

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX010319\
 Data File : VX006892.D
 Acq On : 03 Jan 2019 14:05
 Operator : JC/MD
 Sample : K1029-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B1 123118

Quant Time: Jan 04 00:20:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	676739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1030810	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	935481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	451924	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	353918	48.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.04%	
35) Dibromofluoromethane	5.51	113	311791	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
50) Toluene-d8	8.71	98	1198683	48.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.56%	
62) 4-Bromofluorobenzene	11.13	95	426265	47.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.72%	

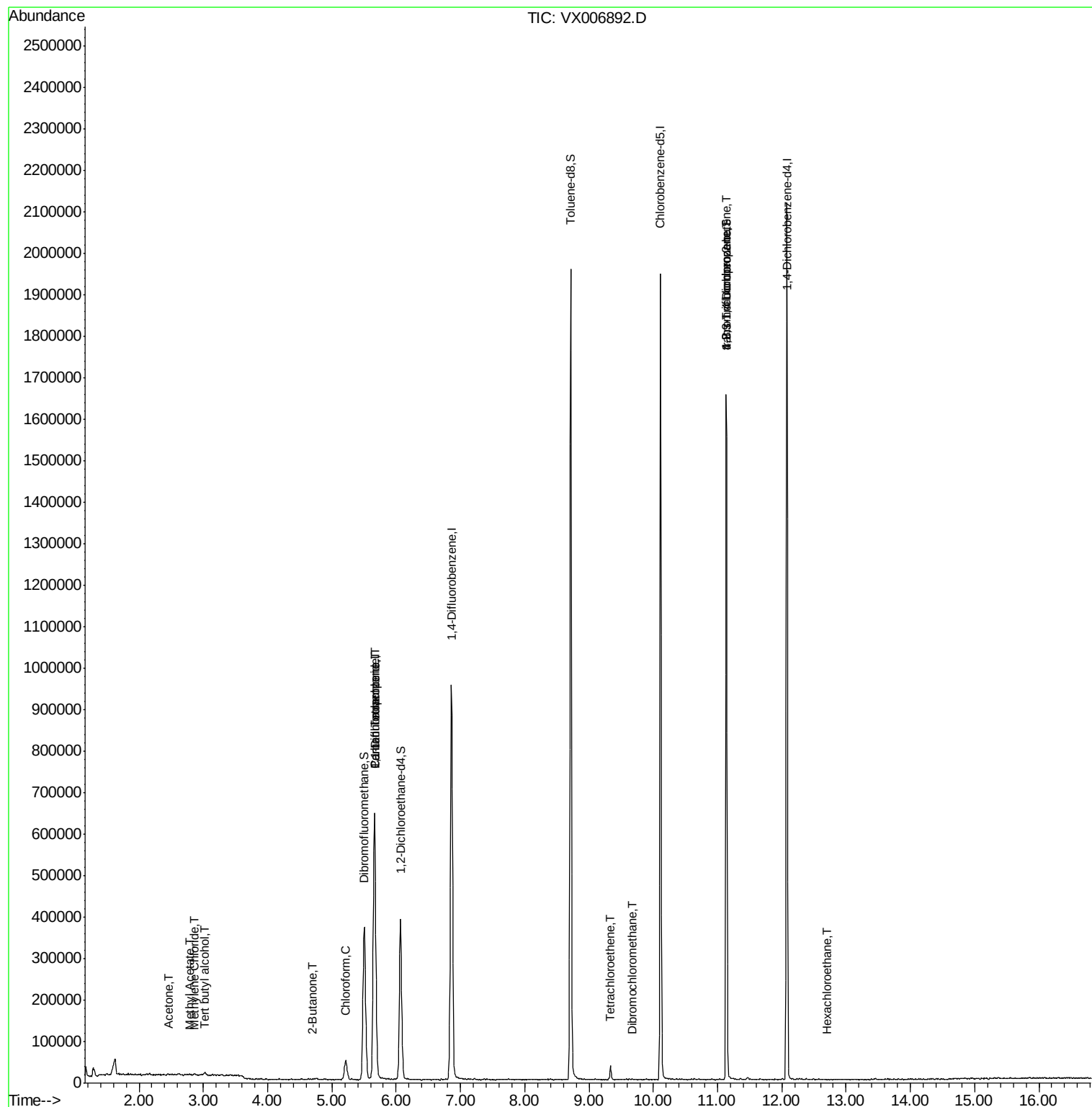
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1281	Below Cal	#	19
11) Tert butyl alcohol	3.01	59	3905	2.399	ug/l #	92
16) Acetone	2.45	43	4495	1.341	ug/l #	84
18) Methyl Acetate	2.78	43	2776	0.282	ug/l #	70
20) Methylene Chloride	2.85	84	1855	0.268	ug/l #	56
25) 2-Butanone	4.70	43	952	0.202	ug/l #	69
28) Bromochloromethane	5.02	49	218	Below Cal	#	85
30) Chloroform	5.21	83	54723	4.754	ug/l	93
36) 1,1-Dichloropropene	5.66	75	42851	5.019	ug/l #	49
38) Carbon Tetrachloride	5.67	117	60647	7.309	ug/l #	15
49) 1,4-Dioxane	7.76	88	140	Below Cal	#	1
60) Dibromochloromethane	9.66	129	225	2.354	ug/l	80
64) Tetrachloroethene	9.33	164	6049	0.817	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	202118	24.066	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	202118	71.271	ug/l #	10
90) Hexachloroethane	12.70	117	49	3.304	ug/l	71

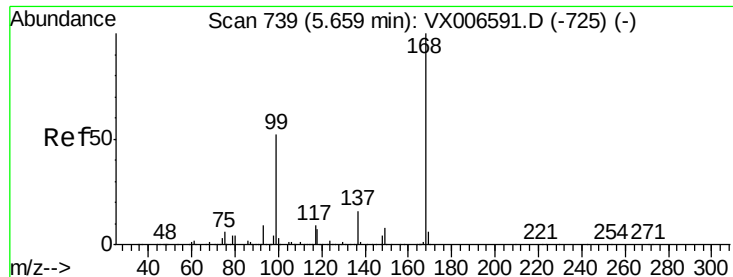
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 04 00:20:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006892.D

Acq: 03 Jan 2019 14:05

Instrument :

MSVOA_X

ClientSampled :

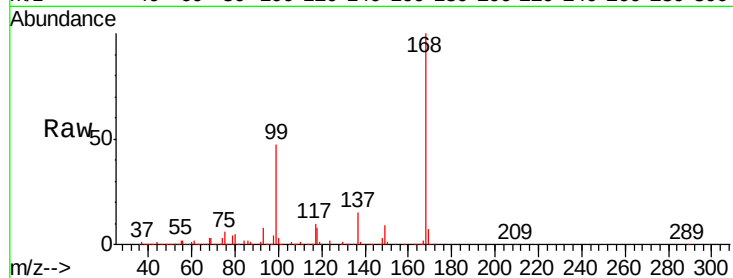
B1 123118

Tgt Ion:168 Resp: 676739

Ion Ratio Lower Upper

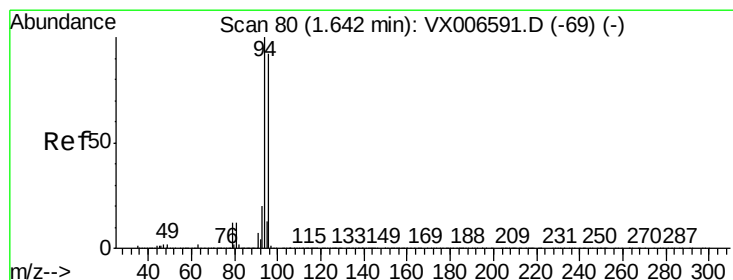
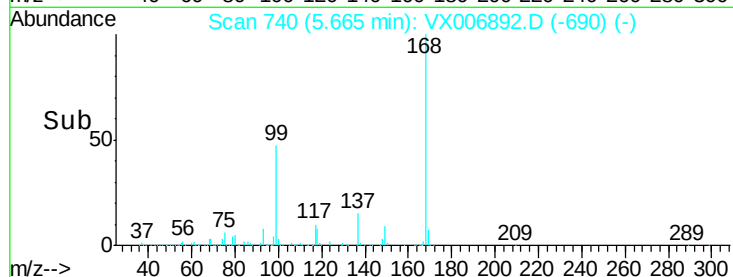
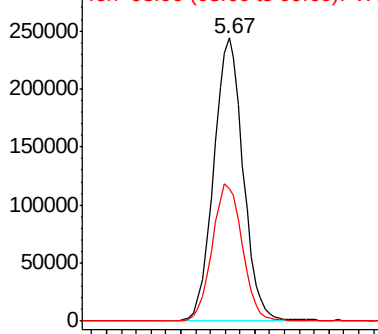
168 100

99 46.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006892.D

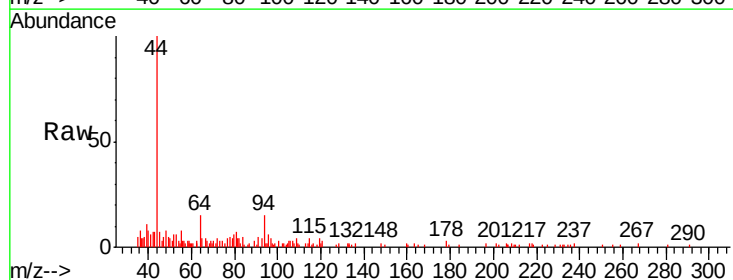
Acq: 03 Jan 2019 14:05

Tgt Ion: 94 Resp: 1281

Ion Ratio Lower Upper

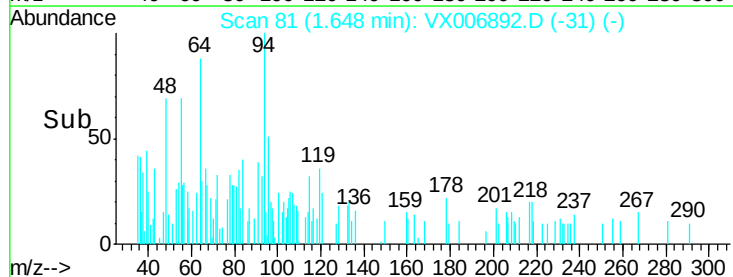
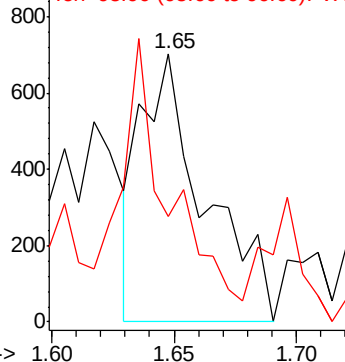
94 100

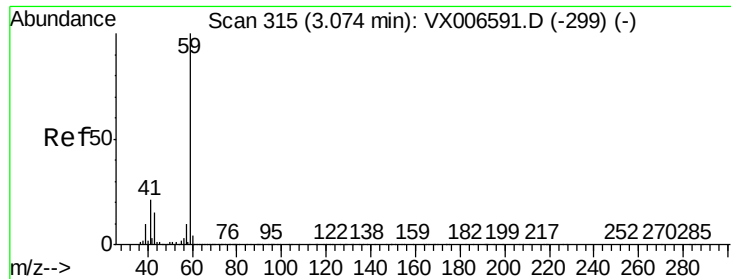
96 14.4 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

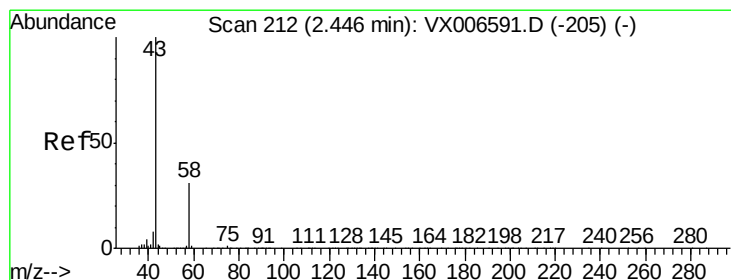
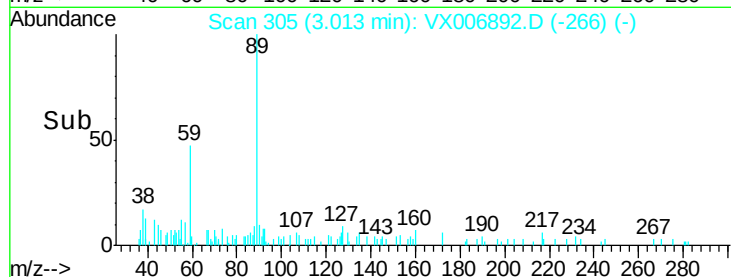
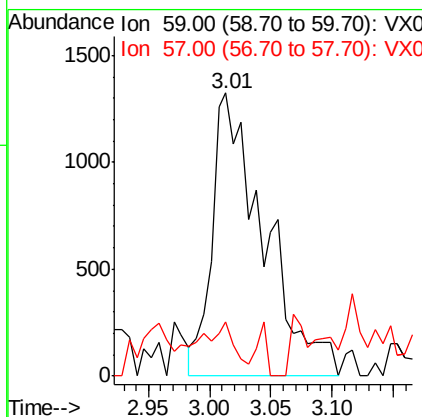
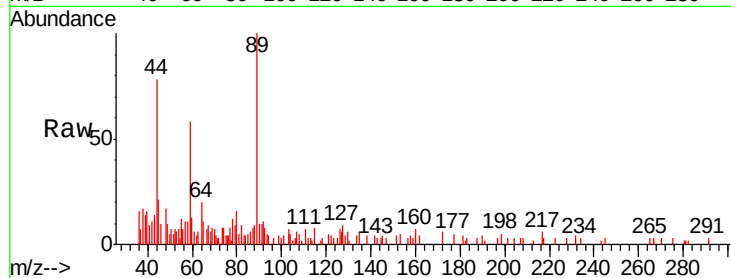




#11
Tert butyl alcohol
Concen: 2.399 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.06 min
Lab File: VX006892.D
Acq: 03 Jan 2019 14:05

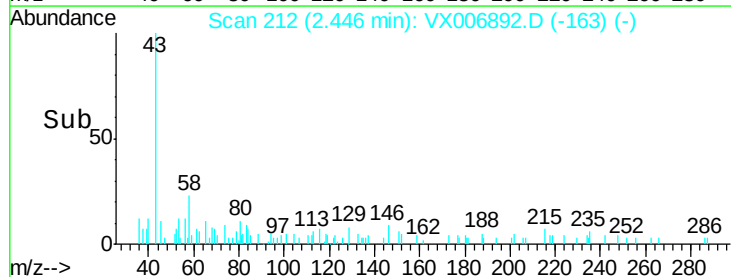
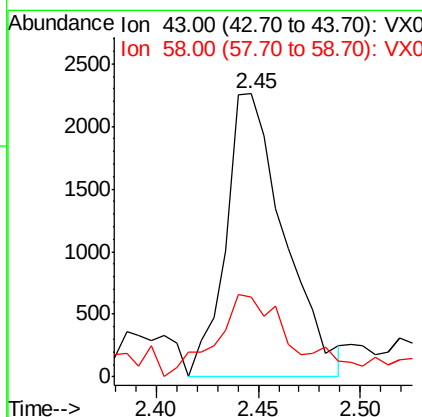
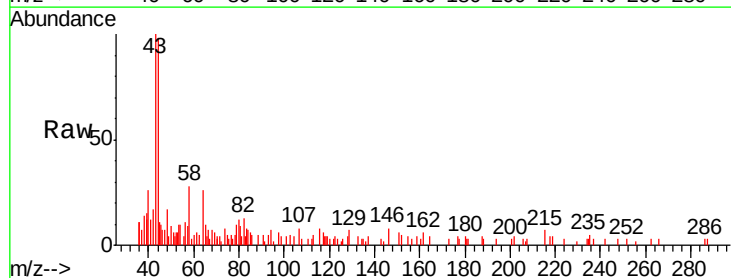
Instrument :
MSVOA_X
ClientSampled :
B1 123118

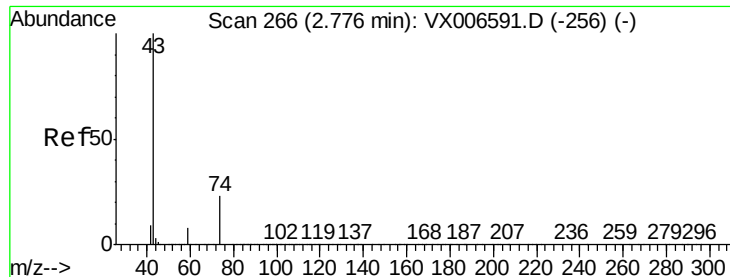
Tgt Ion: 59 Resp: 3905
Ion Ratio Lower Upper
59 100
57 7.6 8.5 12.7#



#16
Acetone
Concen: 1.341 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006892.D
Acq: 03 Jan 2019 14:05

Tgt Ion: 43 Resp: 4495
Ion Ratio Lower Upper
43 100
58 22.7 25.0 37.6#

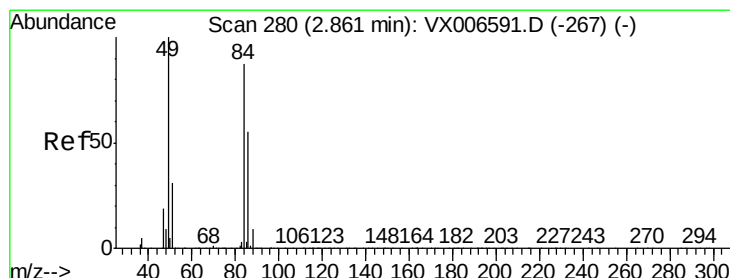
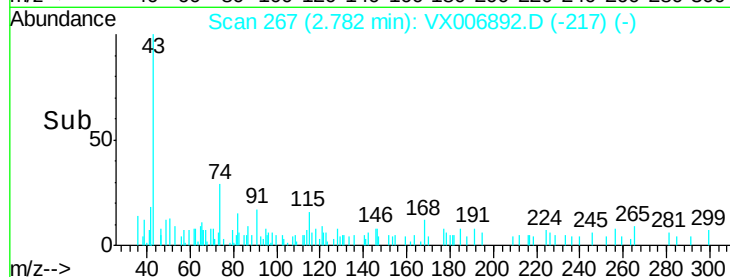
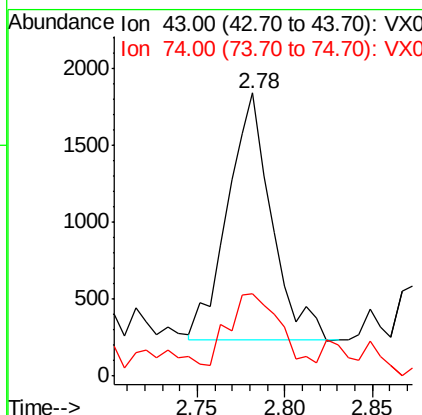
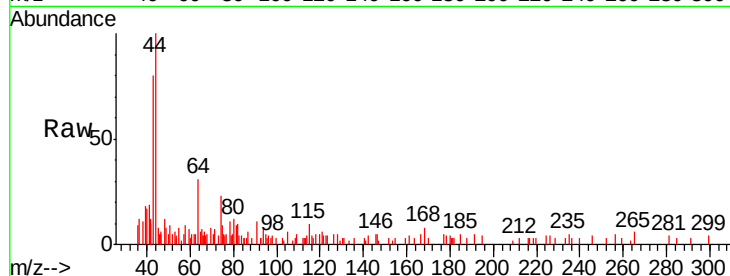




#18
Methyl Acetate
Concen: 0.282 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006892.D
Acq: 03 Jan 2019 14:05

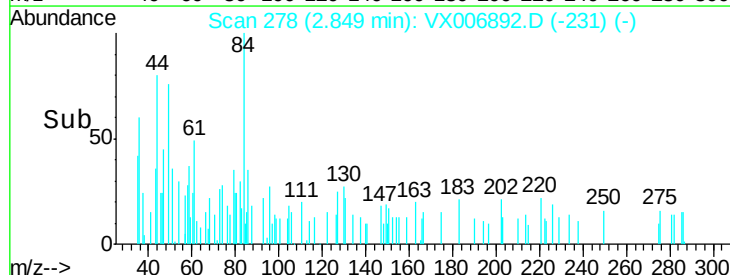
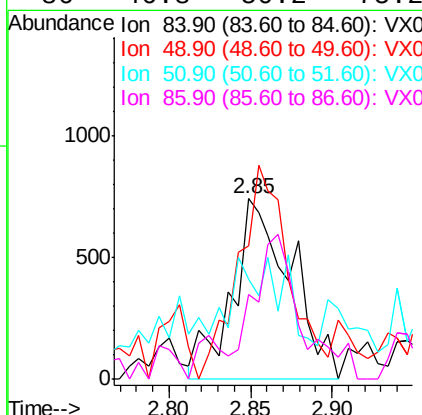
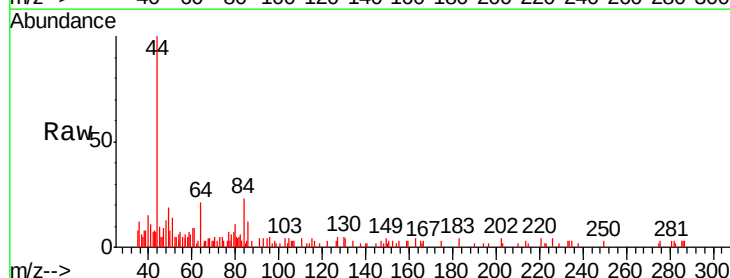
Instrument :
MSVOA_X
ClientSampleId :
B1_123118

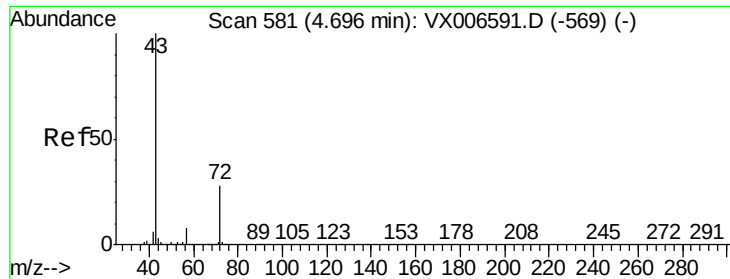
Tgt Ion: 43 Resp: 2776
Ion Ratio Lower Upper
43 100
74 38.0 18.6 28.0#



#20
Methylene Chloride
Concen: 0.268 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX006892.D
Acq: 03 Jan 2019 14:05

Tgt Ion: 84 Resp: 1855
Ion Ratio Lower Upper
84 100
49 40.9 91.8 137.6#
51 30.5 28.5 42.7
86 46.8 50.2 75.2#





#25

2-Butanone

Concen: 0.202 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX006892.D

Acq: 03 Jan 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

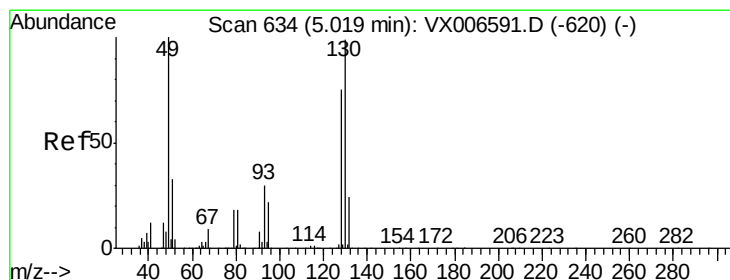
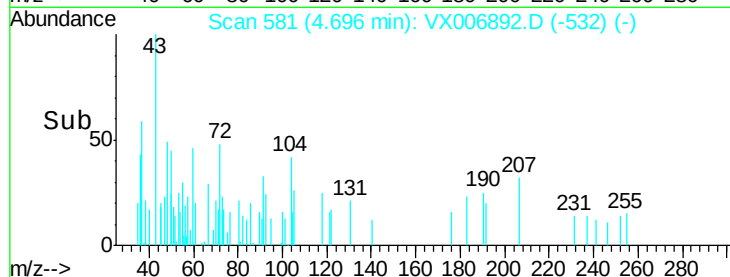
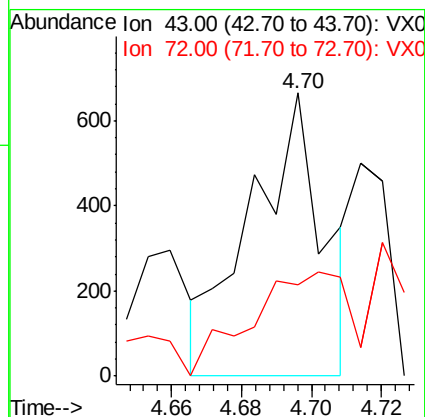
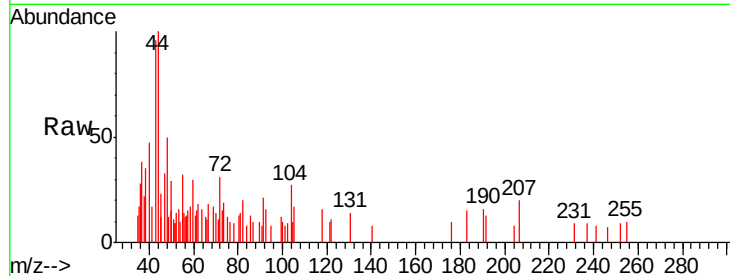
B1_123118

Tgt Ion: 43 Resp: 952

Ion Ratio Lower Upper

43 100

72 44.1 22.4 33.6#



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX006892.D

Acq: 03 Jan 2019 14:05

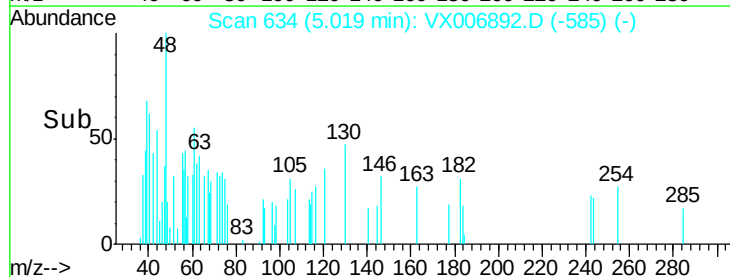
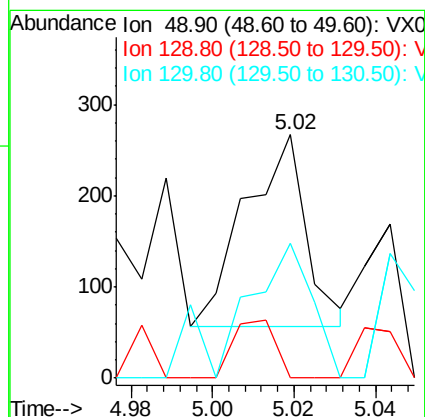
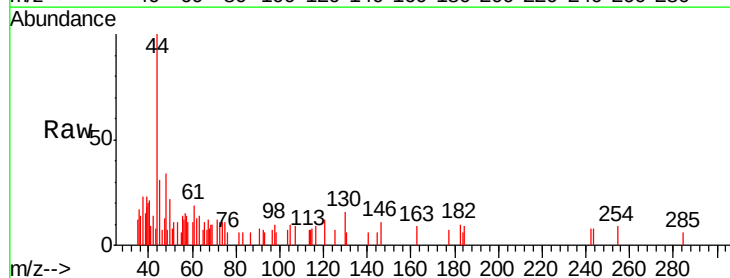
Tgt Ion: 49 Resp: 218

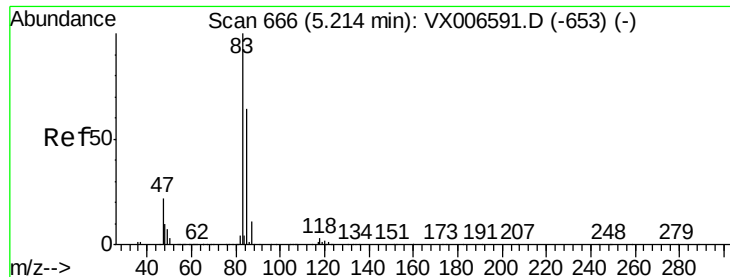
Ion Ratio Lower Upper

49 100

129 20.6 0.0 5.4#

130 83.0 77.7 116.5

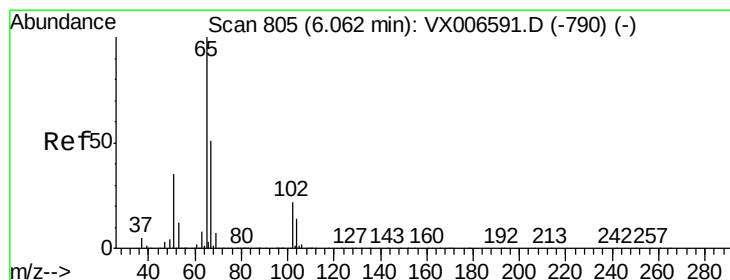
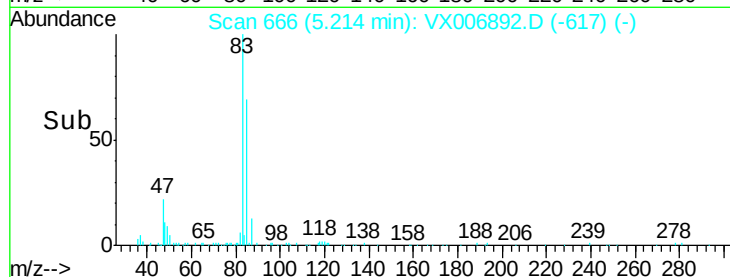
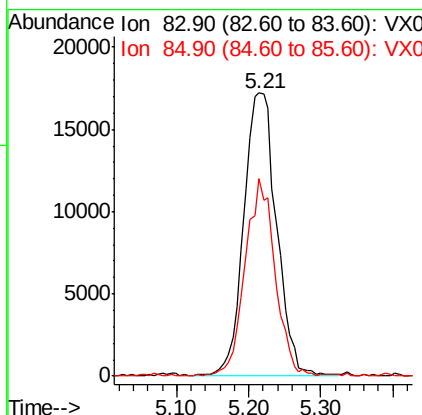
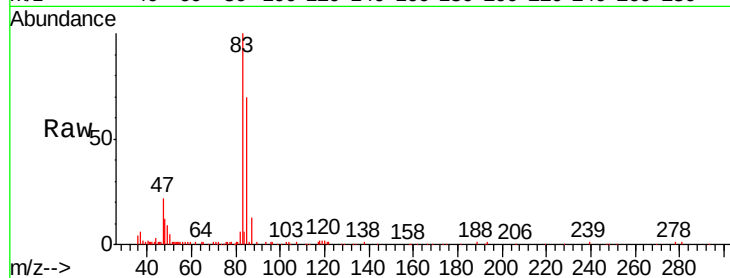




#30
Chloroform
Concen: 4.754 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006892.D
Acq: 03 Jan 2019 14:05

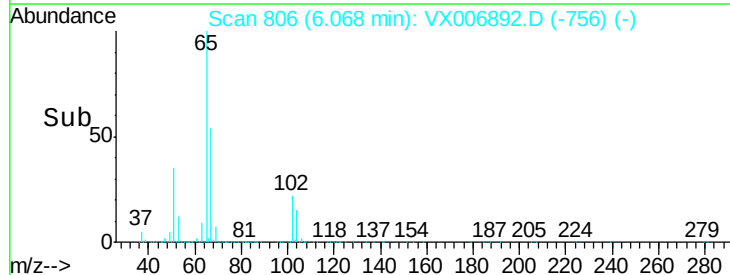
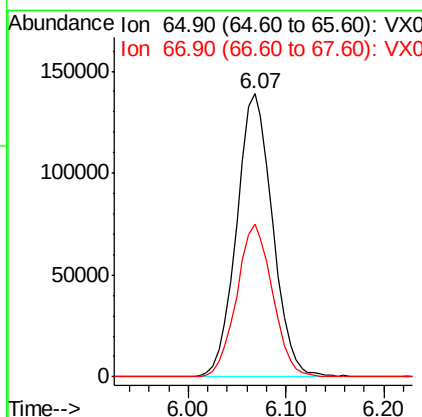
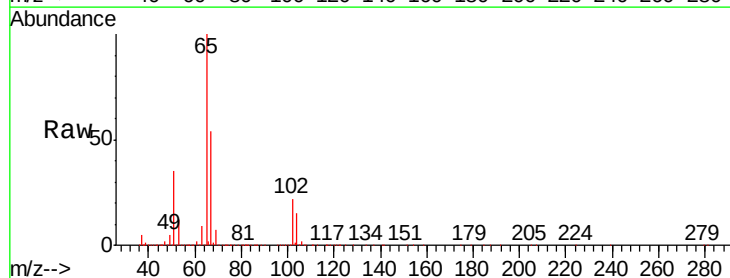
Instrument :
MSVOA_X
ClientSampleId :
B1_123118

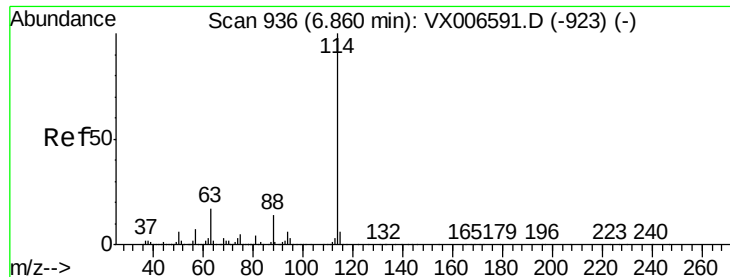
Tgt Ion: 83 Resp: 54723
Ion Ratio Lower Upper
83 100
85 69.7 51.2 76.8



#33
1,2-Dichloroethane-d4
Concen: 48.524 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006892.D
Acq: 03 Jan 2019 14:05

Tgt Ion: 65 Resp: 353918
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006892.D

Acq: 03 Jan 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

B1_123118

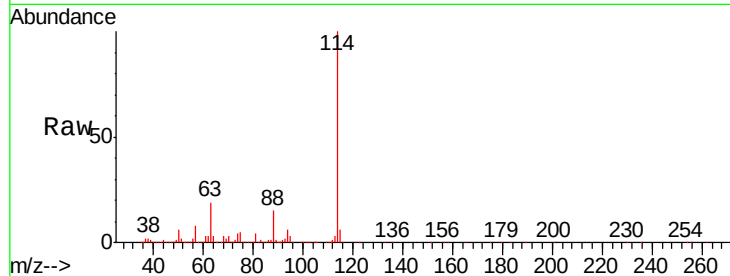
Tgt Ion:114 Resp: 1030810

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

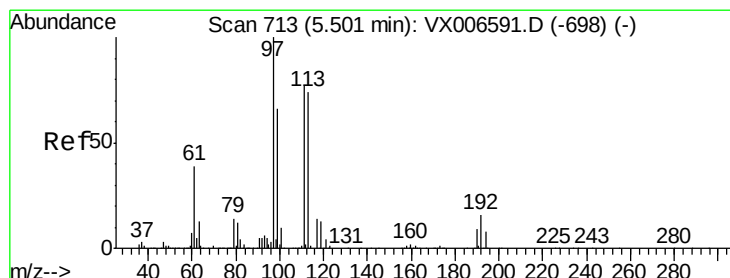
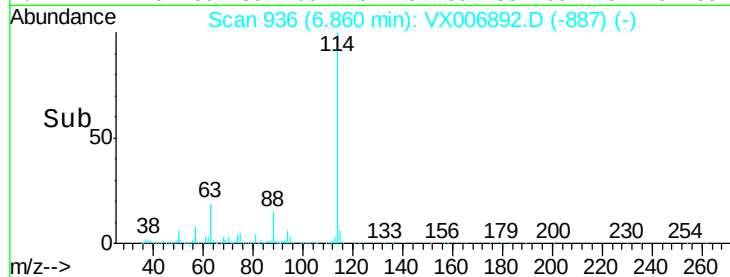
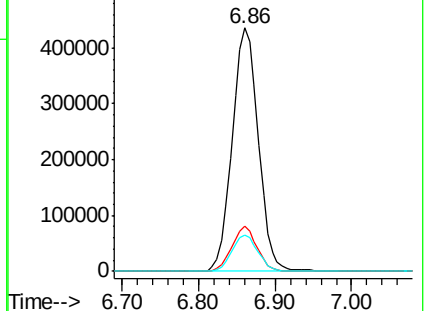
88 15.1 0.0 28.8



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



#35

Dibromofluoromethane

Concen: 47.831 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006892.D

Acq: 03 Jan 2019 14:05

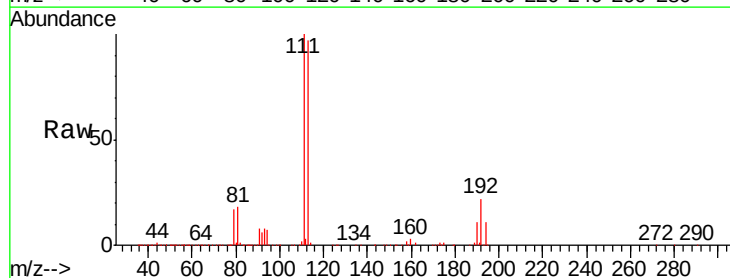
Tgt Ion:113 Resp: 311791

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

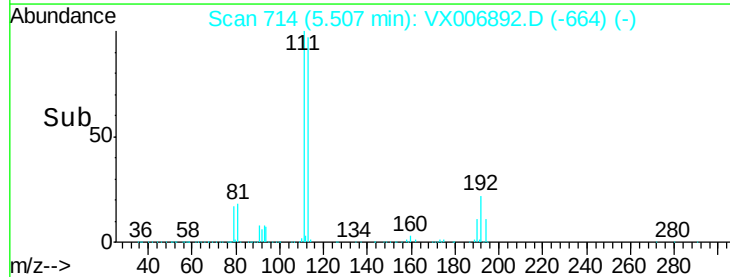
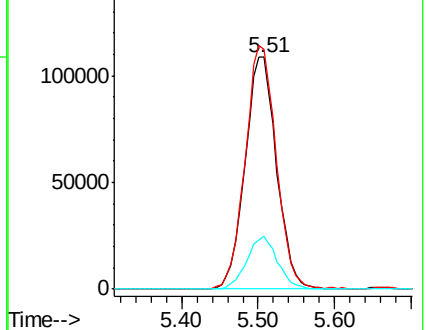
192 22.1 16.7 25.1

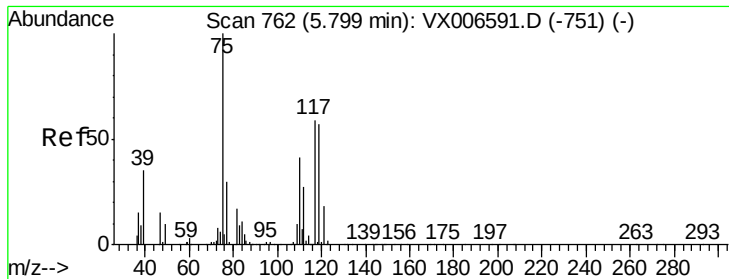


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.019 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006892.D

Acq: 03 Jan 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

B1_123118

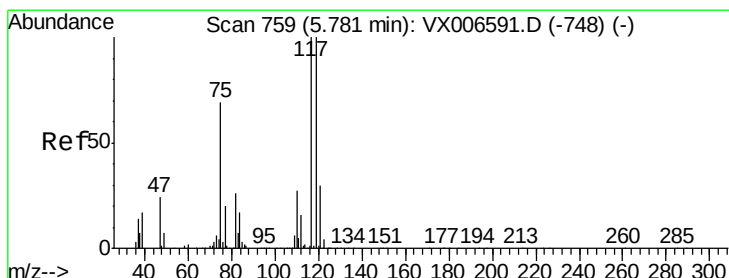
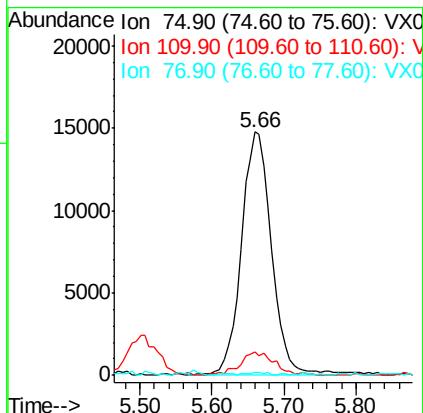
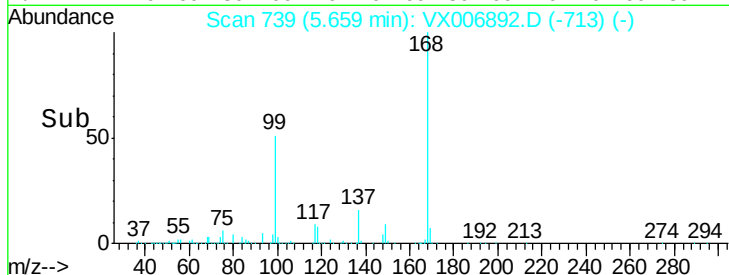
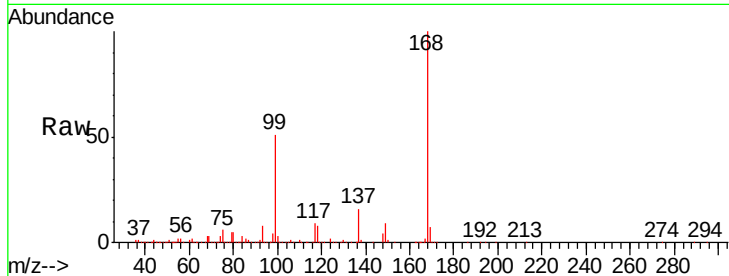
Tgt Ion: 75 Resp: 42851

Ion Ratio Lower Upper

75 100

110 10.8 20.2 60.5#

77 0.8 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.309 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006892.D

Acq: 03 Jan 2019 14:05

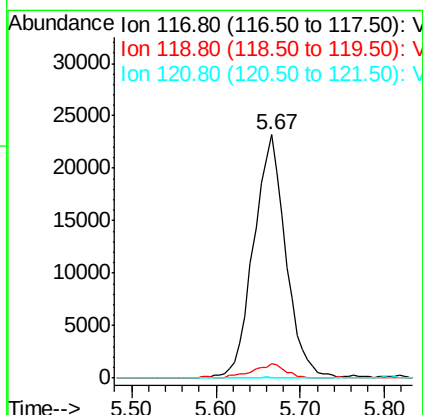
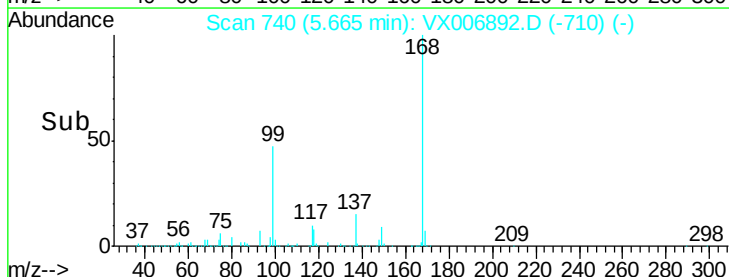
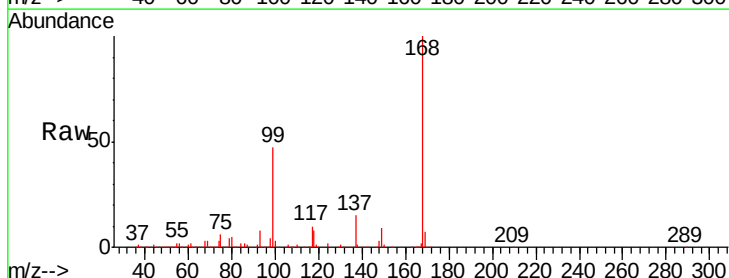
Tgt Ion: 117 Resp: 60647

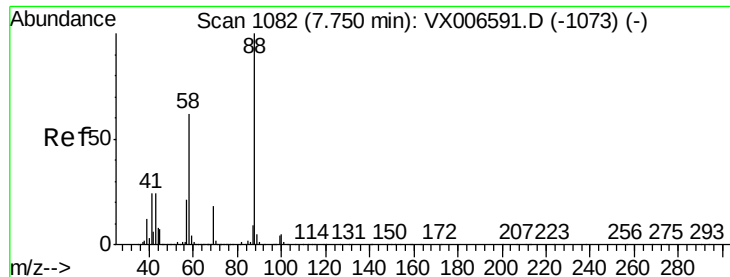
Ion Ratio Lower Upper

117 100

119 6.1 79.4 119.2#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006892.D

Acq: 03 Jan 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

B1_123118

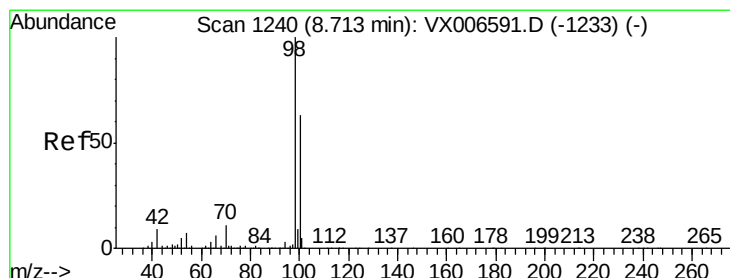
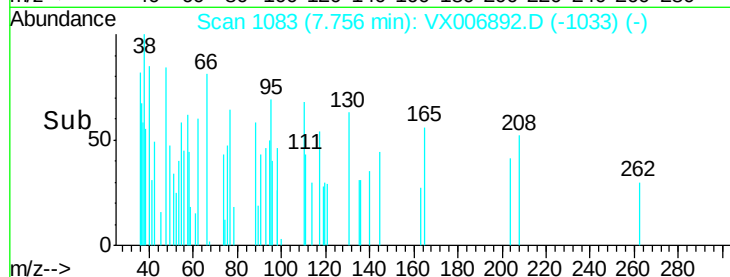
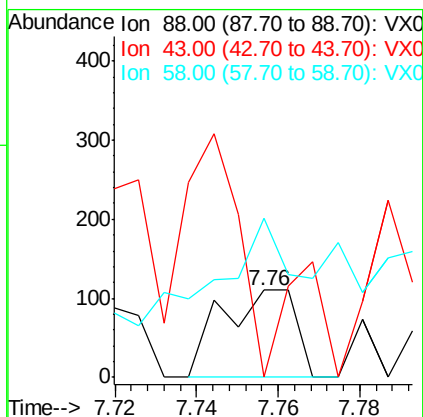
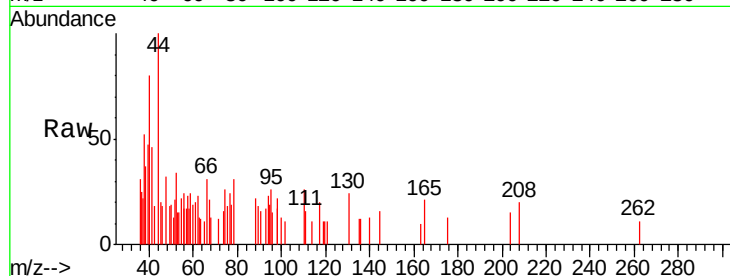
Tgt Ion: 88 Resp: 140

Ion Ratio Lower Upper

88 100

43 198.6 22.2 33.4#

58 125.0 51.0 76.4#



#50

Toluene-d8

Concen: 48.775 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006892.D

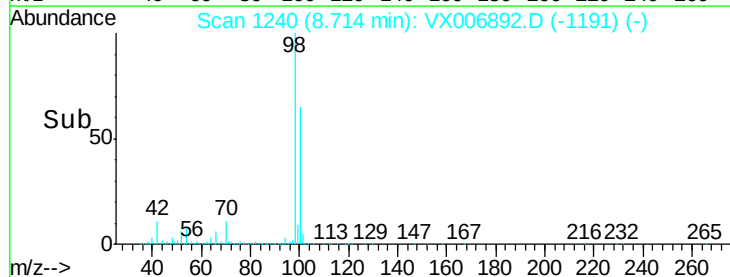
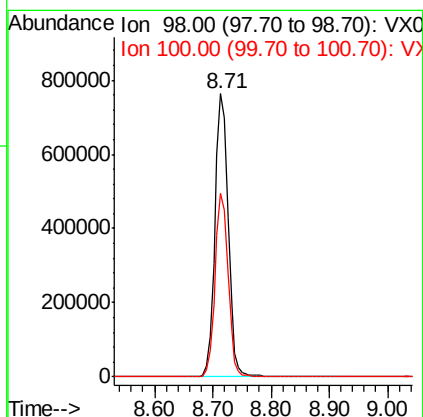
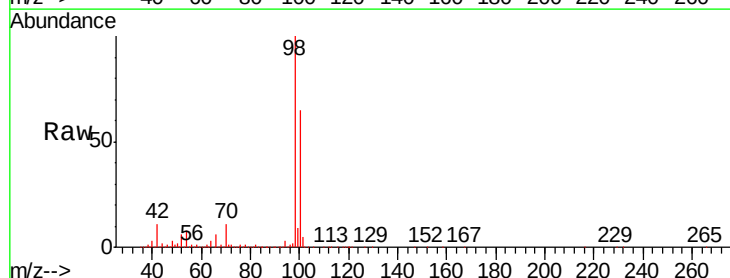
Acq: 03 Jan 2019 14:05

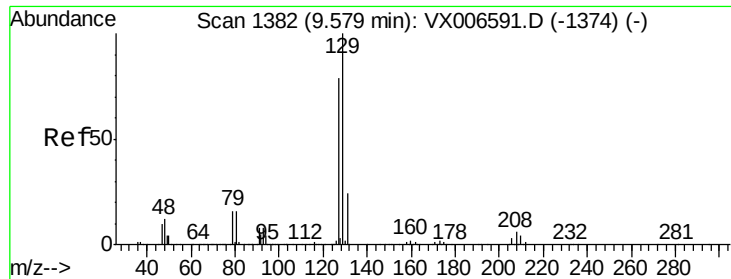
Tgt Ion: 98 Resp: 1198683

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0





#60

Dibromochloromethane

Concen: 2.354 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. 0.09 min

Lab File: VX006892.D

Acq: 03 Jan 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

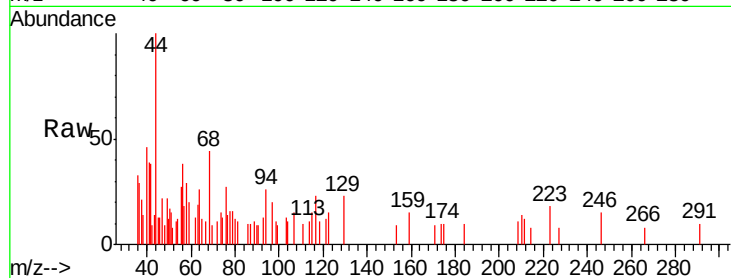
B1 123118

Tgt Ion:129 Resp: 225

Ion Ratio Lower Upper

129 100

127 96.0 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

200

150

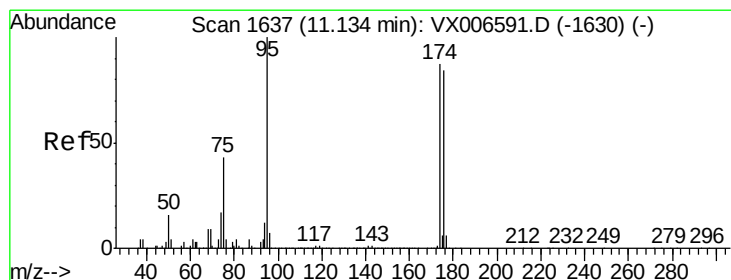
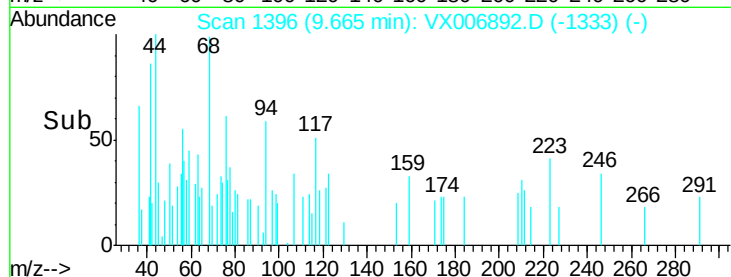
100

50

0

9.62 9.64 9.66 9.68 9.70

Time-->



#62

4-Bromofluorobenzene

Concen: 47.360 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006892.D

Acq: 03 Jan 2019 14:05

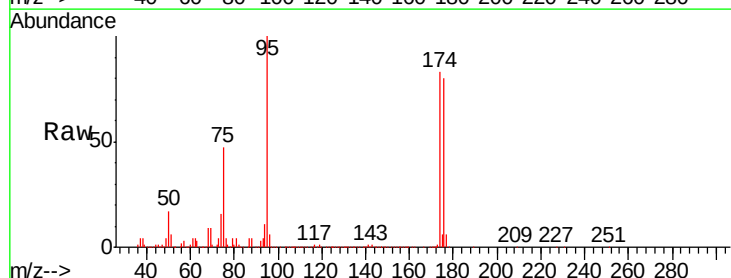
Tgt Ion: 95 Resp: 426265

Ion Ratio Lower Upper

95 100

174 91.1 0.0 182.2

176 88.8 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

400000

300000

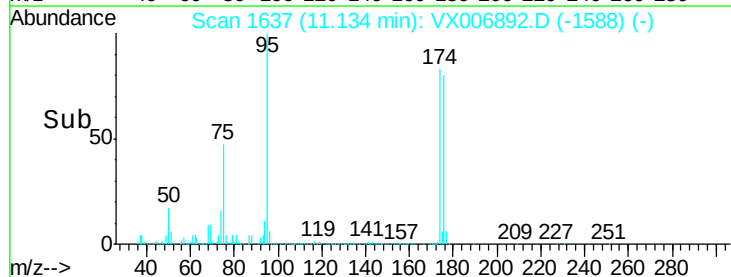
200000

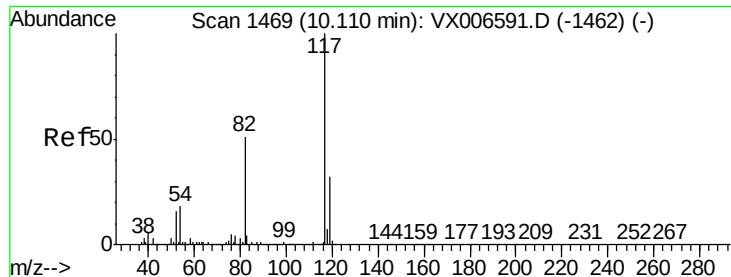
100000

0

11.00 11.10 11.20 11.30

Time-->

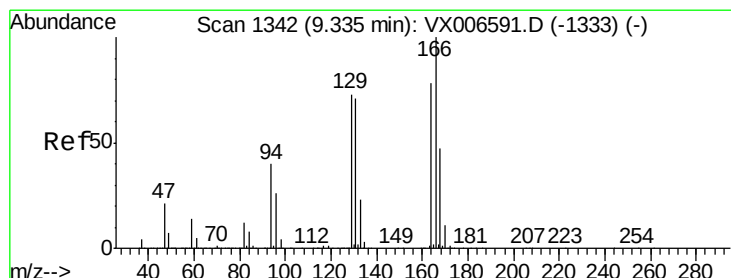
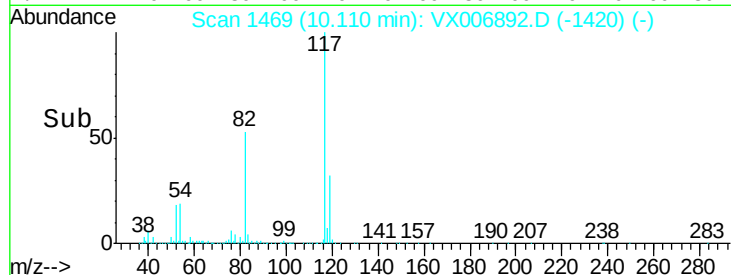
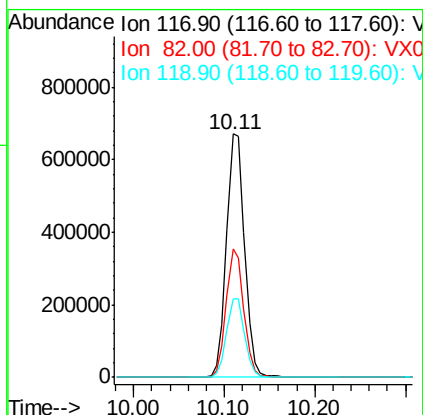
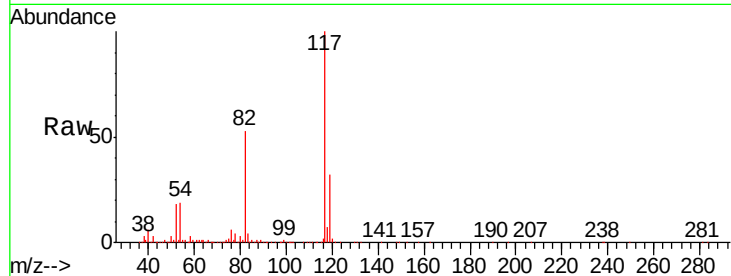




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006892.D
Acq: 03 Jan 2019 14:05

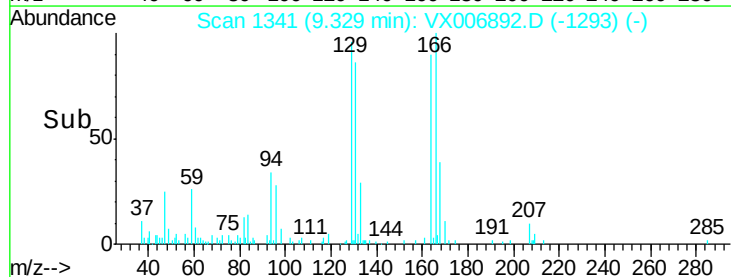
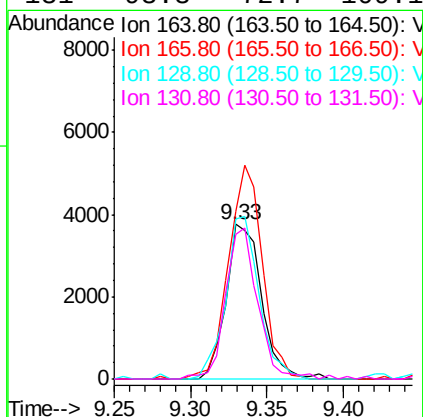
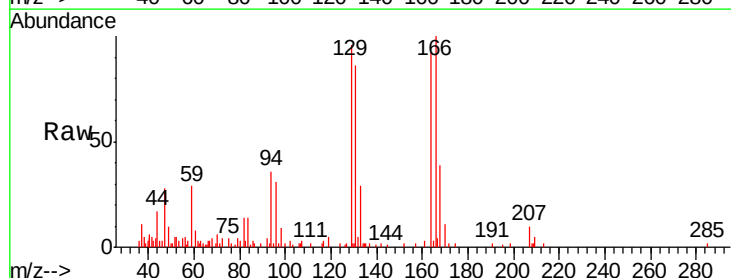
Instrument :
MSVOA_X
ClientSampleId :
B1_123118

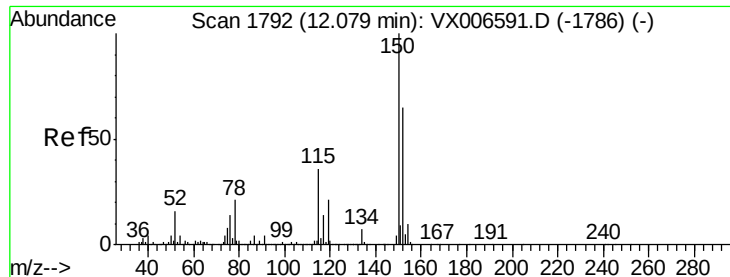
Tgt Ion:117 Resp: 935481
Ion Ratio Lower Upper
117 100
82 52.5 41.0 61.6
119 32.1 25.4 38.0



#64
Tetrachloroethene
Concen: 0.817 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX006892.D
Acq: 03 Jan 2019 14:05

Tgt Ion:164 Resp: 6049
Ion Ratio Lower Upper
164 100
166 108.3 102.5 153.7
129 103.7 75.1 112.7
131 93.3 72.7 109.1



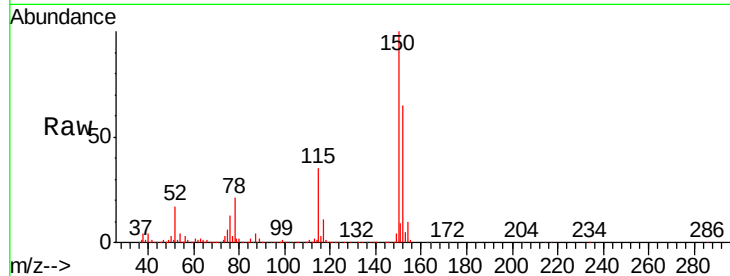


#72

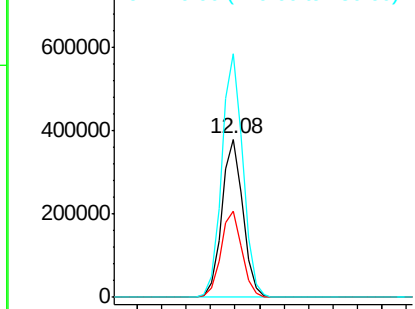
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006892.D
Acq: 03 Jan 2019 14:05

Instrument :
MSVOA_X
ClientSampleId :
B1_123118

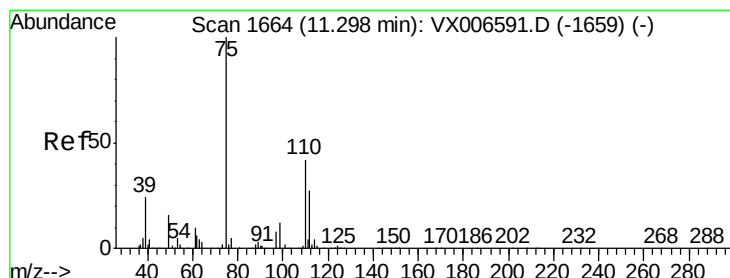
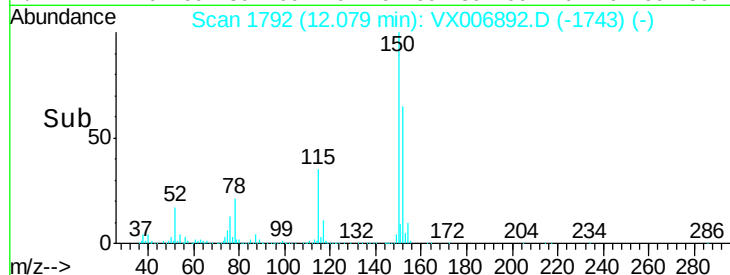
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	39.1	117.2
150	155.1	0.0	344.8



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



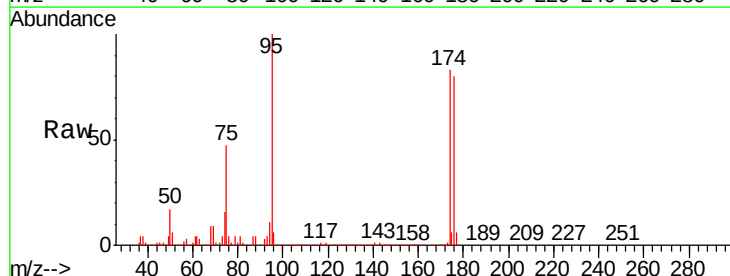
Time-->



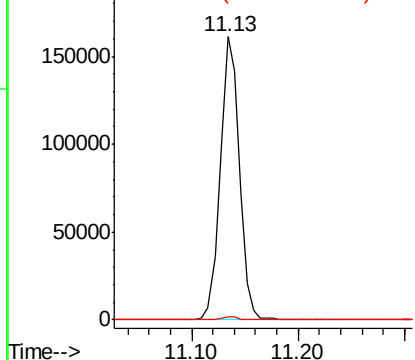
#76

1,2,3-Trichloropropane
Concen: 24.066 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006892.D
Acq: 03 Jan 2019 14:05

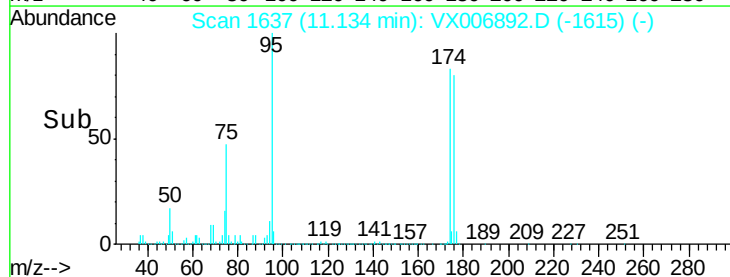
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	18.5	55.5#

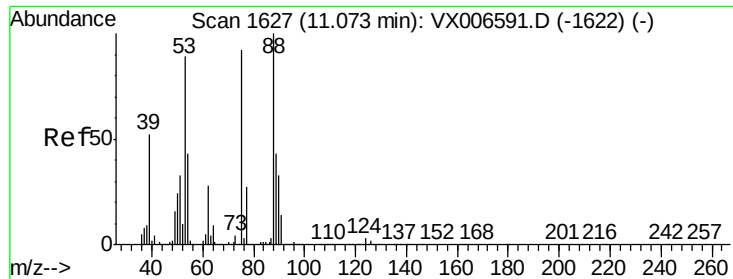


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0



Time-->

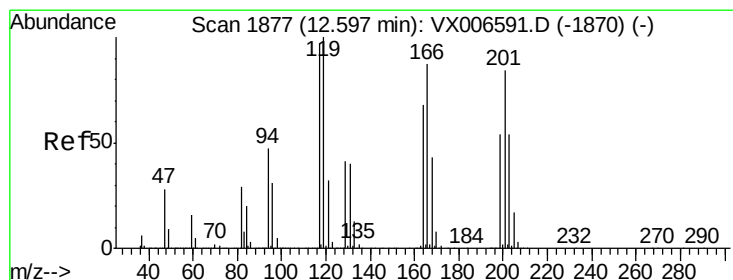
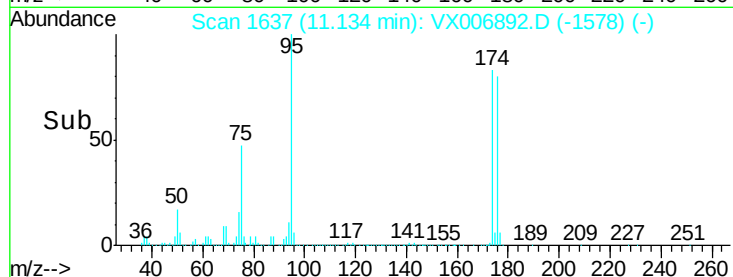
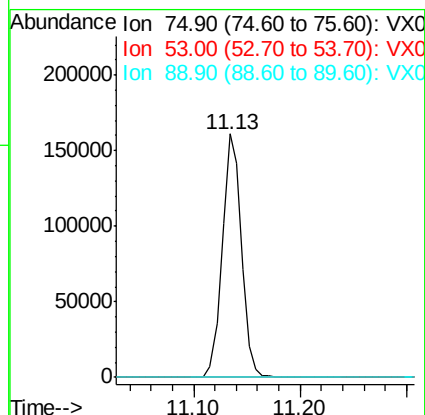
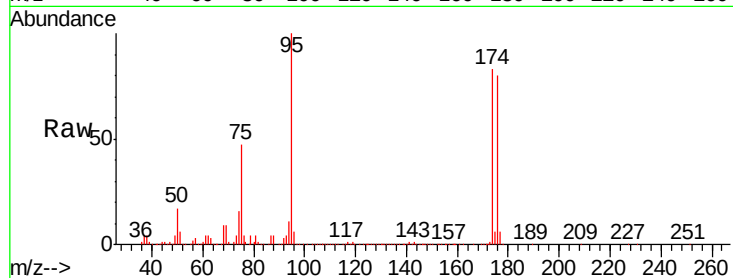




#81
trans-1,4-Dichloro-2-butene
Concen: 71.271 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006892.D
Acq: 03 Jan 2019 14:05

Instrument :
MSVOA_X
ClientSampleId :
B1_123118

Tgt Ion: 75 Resp: 202118
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.0 38.0 57.0#



#90
Hexachloroethane
Concen: 3.304 ug/l
RT: 12.70 min Scan# 1894
Delta R.T. 0.10 min
Lab File: VX006892.D
Acq: 03 Jan 2019 14:05

Tgt Ion: 117 Resp: 49
Ion Ratio Lower Upper
117 100
201 112.2 42.9 128.7

