

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082820\
 Data File : VX018120.D
 Acq On : 28 Aug 2020 15:07
 Operator : JC/SP
 Sample : L3831-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-01-20200827

Quant Time: Aug 29 03:06:06 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	595491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	975099	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	924149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	440795	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	399180	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
35) Dibromofluoromethane	5.47	113	325994	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
50) Toluene-d8	8.70	98	1184761	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	11.12	95	436442	44.85	ug/l	0.00
Spiked Amount			Recovery	=	89.70%	

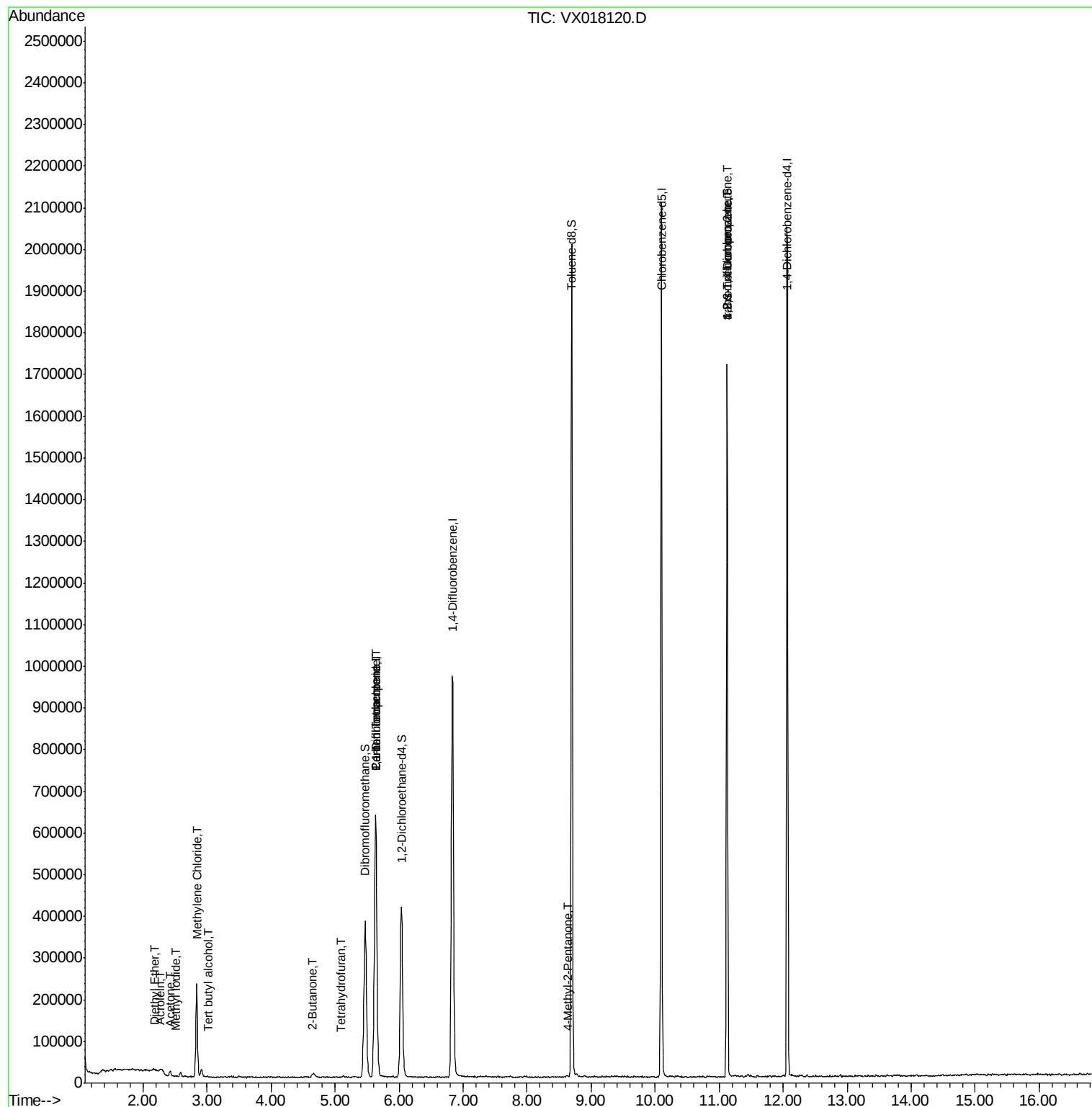
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	2247	0.639	ug/l	96
10) Methyl Iodide	2.50	142	624	5.380	ug/l #	72
11) Tert butyl alcohol	3.02	59	1347	0.838	ug/l #	4
13) Acrolein	2.26	56	243	0.365	ug/l #	1
16) Acetone	2.42	43	12884	4.000	ug/l	98
20) Methylene Chloride	2.84	84	101081	14.518	ug/l	97
25) 2-Butanone	4.64	43	2091	0.395	ug/l #	88
29) Tetrahydrofuran	5.09	42	999	0.296	ug/l #	64
36) 1,1-Dichloropropene	5.63	75	45184	5.024	ug/l #	51
38) Carbon Tetrachloride	5.63	117	60964	6.015	ug/l #	17
51) 4-Methyl-2-Pentanone	8.62	43	2957	0.284	ug/l #	67
76) 1,2,3-Trichloropropane	11.12	75	223457	22.789	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	223457	61.548	ug/l #	12

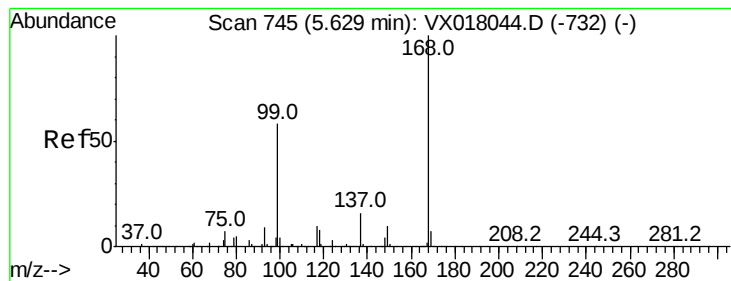
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082820\
Data File : VX018120.D
Acq On : 28 Aug 2020 15:07
Operator : JC/SP
Sample : L3831-13
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-01-20200827

Quant Time: Aug 29 03:06:06 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# 746

Delta R.T. 0.01 min

Lab File: VX018120.D

Acq: 28 Aug 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

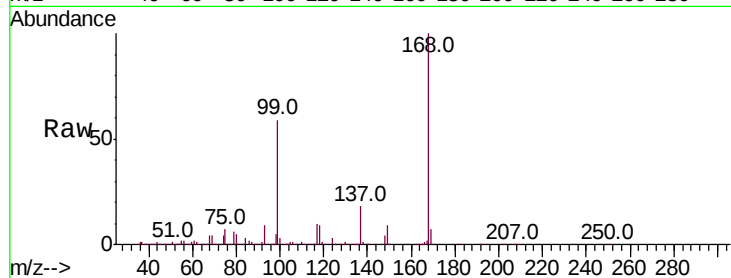
FB-01-20200827

Tot Ion:168 Resp: 595491

Ion Ratio Lower Upper

168 100

99 58.8 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

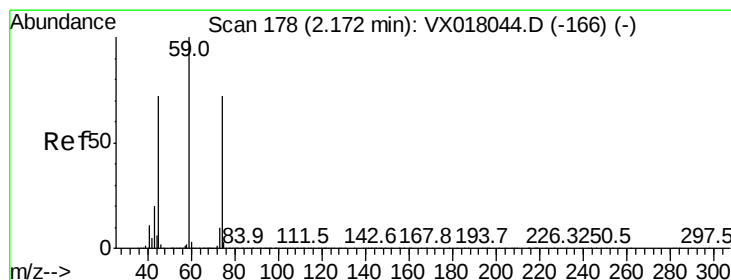
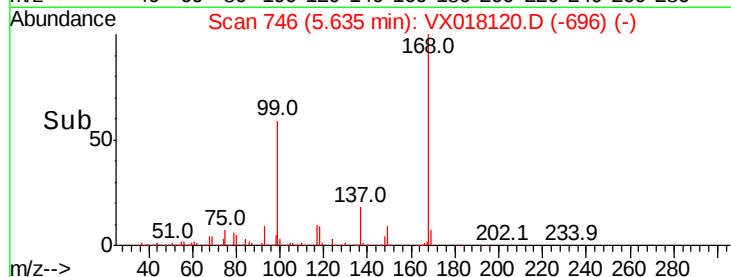
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 0.639 ug/l

RT: 2.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VX018120.D

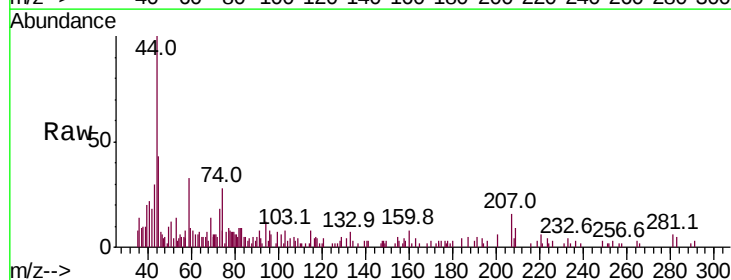
Acq: 28 Aug 2020 15:07

Tgt Ion: 74 Resp: 2247

Ion Ratio Lower Upper

74 100

45 105.7 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2000

1500

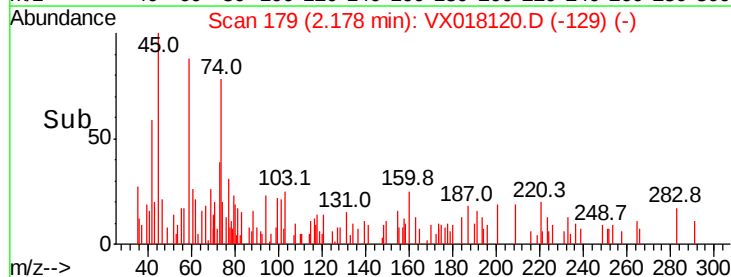
1000

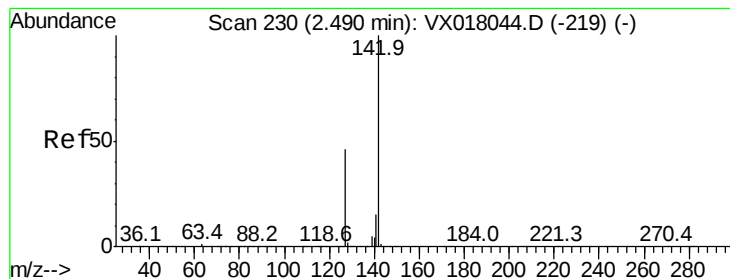
500

0

Time-->

2.10 2.15 2.20





#10

Methyl Iodide

Concen: 5.380 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018120.D

Acq: 28 Aug 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200827

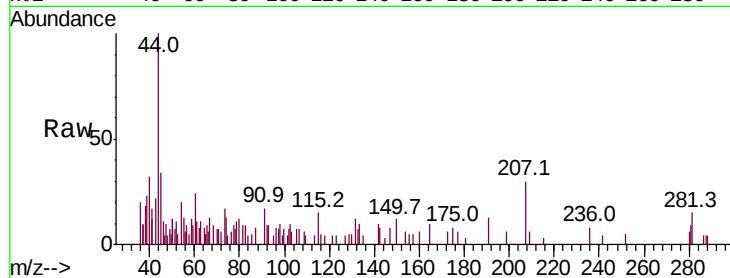
Tot Ion:142 Resp: 624

Ion Ratio Lower Upper

142 100

127 69.2 37.0 55.6#

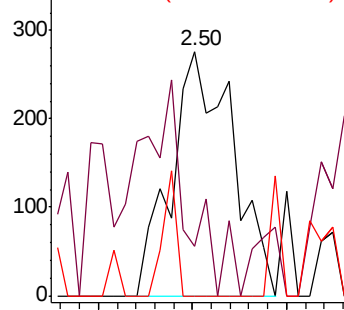
141 11.2 11.5 17.3#



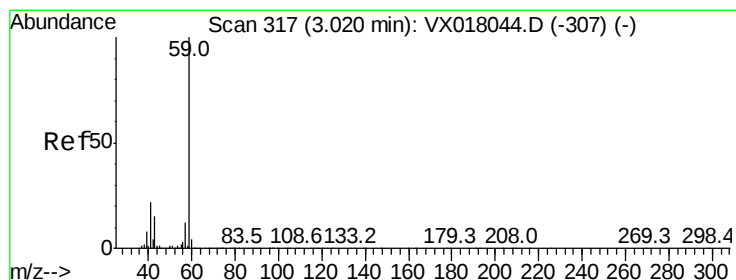
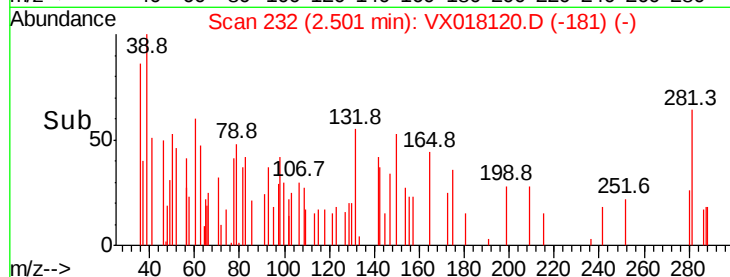
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



#11

Tert butyl alcohol

Concen: 0.838 ug/l

RT: 3.02 min Scan# 317

Delta R.T. -0.00 min

Lab File: VX018120.D

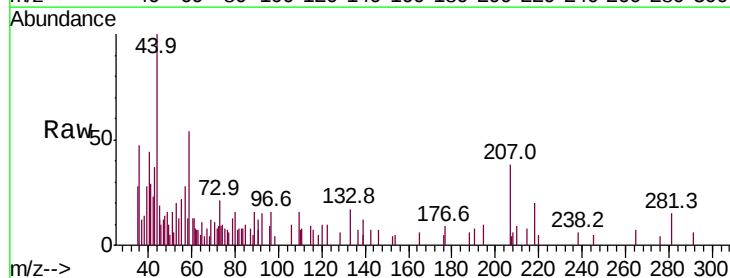
Acq: 28 Aug 2020 15:07

Tgt Ion: 59 Resp: 1347

Ion Ratio Lower Upper

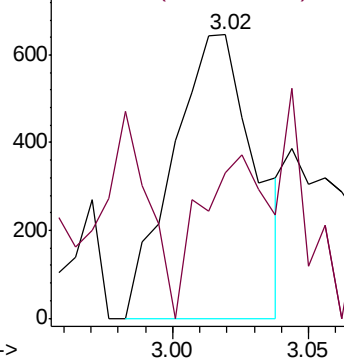
59 100

57 47.4 8.9 13.3#

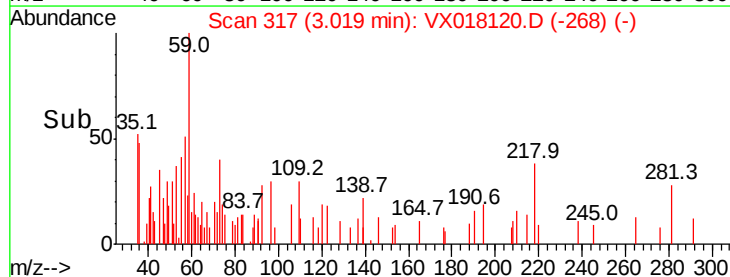


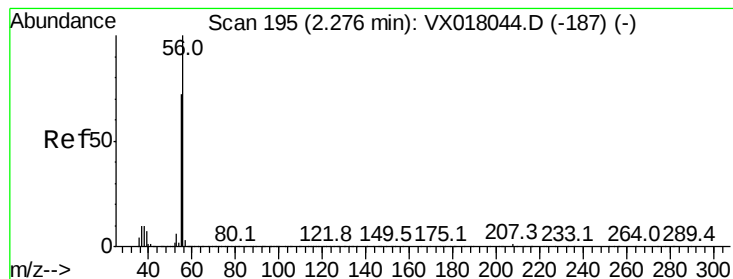
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->





#13

Acrolein

Concen: 0.365 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX018120.D

Acq: 28 Aug 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

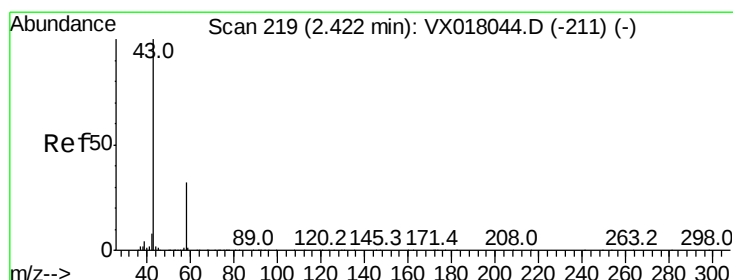
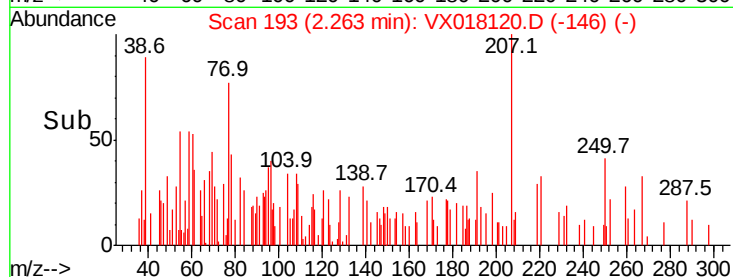
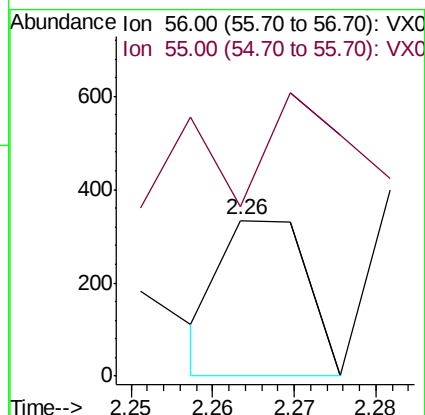
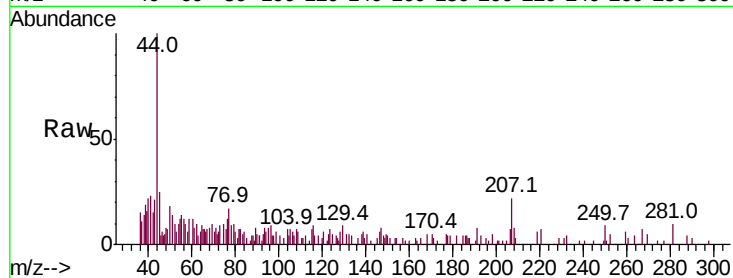
FB-01-20200827

Tot Ion: 56 Resp: 243

Ion Ratio Lower Upper

56 100

55 225.1 57.0 85.6#



#16

Acetone

Concen: 4.000 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018120.D

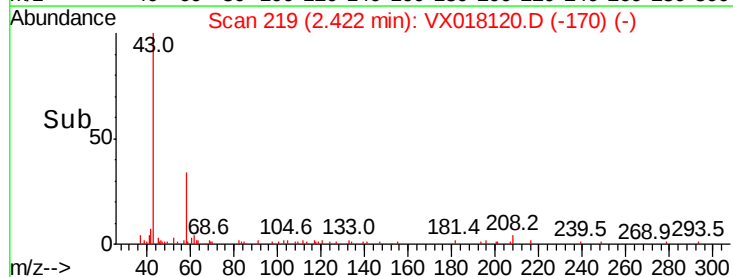
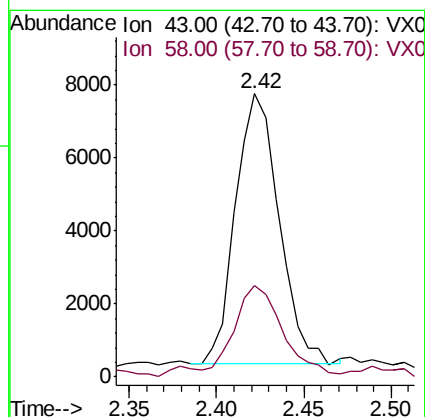
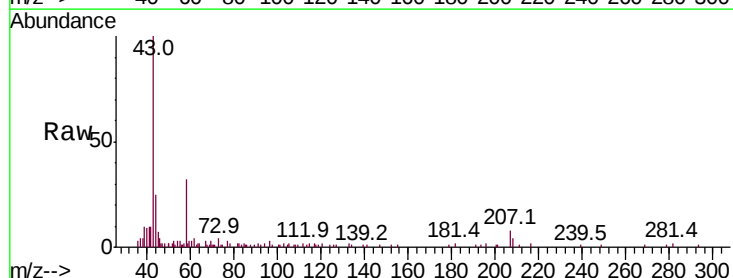
Acq: 28 Aug 2020 15:07

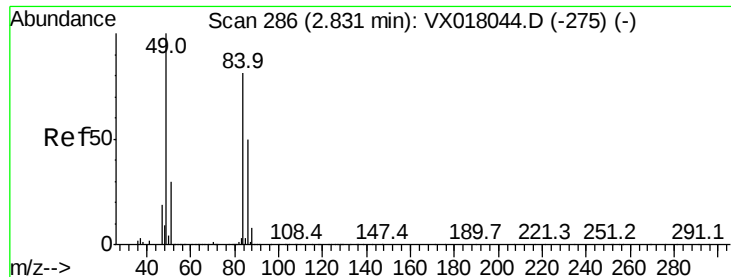
Tgt Ion: 43 Resp: 12884

Ion Ratio Lower Upper

43 100

58 32.9 25.5 38.3





#20

Methylene Chloride

Concen: 14.518 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018120.D

Acq: 28 Aug 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200827

Tot Ion: 84 Resp: 101081

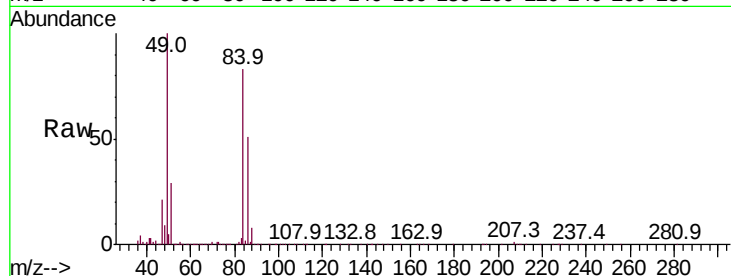
Ion Ratio Lower Upper

84 100

49 120.2 98.6 148.0

51 34.4 29.6 44.4

86 61.1 49.8 74.6

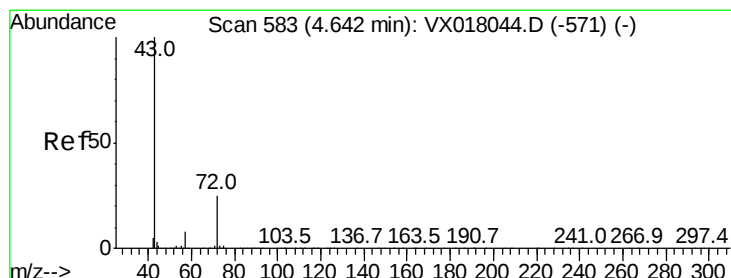
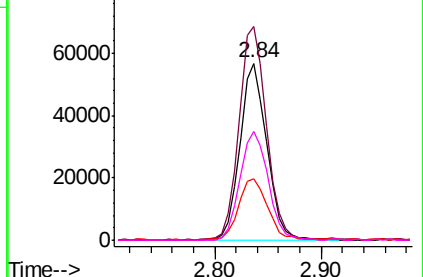
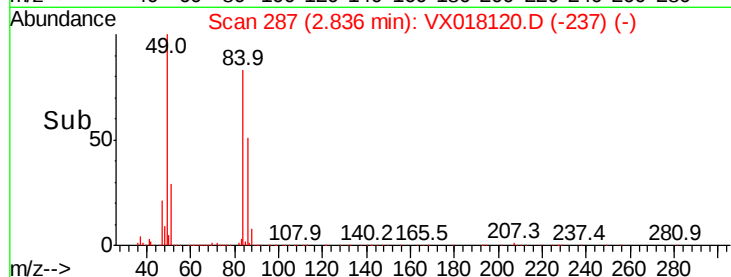


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.395 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX018120.D

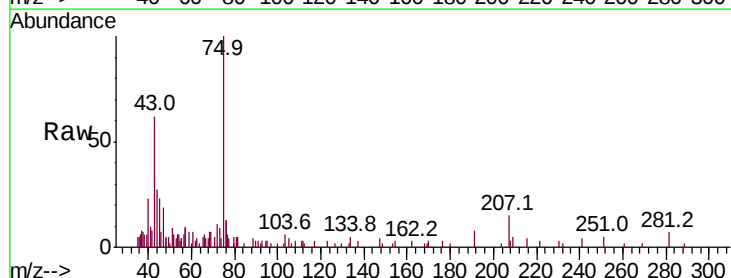
Acq: 28 Aug 2020 15:07

Tgt Ion: 43 Resp: 2091

Ion Ratio Lower Upper

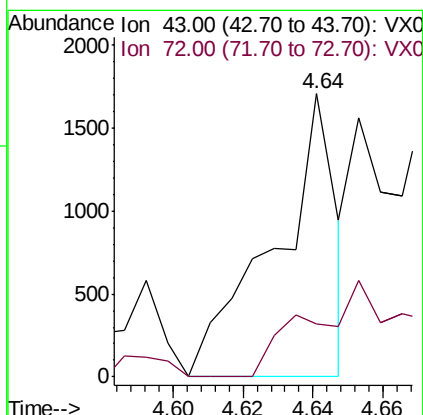
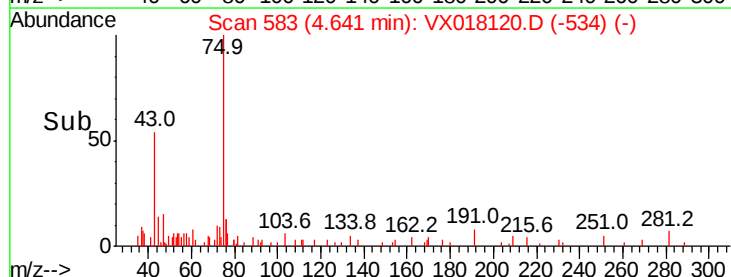
43 100

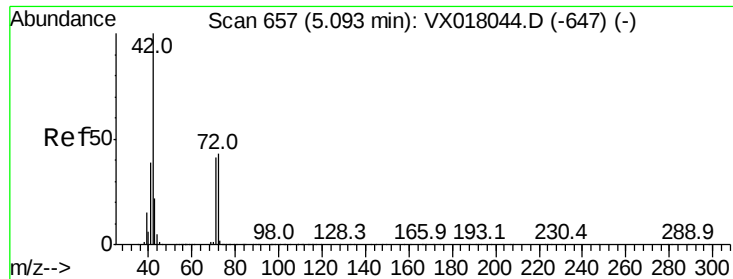
72 18.6 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

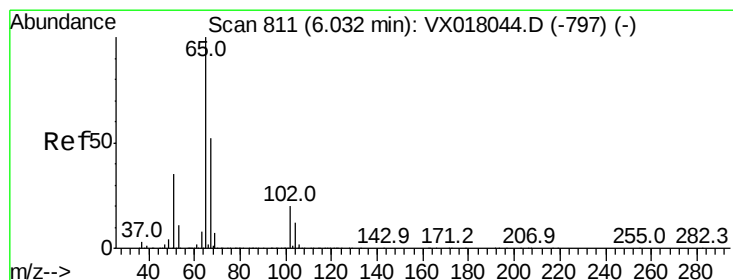
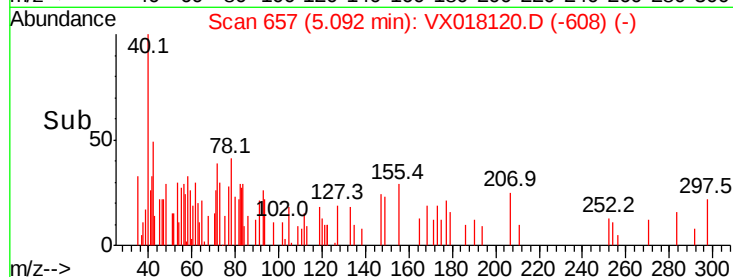
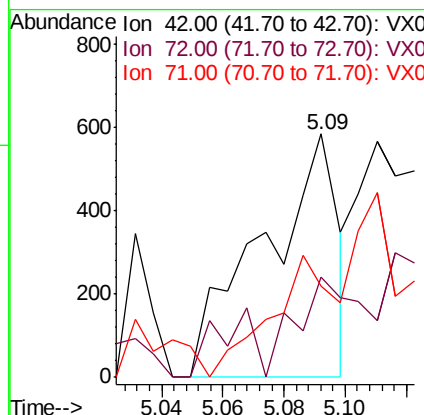
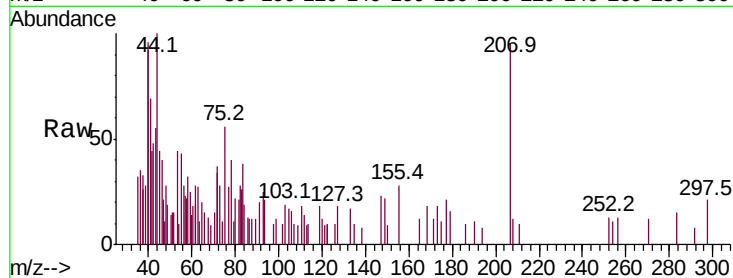




#29
Tetrahydrofuran
Concen: 0.296 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX018120.D
Acq: 28 Aug 2020 15:07

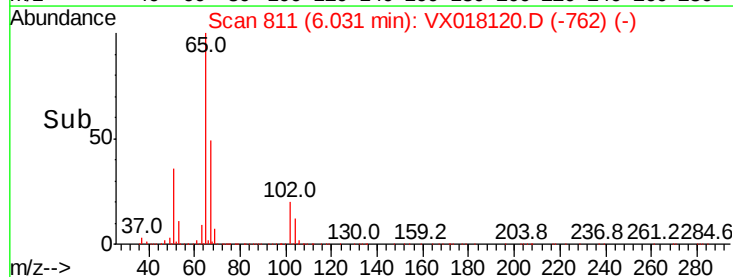
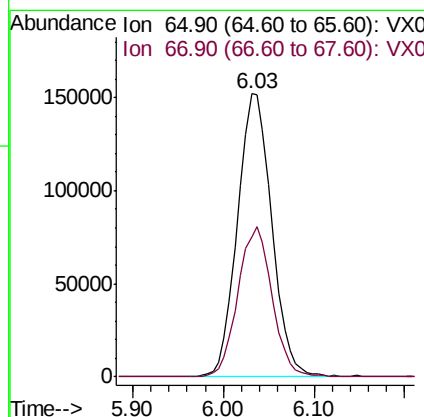
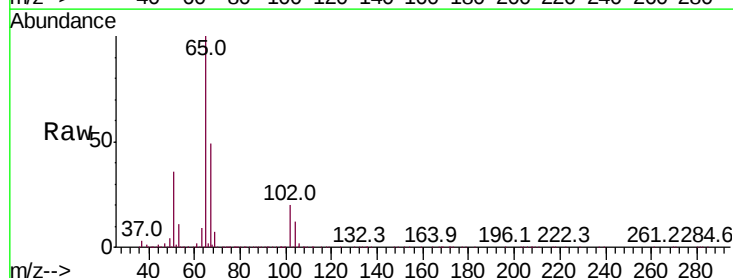
Instrument :
MSVOA_X
ClientSampled :
FB-01-20200827

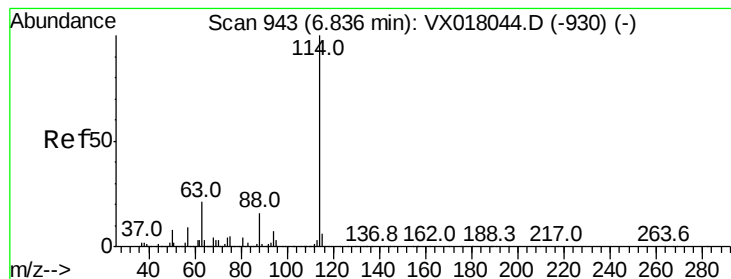
Tot Ion: 42 Resp: 999
Ion Ratio Lower Upper
42 100
72 37.1 34.2 51.4
71 0.0 32.1 48.1#



#33
1,2-Dichloroethane-d4
Concen: 48.286 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018120.D
Acq: 28 Aug 2020 15:07

Tgt Ion: 65 Resp: 399180
Ion Ratio Lower Upper
65 100
67 52.5 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: VX018120.D

Acq: 28 Aug 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200827

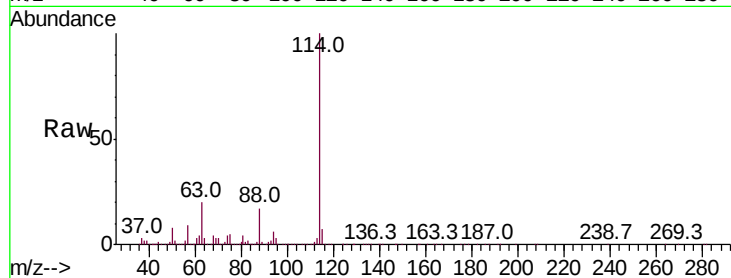
Tot Ion:114 Resp: 975099

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

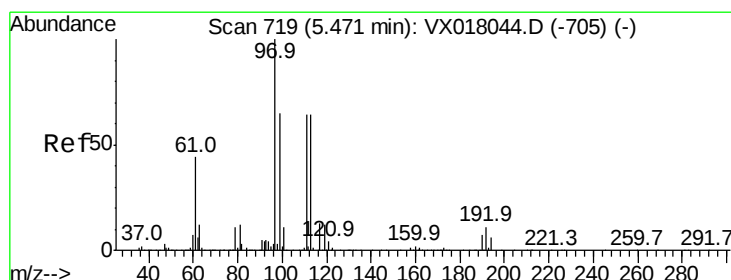
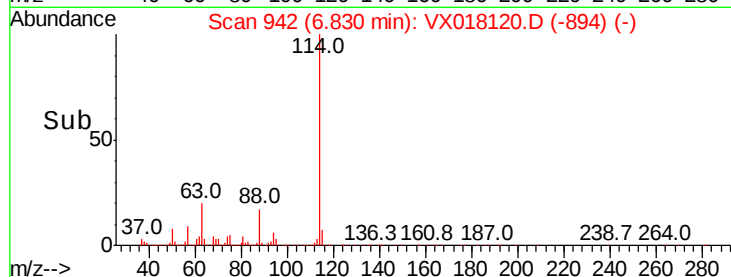
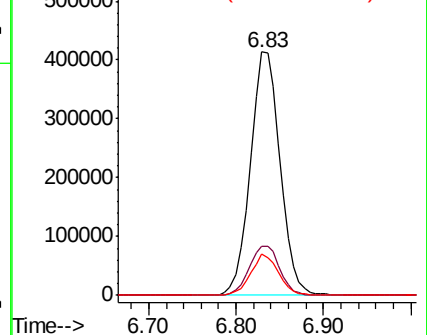
88 17.2 0.0 31.8



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: 49.089 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018120.D

Acq: 28 Aug 2020 15:07

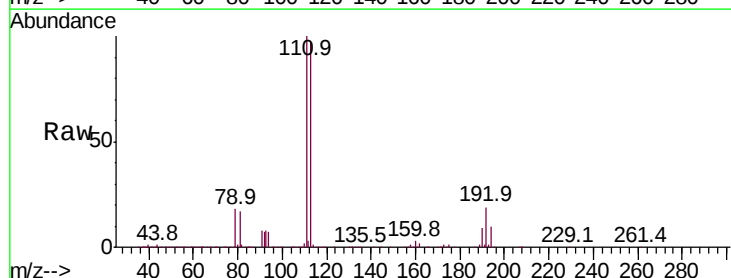
Tgt Ion:113 Resp: 325994

Ion Ratio Lower Upper

113 100

111 102.2 81.6 122.4

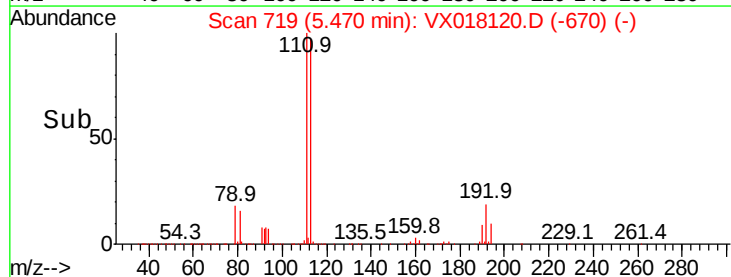
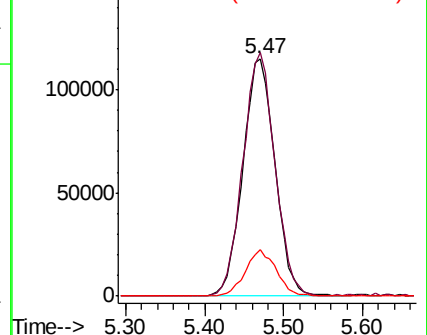
192 18.9 15.8 23.8

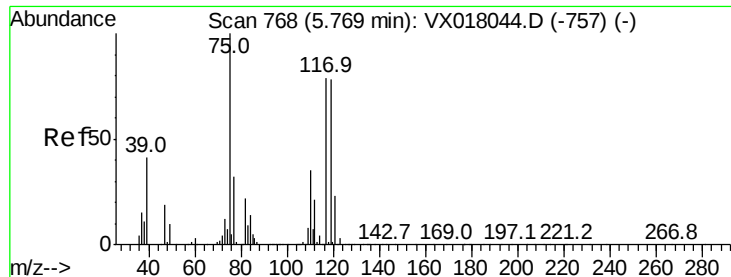


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.024 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018120.D

Acq: 28 Aug 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200827

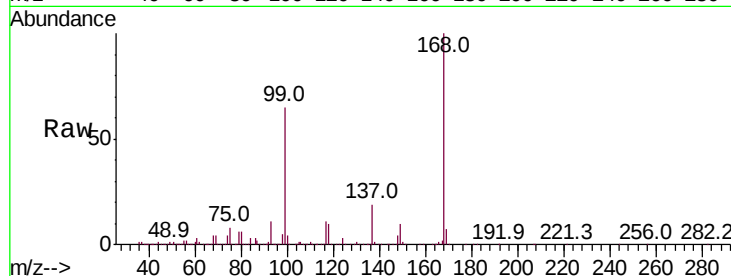
Tot Ion: 75 Resp: 45184

Ion Ratio Lower Upper

75 100

110 10.4 18.0 54.0#

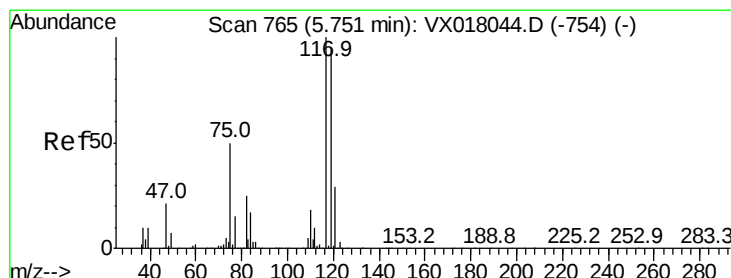
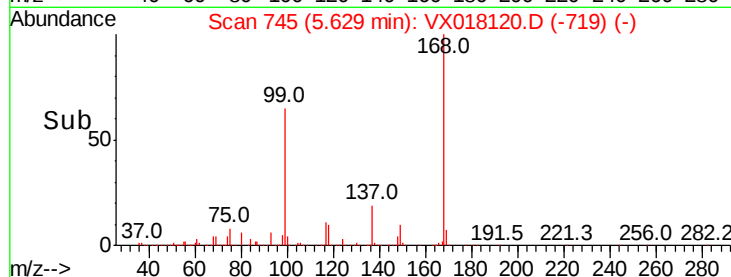
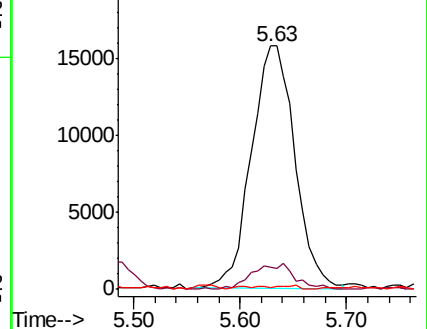
77 0.0 24.4 36.6#



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: 6.015 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018120.D

Acq: 28 Aug 2020 15:07

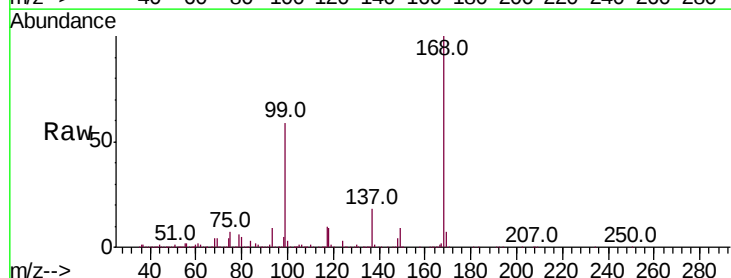
Tgt Ion: 117 Resp: 60964

Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

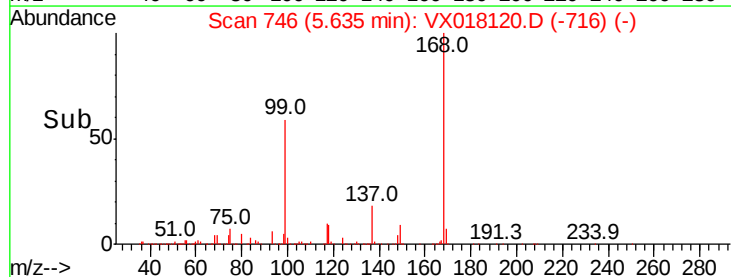
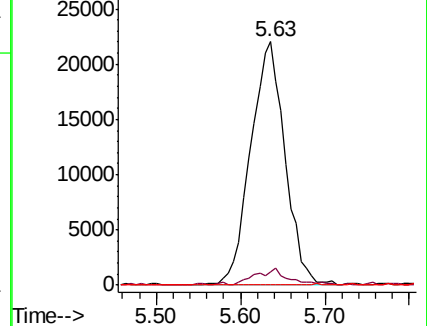
121 0.0 23.4 35.0#

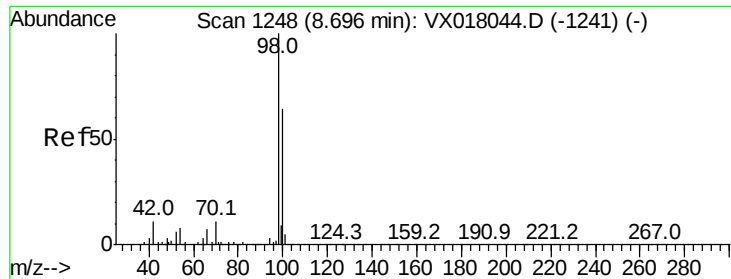


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 47.899 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018120.D

Acq: 28 Aug 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

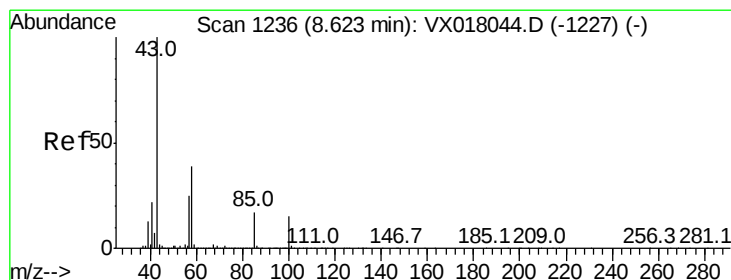
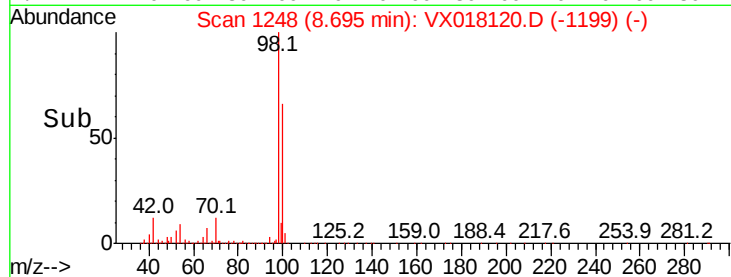
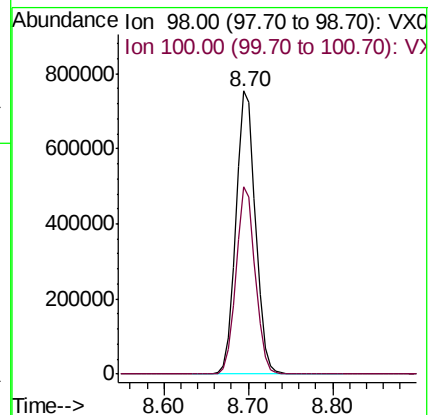
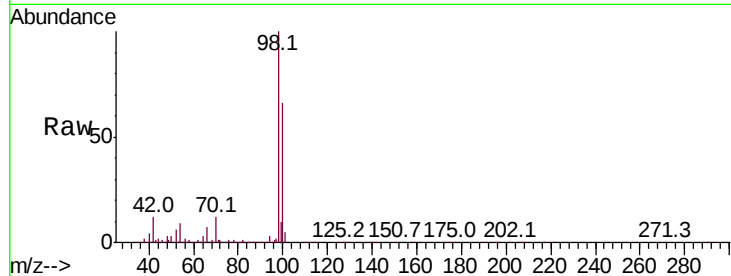
FB-01-20200827

Tot Ion: 98 Resp: 1184761

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 0.284 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX018120.D

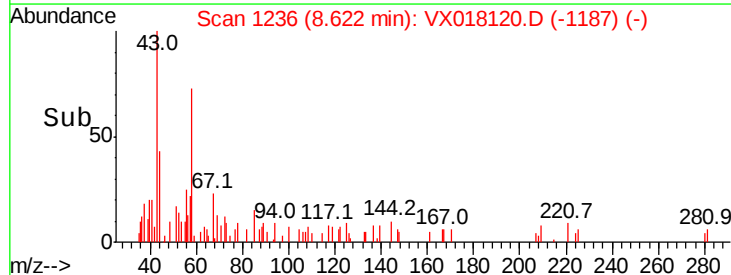
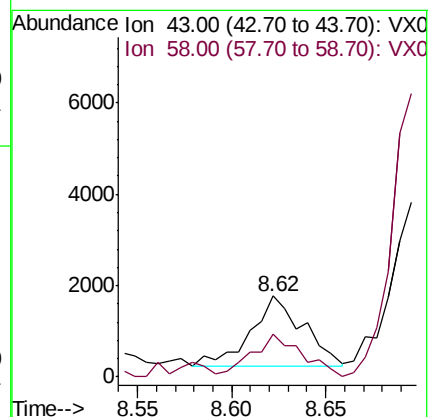
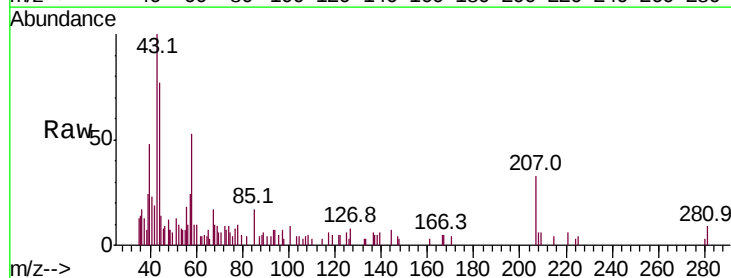
Acq: 28 Aug 2020 15:07

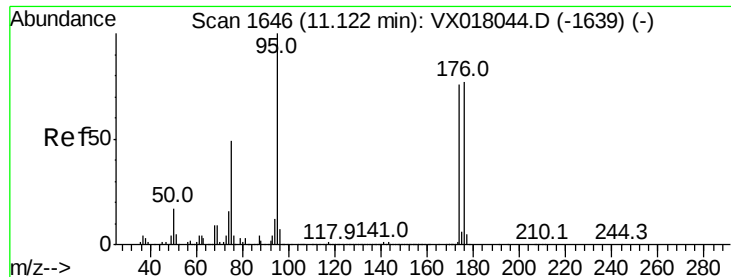
Tgt Ion: 43 Resp: 2957

Ion Ratio Lower Upper

43 100

58 58.4 30.7 46.1#





#62

4-Bromofluorobenzene

Concen: 44.848 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018120.D

Acq: 28 Aug 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200827

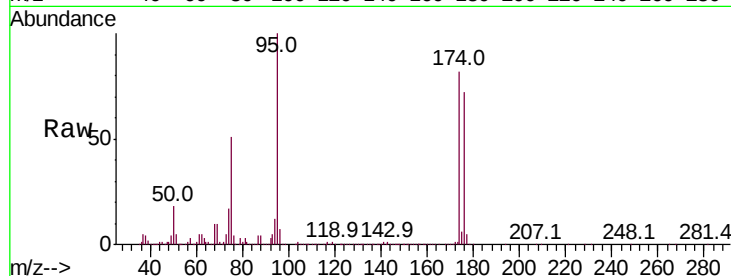
Tot Ion: 95 Resp: 436442

Ion Ratio Lower Upper

95 100

174 82.1 0.0 160.2

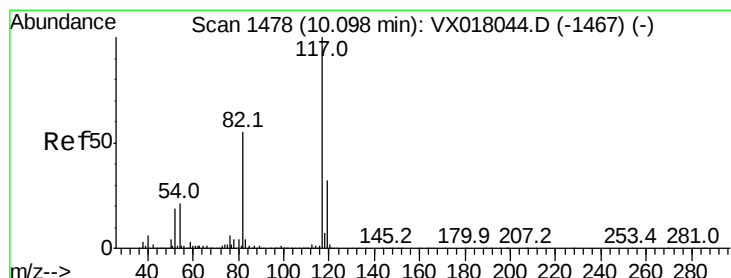
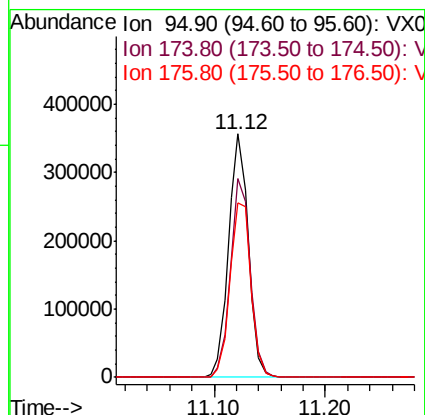
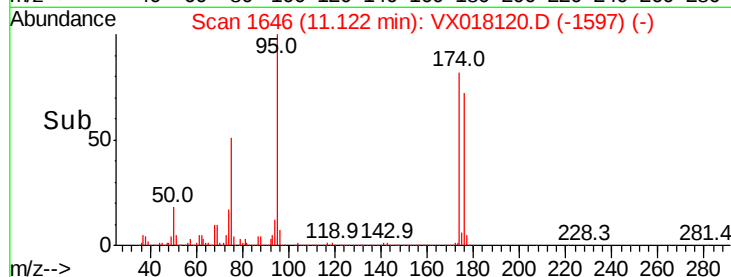
176 76.2 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018120.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018120.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018120.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018120.D

Acq: 28 Aug 2020 15:07

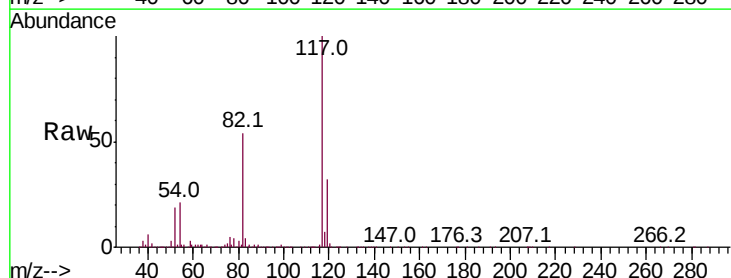
Tgt Ion: 117 Resp: 924149

Ion Ratio Lower Upper

117 100

82 54.4 44.2 66.2

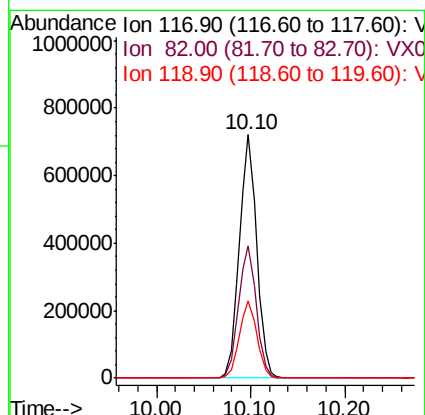
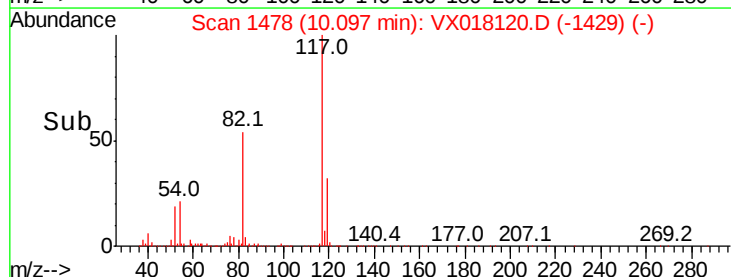
119 31.8 25.7 38.5

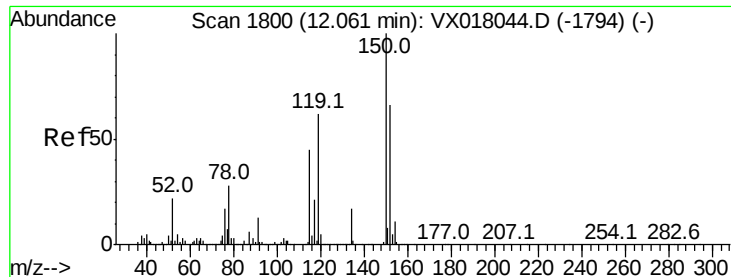


Abundance Ion 116.90 (116.60 to 117.60): VX018120.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018120.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018120.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX018120.D

Acq: 28 Aug 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200827

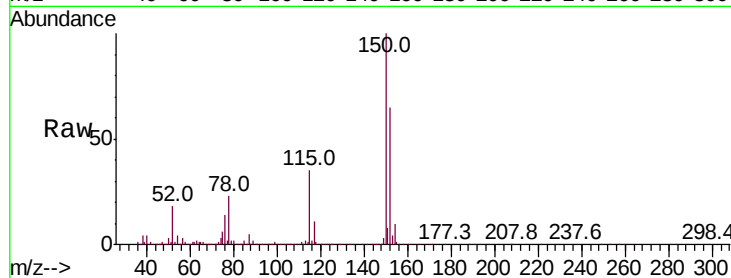
Tot Ion:152 Resp: 440795

Ion Ratio Lower Upper

152 100

115 59.1 41.5 124.5

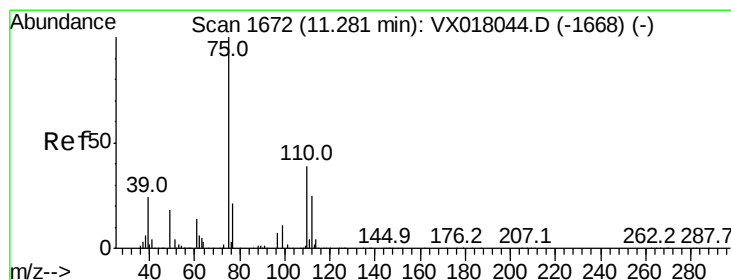
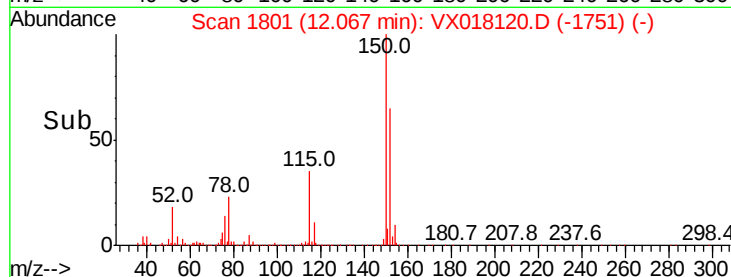
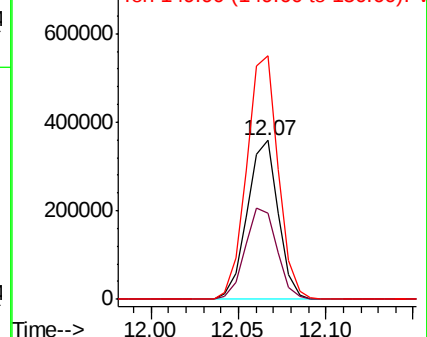
150 156.1 0.0 343.8



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: 22.789 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018120.D

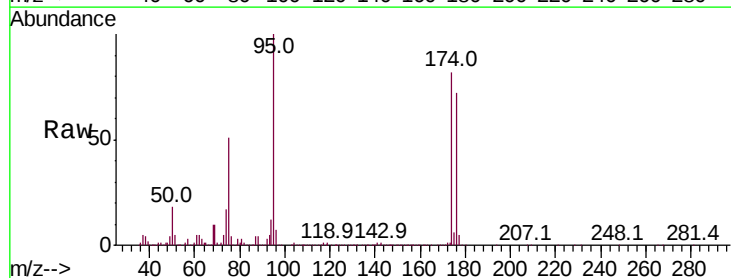
Acq: 28 Aug 2020 15:07

Tgt Ion: 75 Resp: 223457

Ion Ratio Lower Upper

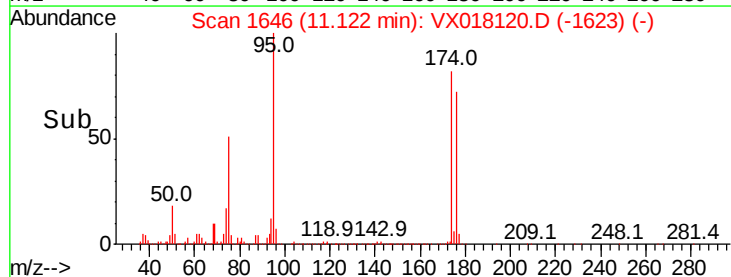
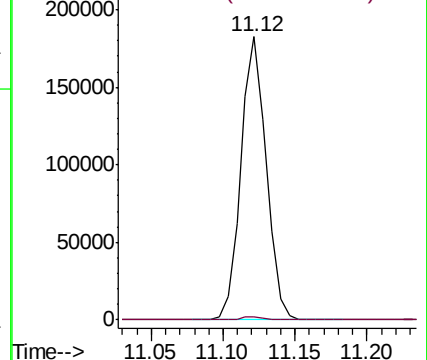
75 100

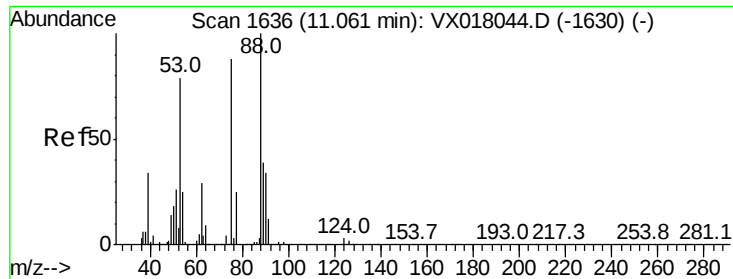
77 1.1 20.8 62.2#



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: 61.548 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018120.D

Acq: 28 Aug 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200827

Tot Ion: 75 Resp: 223457

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.1 36.6 54.8#

