

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082820\
 Data File : VX018125.D
 Acq On : 28 Aug 2020 17:02
 Operator : JC/SP
 Sample : L3831-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117T-20200827

Quant Time: Aug 29 03:07:21 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	562714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	935477	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	886655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	394234	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	381527	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
35) Dibromofluoromethane	5.46	113	311375	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
50) Toluene-d8	8.70	98	1139076	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.12	95	408701	43.78	ug/l	0.00
Spiked Amount			Recovery	=	87.56%	

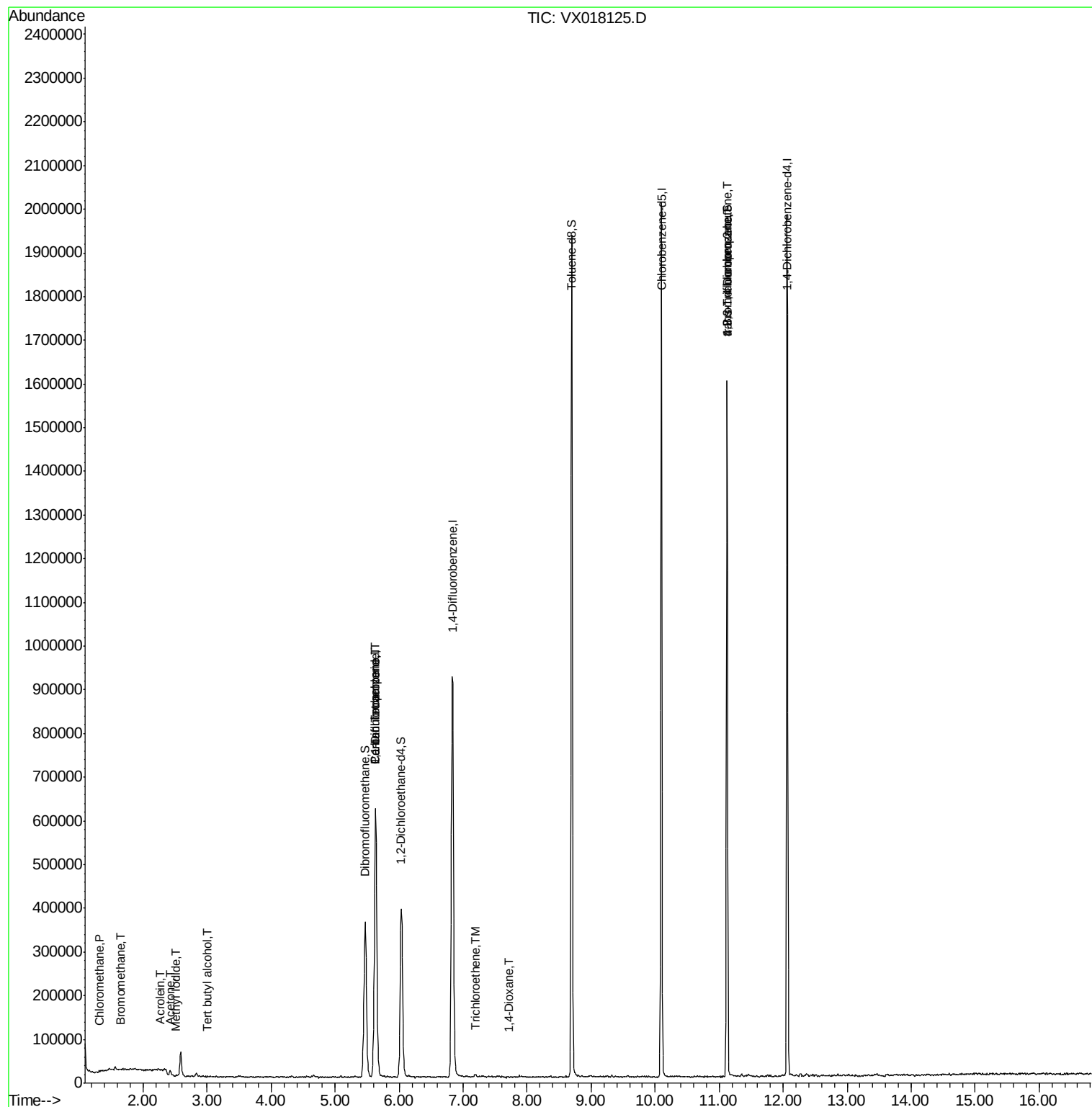
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2600	0.360	ug/l #	62
5) Bromomethane	1.65	94	824	0.238	ug/l #	55
10) Methyl Iodide	2.50	142	87	5.300	ug/l #	1
11) Tert butyl alcohol	3.00	59	1185	0.780	ug/l #	90
13) Acrolein	2.28	56	252	0.400	ug/l #	1
16) Acetone	2.42	43	12124	3.983	ug/l	98
20) Methylene Chloride	2.83	84	4242	Below Cal		96
36) 1,1-Dichloropropene	5.63	75	42218	4.893	ug/l #	53
38) Carbon Tetrachloride	5.64	117	57446	5.908	ug/l #	17
44) Trichloroethene	7.18	130	2200	0.307	ug/l	72
49) 1,4-Dioxane	7.72	88	115	0.788	ug/l #	23
76) 1,2,3-Trichloropropane	11.12	75	204882	23.362	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	204882	63.097	ug/l #	12

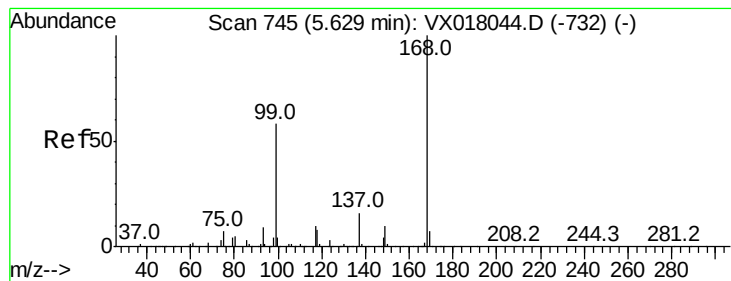
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX018125.D

Acq: 28 Aug 2020 17:02

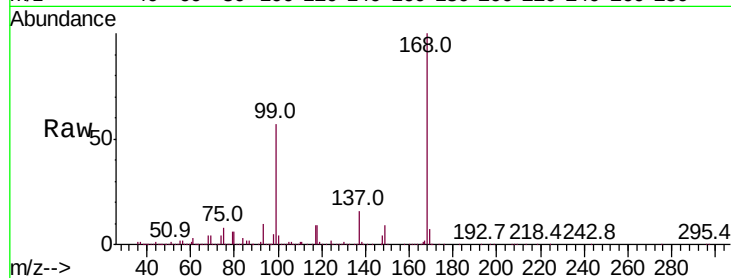
Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20200827

Tot Ion:168 Resp: 562714

Ion Ratio Lower Upper

168 100

99 56.7 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

100000

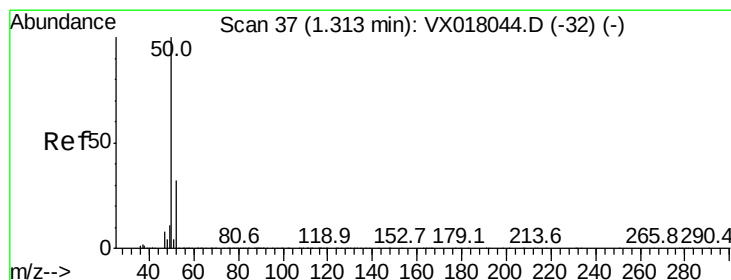
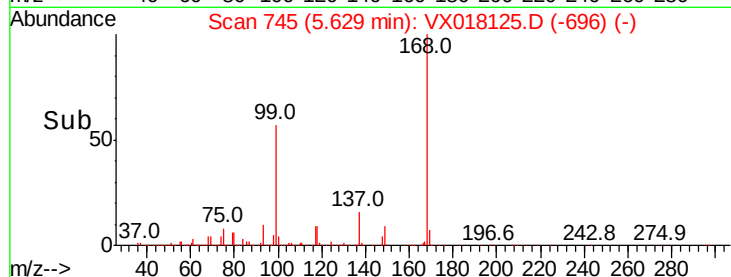
50000

0

Time-->

5.50 5.60 5.70 5.80

5.63



#3

Chloromethane

Concen: 0.360 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018125.D

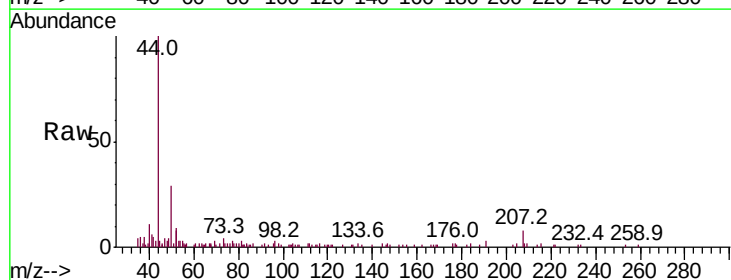
Acq: 28 Aug 2020 17:02

Tgt Ion: 50 Resp: 2600

Ion Ratio Lower Upper

50 100

52 53.2 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2500

2000

1500

1000

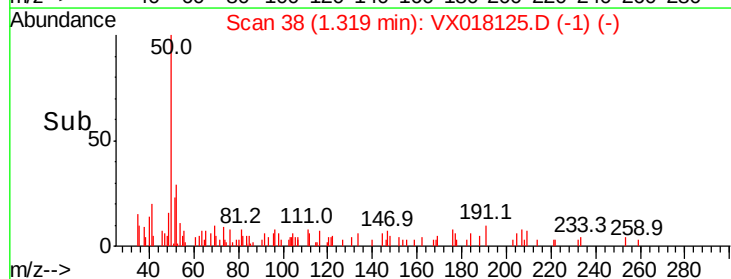
500

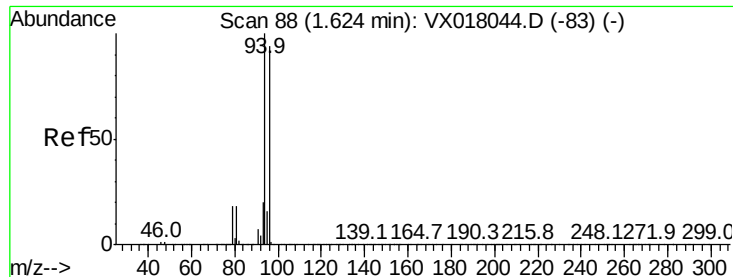
0

Time-->

1.30 1.35

1.32





#5

Bromomethane

Concen: 0.238 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018125.D

Acq: 28 Aug 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

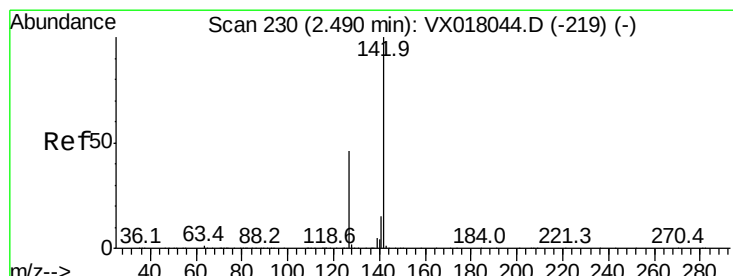
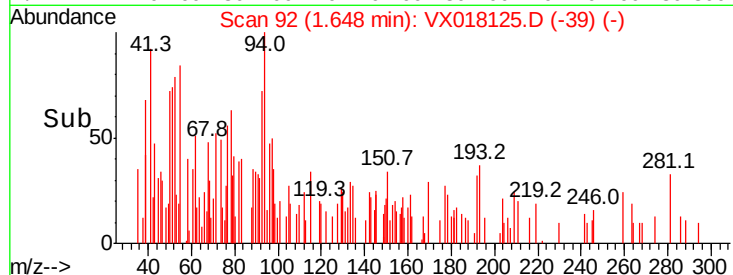
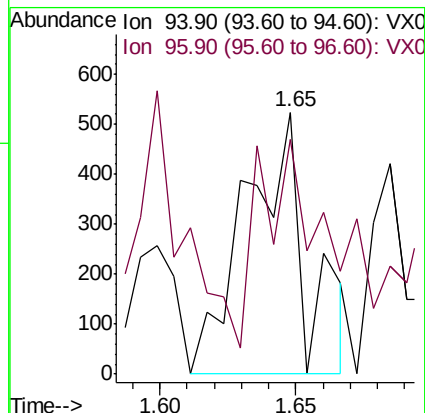
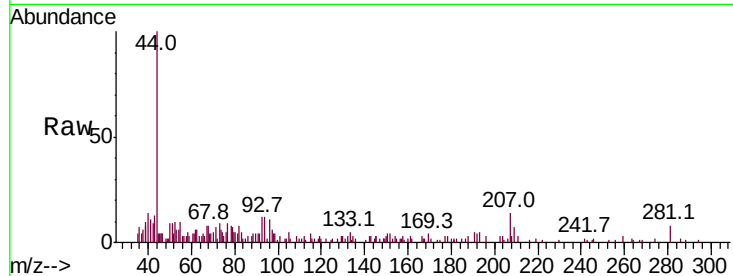
MH-117T-20200827

Tot Ion: 94 Resp: 824

Ion Ratio Lower Upper

94 100

96 50.4 74.8 112.2#



#10

Methyl Iodide

Concen: 5.300 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018125.D

Acq: 28 Aug 2020 17:02

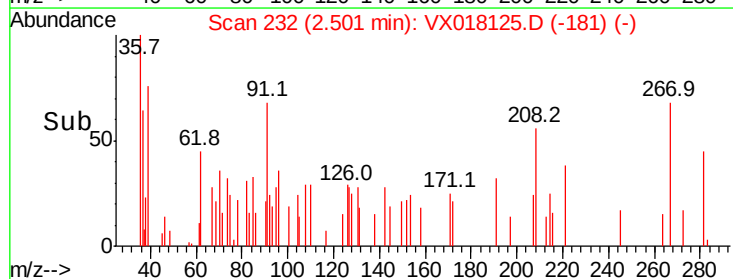
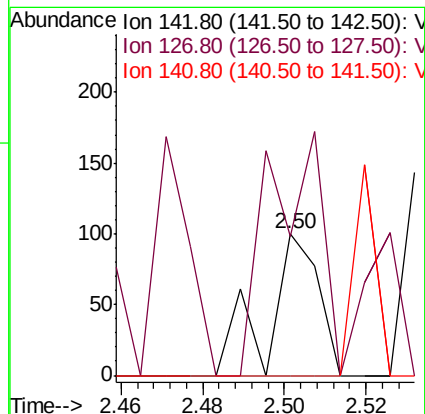
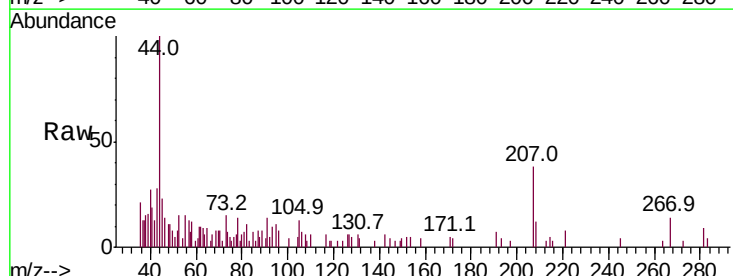
Tgt Ion: 142 Resp: 87

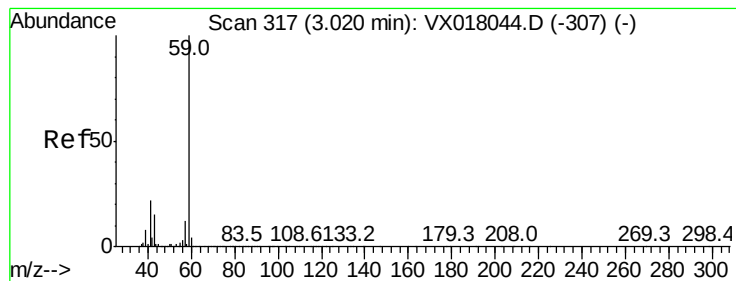
Ion Ratio Lower Upper

142 100

127 208.0 37.0 55.6#

141 62.1 11.5 17.3#



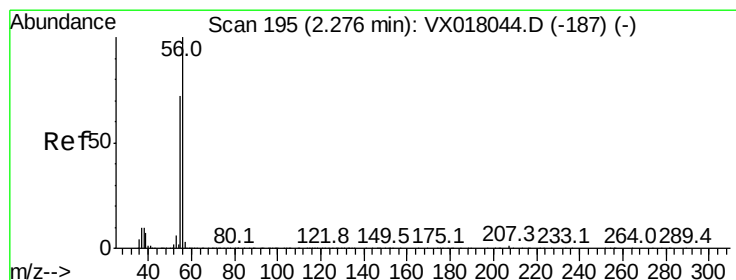
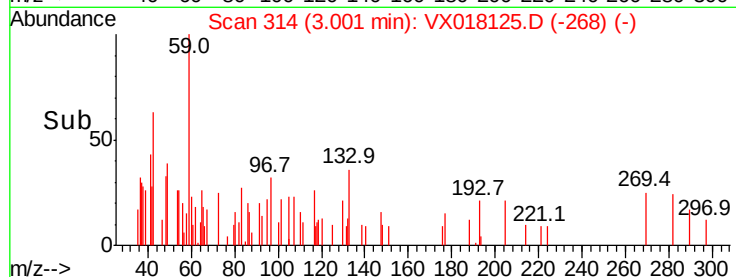
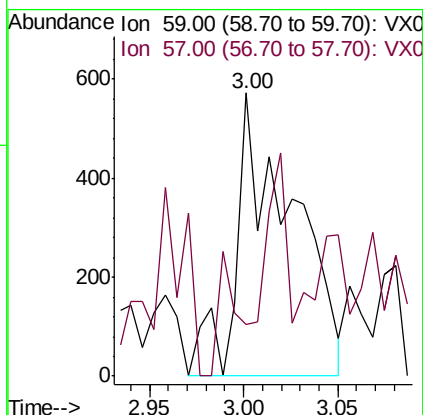
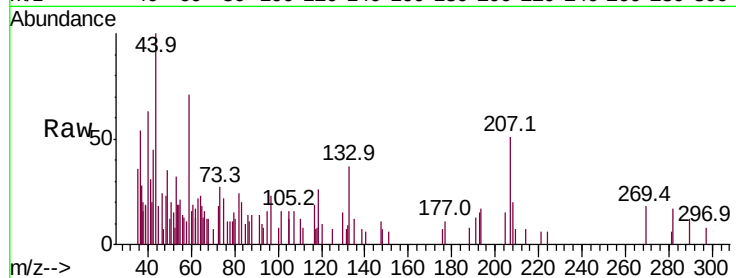


#11

Tert butyl alcohol
Concen: 0.780 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018125.D
Acq: 28 Aug 2020 17:02

Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20200827

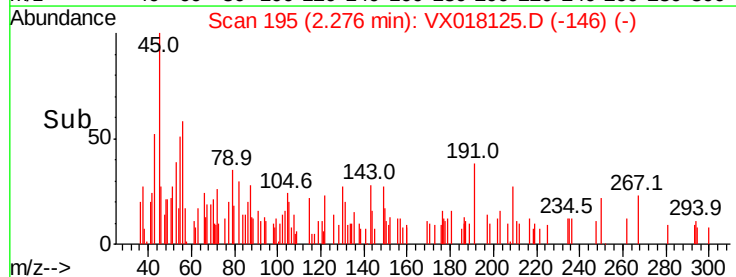
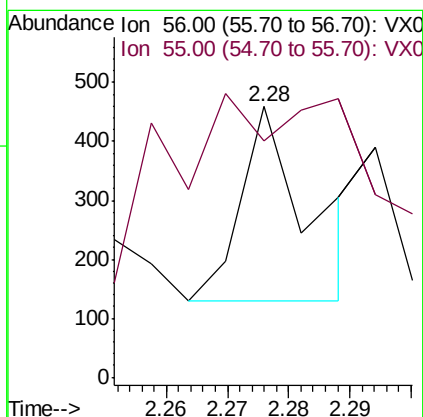
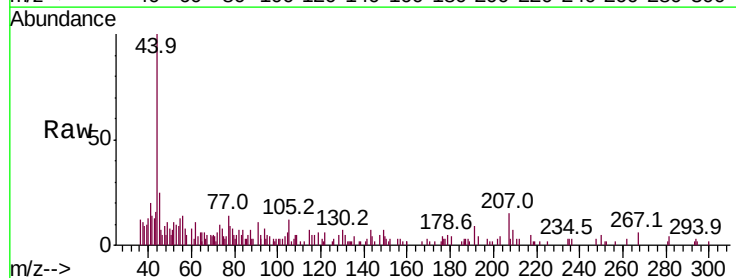
Tot Ion: 59 Resp: 1185
Ion Ratio Lower Upper
59 100
57 14.9 8.9 13.3#

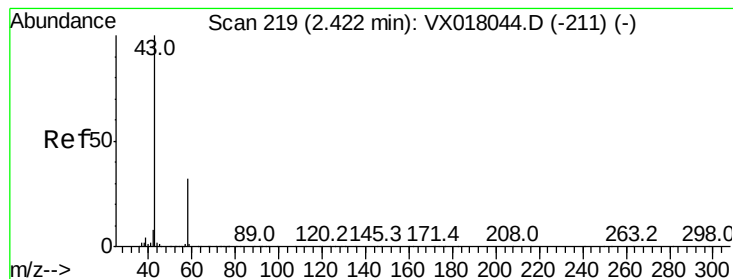


#13

Acrolein
Concen: 0.400 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX018125.D
Acq: 28 Aug 2020 17:02

Tgt Ion: 56 Resp: 252
Ion Ratio Lower Upper
56 100
55 272.2 57.0 85.6#





#16

Acetone

Concen: 3.983 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018125.D

Acq: 28 Aug 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

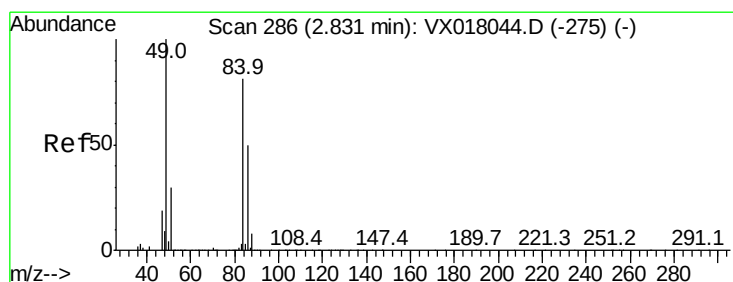
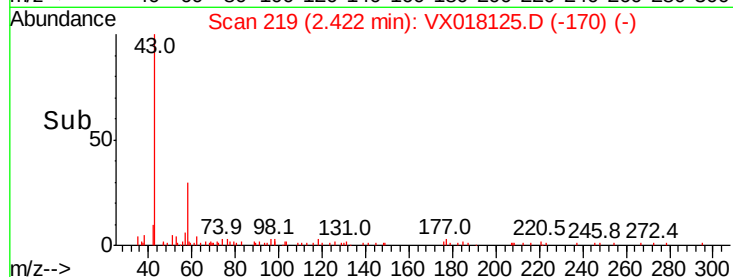
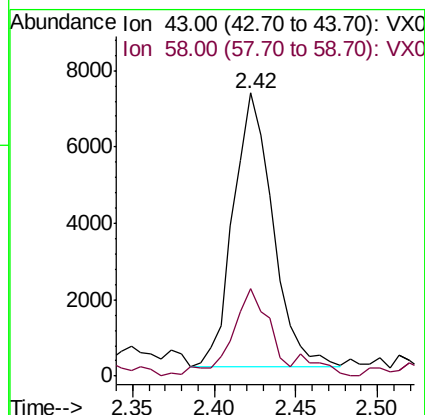
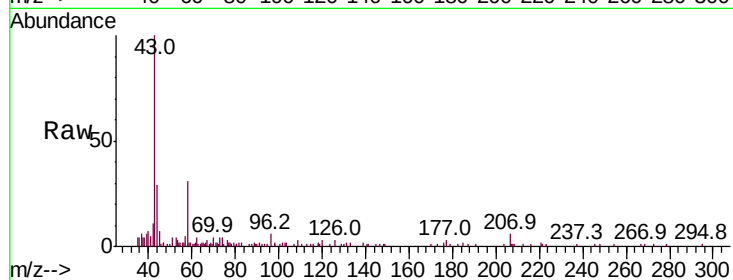
MH-117T-20200827

Tot Ion: 43 Resp: 12124

Ion Ratio Lower Upper

43 100

58 30.7 25.5 38.3



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX018125.D

Acq: 28 Aug 2020 17:02

Tgt Ion: 84 Resp: 4242

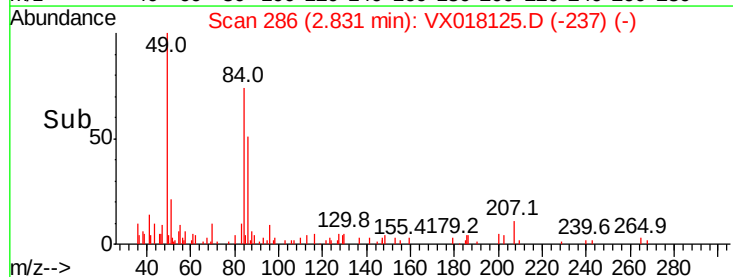
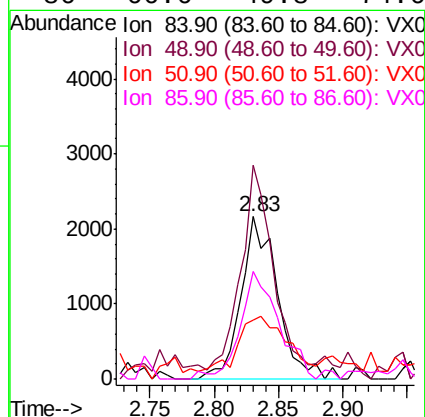
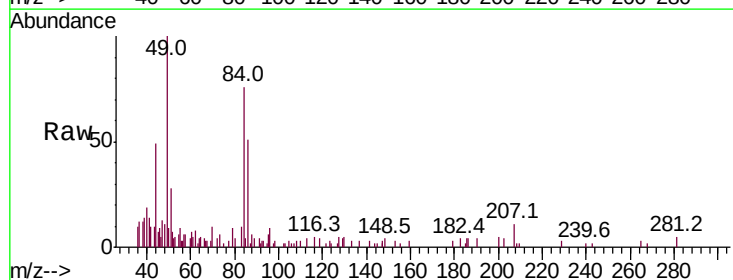
Ion Ratio Lower Upper

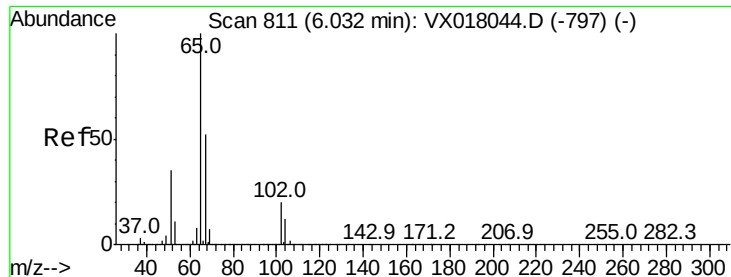
84 100

49 124.7 98.6 148.0

51 30.2 29.6 44.4

86 66.6 49.8 74.6





#33

1,2-Dichloroethane-d4

Concen: 48.839 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018125.D

Acq: 28 Aug 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

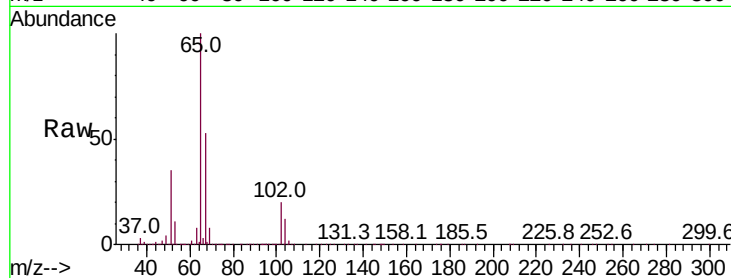
MH-117T-20200827

Tot Ion: 65 Resp: 381527

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

150000

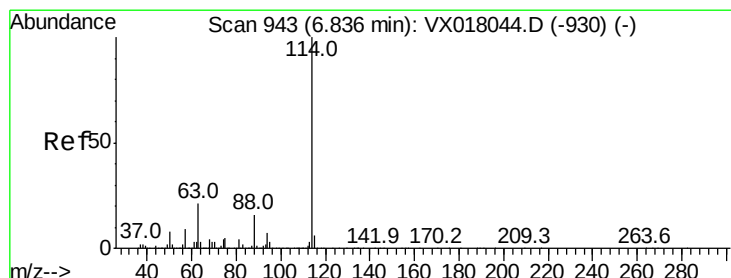
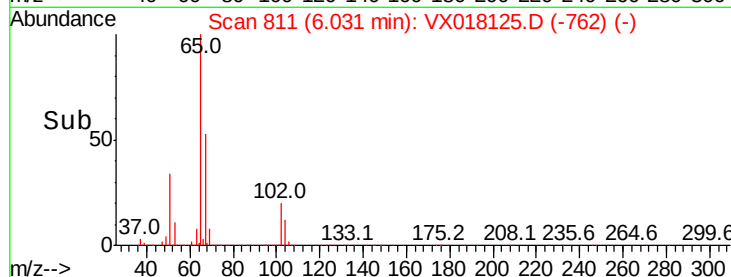
100000

50000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018125.D

Acq: 28 Aug 2020 17:02

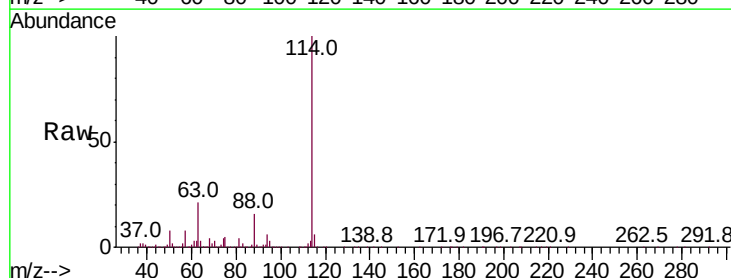
Tgt Ion: 114 Resp: 935477

Ion Ratio Lower Upper

114 100

63 20.7 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

500000

400000

300000

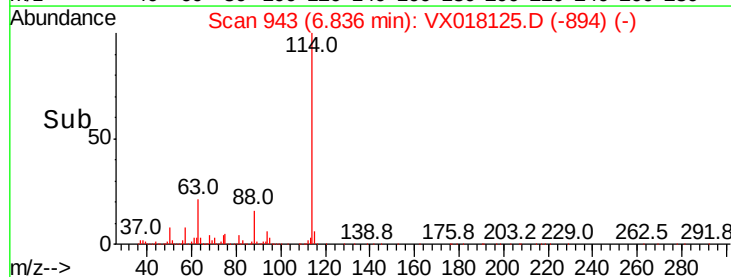
200000

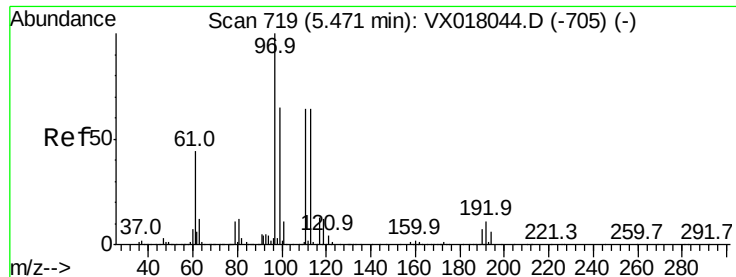
100000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 48.873 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018125.D

Acq: 28 Aug 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

MH-117T-20200827

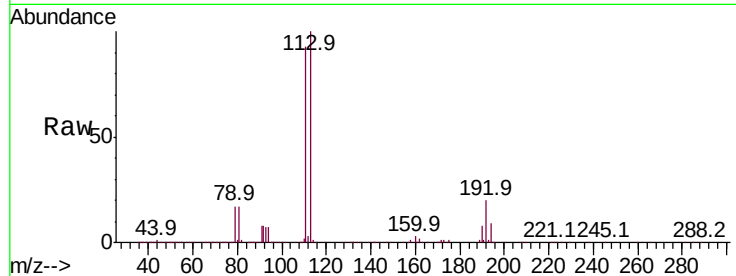
Tot Ion:113 Resp: 311375

Ion Ratio Lower Upper

113 100

111 100.6 81.6 122.4

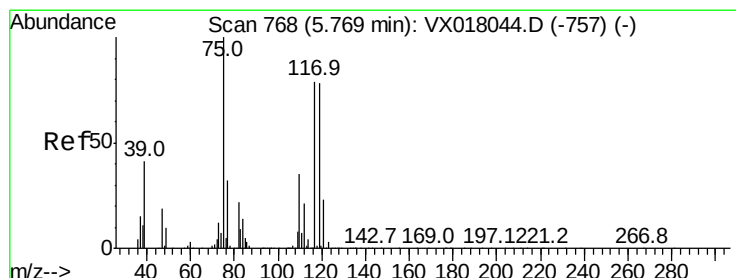
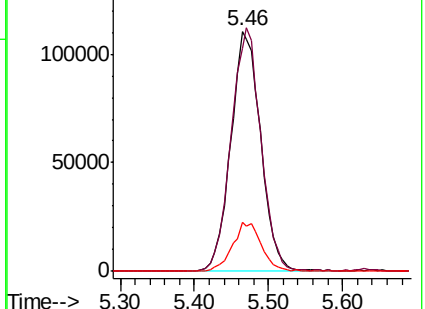
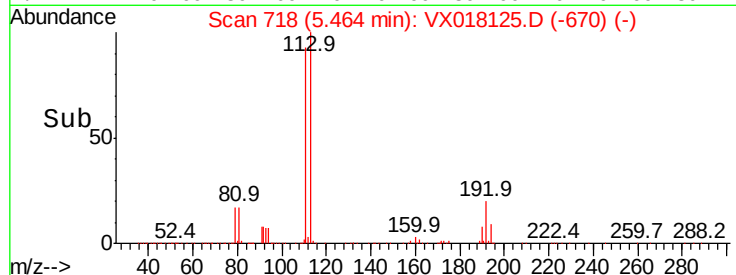
192 19.7 15.8 23.8



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: 4.893 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018125.D

Acq: 28 Aug 2020 17:02

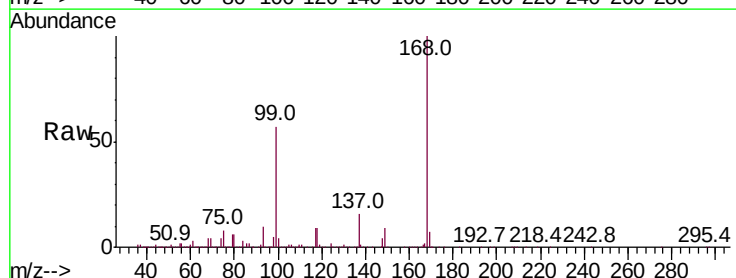
Tgt Ion: 75 Resp: 42218

Ion Ratio Lower Upper

75 100

110 11.2 18.0 54.0#

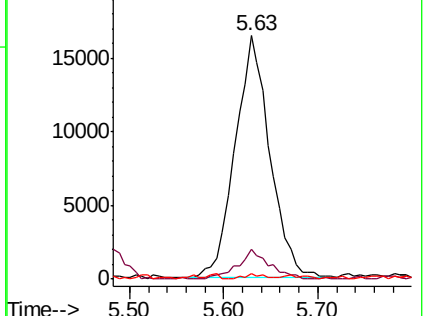
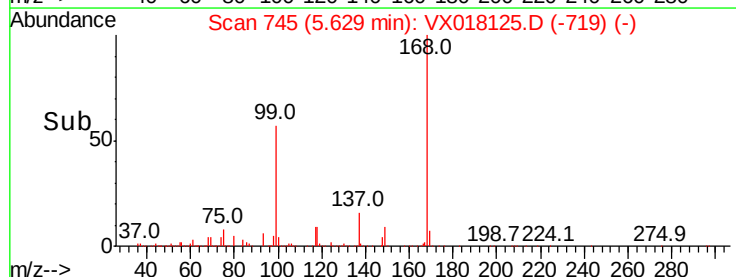
77 1.3 24.4 36.6#

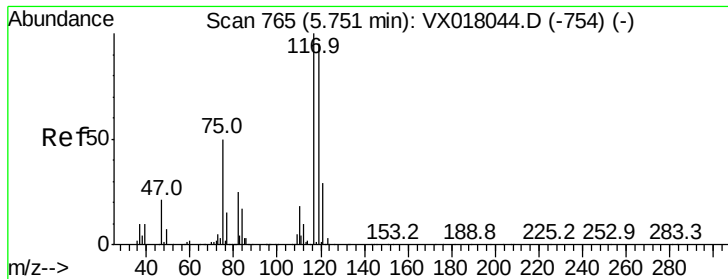


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.908 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018125.D

Acq: 28 Aug 2020 17:02

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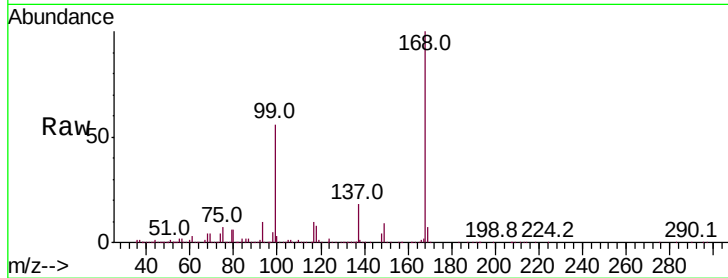
Tot Ion:117 Resp: 57446

Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.6#

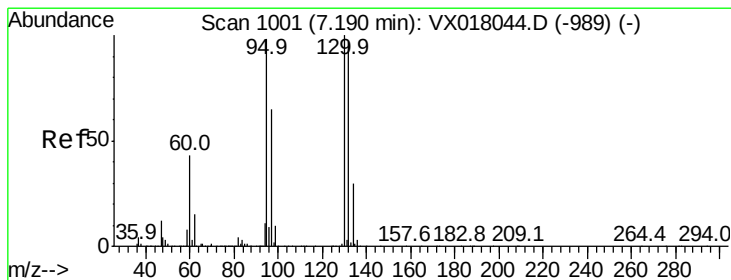
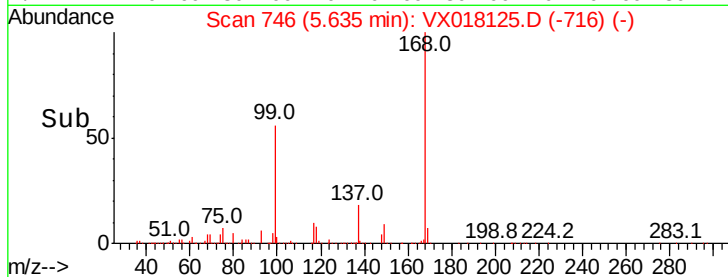
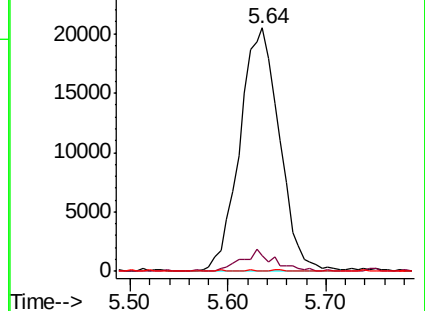
121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.307 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX018125.D

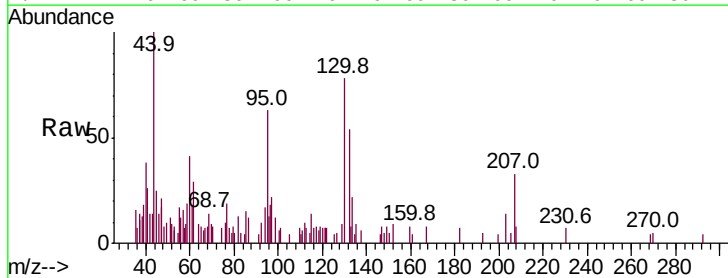
Acq: 28 Aug 2020 17:02

Tgt Ion:130 Resp: 2200

Ion Ratio Lower Upper

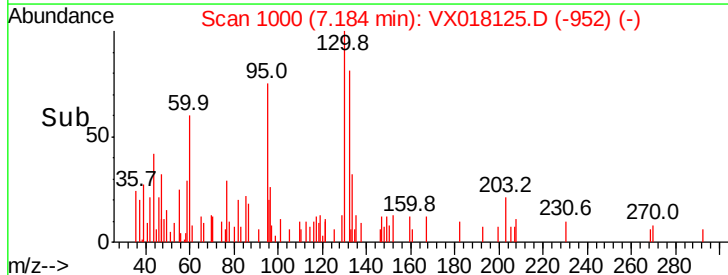
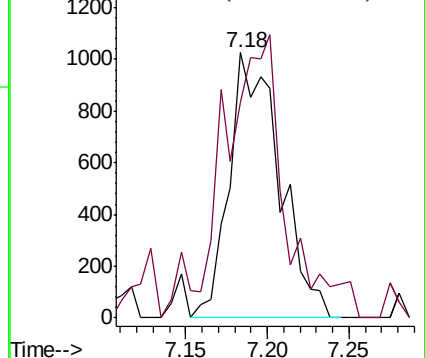
130 100

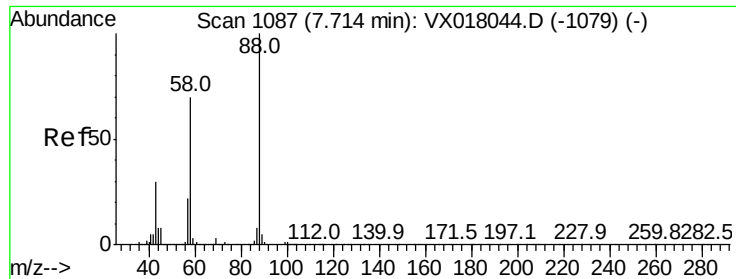
95 71.0 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 0.788 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018125.D

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MH-117T-20200827

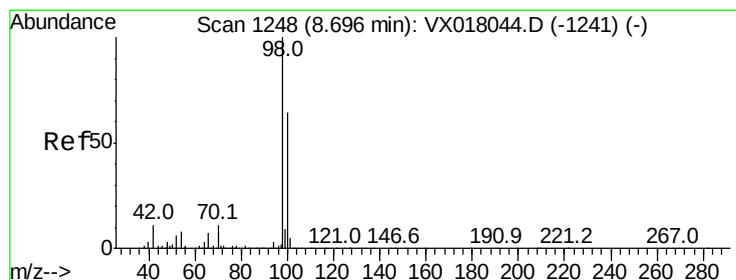
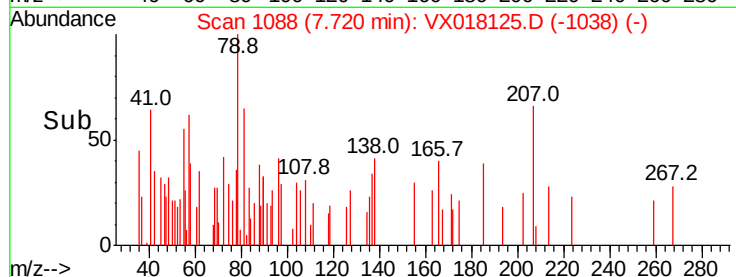
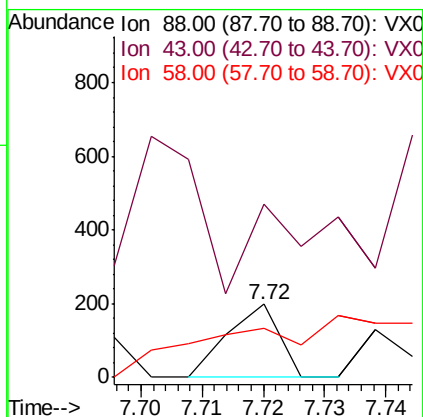
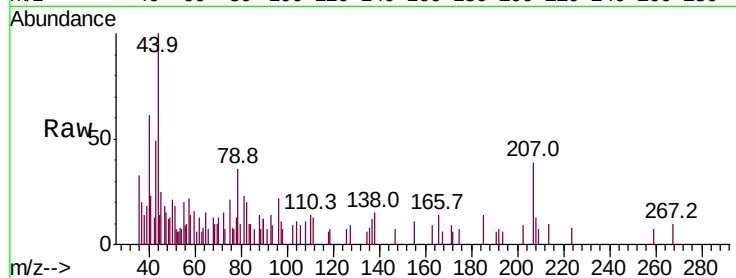
Tot Ion: 88 Resp: 115

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 0.0 56.4 84.6#



#50

Toluene-d8

Concen: 48.003 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018125.D

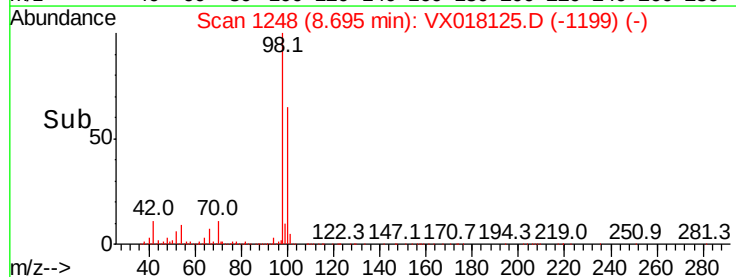
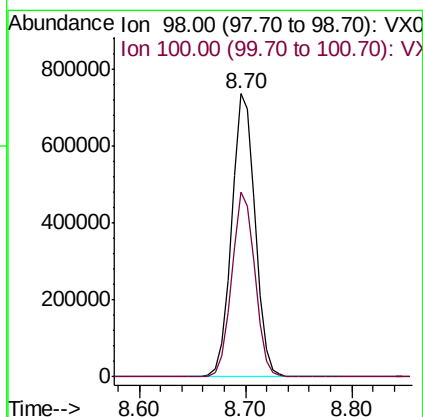
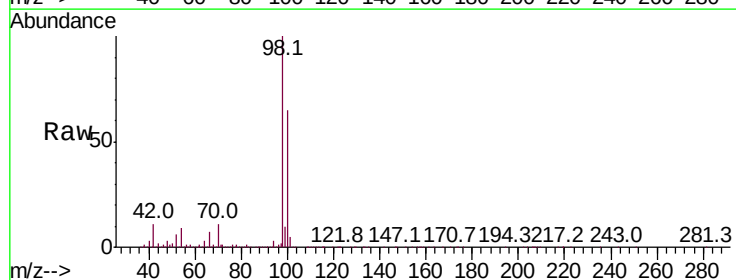
Acq: 28 Aug 2020 17:02

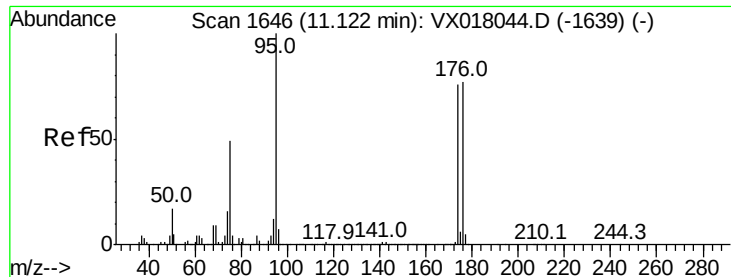
Tgt Ion: 98 Resp: 1139076

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 43.777 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018125.D

Acq: 28 Aug 2020 17:02

Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20200827

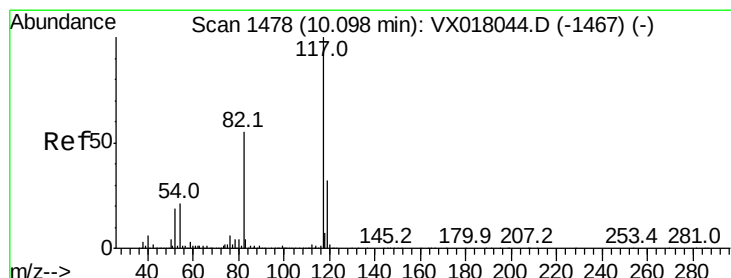
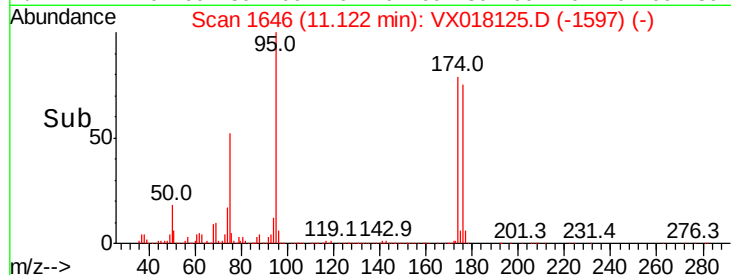
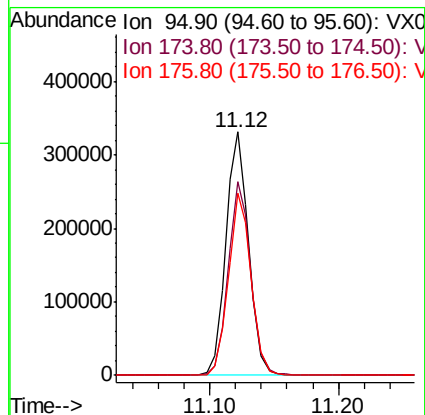
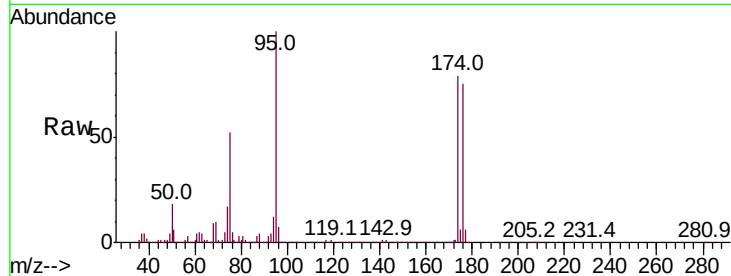
Tot Ion: 95 Resp: 408701

Ion Ratio Lower Upper

95 100

174 79.0 0.0 160.2

176 74.8 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: VX018125.D

Acq: 28 Aug 2020 17:02

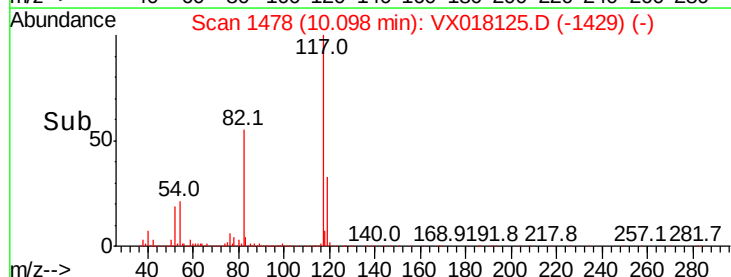
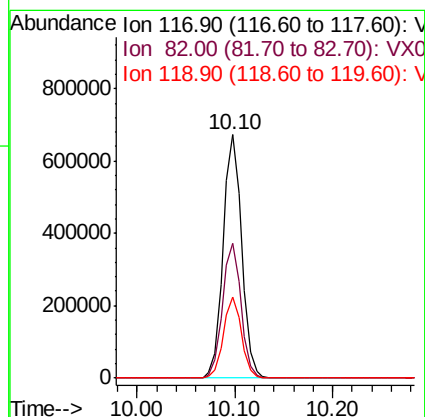
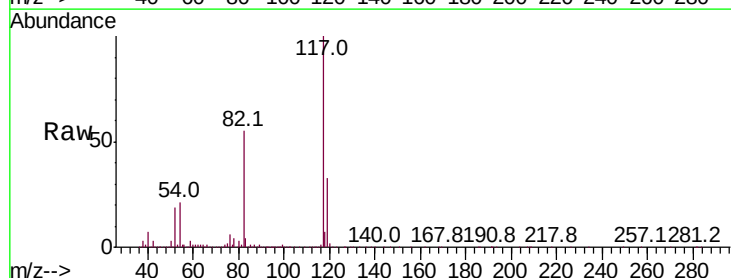
Tgt Ion: 117 Resp: 886655

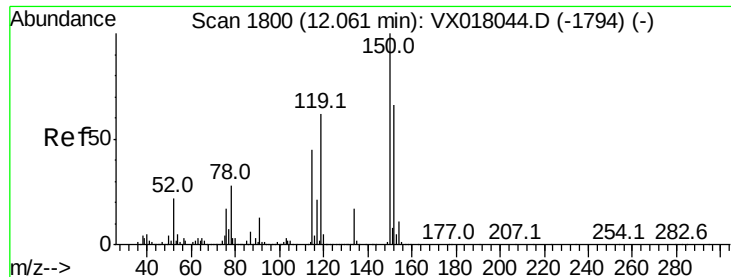
Ion Ratio Lower Upper

117 100

82 55.4 44.2 66.2

119 33.1 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: VX018125.D

Acq: 28 Aug 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

MH-117T-20200827

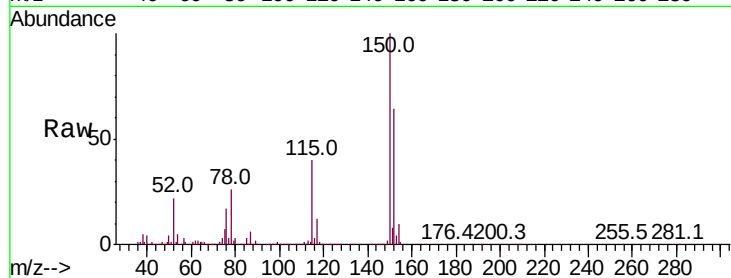
Tot Ion:152 Resp: 394234

Ion Ratio Lower Upper

152 100

115 60.7 41.5 124.5

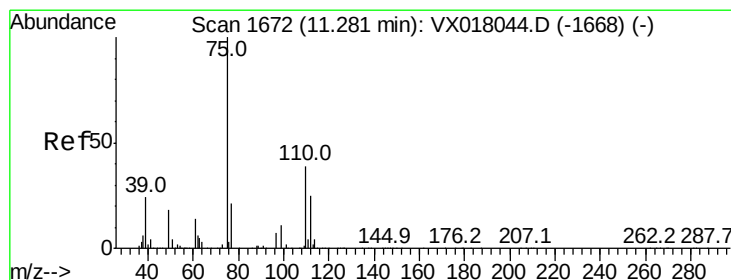
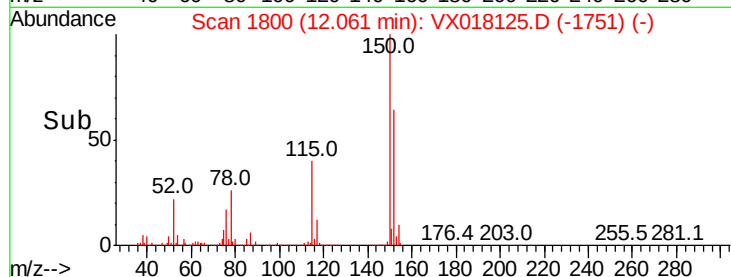
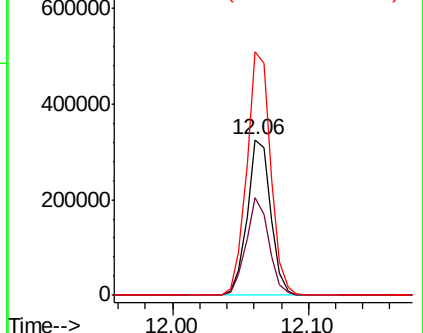
150 158.5 0.0 343.8



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: 23.362 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018125.D

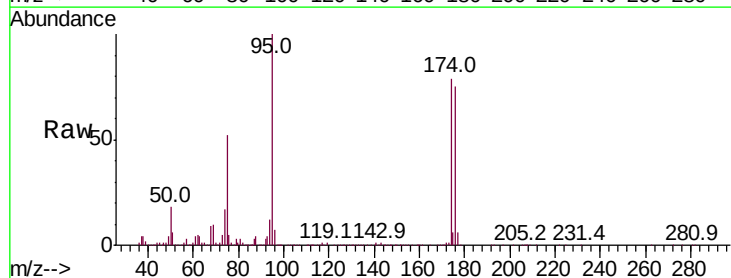
Acq: 28 Aug 2020 17:02

Tgt Ion: 75 Resp: 204882

Ion Ratio Lower Upper

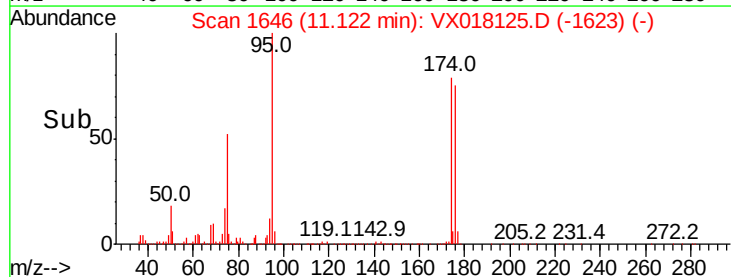
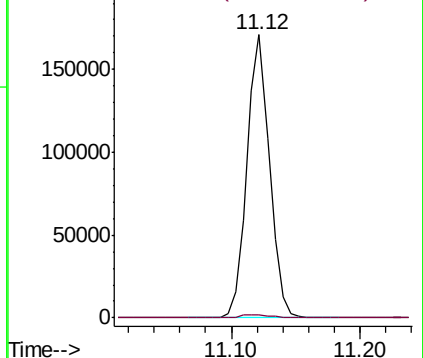
75 100

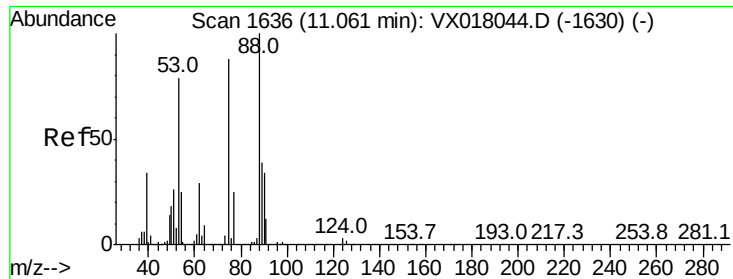
77 1.6 20.8 62.2#



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: 63.097 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018125.D

Acq: 28 Aug 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

MH-117T-20200827

Tot Ion: 75 Resp: 204882

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.1 36.6 54.8#

