

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018144.D
 Acq On : 31 Aug 2020 13:59
 Operator : JC/SP
 Sample : L3831-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-01-20200827

Quant Time: Sep 01 05:30:37 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	5.64	168	573411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	940499	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	871835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	414474	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	384117	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
35) Dibromofluoromethane	5.46	113	316675	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
50) Toluene-d8	8.70	98	1133859	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
62) 4-Bromofluorobenzene	11.12	95	421049	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	

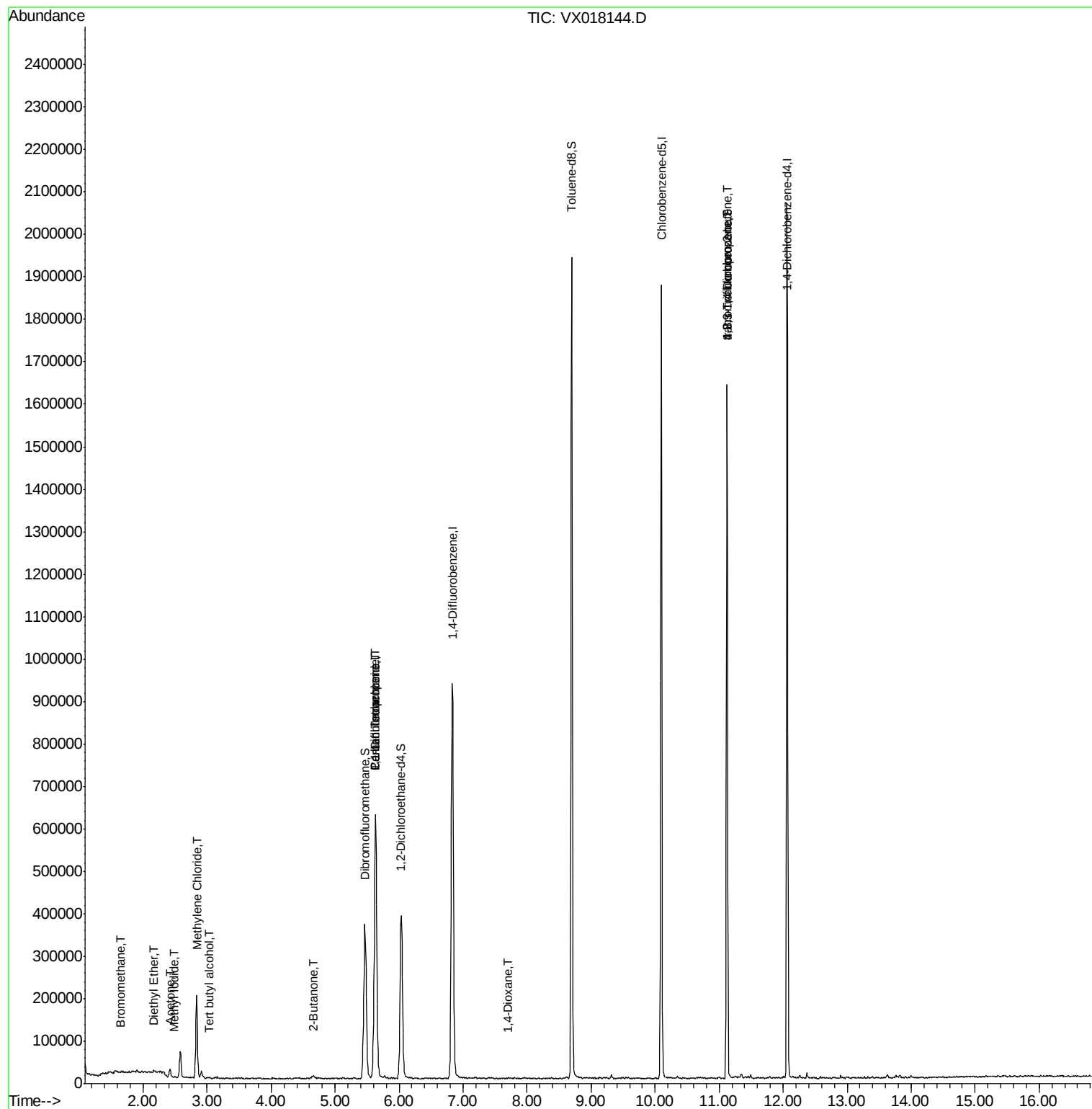
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1037	0.293	ug/l #	71
8) Diethyl Ether	2.17	74	2409	0.711	ug/l	68
10) Methyl Iodide	2.50	142	1256	5.481	ug/l #	90
11) Tert butyl alcohol	3.03	59	1430	0.924	ug/l #	1
16) Acetone	2.42	43	18303	5.901	ug/l #	86
20) Methylene Chloride	2.84	84	90637	13.437	ug/l	98
25) 2-Butanone	4.65	43	4007	0.786	ug/l #	83
36) 1,1-Dichloropropene	5.64	75	43220	4.982	ug/l #	53
38) Carbon Tetrachloride	5.63	117	59174	6.053	ug/l #	16
49) 1,4-Dioxane	7.71	88	120	0.818	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	213093	23.112	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	213093	62.421	ug/l #	12

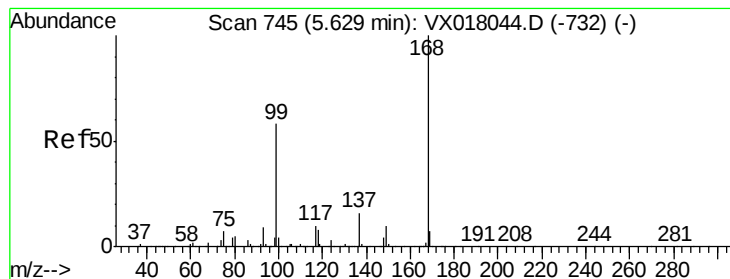
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018144.D

Acq: 31 Aug 2020 13:59

Instrument :

MSVOA_X

ClientSampleId :

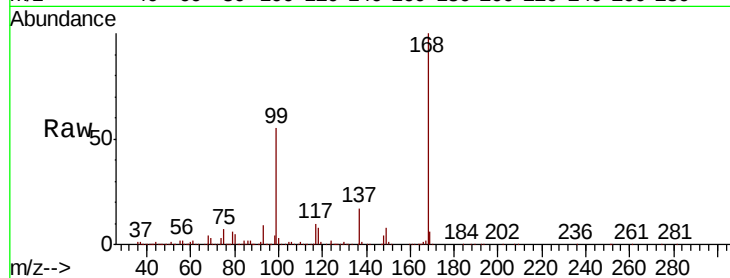
FB-01-20200827

Tot Ion:168 Resp: 573411

Ion Ratio Lower Upper

168 100

99 54.6 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

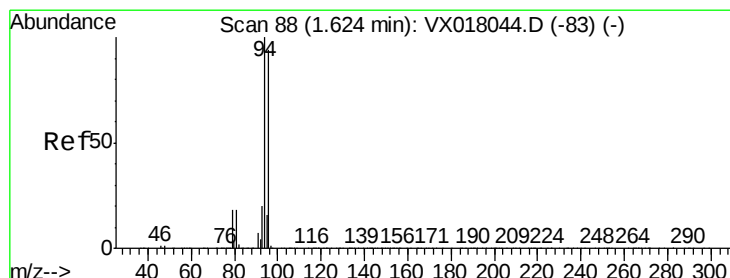
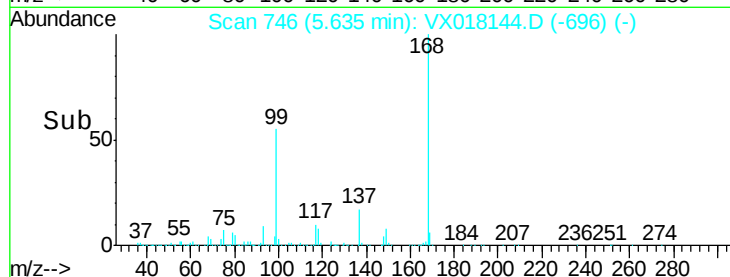
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.293 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018144.D

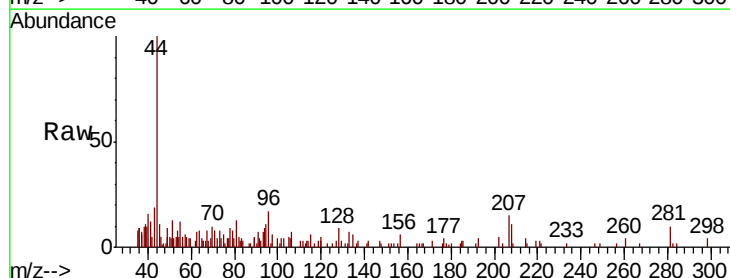
Acq: 31 Aug 2020 13:59

Tgt Ion: 94 Resp: 1037

Ion Ratio Lower Upper

94 100

96 65.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

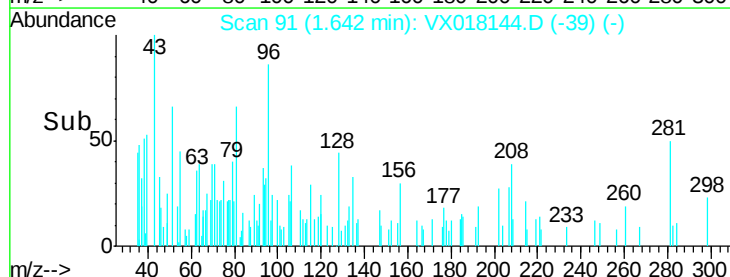
600

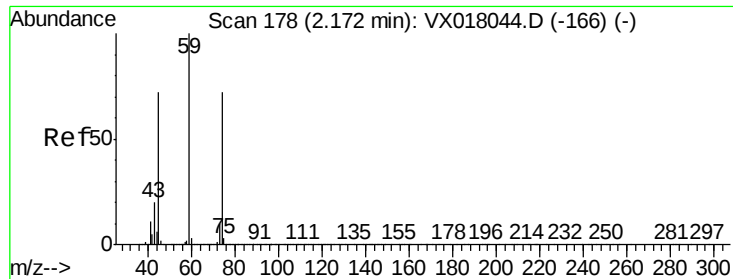
400

200

0

Time-->





#8

Diethyl Ether

Concen: 0.711 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.01 min

Lab File: VX018144.D

Acq: 31 Aug 2020 13:59

Instrument :

MSVOA_X

ClientSampleId :

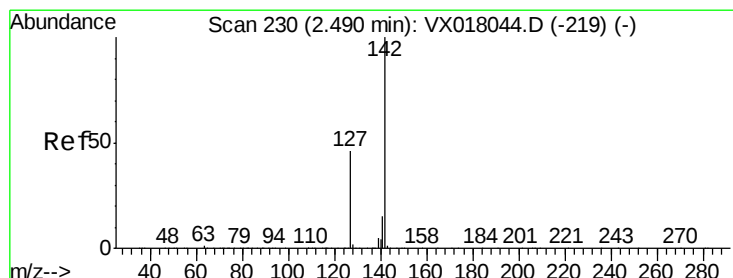
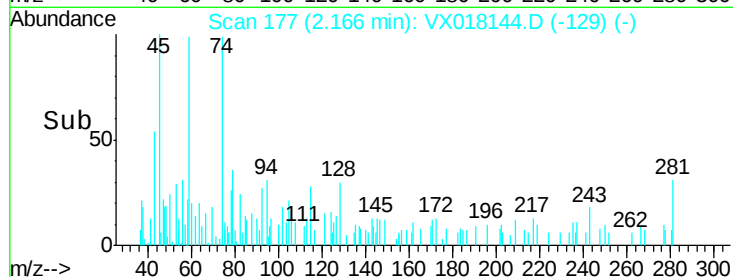
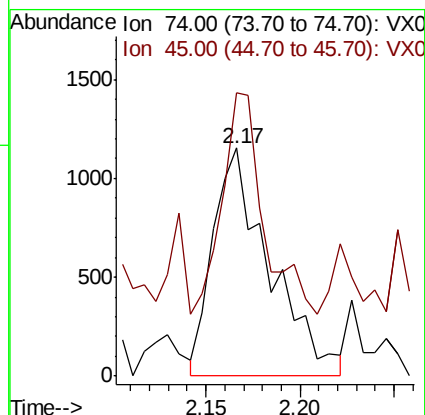
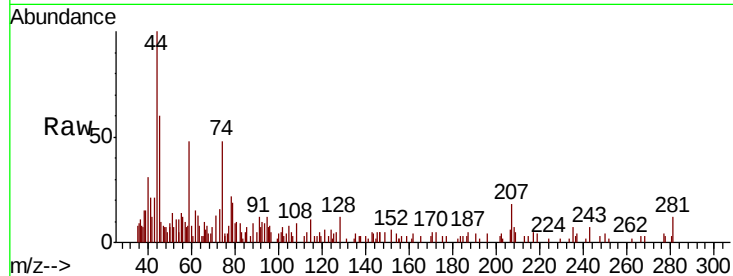
FB-01-20200827

Tot Ion: 74 Resp: 2409

Ion Ratio Lower Upper

74 100

45 69.7 50.7 152.3



#10

Methyl Iodide

Concen: 5.481 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018144.D

Acq: 31 Aug 2020 13:59

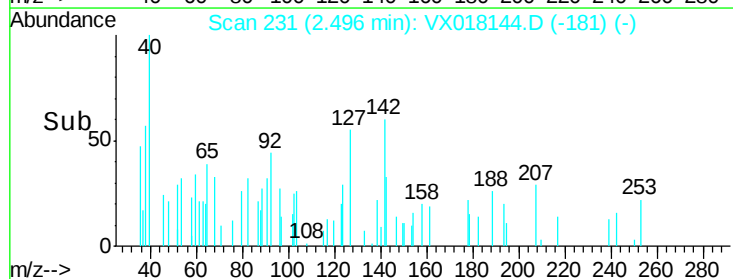
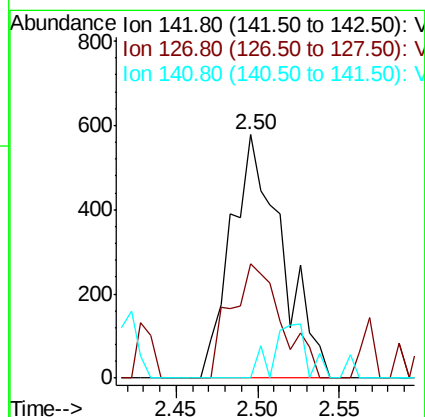
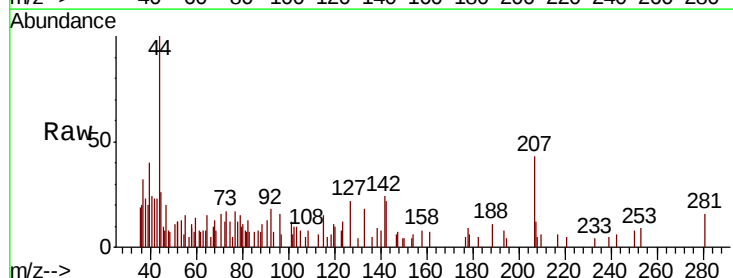
Tgt Ion: 142 Resp: 1256

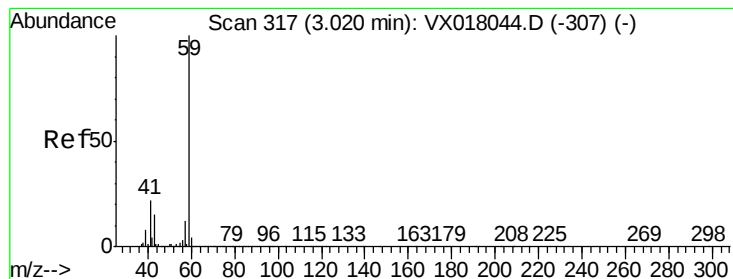
Ion Ratio Lower Upper

142 100

127 47.7 37.0 55.6

141 0.0 11.5 17.3#



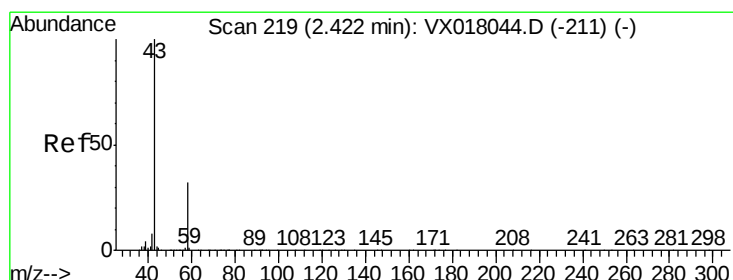
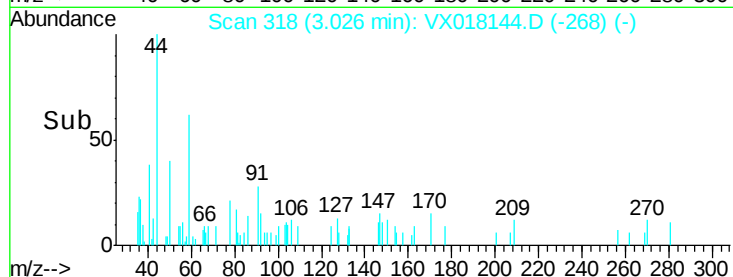
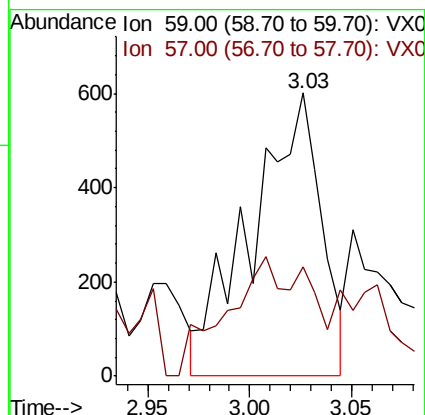
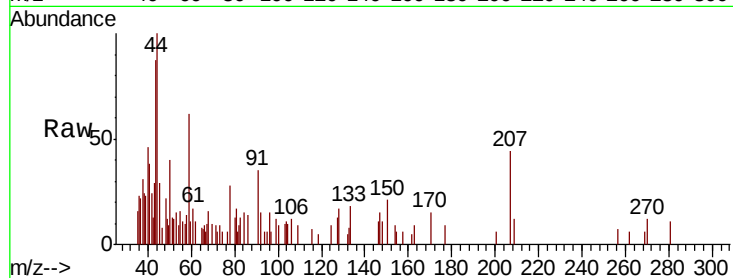


#11

Tert butyl alcohol
 Concen: 0.924 ug/l
 RT: 3.03 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VX018144.D
 Acq: 31 Aug 2020 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-01-20200827

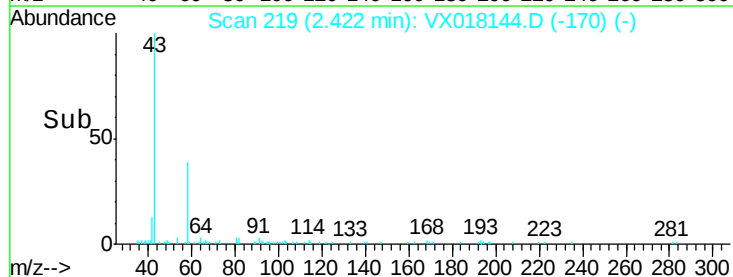
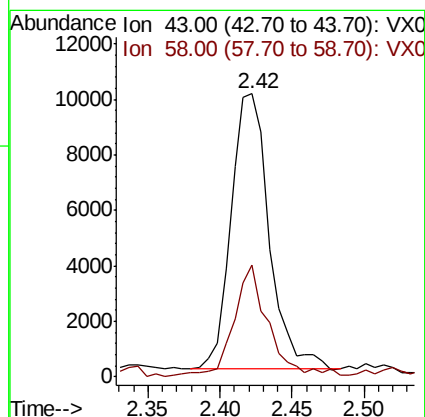
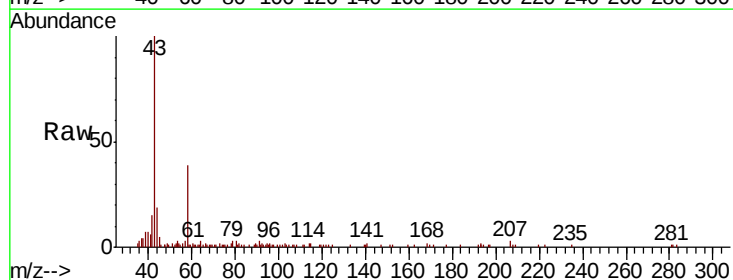
Tot Ion: 59 Resp: 1430
 Ion Ratio Lower Upper
 59 100
 57 49.5 8.9 13.3#

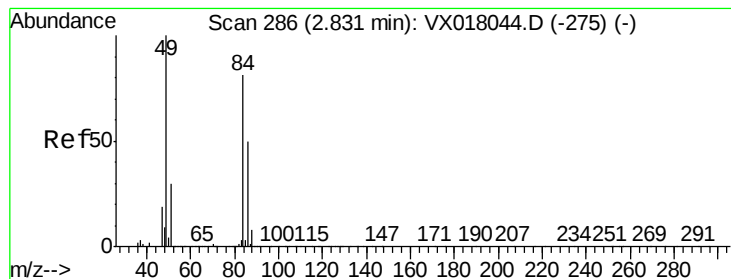


#16

Acetone
 Concen: 5.901 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX018144.D
 Acq: 31 Aug 2020 13:59

Tgt Ion: 43 Resp: 18303
 Ion Ratio Lower Upper
 43 100
 58 39.7 25.5 38.3#





#20

Methvlene Chloride

Concen: 13.437 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018144.D

Acq: 31 Aug 2020 13:59

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200827

Tot Ion: 84 Resp: 90637

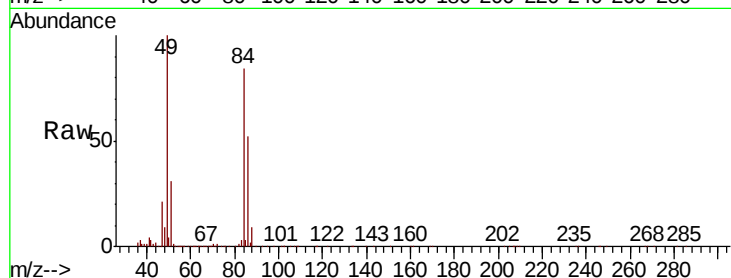
Ion Ratio Lower Upper

84 100

49 118.6 98.6 148.0

51 36.4 29.6 44.4

86 62.1 49.8 74.6

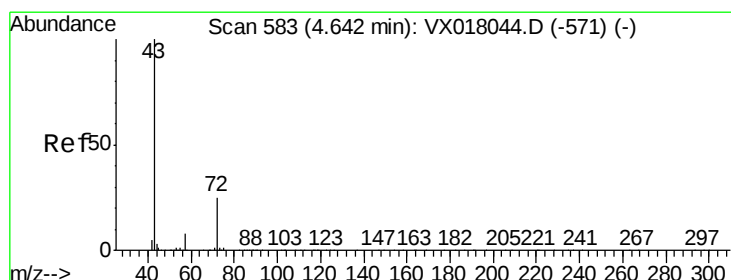
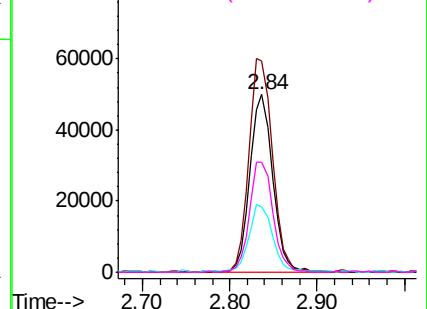
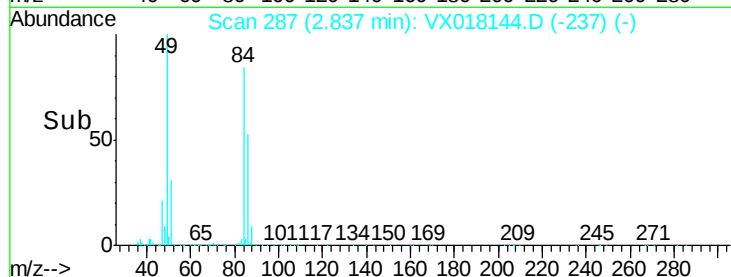


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.786 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.01 min

Lab File: VX018144.D

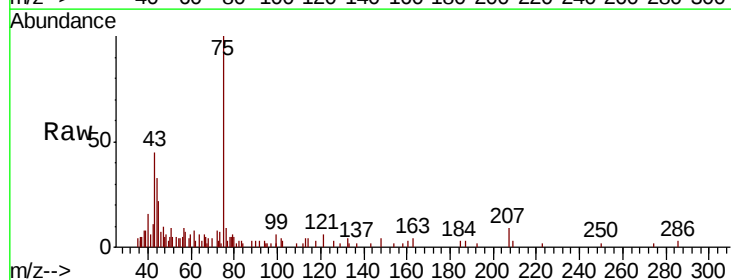
Acq: 31 Aug 2020 13:59

Tgt Ion: 43 Resp: 4007

Ion Ratio Lower Upper

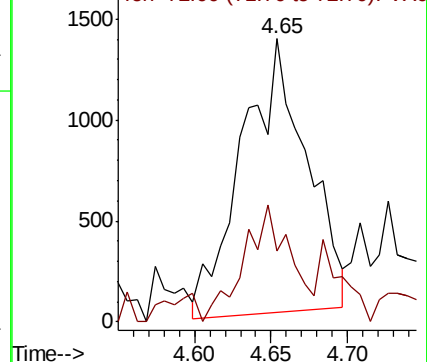
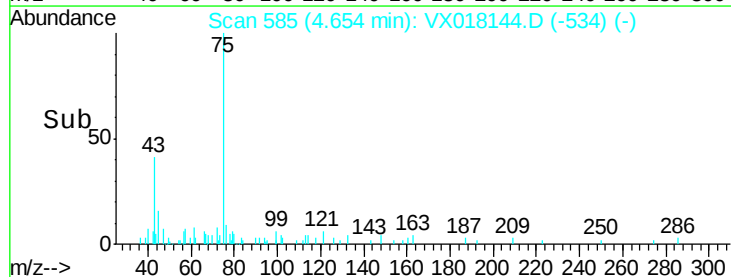
43 100

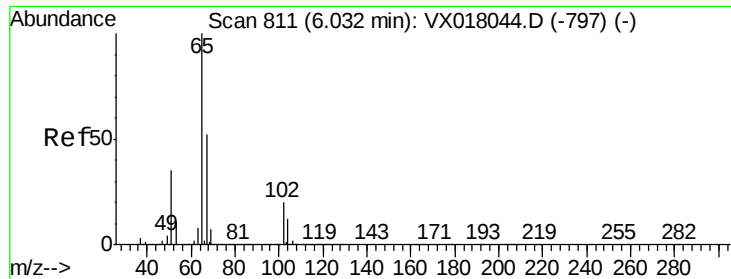
72 16.1 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

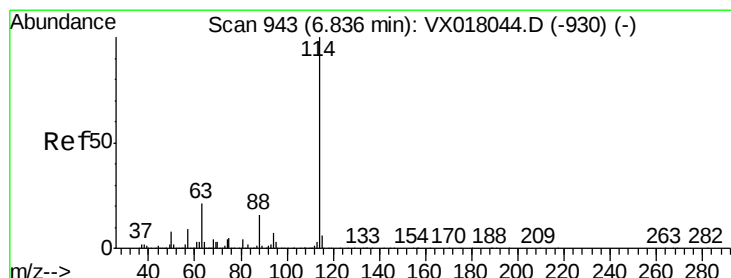
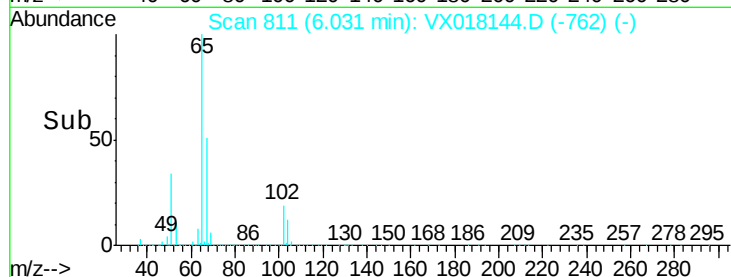
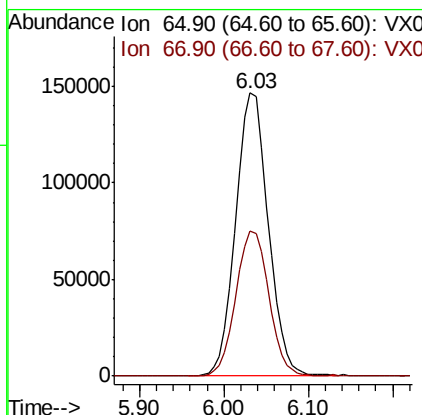
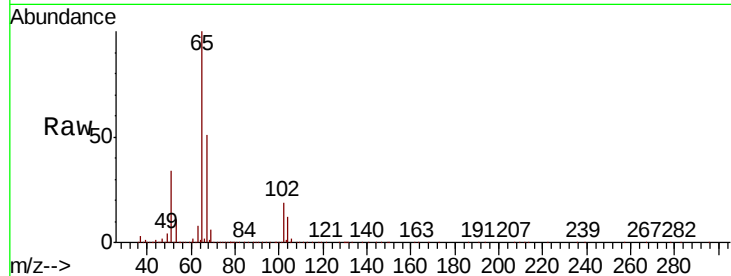




#33
 1,2-Dichloroethane-d4
 Concen: 48.253 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018144.D
 Acq: 31 Aug 2020 13:59

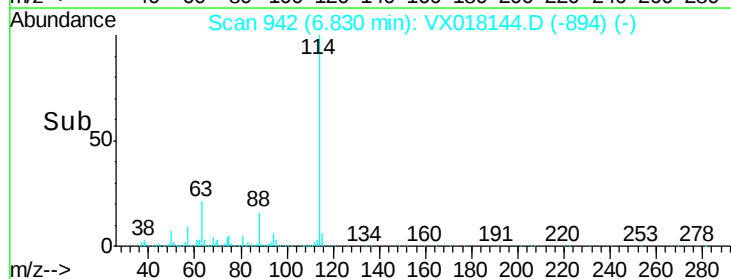
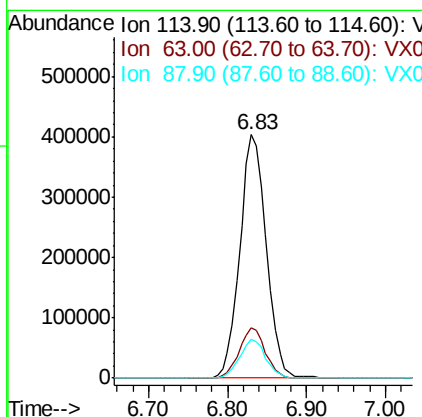
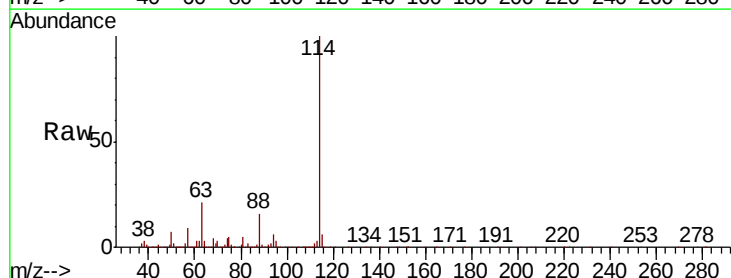
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-01-20200827

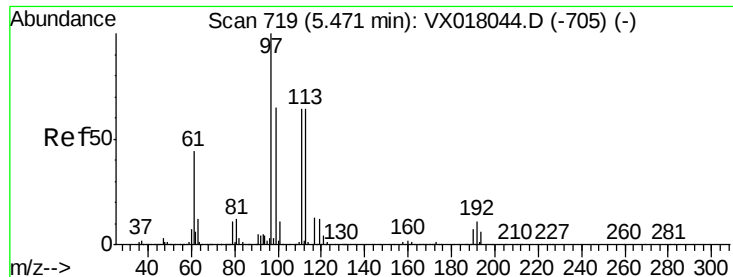
Tot Ion: 65 Resp: 384117
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018144.D
 Acq: 31 Aug 2020 13:59

Tgt Ion: 114 Resp: 940499
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.6
 88 16.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.440 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018144.D

Acq: 31 Aug 2020 13:59

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200827

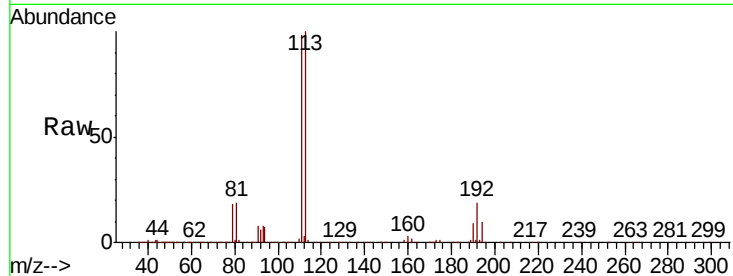
Tot Ion:113 Resp: 316675

Ion Ratio Lower Upper

113 100

111 101.0 81.6 122.4

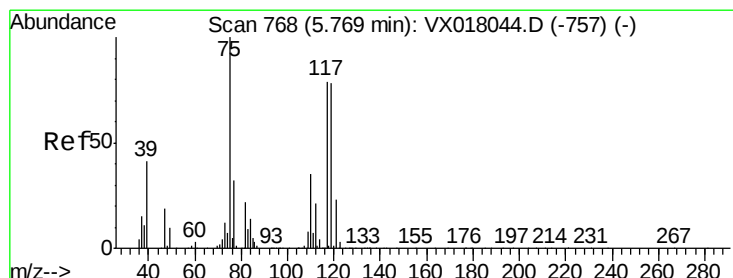
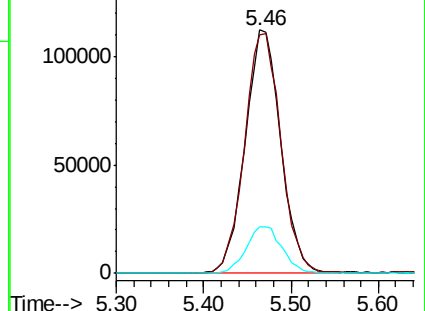
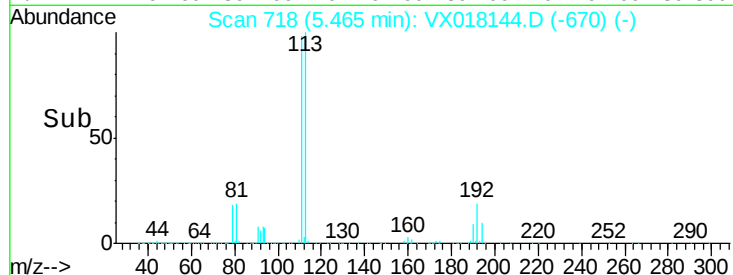
192 19.4 15.8 23.8



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: 4.982 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018144.D

Acq: 31 Aug 2020 13:59

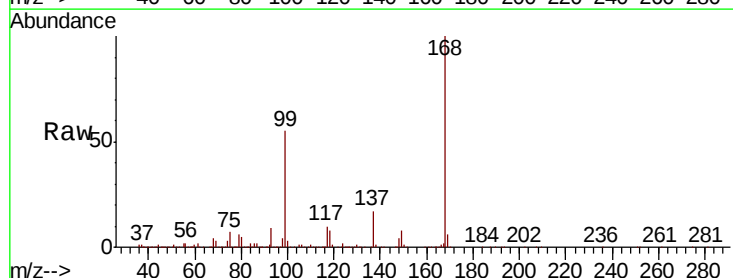
Tgt Ion: 75 Resp: 43220

Ion Ratio Lower Upper

75 100

110 11.6 18.0 54.0#

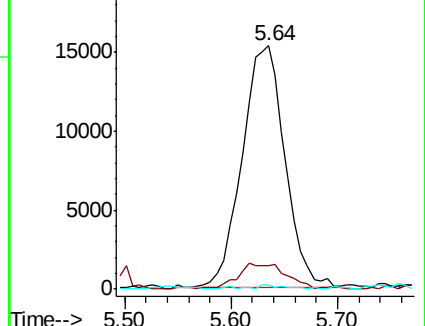
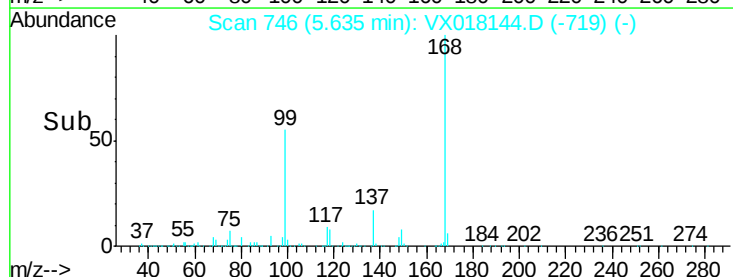
77 1.2 24.4 36.6#

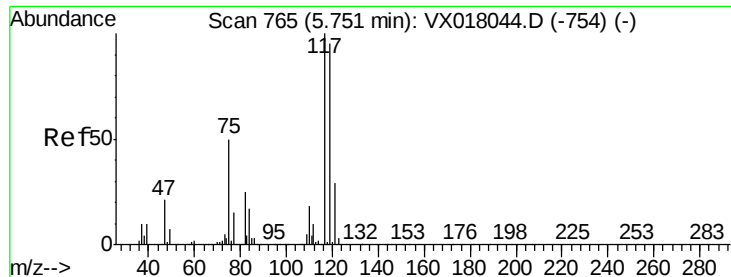


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.053 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018144.D

Acq: 31 Aug 2020 13:59

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200827

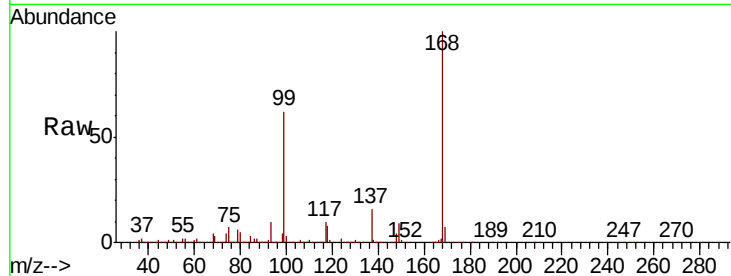
Tot Ion:117 Resp: 59174

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

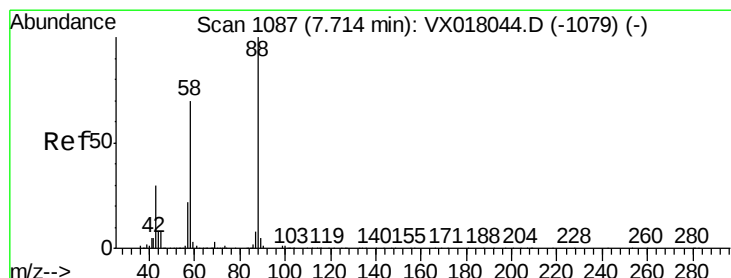
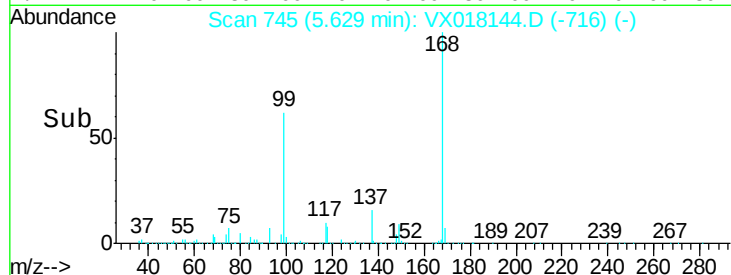
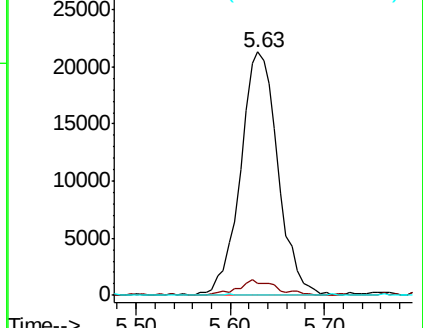
121 0.0 23.4 35.0#



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



#49

1,4-Dioxane

Concen: 0.818 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018144.D

Acq: 31 Aug 2020 13:59

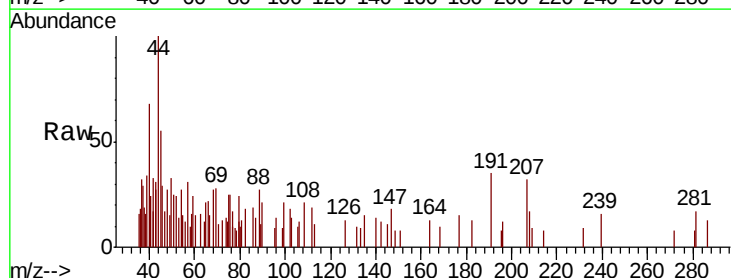
Tgt Ion: 88 Resp: 120

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

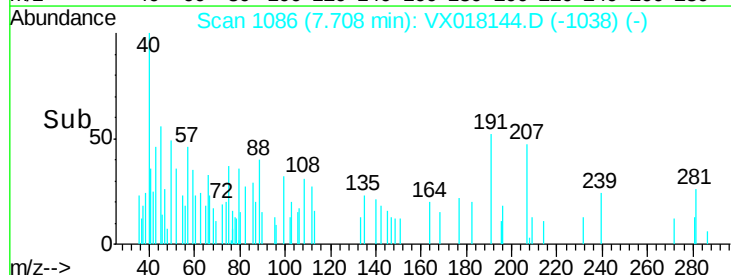
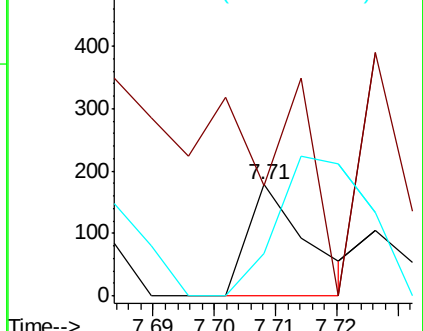
58 195.0 56.4 84.6#

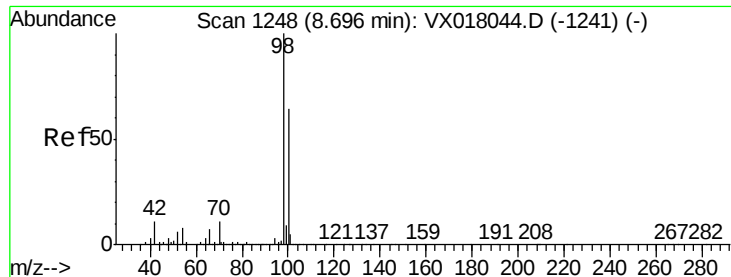


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.528 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018144.D

Acq: 31 Aug 2020 13:59

Instrument :

MSVOA_X

ClientSampleId :

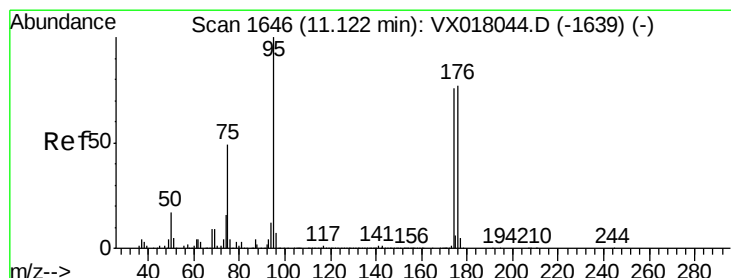
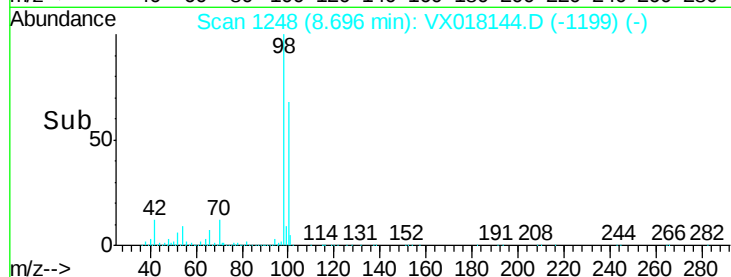
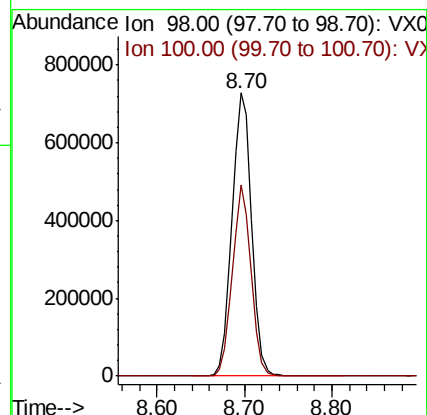
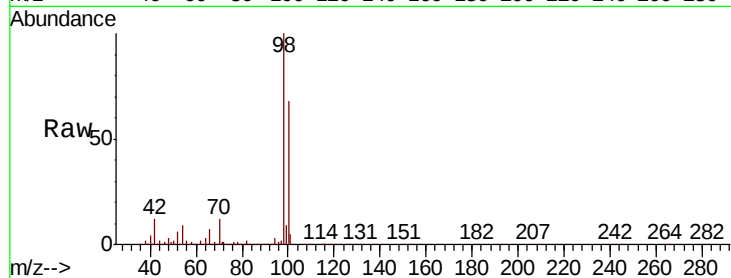
FB-01-20200827

Tot Ion: 98 Resp: 1133859

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 44.858 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018144.D

Acq: 31 Aug 2020 13:59

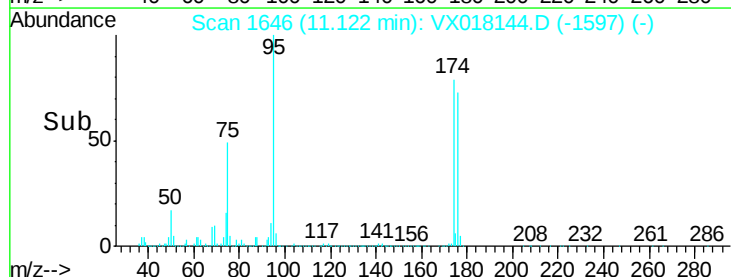
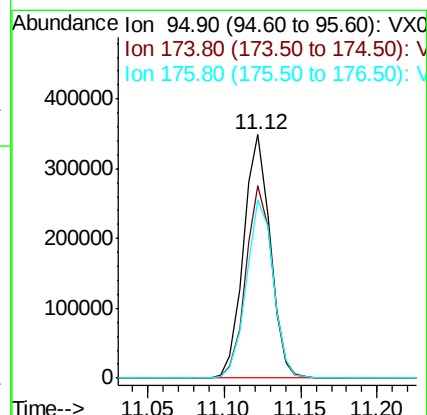
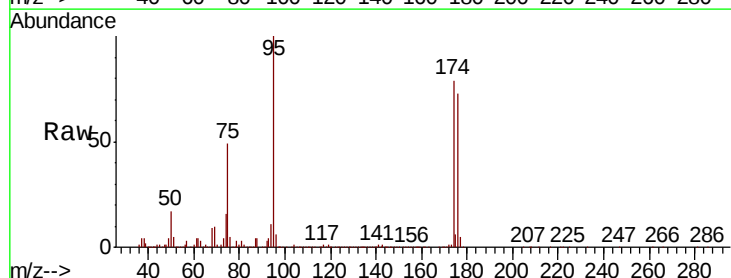
Tgt Ion: 95 Resp: 421049

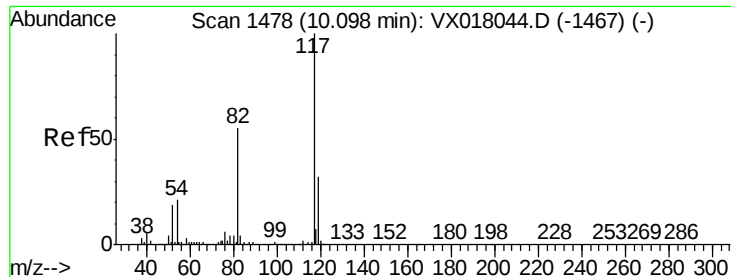
Ion Ratio Lower Upper

95 100

174 79.1 0.0 160.2

176 74.4 0.0 155.8

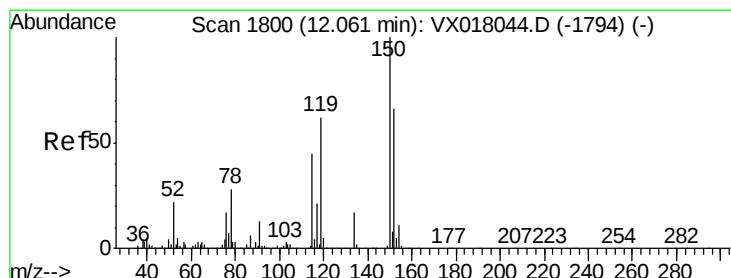
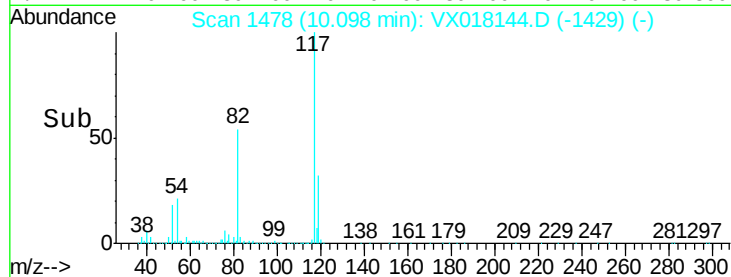
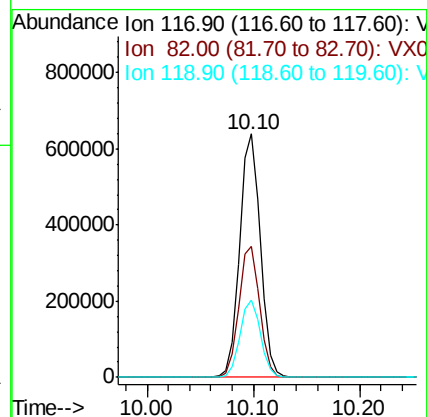
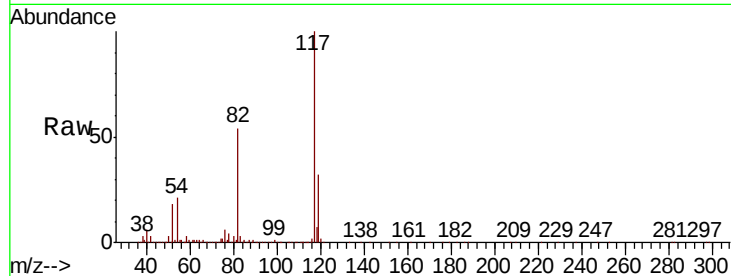




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018144.D
Acq: 31 Aug 2020 13:59

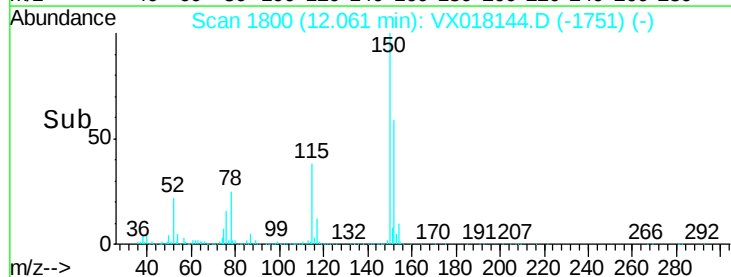
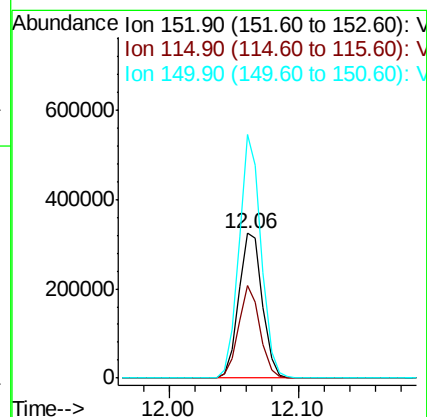
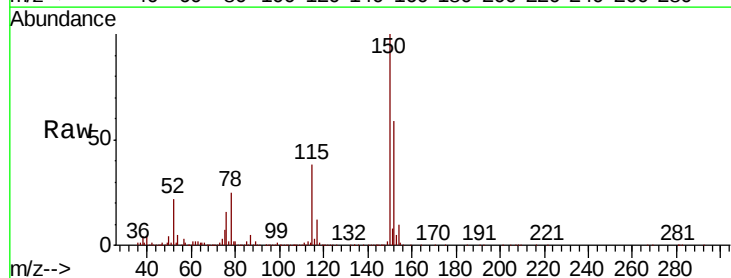
Instrument :
MSVOA_X
ClientSampleId :
FB-01-20200827

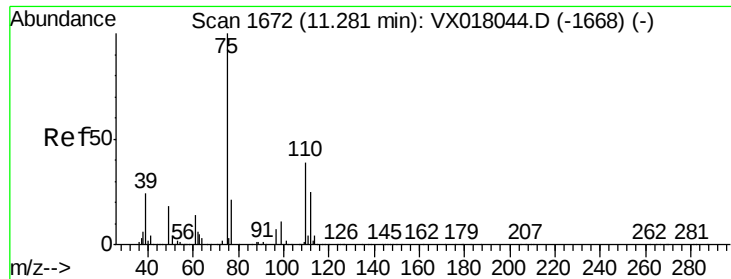
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	44.2	66.2
119	31.7	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018144.D
Acq: 31 Aug 2020 13:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	41.5	124.5
150	157.4	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 23.112 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018144.D

Acq: 31 Aug 2020 13:59

Instrument :

MSVOA_X

ClientSampleId :

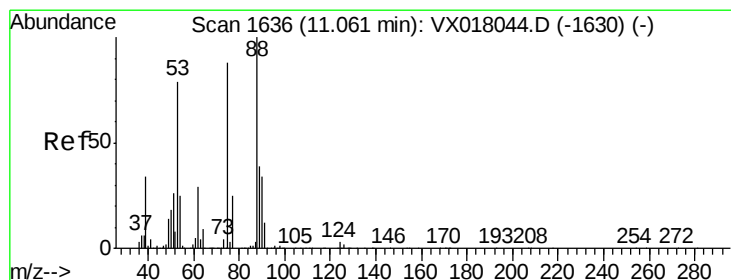
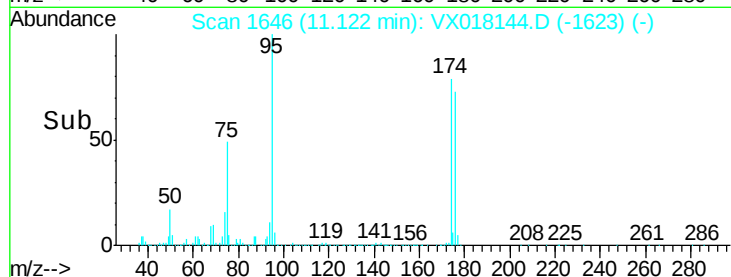
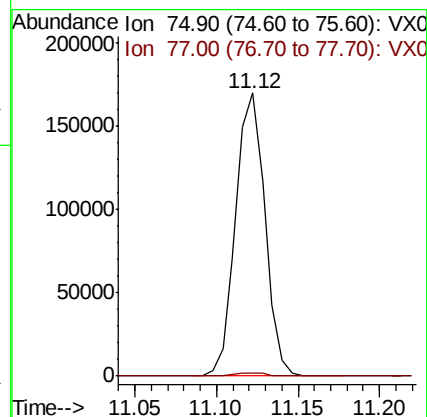
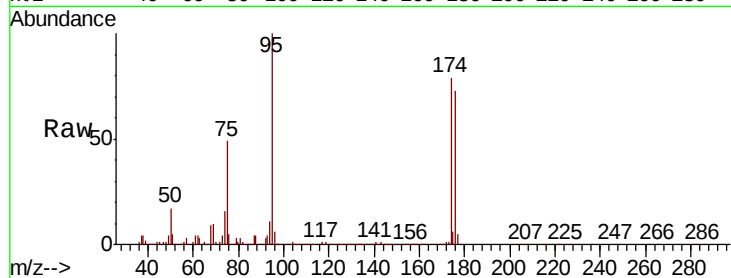
FB-01-20200827

Tot Ion: 75 Resp: 213093

Ion Ratio Lower Upper

75 100

77 1.3 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.421 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018144.D

Acq: 31 Aug 2020 13:59

Tgt Ion: 75 Resp: 213093

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.1 36.6 54.8#

