

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018149.D
 Acq On : 31 Aug 2020 15:53
 Operator : JC/SP
 Sample : L3831-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-140B-20200827

Quant Time: Sep 01 05:31:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	521732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	844495	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	775116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	367260	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	355603	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
35) Dibromofluoromethane	5.47	113	285084	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	8.70	98	1011619	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
62) 4-Bromofluorobenzene	11.12	95	368295	43.70	ug/l	0.00
Spiked Amount			Recovery	=	87.40%	

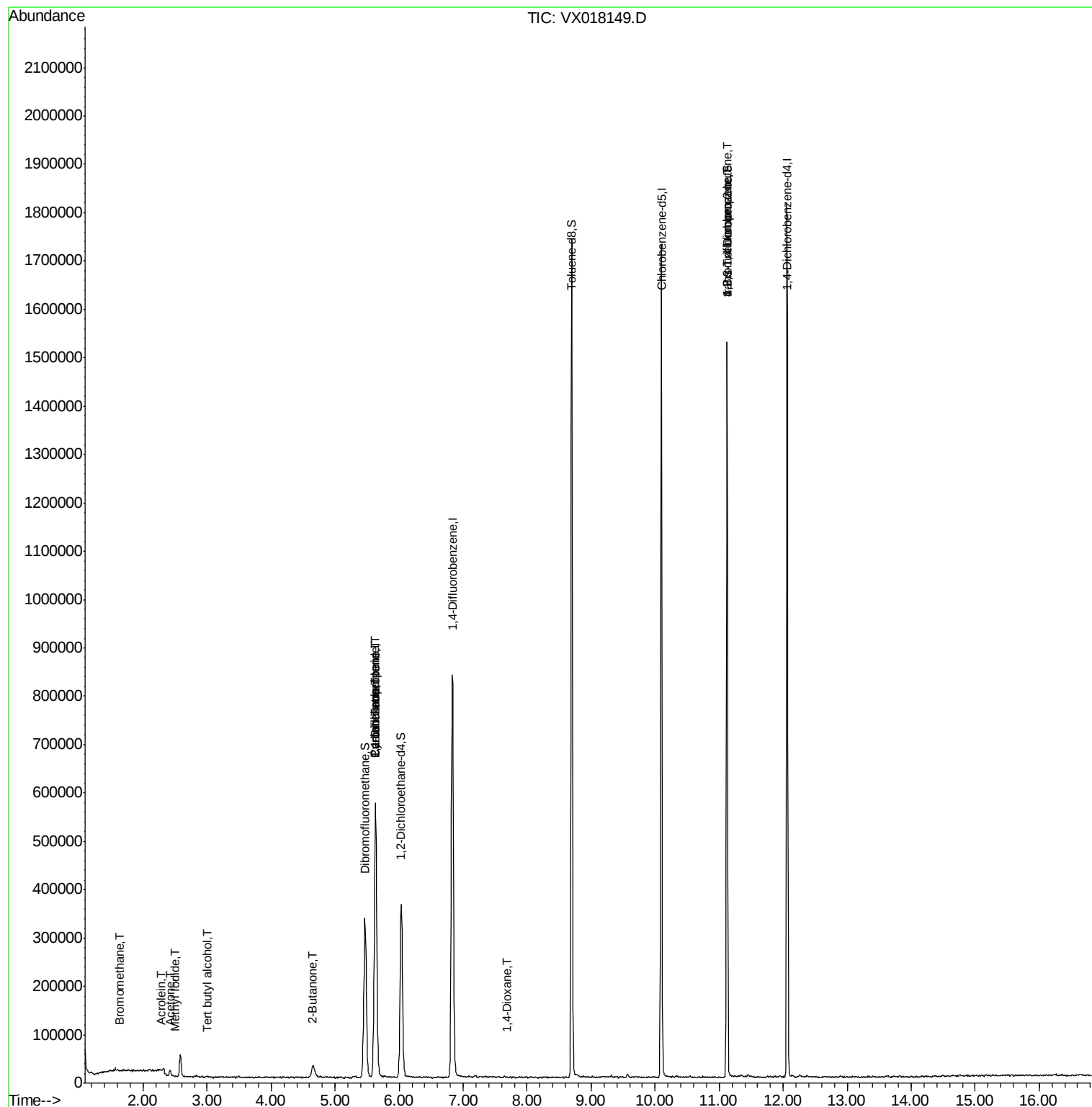
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1155	0.359	ug/l #	64
10) Methyl Iodide	2.49	142	222	5.324	ug/l #	55
11) Tert butyl alcohol	3.00	59	499	0.354	ug/l #	1
13) Acrolein	2.29	56	1306	2.237	ug/l #	14
16) Acetone	2.42	43	13429	4.758	ug/l	96
20) Methylene Chloride	2.83	84	1866	Below Cal	#	48
25) 2-Butanone	4.64	43	1412	0.304	ug/l #	85
31) Cyclohexane	5.63	56	11514	1.328	ug/l #	22
36) 1,1-Dichloropropene	5.63	75	38763	4.977	ug/l #	52
38) Carbon Tetrachloride	5.64	117	53761	6.124	ug/l #	17
49) 1,4-Dioxane	7.68	88	163	1.237	ug/l #	14
76) 1,2,3-Trichloropropane	11.12	75	188988	23.132	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	188988	62.477	ug/l #	12

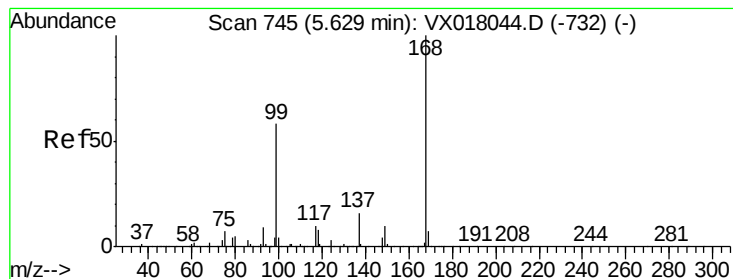
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX083120\
Data File : VX018149.D
Acq On : 31 Aug 2020 15:53
Operator : JC/SP
Sample : L3831-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20200827

Quant Time: Sep 01 05:31:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018149.D

Acq: 31 Aug 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

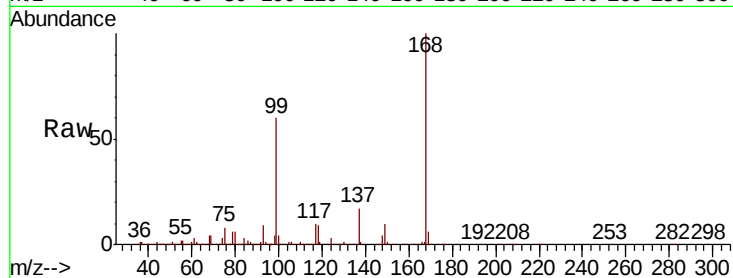
MH-140B-20200827

Tot Ion:168 Resp: 521732

Ion Ratio Lower Upper

168 100

99 59.5 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

150000

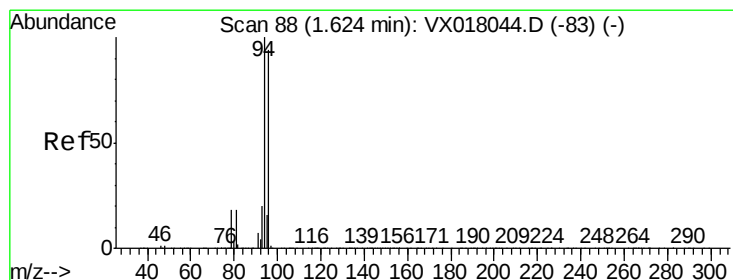
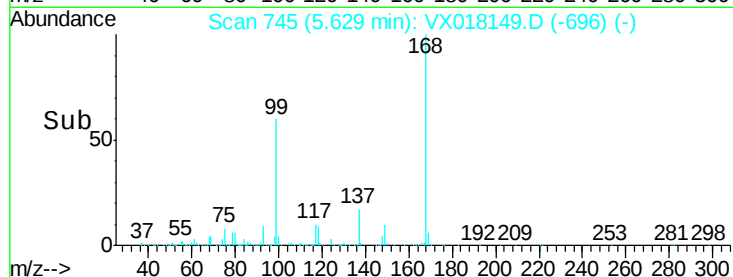
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.359 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018149.D

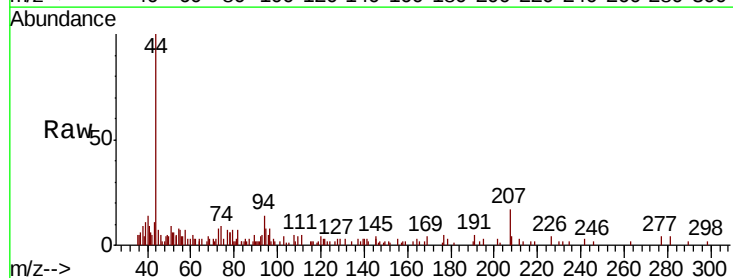
Acq: 31 Aug 2020 15:53

Tgt Ion: 94 Resp: 1155

Ion Ratio Lower Upper

94 100

96 58.4 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

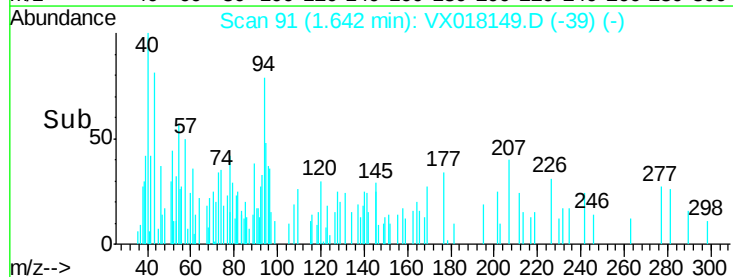
400

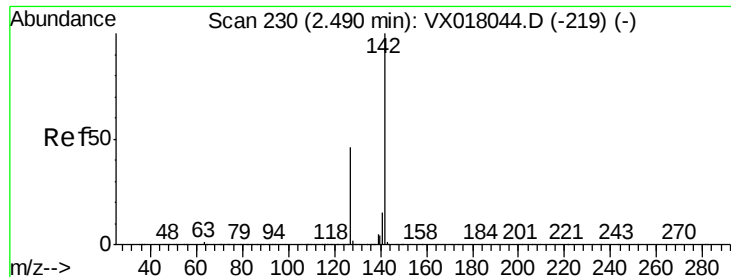
200

0

1.60 1.65

Time-->

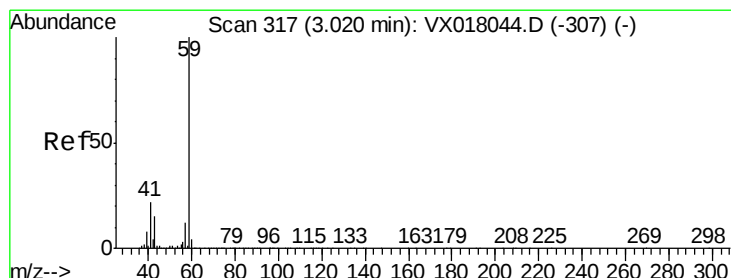
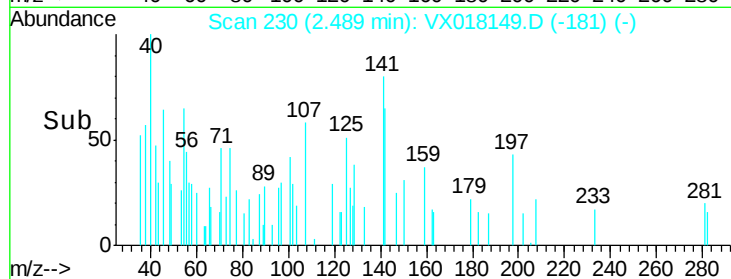
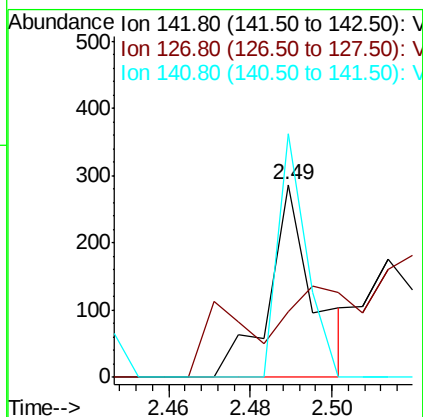
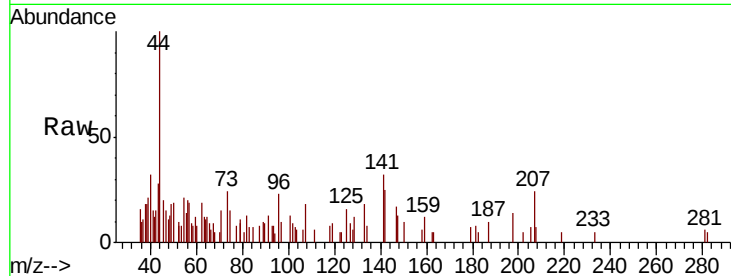




#10
Methvl Iodide
Concen: 5.324 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX018149.D
Acq: 31 Aug 2020 15:53

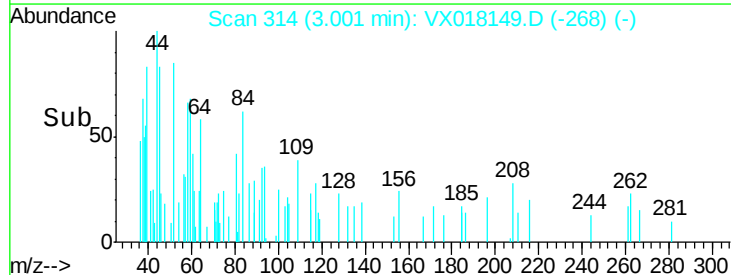
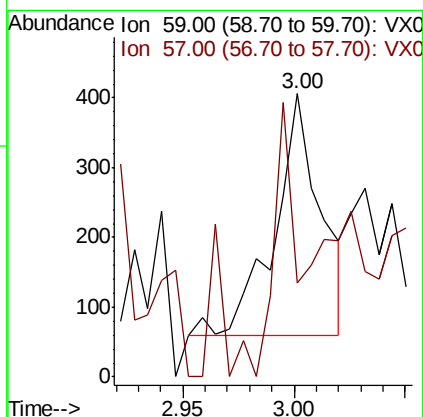
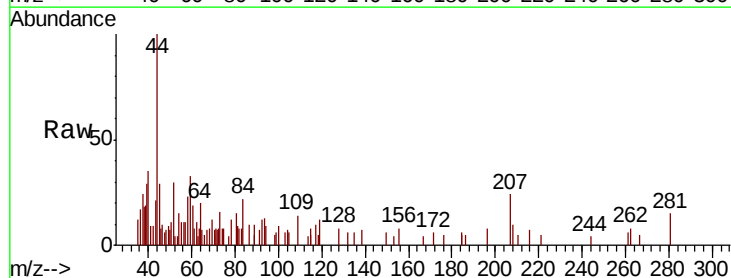
Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20200827

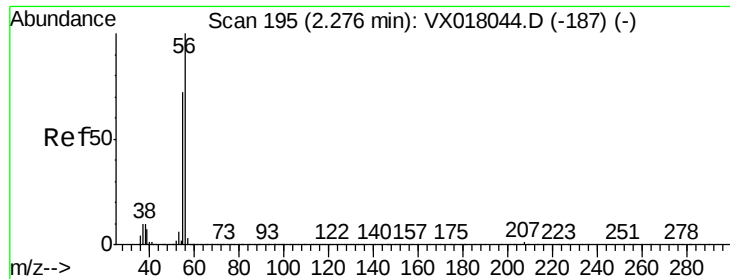
Tot Ion:142 Resp: 222
Ion Ratio Lower Upper
142 100
127 40.5 37.0 55.6
141 80.6 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.354 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018149.D
Acq: 31 Aug 2020 15:53

Tgt Ion: 59 Resp: 499
Ion Ratio Lower Upper
59 100
57 58.9 8.9 13.3#

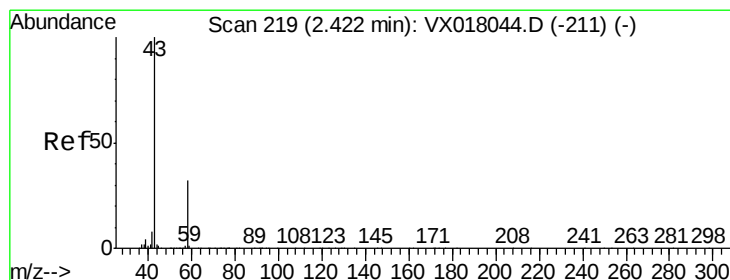
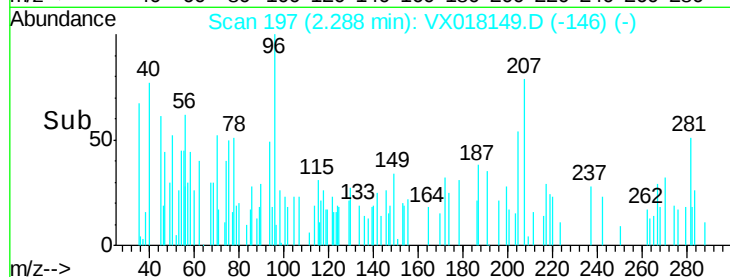
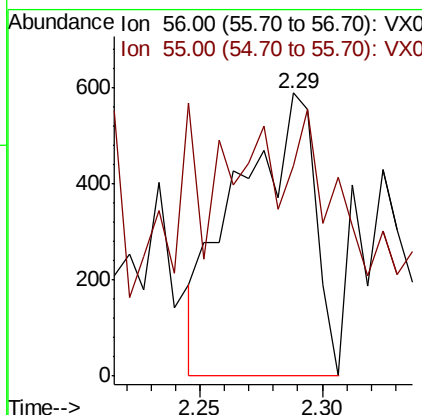
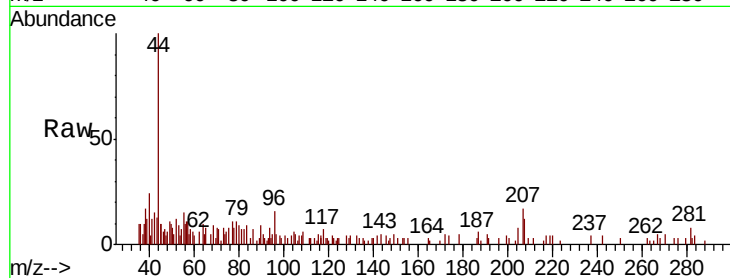




#13
Acrolein
Concen: 2.237 ug/l
RT: 2.29 min Scan# 197
Delta R.T. 0.01 min
Lab File: VX018149.D
Acq: 31 Aug 2020 15:53

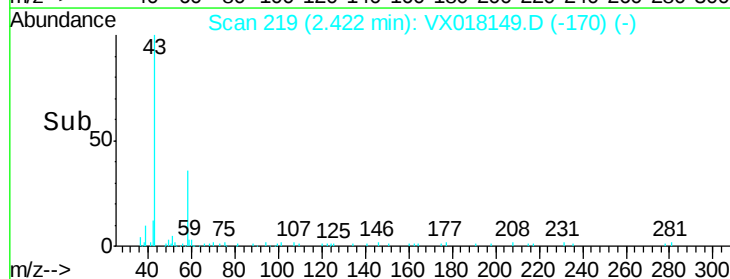
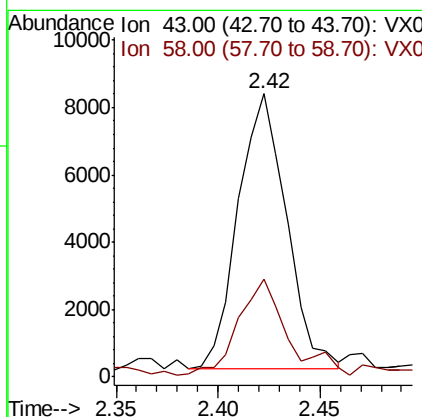
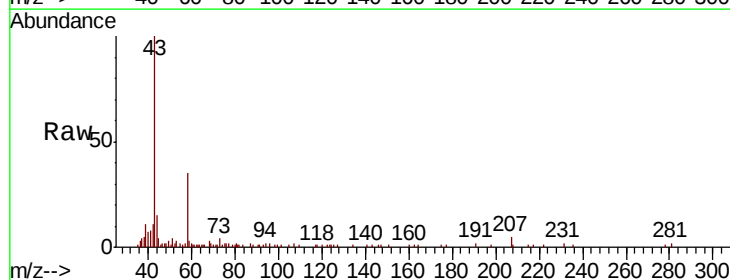
Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20200827

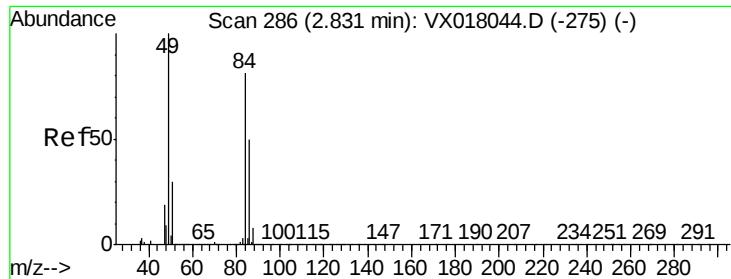
Tot Ion: 56 Resp: 1306
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#



#16
Acetone
Concen: 4.758 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018149.D
Acq: 31 Aug 2020 15:53

Tgt Ion: 43 Resp: 13429
Ion Ratio Lower Upper
43 100
58 34.3 25.5 38.3

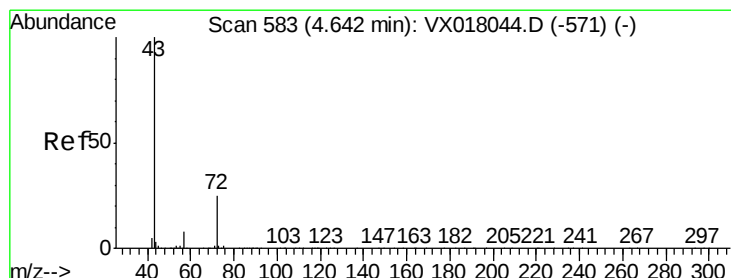
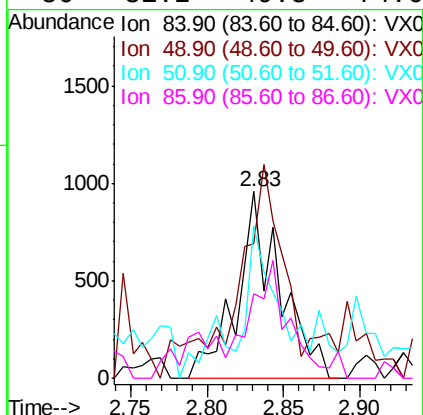
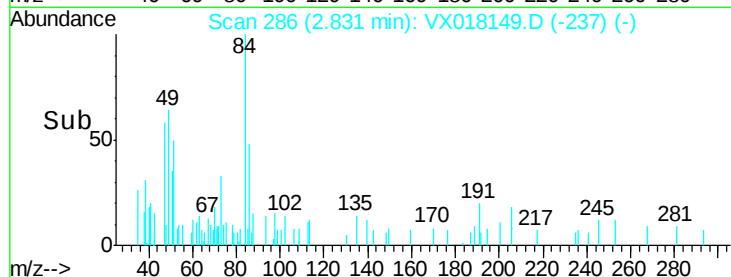
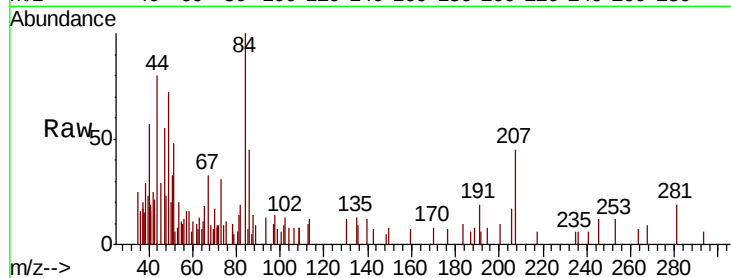




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018149.D
Acq: 31 Aug 2020 15:53

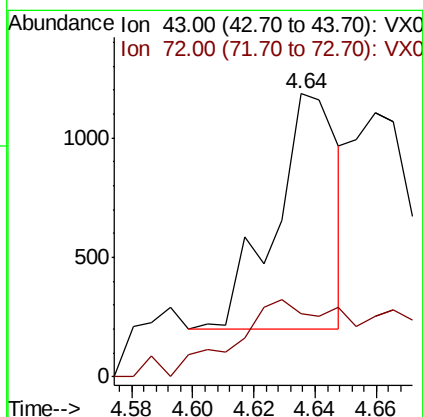
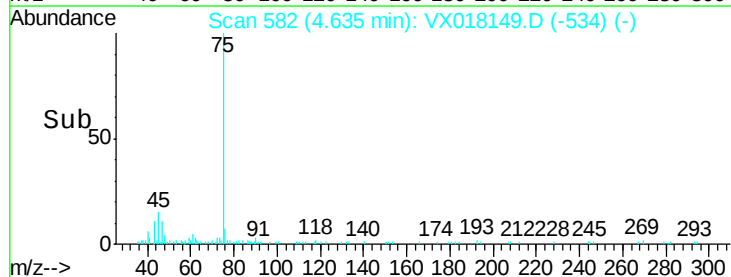
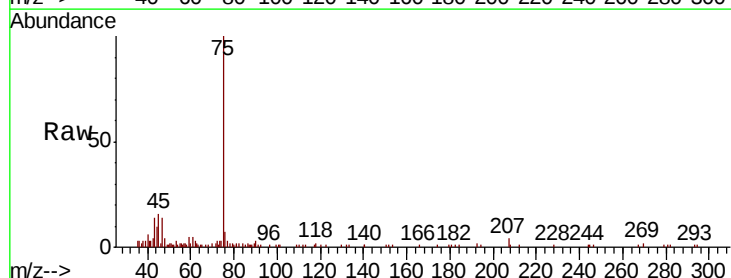
Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20200827

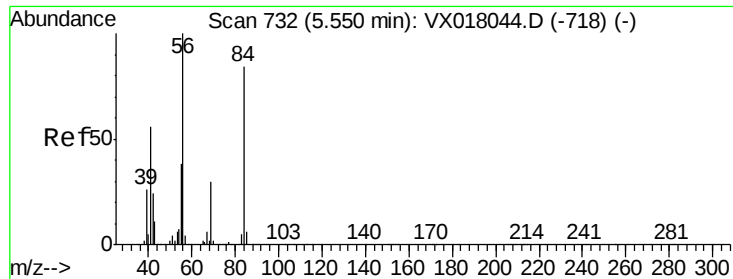
Tot Ion: 84 Resp: 1866
Ion Ratio Lower Upper
84 100
49 57.8 98.6 148.0#
51 67.7 29.6 44.4#
86 31.2 49.8 74.6#



#25
2-Butanone
Concen: 0.304 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX018149.D
Acq: 31 Aug 2020 15:53

Tgt Ion: 43 Resp: 1412
Ion Ratio Lower Upper
43 100
72 17.4 19.8 29.6#

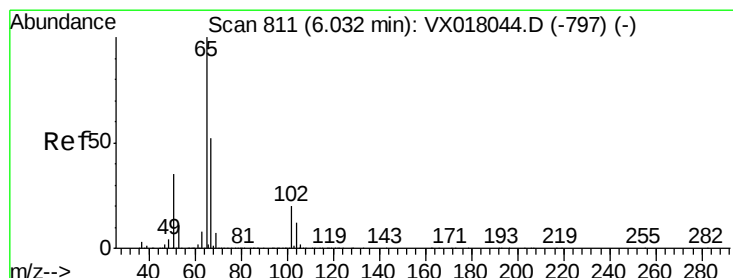
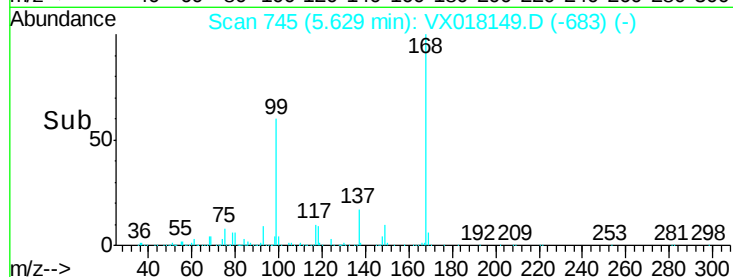
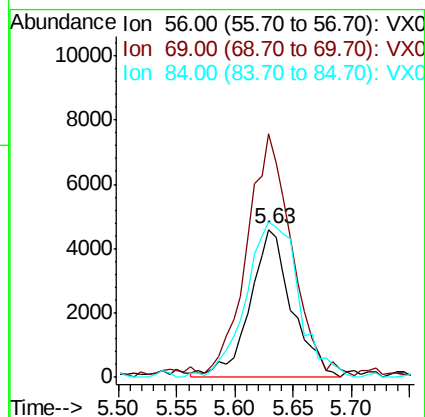
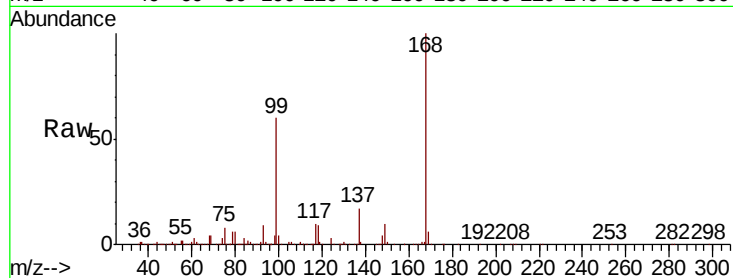




#31
Cyclohexane
Concen: 1.328 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018149.D
Acq: 31 Aug 2020 15:53

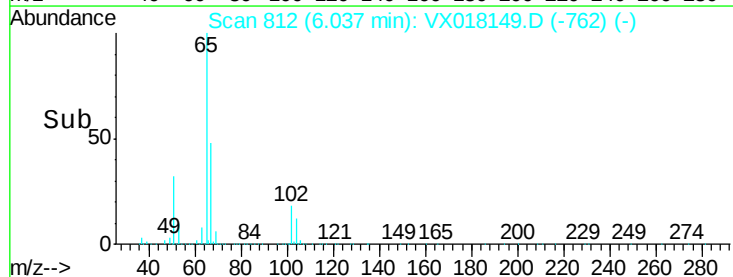
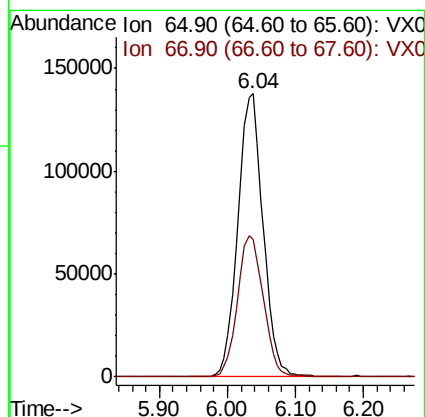
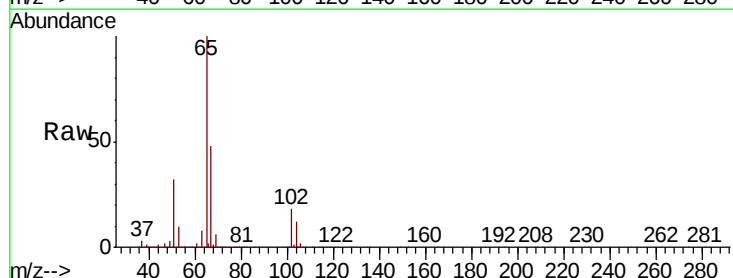
Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20200827

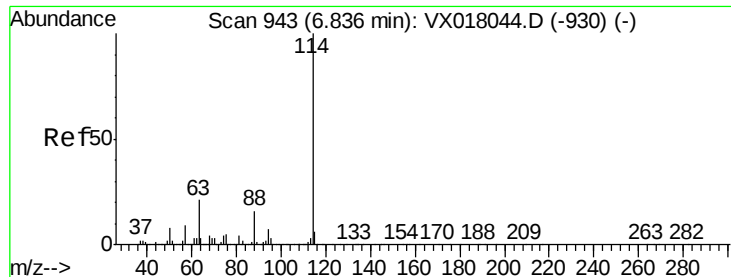
Tot Ion: 56 Resp: 11514
Ion Ratio Lower Upper
56 100
69 159.3 23.9 35.9#
84 102.4 67.0 100.4#



#33
1,2-Dichloroethane-d4
Concen: 49.096 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX018149.D
Acq: 31 Aug 2020 15:53

Tgt Ion: 65 Resp: 355603
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018149.D

Acq: 31 Aug 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

MH-140B-20200827

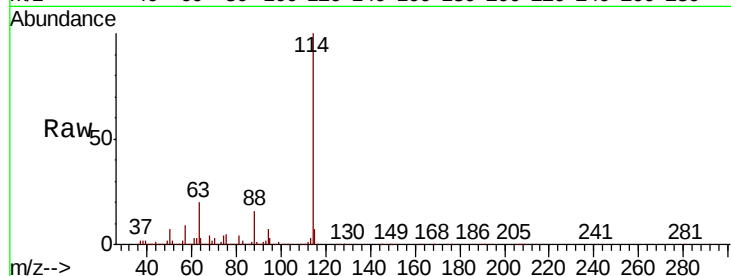
Tot Ion:114 Resp: 844495

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

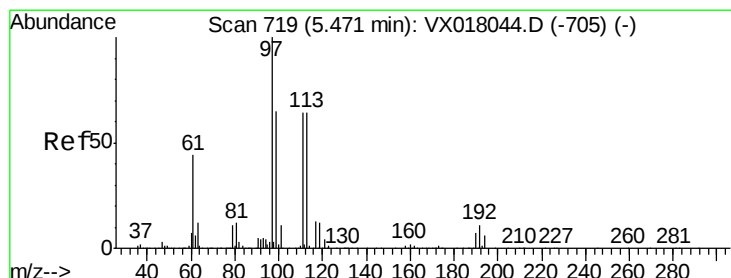
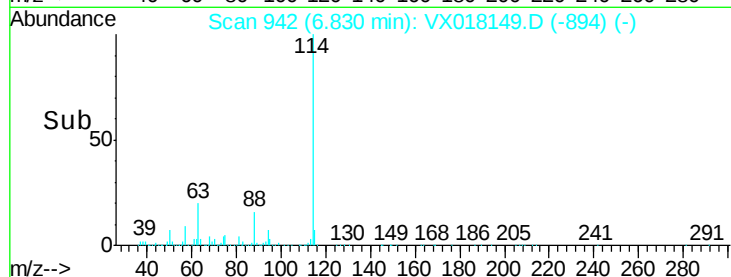
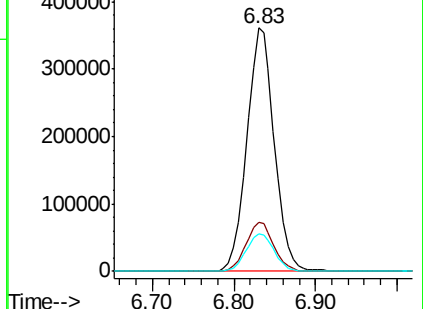
88 15.6 0.0 31.8



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: 49.568 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018149.D

Acq: 31 Aug 2020 15:53

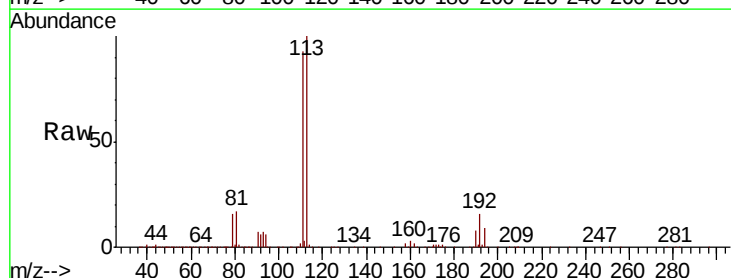
Tgt Ion:113 Resp: 285084

Ion Ratio Lower Upper

113 100

111 101.0 81.6 122.4

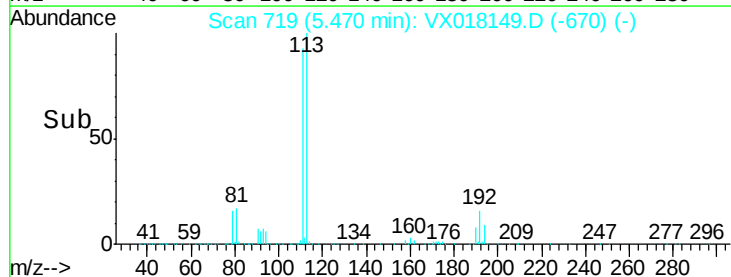
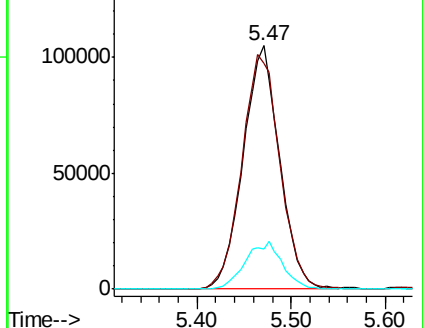
192 19.8 15.8 23.8

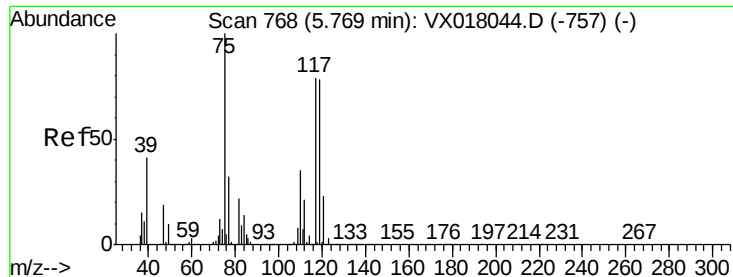


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

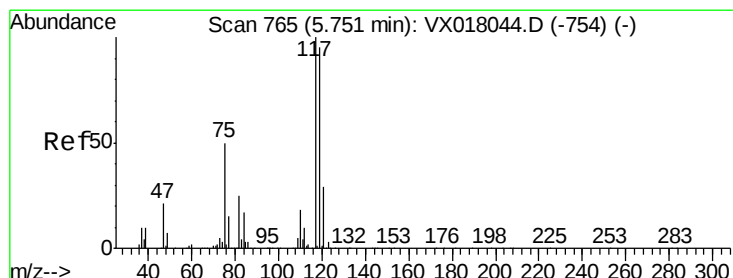
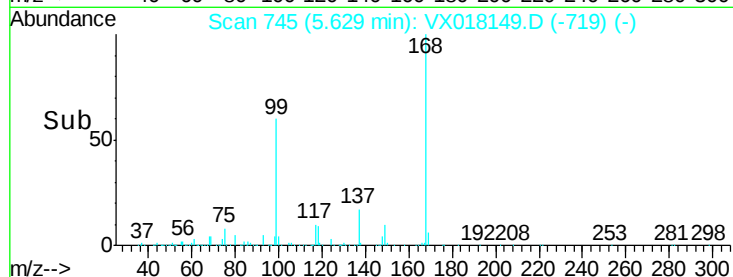
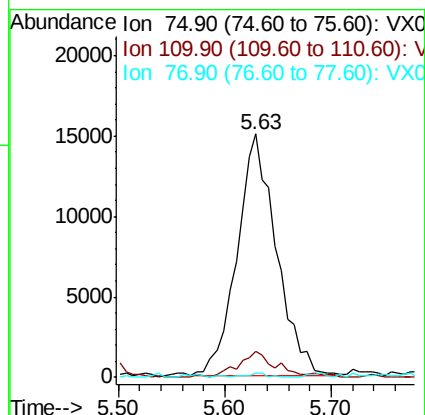
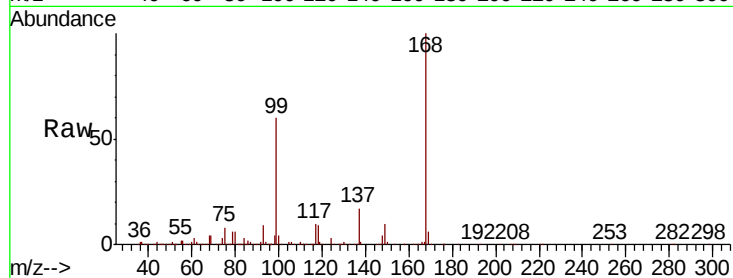




#36
 1,1-Dichloropropene
 Concen: 4.977 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018149.D
 Acq: 31 Aug 2020 15:53

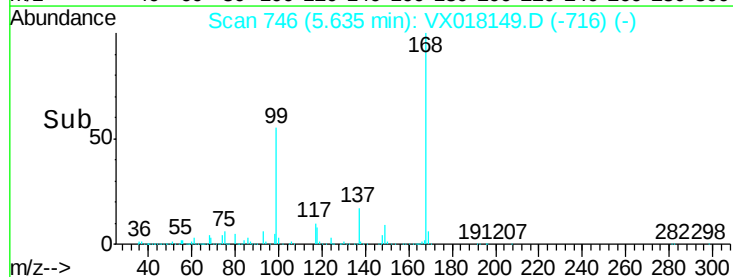
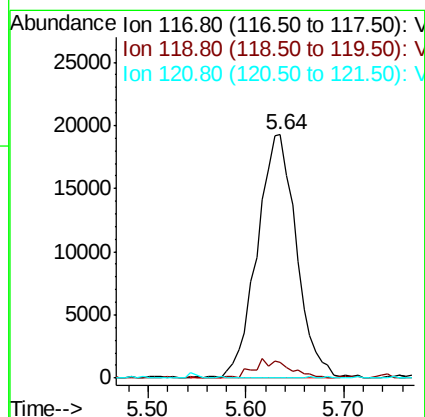
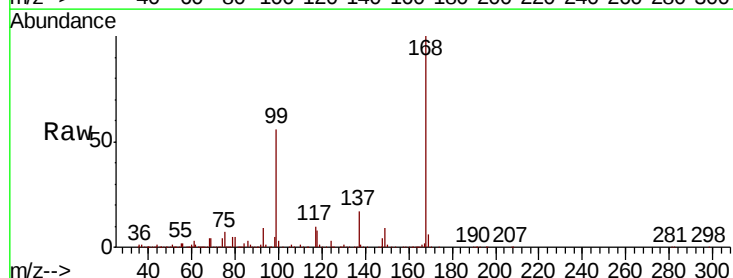
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-140B-20200827

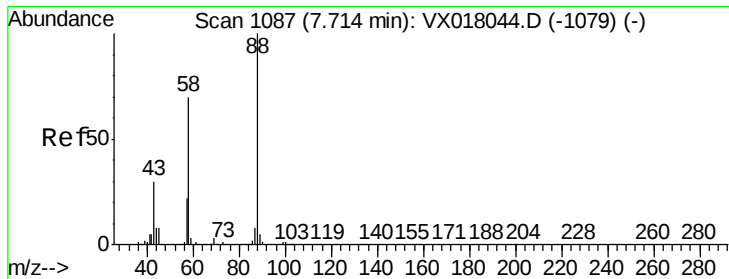
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.0	54.0#
77	0.9	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.124 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX018149.D
 Acq: 31 Aug 2020 15:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.8	113.6#
121	0.0	23.4	35.0#





#49

1,4-Dioxane

Concen: 1.237 ug/l

RT: 7.68 min Scan# 1081

Delta R.T. -0.04 min

Lab File: VX018149.D

Acq: 31 Aug 2020 15:53

Instrument :

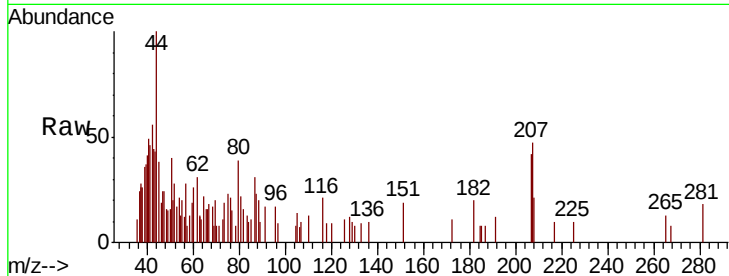
MSVOA_X

ClientSampleId :

MH-140B-20200827

Tot Ion: 88 Resp: 163

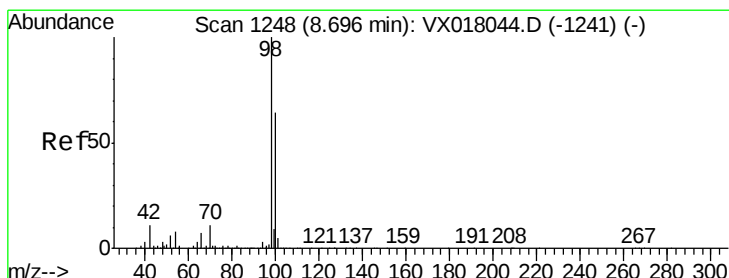
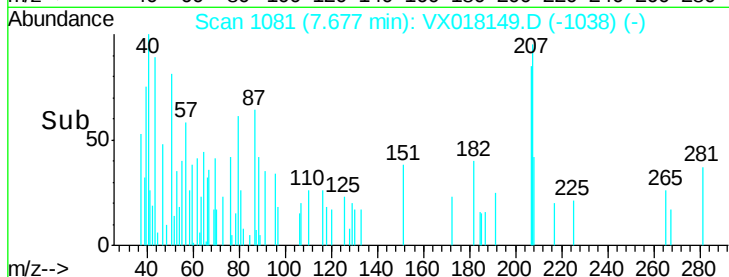
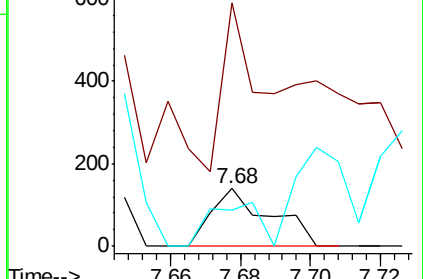
Ion	Ratio	Lower	Upper
88	100		
43	176.7	27.4	41.0#
58	63.8	56.4	84.6



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: 47.224 ug/l

RT: 8.70 min Scan# 1248

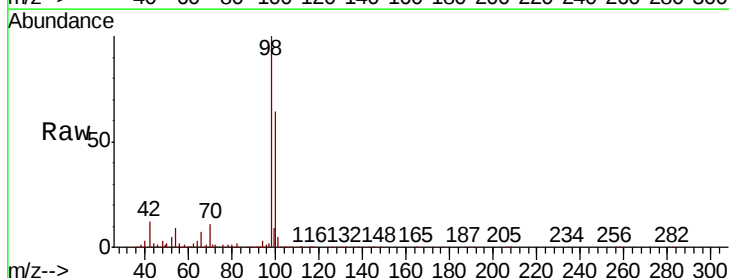
Delta R.T. -0.00 min

Lab File: VX018149.D

Acq: 31 Aug 2020 15:53

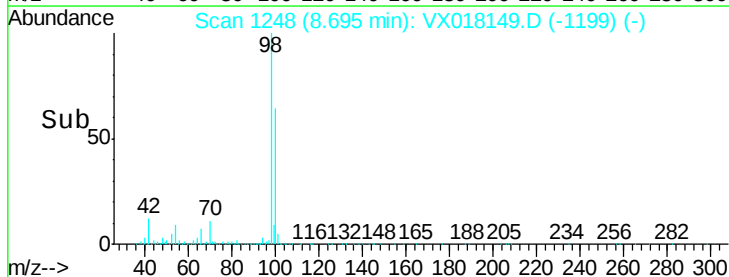
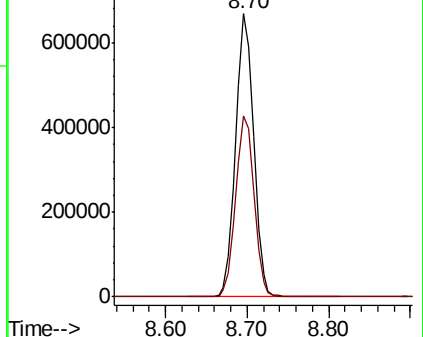
Tgt Ion: 98 Resp: 1011619

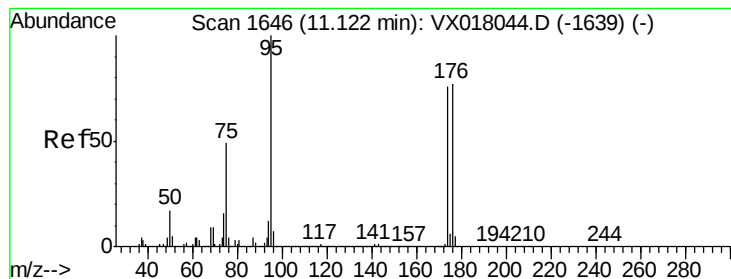
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.699 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018149.D

Acq: 31 Aug 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

MH-140B-20200827

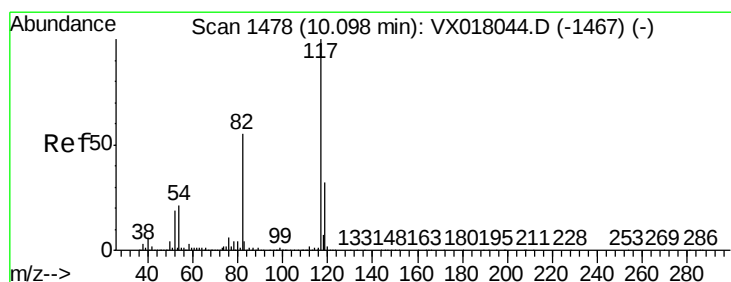
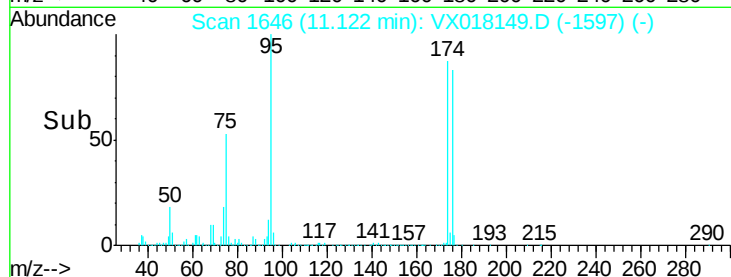
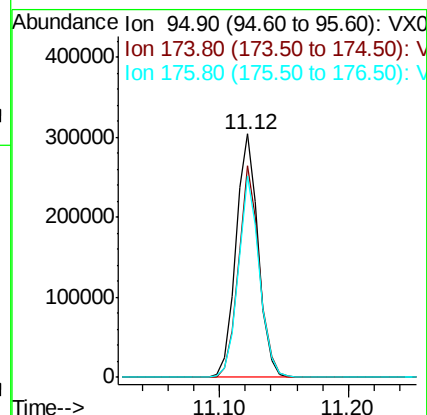
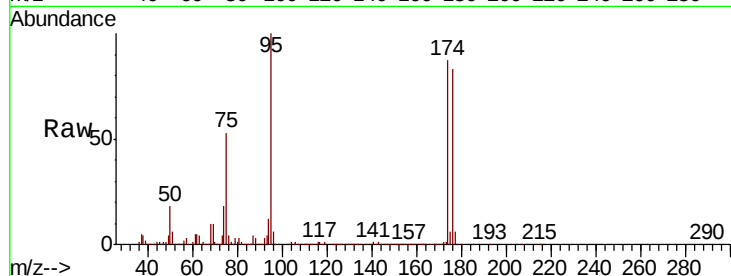
Tot Ion: 95 Resp: 368295

Ion Ratio Lower Upper

95 100

174 81.4 0.0 160.2

176 77.9 0.0 155.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018149.D

Acq: 31 Aug 2020 15:53

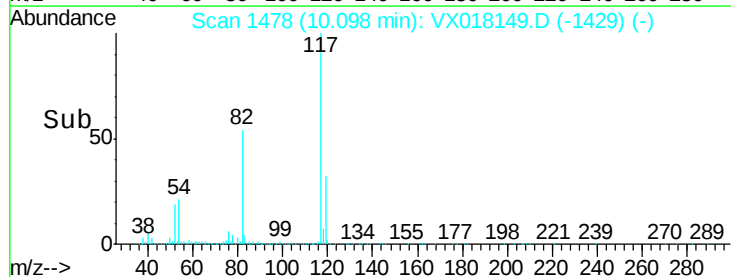
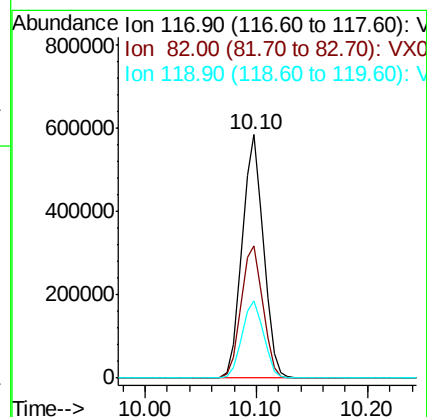
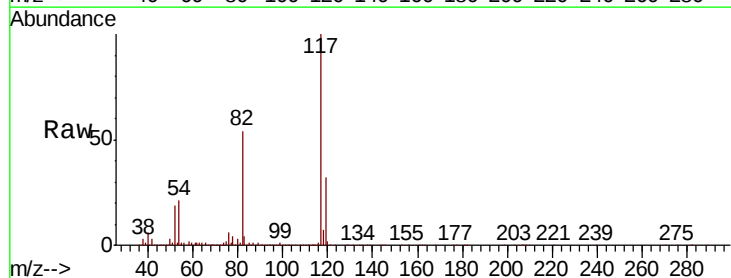
Tgt Ion: 117 Resp: 775116

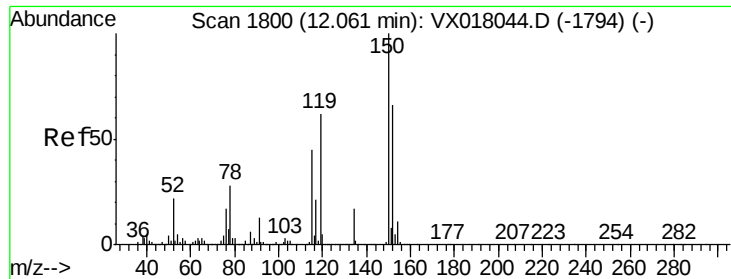
Ion Ratio Lower Upper

117 100

82 54.5 44.2 66.2

119 31.6 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018149.D

Acq: 31 Aug 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

MH-140B-20200827

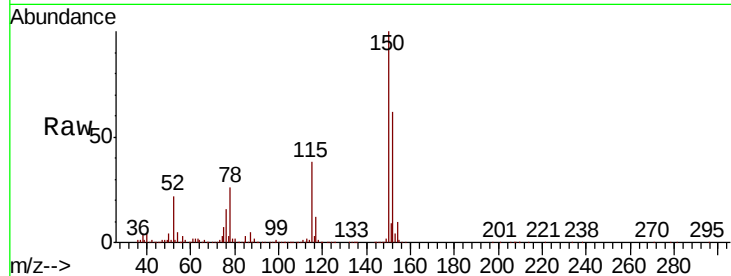
Tot Ion:152 Resp: 367260

Ion Ratio Lower Upper

152 100

115 58.5 41.5 124.5

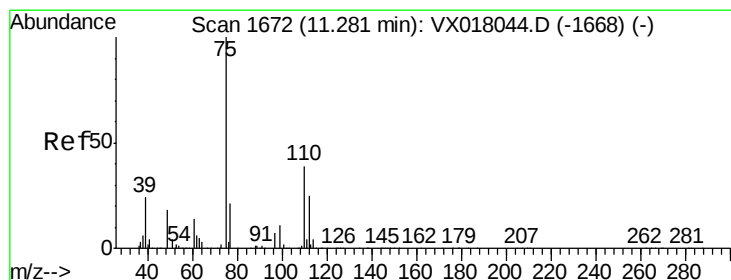
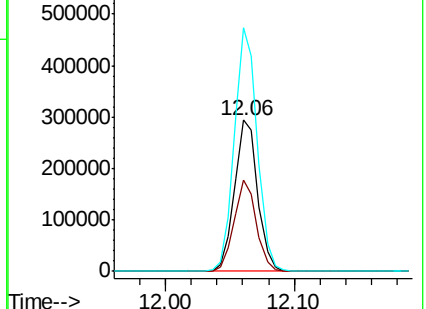
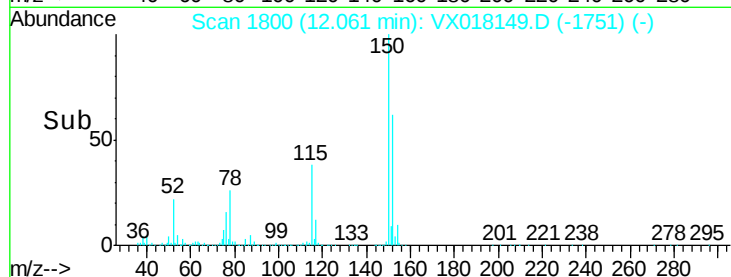
150 159.5 0.0 343.8



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: 23.132 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018149.D

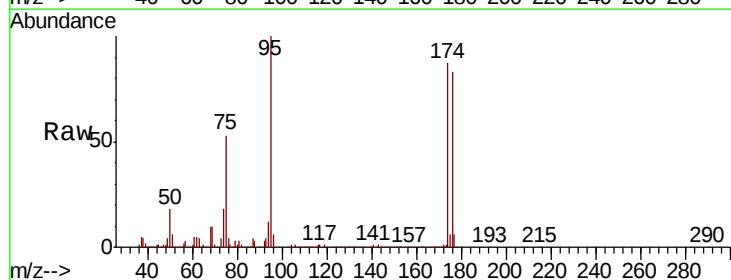
Acq: 31 Aug 2020 15:53

Tgt Ion: 75 Resp: 188988

Ion Ratio Lower Upper

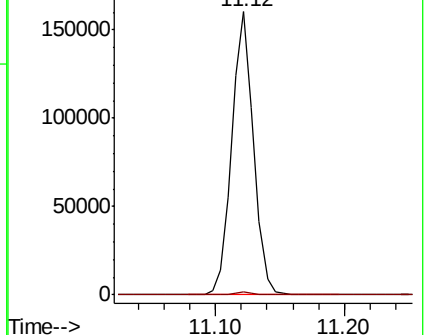
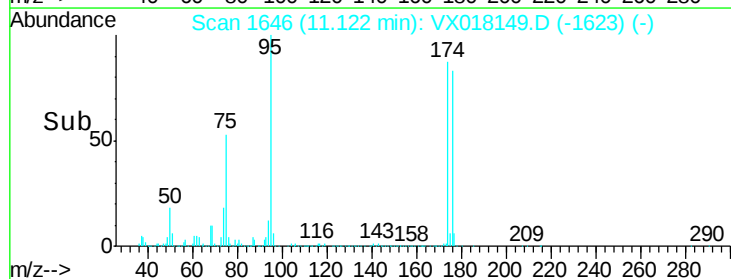
75 100

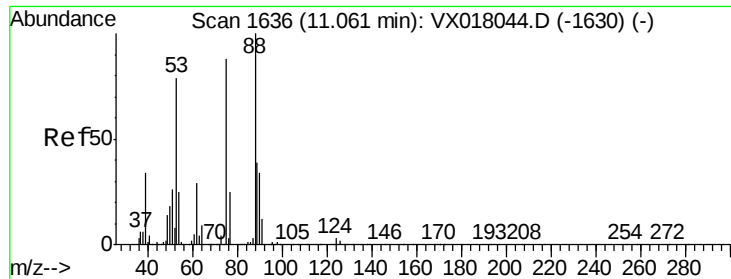
77 1.1 20.8 62.2#



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: 62.477 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018149.D

Acq: 31 Aug 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

MH-140B-20200827

Tot Ion: 75 Resp: 188988

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

89 0.0 36.6 54.8#

