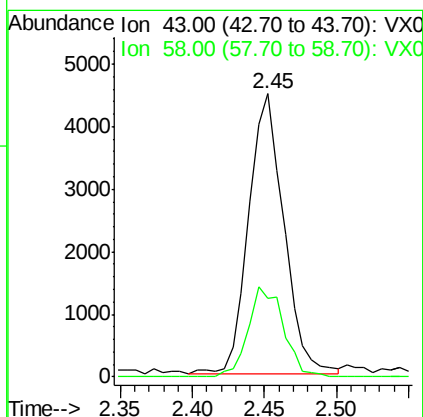
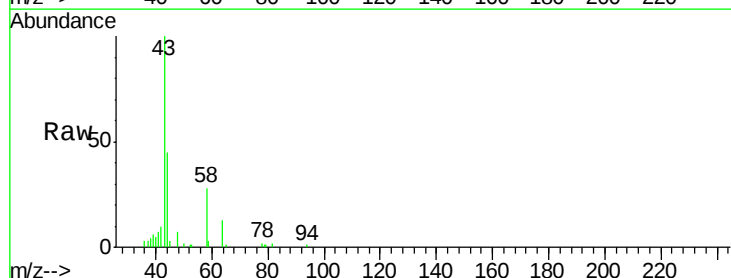
Instrument :
MSVOA_X
ClientSampled :

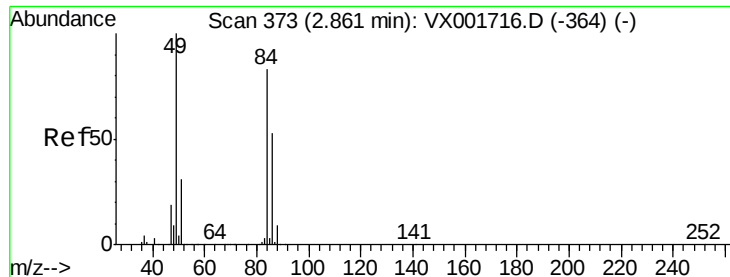
Tot Ion:142 Resp: 848
Ion Ratio Lower Upper
142 100
127 46.9 32.5 48.7
141 12.4 11.4 17.0



#16
Acetone
Concen: 4.64 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX001835.D
Acq: 18 May 2018 19:21

Tgt Ion: 43 Resp: 7536
Ion Ratio Lower Upper
43 100
58 28.3 25.3 37.9

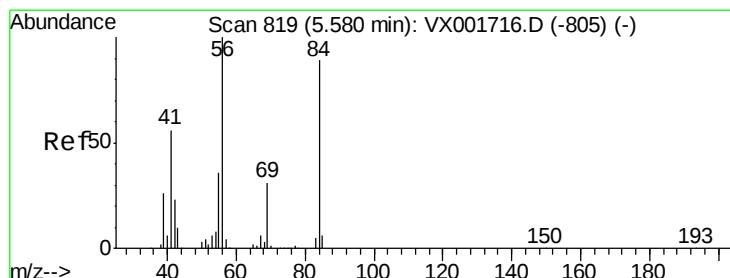
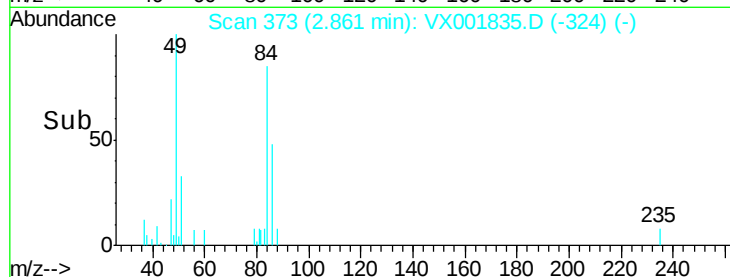
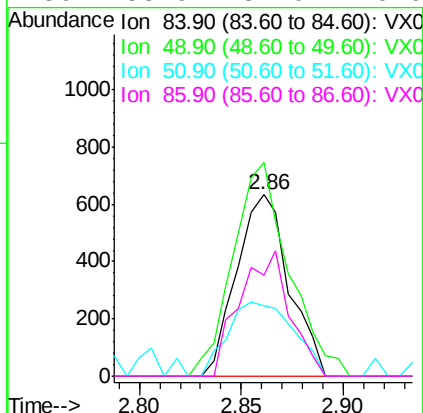
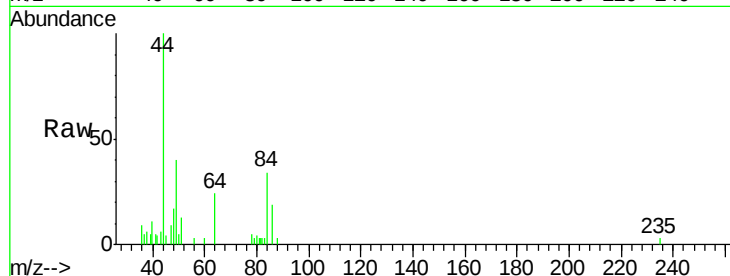




#20
Methvlene Chloride
Concen: 0.33 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001835.D
Acq: 18 May 2018 19:21

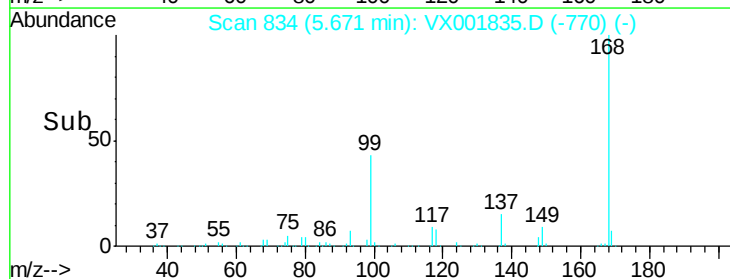
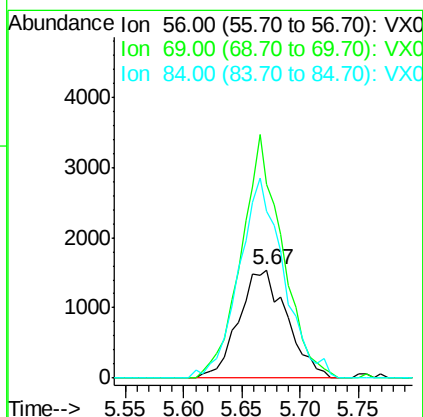
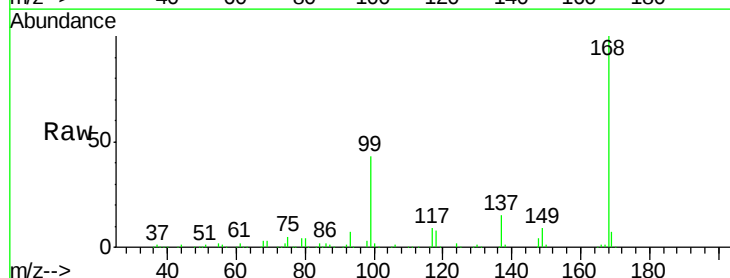
Instrument :
MSVOA_X
ClientSampled :

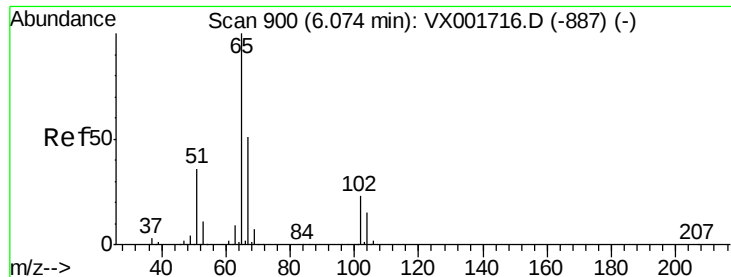
Tot Ion:	84	Resp:	1133
Ion	Ratio	Lower	Upper
84	100		
49	117.7	96.3	144.5
51	39.0	29.8	44.6
86	55.9	51.0	76.6



#31
Cyclohexane
Concen: 0.85 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001835.D
Acq: 18 May 2018 19:21

Tgt Ion:	56	Resp:	4437
Ion	Ratio	Lower	Upper
56	100		
69	179.0	25.0	37.6#
84	153.2	71.0	106.4#





#33

1,2-Dichloroethane-d4

Concen: 57.54 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001835.D

Acq: 18 May 2018 19:21

Instrument :

MSVOA_X

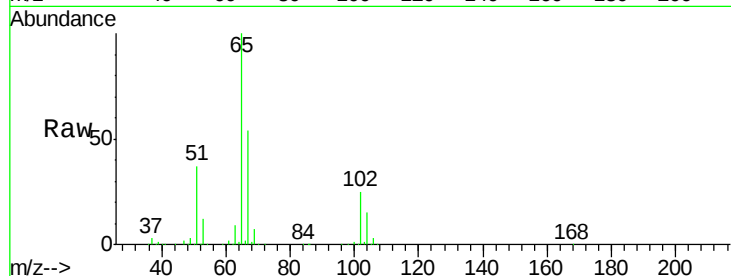
ClientSampled :

Tot Ion: 65 Resp: 237945

Ion Ratio Lower Upper

65 100

67 53.1 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

100000

80000

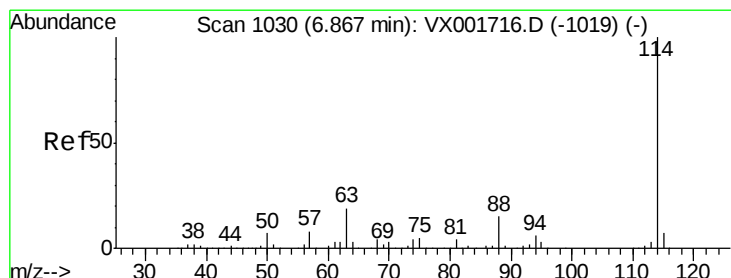
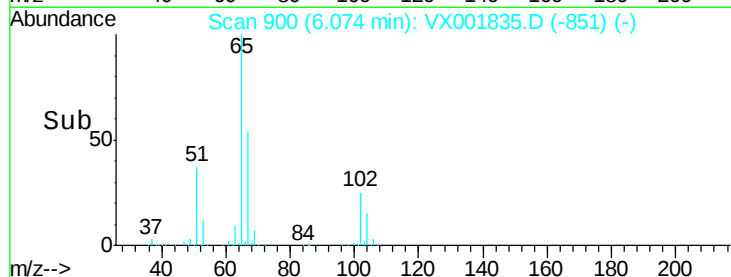
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001835.D

Acq: 18 May 2018 19:21

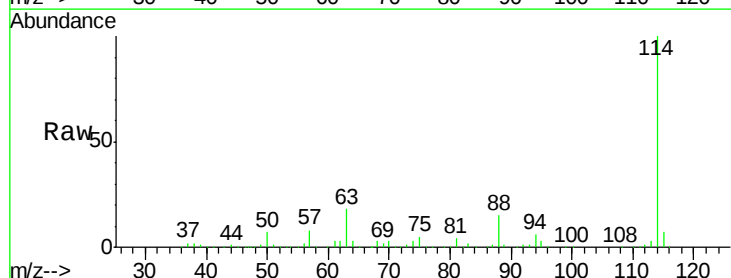
Tgt Ion: 114 Resp: 439781

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.0

88 14.5 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

250000

200000

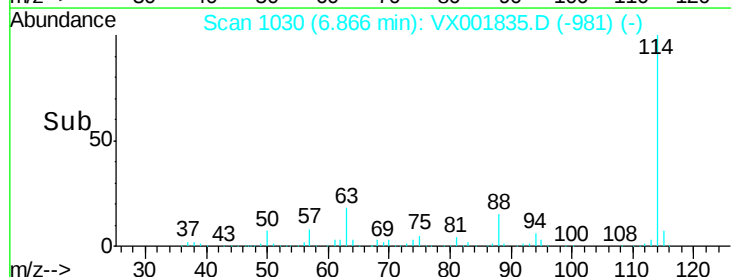
150000

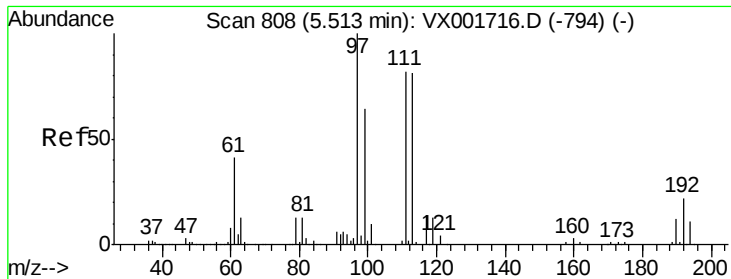
100000

50000

0

Time--> 6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 54.77 ug/l

RT: 5.51 min Scan# 808

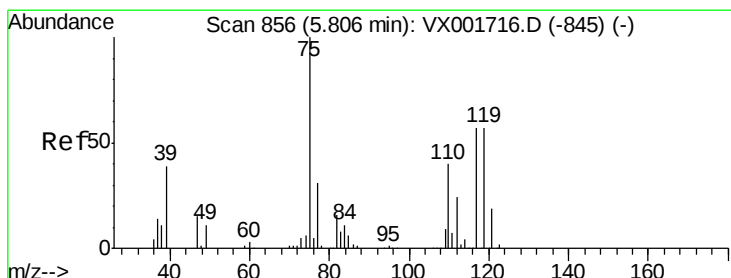
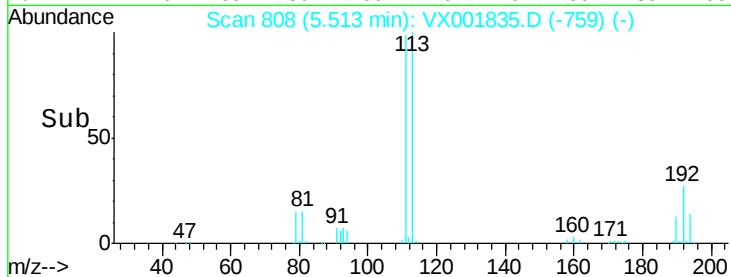
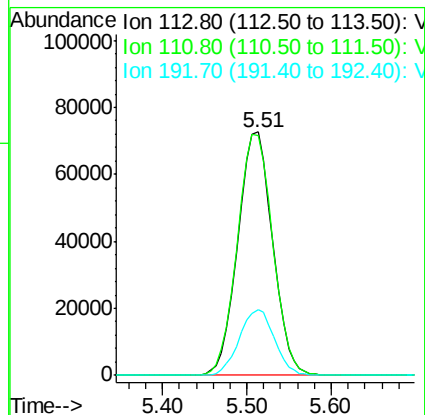
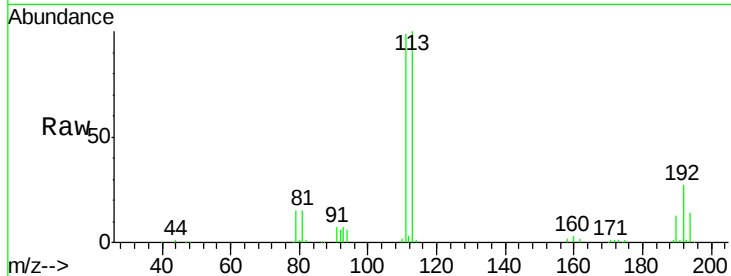
Delta R.T. -0.00 min

Lab File: VX001835.D

Acq: 18 May 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:113 Resp: 203280
Ion Ratio Lower Upper
113 100
111 101.1 82.0 123.0
192 27.3 21.6 32.4



#36

1,1-Dichloropropene

Concen: 3.45 ug/l

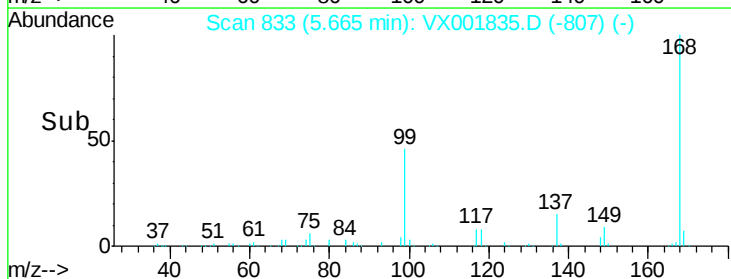
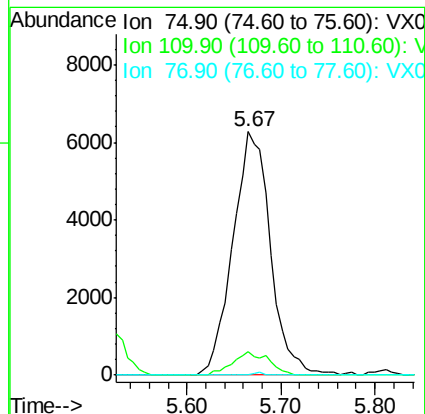
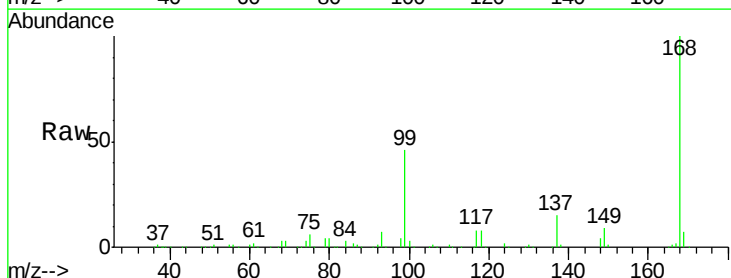
RT: 5.67 min Scan# 833

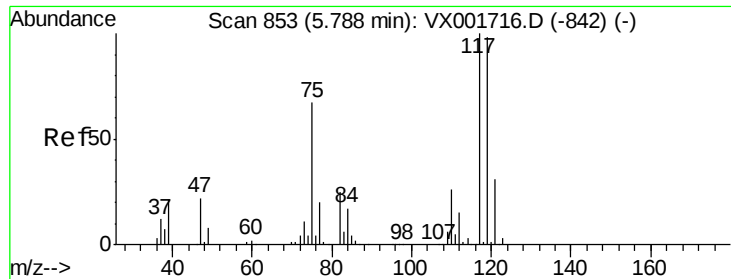
Delta R.T. -0.14 min

Lab File: VX001835.D

Acq: 18 May 2018 19:21

Tgt Ion: 75 Resp: 17478
Ion Ratio Lower Upper
75 100
110 9.0 19.1 57.1#
77 0.3 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 4.76 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001835.D

Acq: 18 May 2018 19:21

Instrument :

MSVOA_X

ClientSampled :

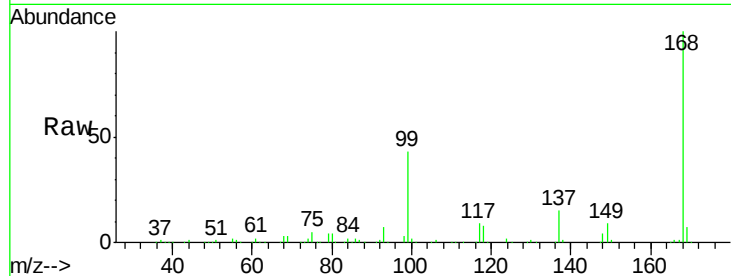
Tot Ion:117 Resp: 25271

Ion Ratio Lower Upper

117 100

119 4.5 77.6 116.4#

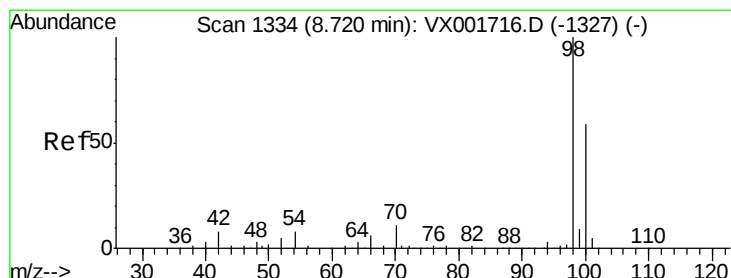
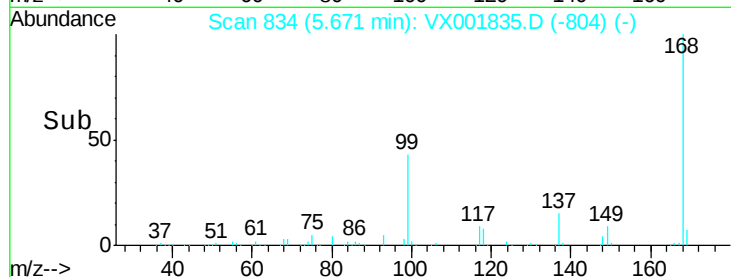
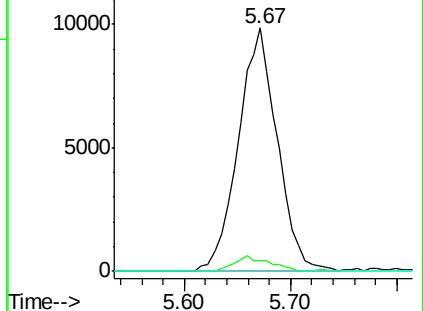
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 54.49 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001835.D

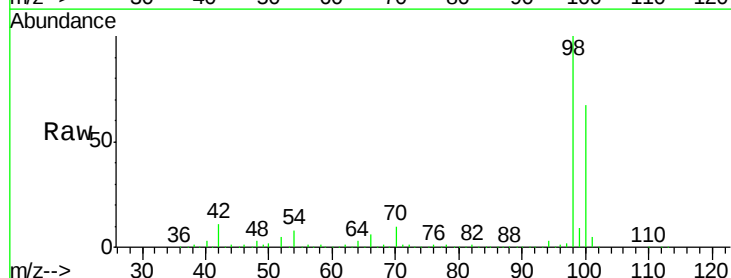
Acq: 18 May 2018 19:21

Tgt Ion: 98 Resp: 724264

Ion Ratio Lower Upper

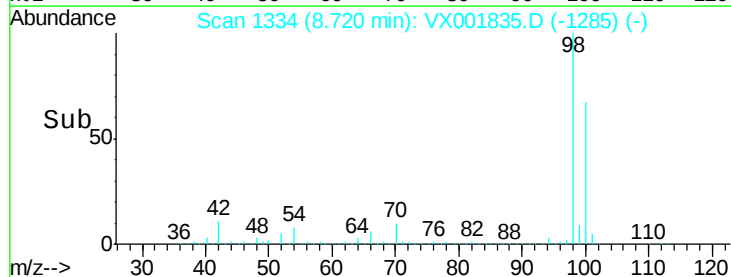
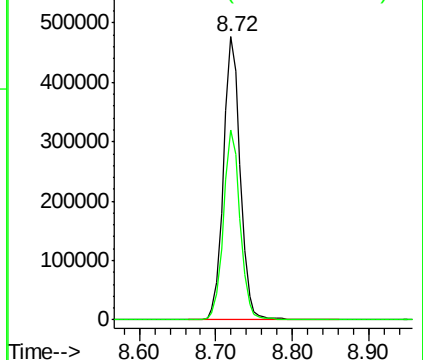
98 100

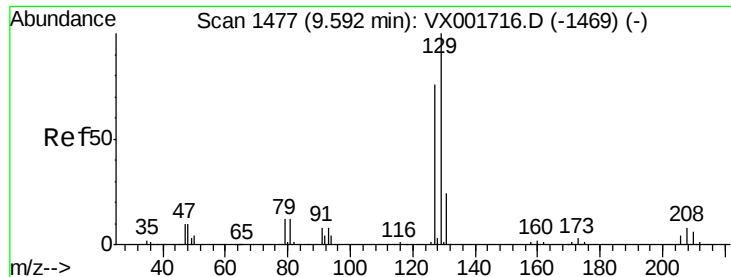
100 66.6 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.27 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001835.D

Acq: 18 May 2018 19:21

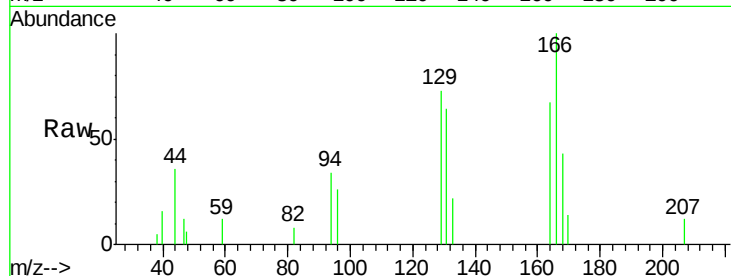
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 1021

Ion Ratio Lower Upper

129 100

127 0.0 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

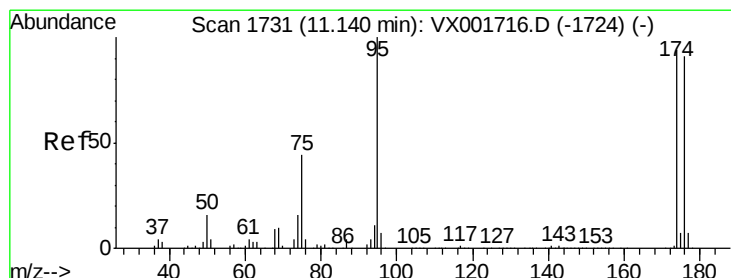
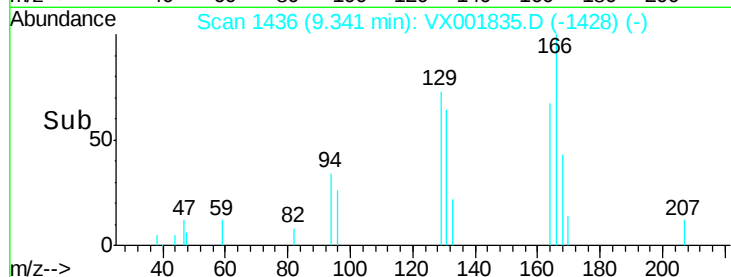
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.14 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001835.D

Acq: 18 May 2018 19:21

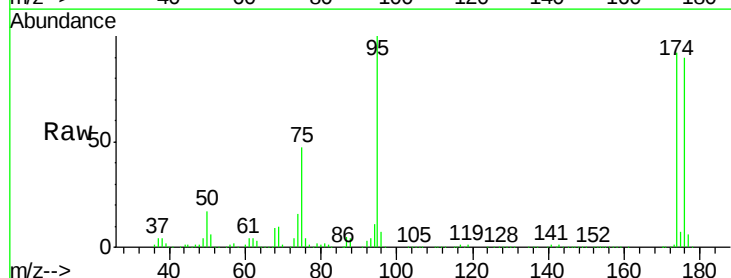
Tgt Ion: 95 Resp: 206460

Ion Ratio Lower Upper

95 100

174 104.8 0.0 201.8

176 100.6 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

200000

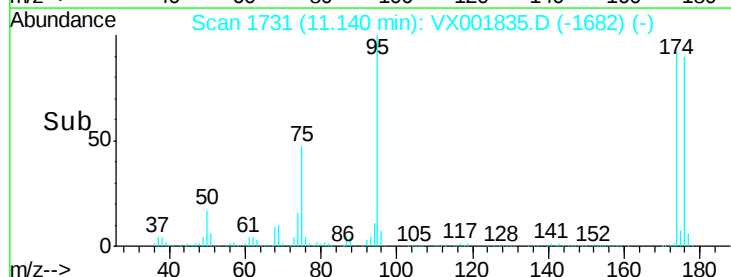
150000

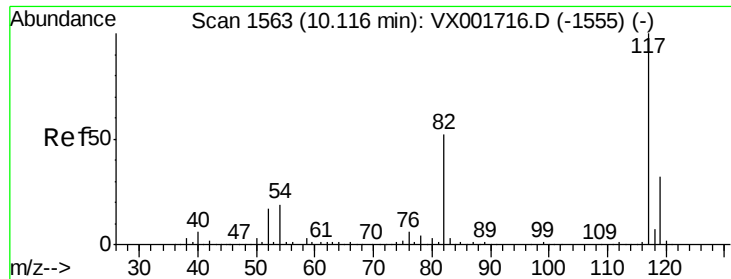
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VX001835.D

Acq: 18 May 2018 19:21

Instrument :

MSVOA_X

ClientSampleId :

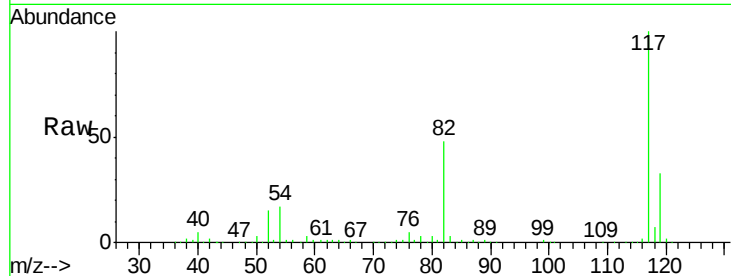
Tot Ion:117 Resp: 344915

Ion Ratio Lower Upper

117 100

82 48.4 41.4 62.2

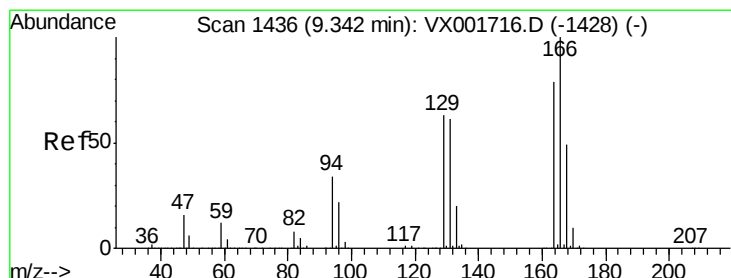
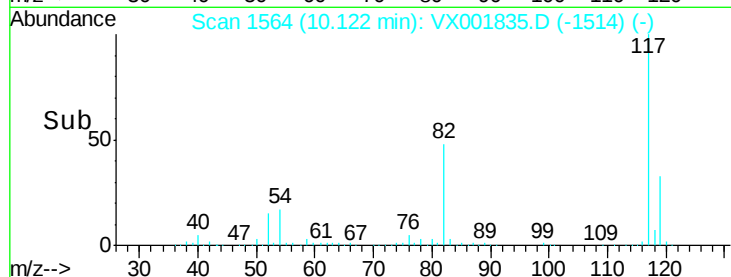
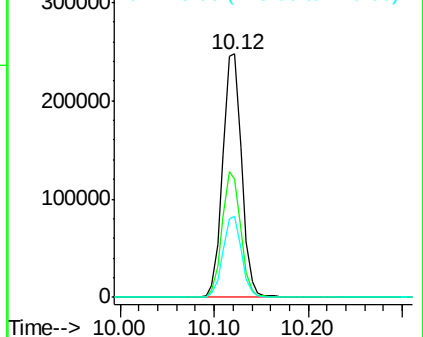
119 33.0 25.6 38.4



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: 0.23 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001835.D

Acq: 18 May 2018 19:21

Tgt Ion:164 Resp: 1054

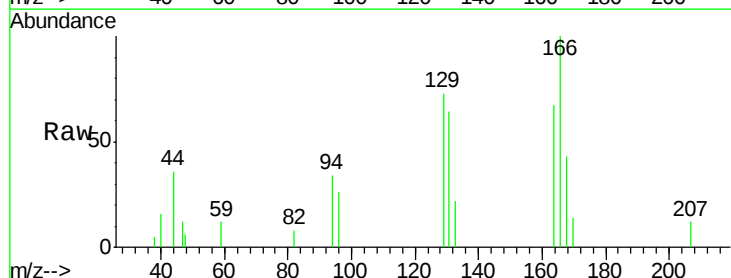
Ion Ratio Lower Upper

164 100

166 148.5 101.8 152.8

129 108.6 63.8 95.6#

131 95.7 62.2 93.2#

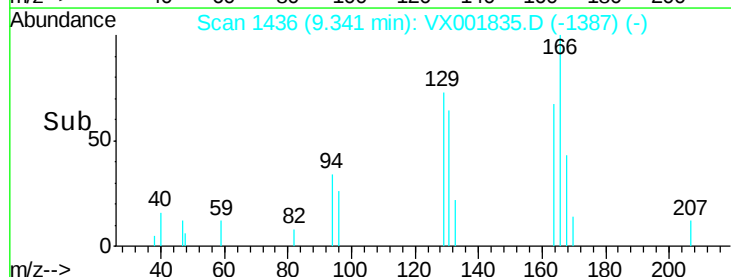
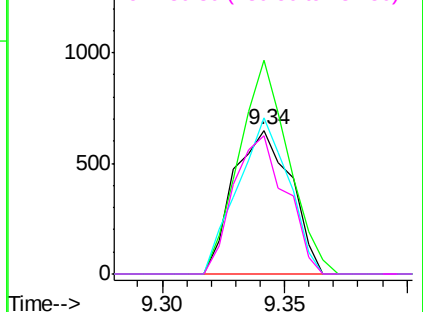


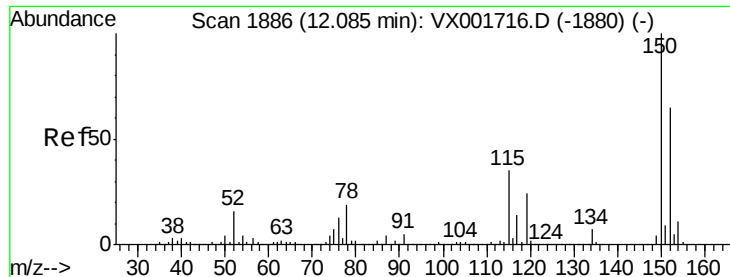
Abundance Ion 163.80 (163.50 to 164.50): V

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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001835.D

Acq: 18 May 2018 19:21

Instrument :

MSVOA_X

ClientSampleId :

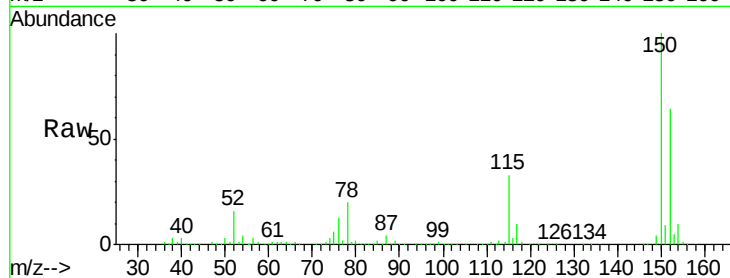
Tot Ion:152 Resp: 187019

Ion Ratio Lower Upper

152 100

115 51.6 37.4 112.2

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

300000

250000

200000

150000

100000

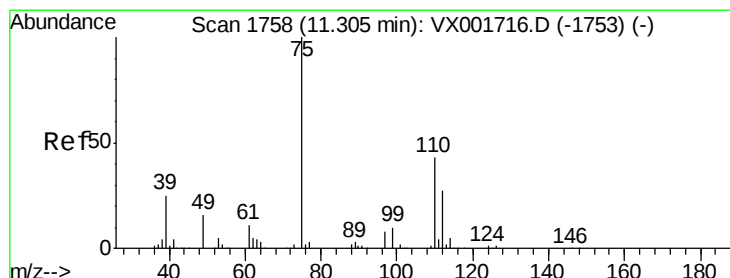
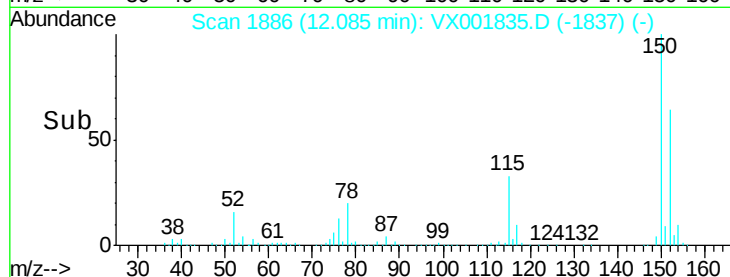
50000

0

12.00

12.10

Time-->



#76

1,2,3-Trichloropropane

Concen: 27.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.17 min

Lab File: VX001835.D

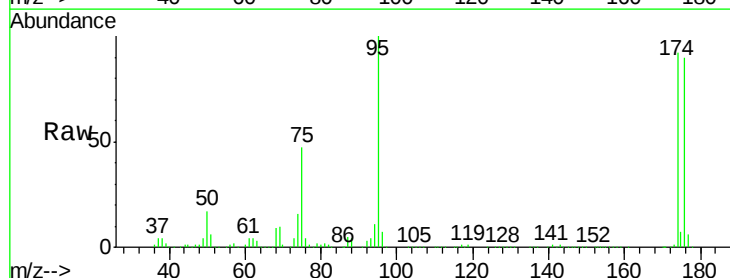
Acq: 18 May 2018 19:21

Tgt Ion: 75 Resp: 96922

Ion Ratio Lower Upper

75 100

77 1.2 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

80000

60000

40000

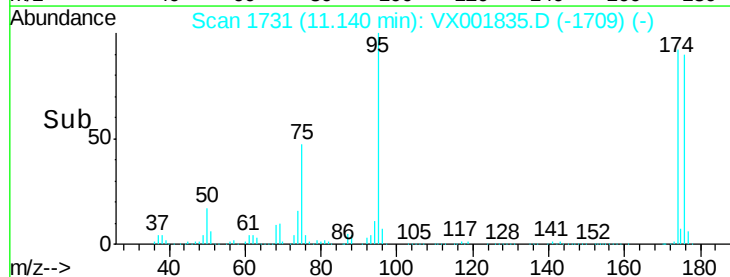
20000

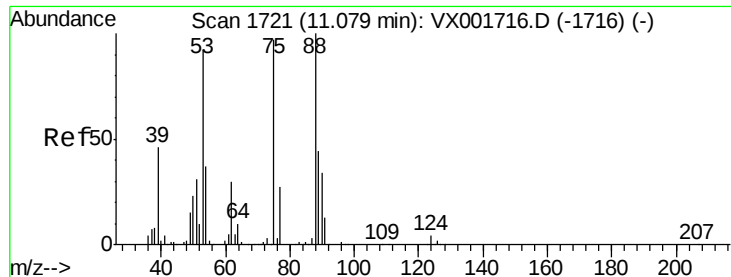
0

11.10

11.20

Time-->





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.15 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001835.D
 Acq: 18 May 2018 19:21

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 96922
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.4 119.2#
 89 0.0 38.8 58.2#

