

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018143.D
 Acq On : 31 Aug 2020 13:36
 Operator : JC/SP
 Sample : L3831-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-20200827

Quant Time: Sep 01 05:30:22 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	576279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	919273	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	844594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	411016	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	380356	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
35) Dibromofluoromethane	5.47	113	309982	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	8.70	98	1100664	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	11.12	95	411024	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	

Target Compounds

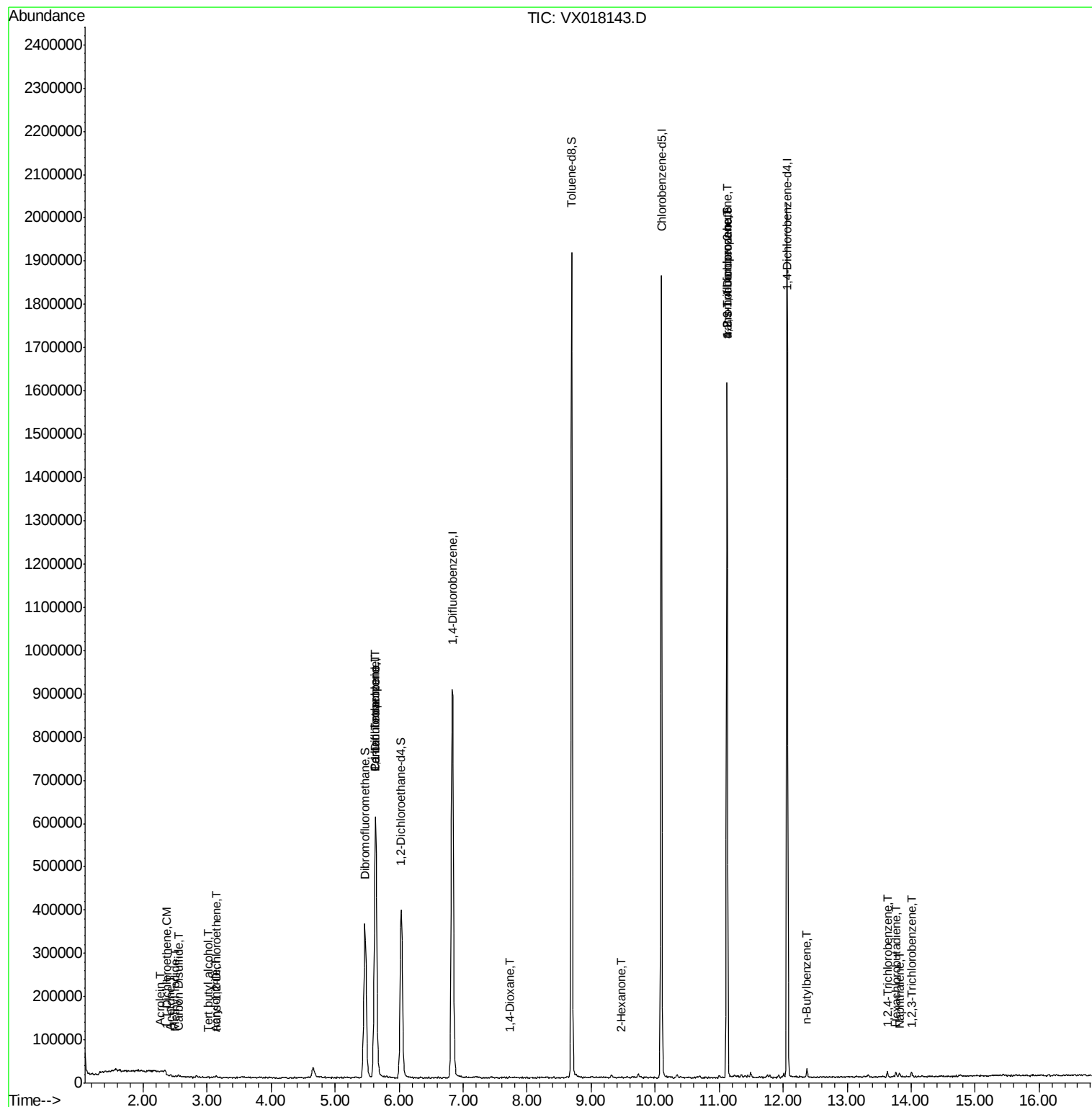
						Qvalue
10) Methyl Iodide	2.49	142	1681	5.545	ug/l #	85
11) Tert butyl alcohol	3.01	59	836	0.537	ug/l #	43
12) 1,1-Dichloroethene	2.37	96	1349	0.240	ug/l #	15
13) Acrolein	2.28	56	1049	1.626	ug/l #	65
15) Acrylonitrile	3.12	53	2085	0.591	ug/l #	86
16) Acetone	2.43	43	1378	0.442	ug/l	93
17) Carbon Disulfide	2.55	76	5258	0.309	ug/l	96
20) Methylene Chloride	2.84	84	2575	Below Cal	#	73
21) trans-1,2-Dichloroethene	3.15	96	1466	0.235	ug/l #	71
36) 1,1-Dichloropropene	5.62	75	43356	5.113	ug/l #	52
38) Carbon Tetrachloride	5.64	117	57972	6.067	ug/l #	17
49) 1,4-Dioxane	7.71	88	286	1.994	ug/l #	5
59) 2-Hexanone	9.48	43	1944	0.260	ug/l	70
76) 1,2,3-Trichloropropane	11.12	75	205701	22.498	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	205701	60.762	ug/l #	12
89) n-Butylbenzene	12.37	91	4751	0.227	ug/l	88
93) 1,2,4-Trichlorobenzene	13.63	180	3201	0.388	ug/l	88
94) Hexachlorobutadiene	13.77	225	1443	0.443	ug/l	85
95) Naphthalene	13.82	128	5717	0.210	ug/l #	76
96) 1,2,3-Trichlorobenzene	14.01	180	2289	0.280	ug/l	88

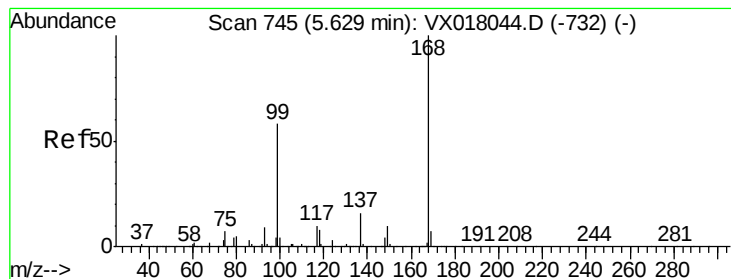
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 01 05:30:22 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: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018143.D

Acq: 31 Aug 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

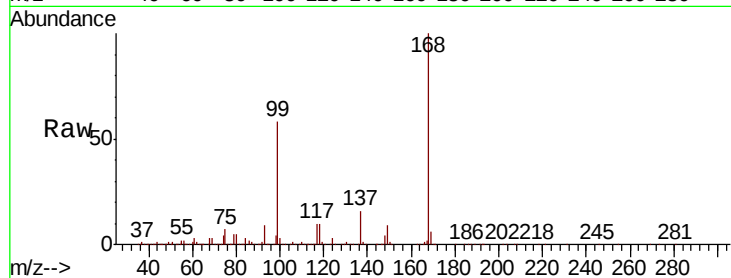
TB-01-20200827

Tot Ion:168 Resp: 576279

Ion Ratio Lower Upper

168 100

99 58.1 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

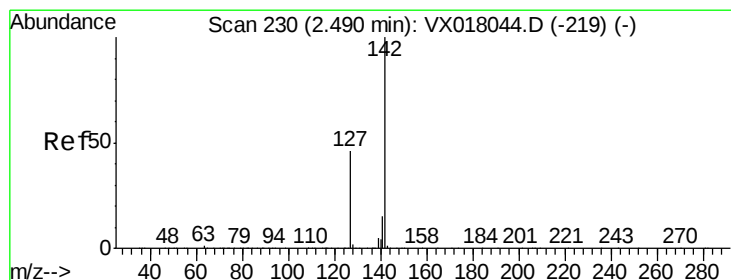
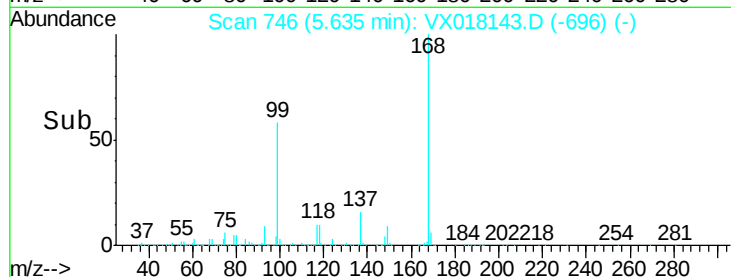
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.545 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018143.D

Acq: 31 Aug 2020 13:36

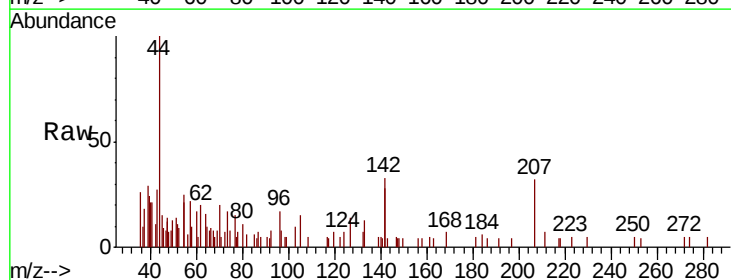
Tgt Ion:142 Resp: 1681

Ion Ratio Lower Upper

142 100

127 33.3 37.0 55.6#

141 14.4 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

1200

1000

800

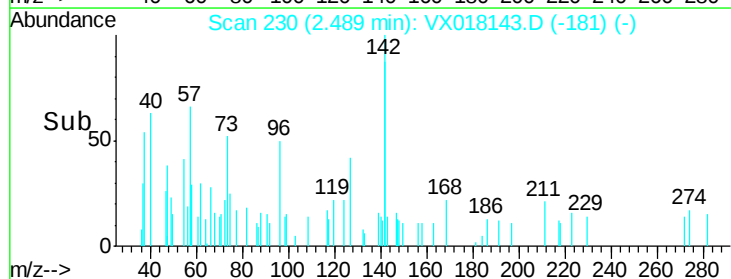
600

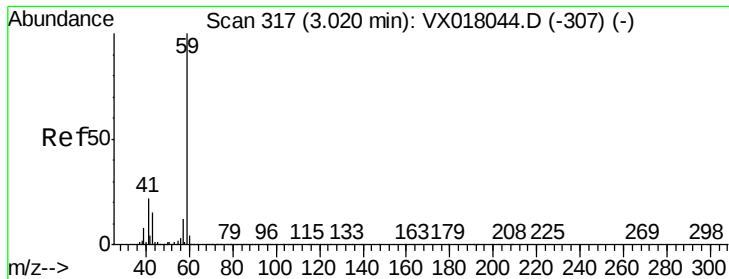
400

200

0

Time-->



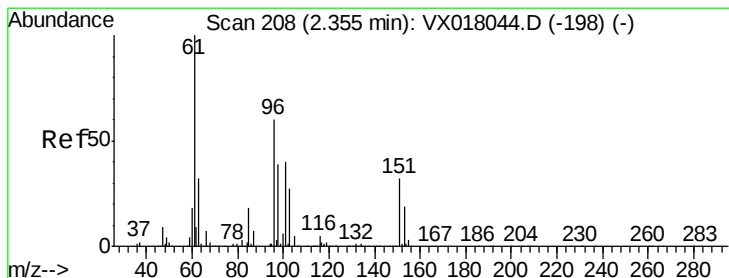
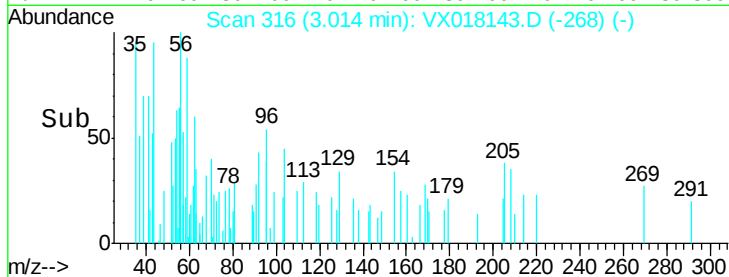
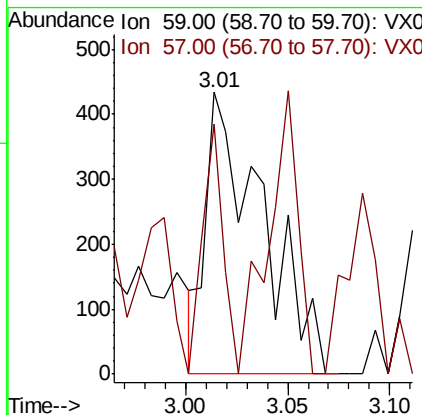
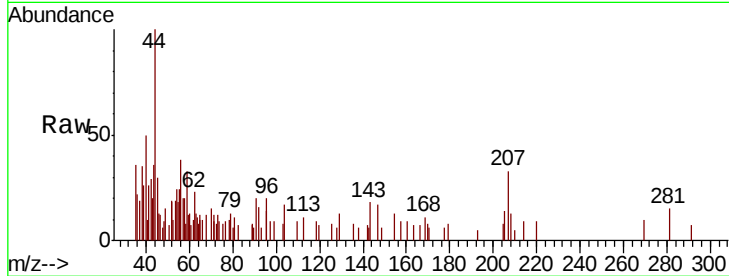


#11

Tert butyl alcohol
Concen: 0.537 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX018143.D
Acq: 31 Aug 2020 13:36

Instrument :
MSVOA_X
ClientSampleId :
TB-01-20200827

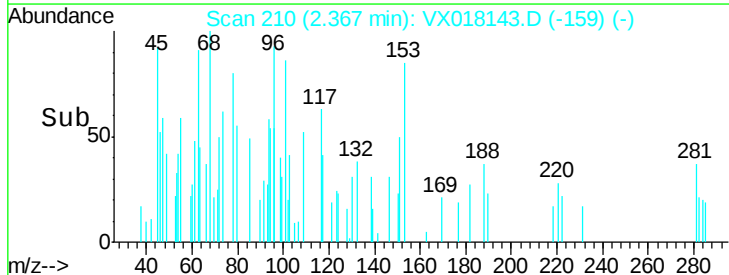
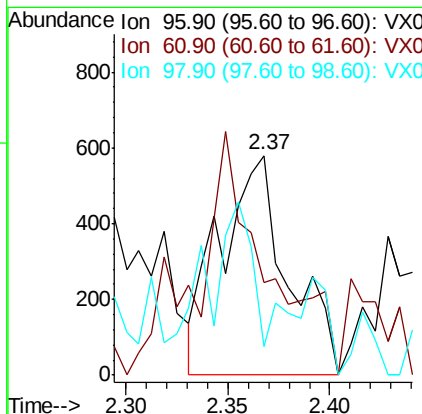
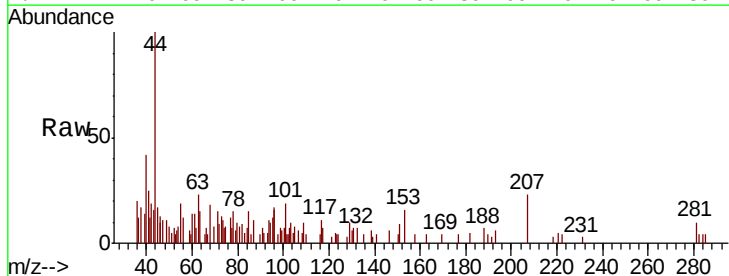
Tot Ion: 59 Resp: 836
Ion Ratio Lower Upper
59 100
57 32.7 8.9 13.3#

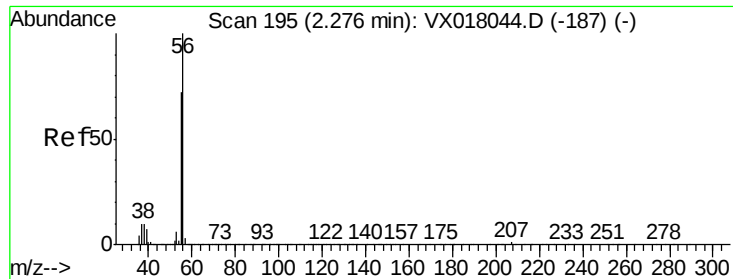


#12

1,1-Dichloroethene
Concen: 0.240 ug/l
RT: 2.37 min Scan# 210
Delta R.T. 0.01 min
Lab File: VX018143.D
Acq: 31 Aug 2020 13:36

Tgt Ion: 96 Resp: 1349
Ion Ratio Lower Upper
96 100
61 41.9 133.0 199.4#
98 12.9 51.6 77.4#

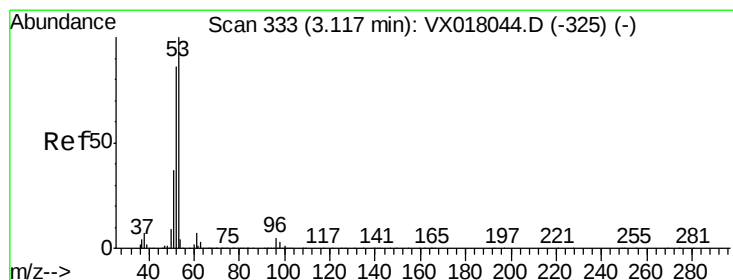
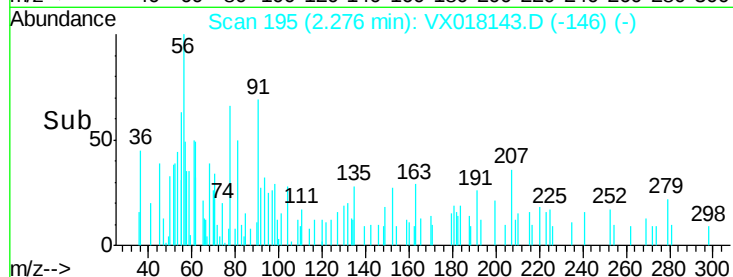
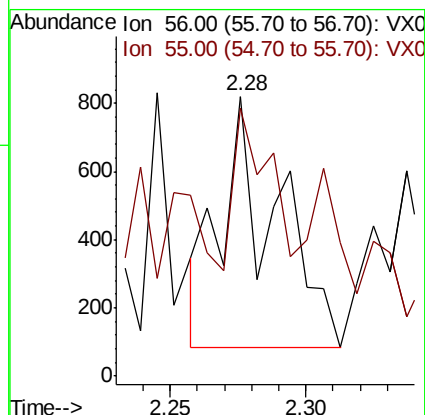
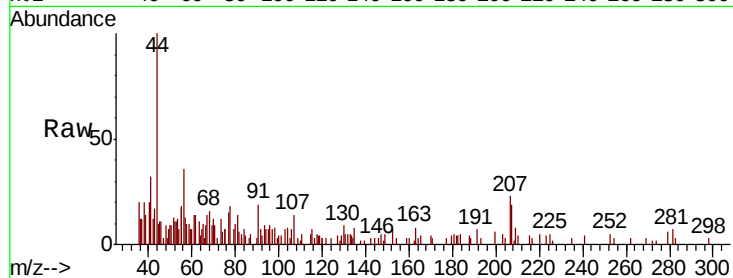




#13
Acrolein
Concen: 1.626 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX018143.D
Acq: 31 Aug 2020 13:36

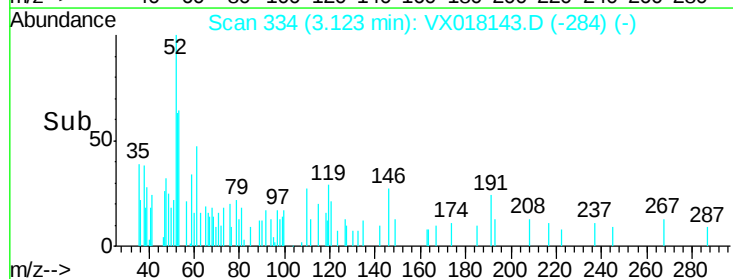
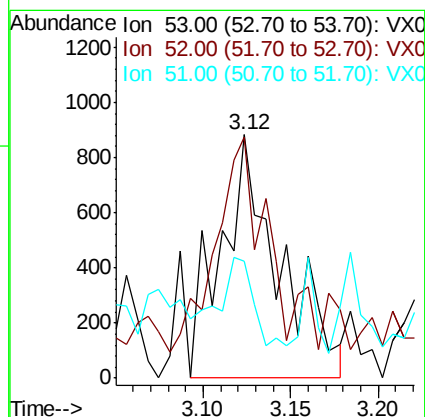
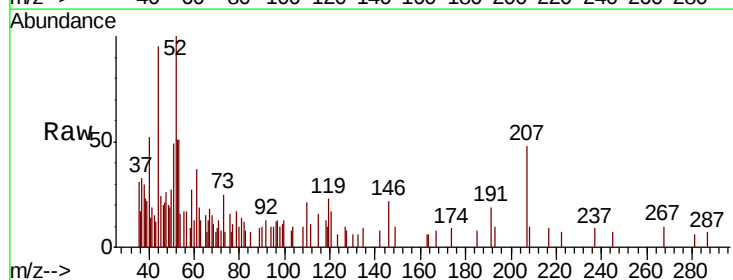
Instrument :
MSVOA_X
ClientSampleId :
TB-01-20200827

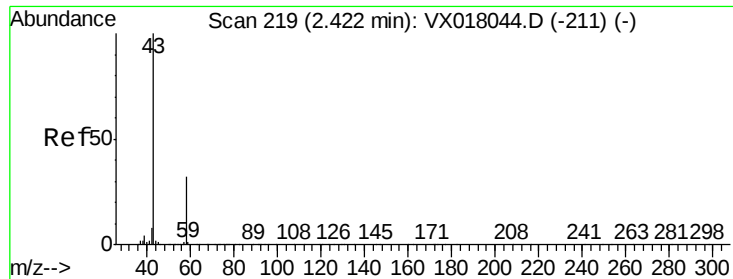
Tot Ion: 56 Resp: 1049
Ion Ratio Lower Upper
56 100
55 42.6 57.0 85.6#



#15
Acrylonitrile
Concen: 0.591 ug/l
RT: 3.12 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX018143.D
Acq: 31 Aug 2020 13:36

Tgt Ion: 53 Resp: 2085
Ion Ratio Lower Upper
53 100
52 70.3 66.9 100.3
51 28.7 28.7 43.1#

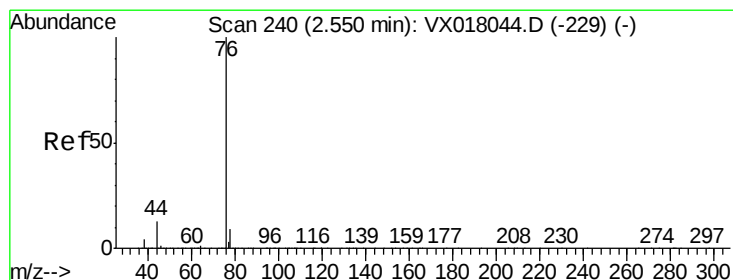
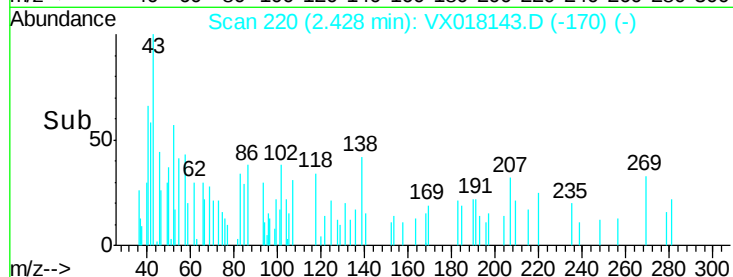
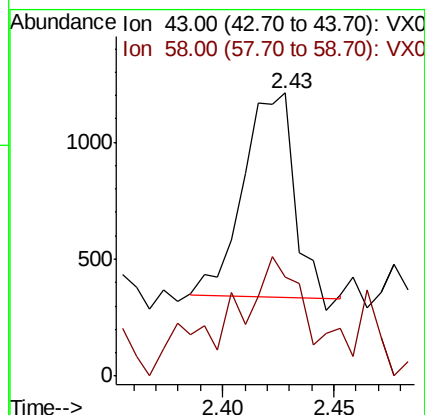
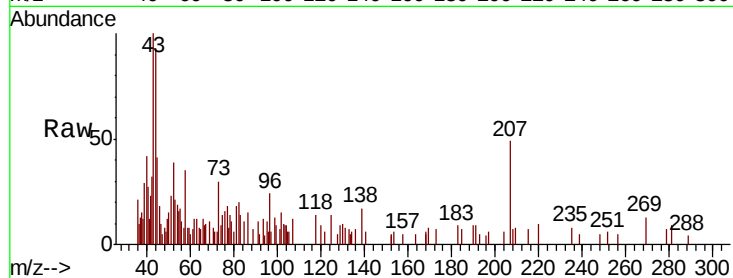




#16
Acetone
Concen: 0.442 ug/l
RT: 2.43 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX018143.D
Acq: 31 Aug 2020 13:36

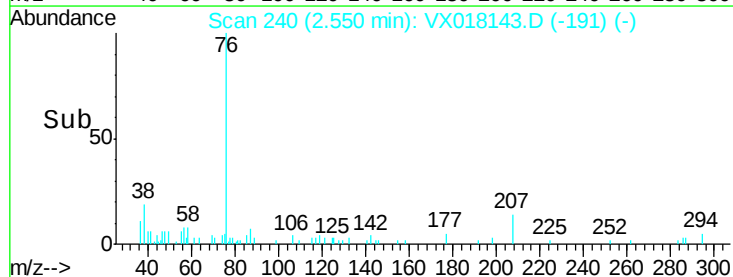
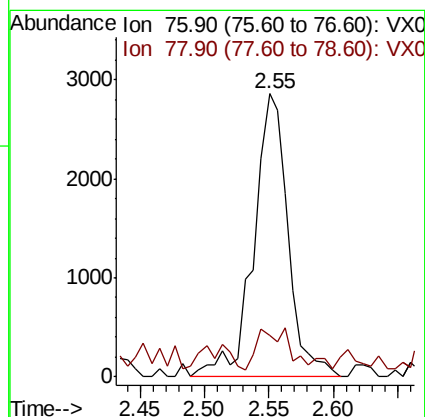
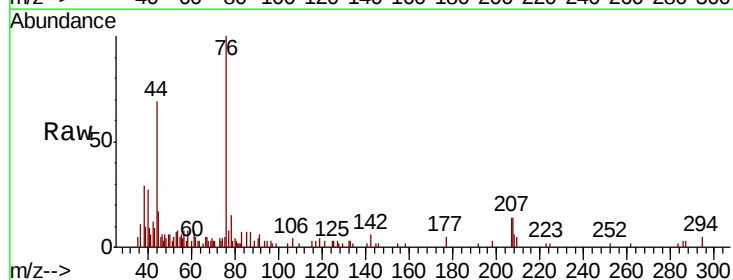
Instrument :
MSVOA_X
ClientSampled :
TB-01-20200827

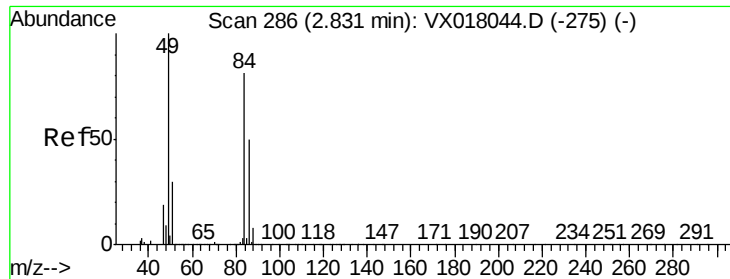
Tot Ion: 43 Resp: 1378
Ion Ratio Lower Upper
43 100
58 28.0 25.5 38.3



#17
Carbon Disulfide
Concen: 0.309 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX018143.D
Acq: 31 Aug 2020 13:36

Tgt Ion: 76 Resp: 5258
Ion Ratio Lower Upper
76 100
78 10.7 7.4 11.0

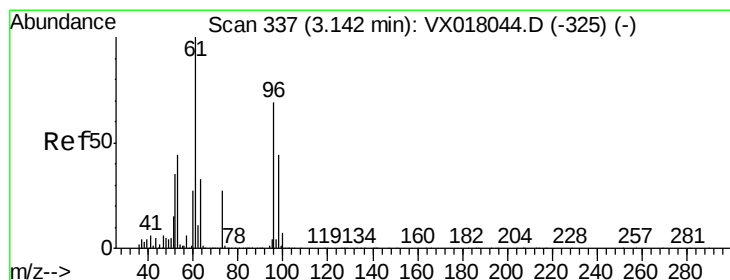
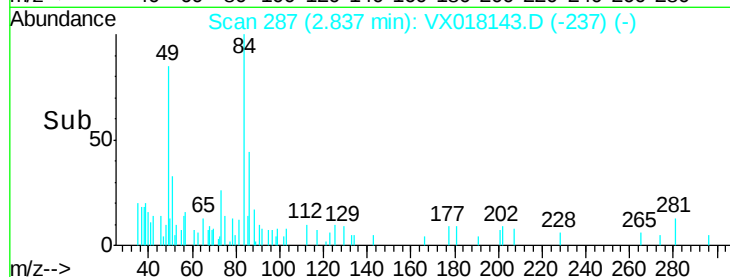
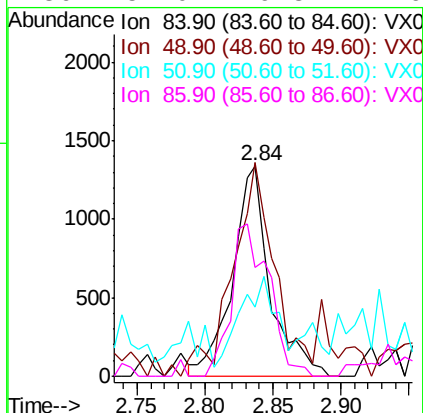
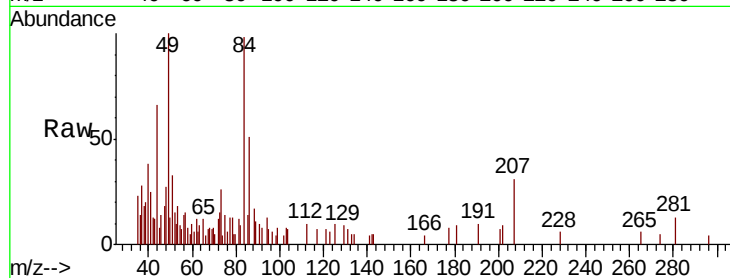




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018143.D
Acq: 31 Aug 2020 13:36

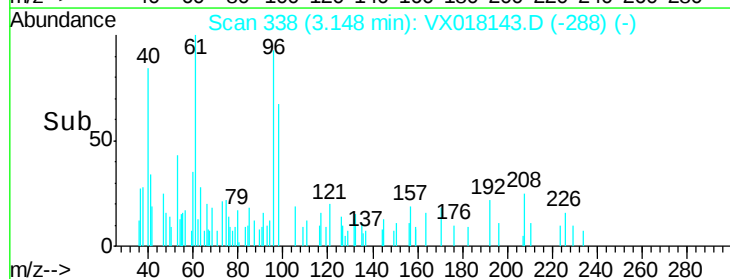
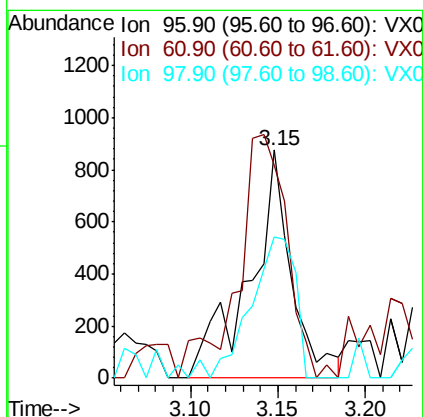
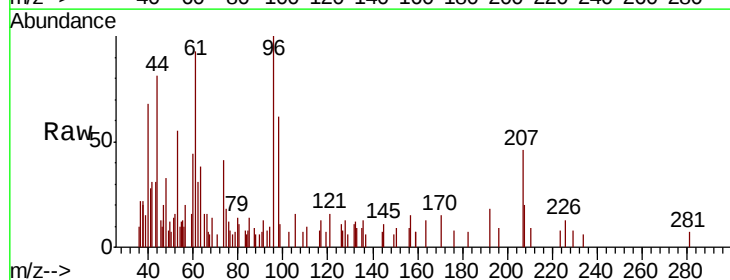
Instrument :
MSVOA_X
ClientSampleId :
TB-01-20200827

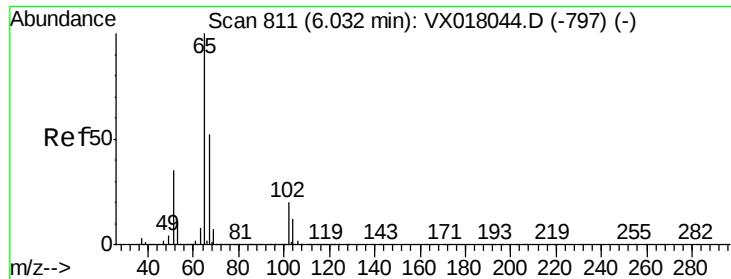
Tot Ion:	84	Resp:	2575
Ion	Ratio	Lower	Upper
84	100		
49	93.5	98.6	148.0#
51	7.0	29.6	44.4#
86	52.0	49.8	74.6



#21
trans-1,2-Dichloroethene
Concen: 0.235 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX018143.D
Acq: 31 Aug 2020 13:36

Tgt Ion:	96	Resp:	1466
Ion	Ratio	Lower	Upper
96	100		
61	93.4	115.4	173.0#
98	62.0	51.1	76.7





#33

1,2-Dichloroethane-d4

Concen: 47.543 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018143.D

Acq: 31 Aug 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

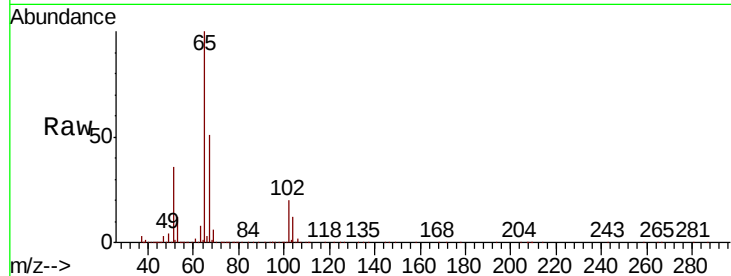
TB-01-20200827

Tot Ion: 65 Resp: 380356

Ion Ratio Lower Upper

65 100

67 51.6 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

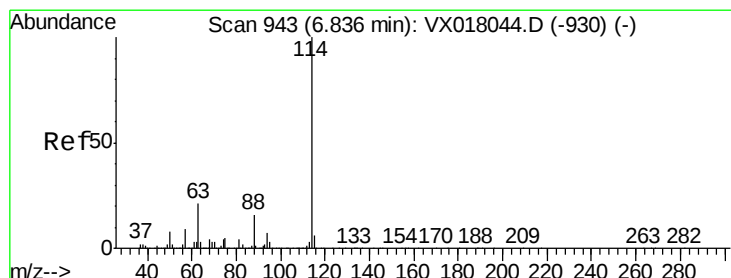
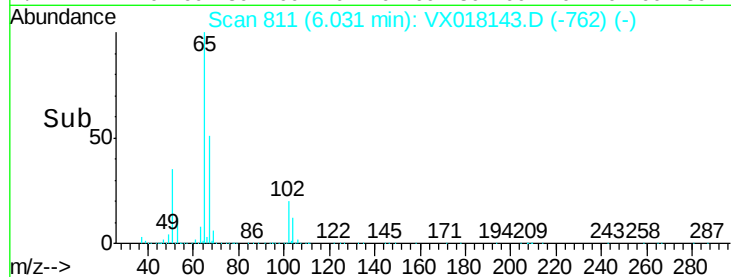
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018143.D

Acq: 31 Aug 2020 13:36

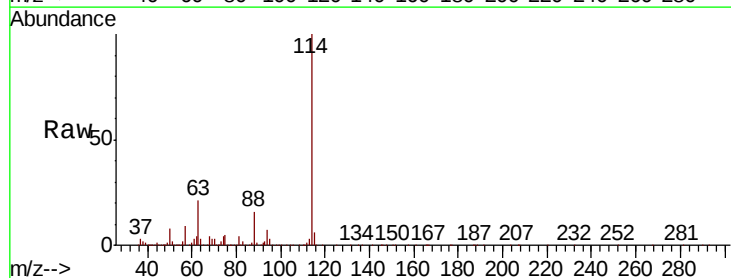
Tgt Ion: 114 Resp: 919273

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 16.3 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

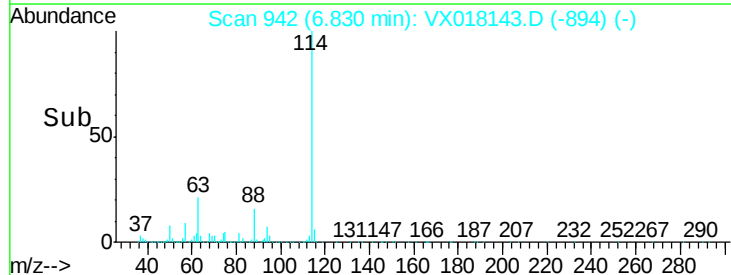
300000

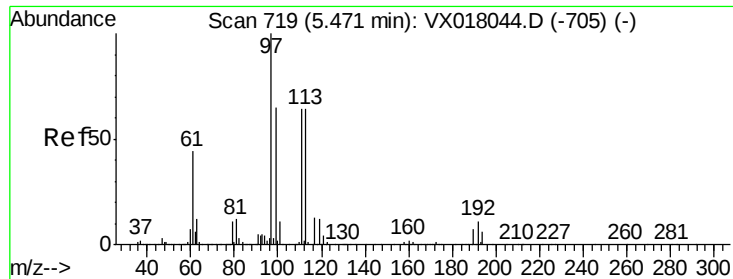
200000

100000

0

Time--> 6.70 6.80 6.90





#35

Dibromofluoromethane

Concen: 49.512 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018143.D

Acq: 31 Aug 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

TB-01-20200827

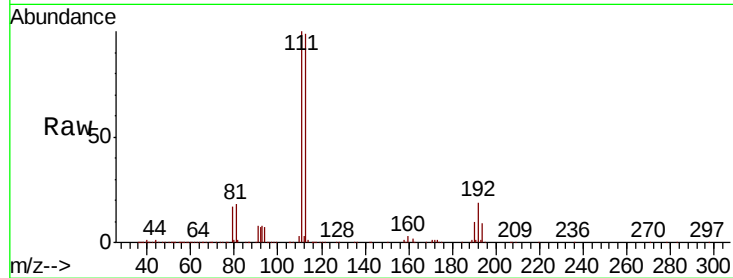
Tot Ion:113 Resp: 309982

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

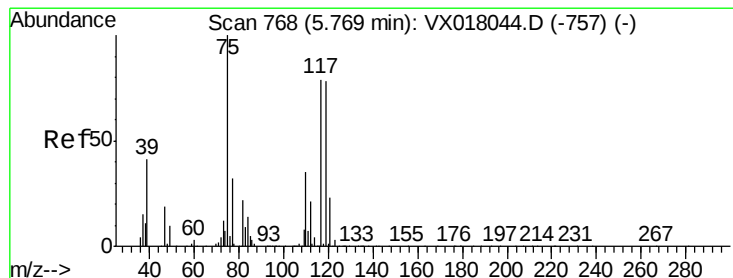
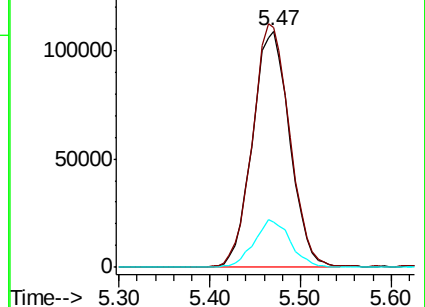
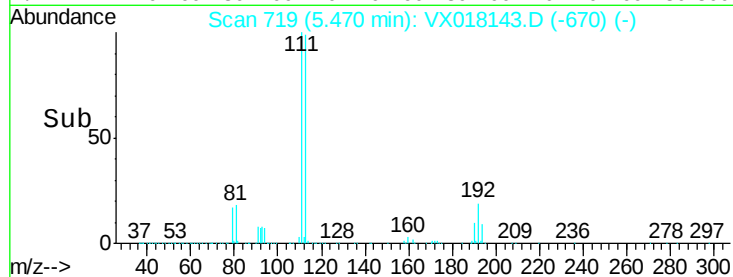
192 19.8 15.8 23.8



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: 5.113 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX018143.D

Acq: 31 Aug 2020 13:36

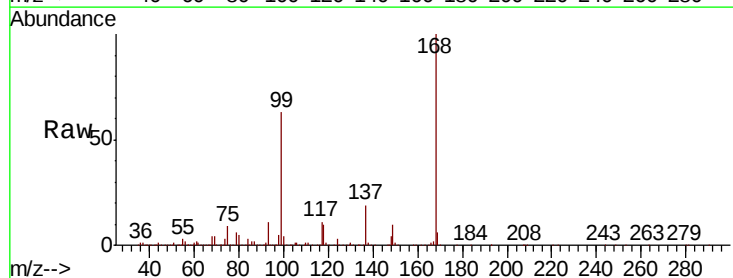
Tgt Ion: 75 Resp: 43356

Ion Ratio Lower Upper

75 100

110 11.7 18.0 54.0#

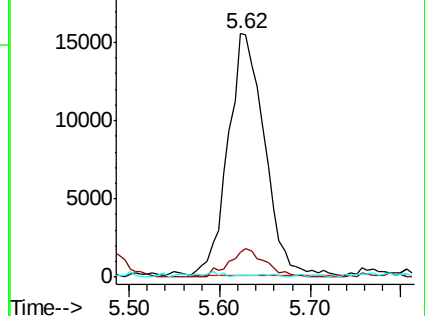
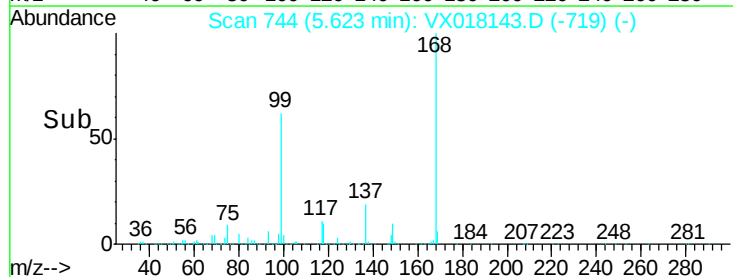
77 0.0 24.4 36.6#

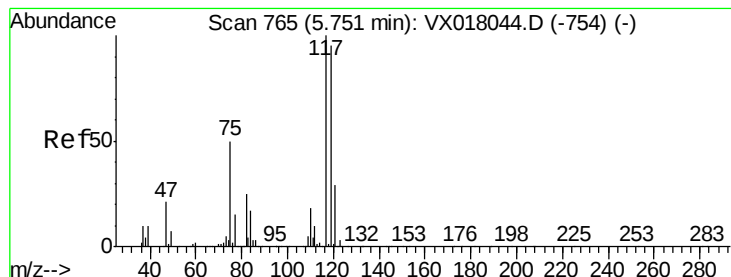


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.067 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018143.D

Acq: 31 Aug 2020 13:36

Instrument :

MSVOA_X

ClientSampled :

TB-01-20200827

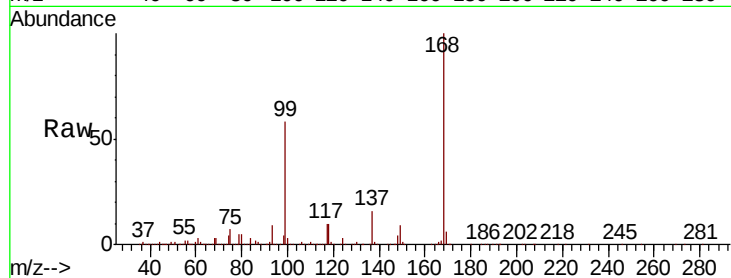
Tot Ion:117 Resp: 57972

Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.6#

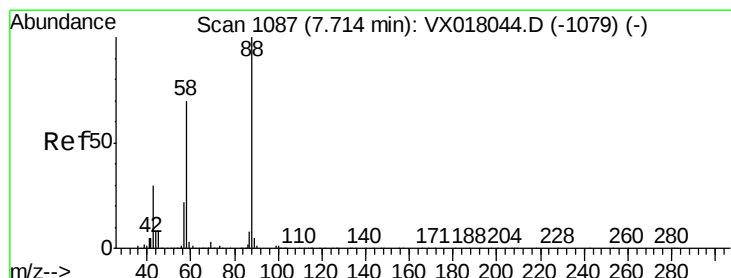
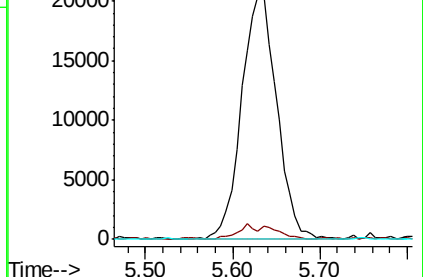
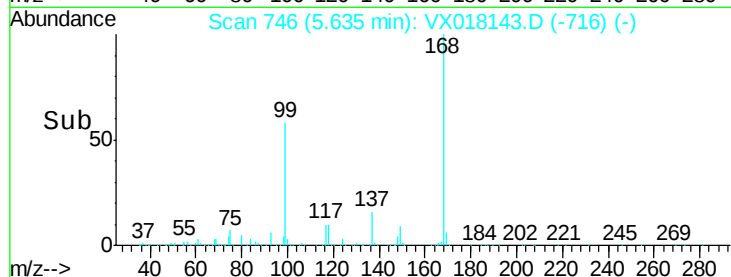
121 0.0 23.4 35.0#



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: 1.994 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX018143.D

Acq: 31 Aug 2020 13:36

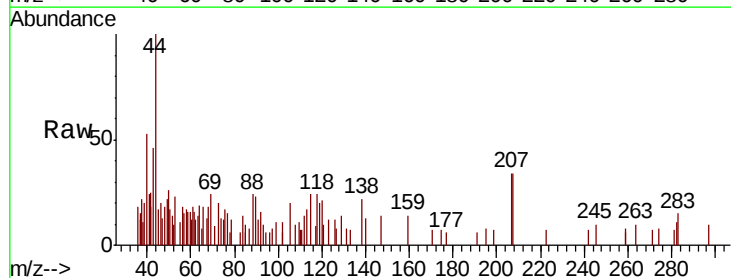
Tgt Ion: 88 Resp: 286

Ion Ratio Lower Upper

88 100

43 168.9 27.4 41.0#

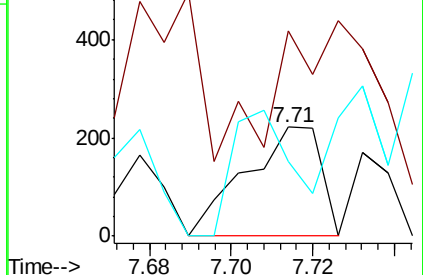
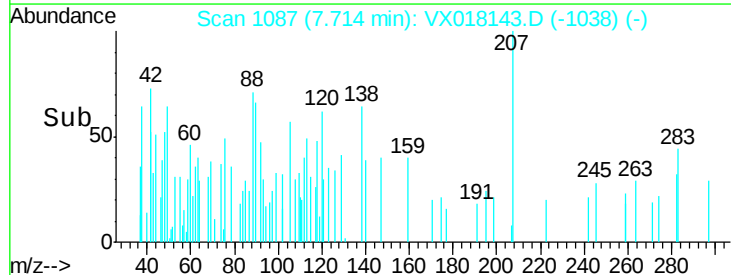
58 93.0 56.4 84.6#

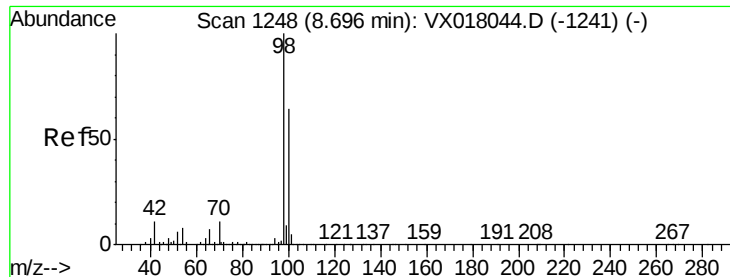


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.202 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018143.D

Acq: 31 Aug 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

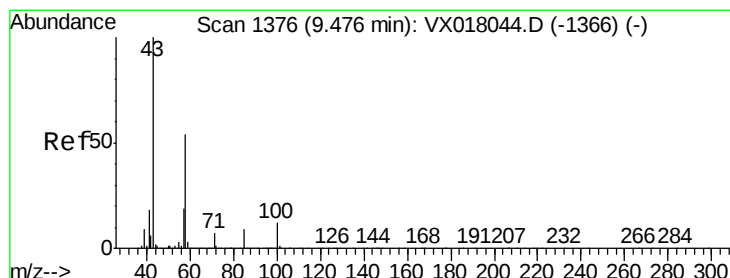
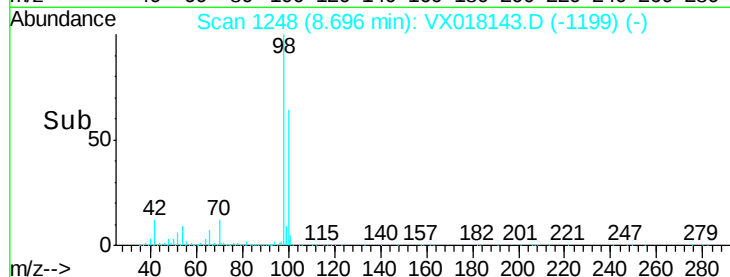
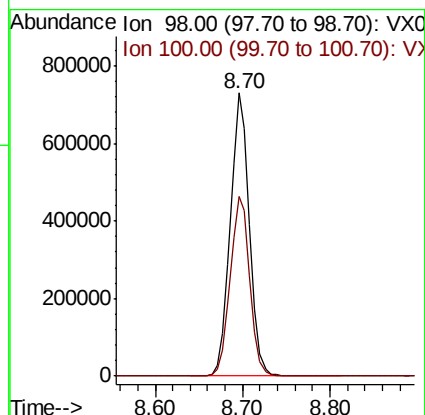
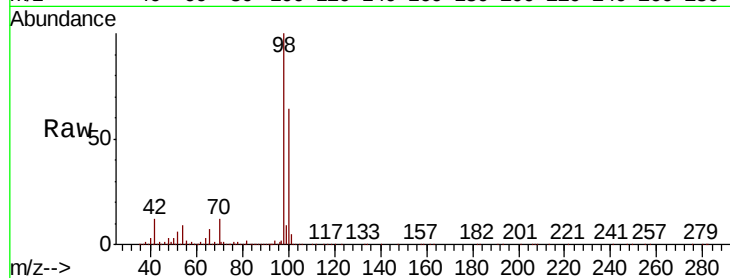
TB-01-20200827

Tot Ion: 98 Resp: 1100664

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.4



#59

2-Hexanone

Concen: 0.260 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX018143.D

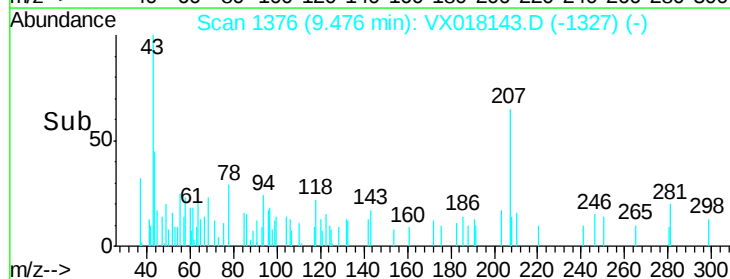
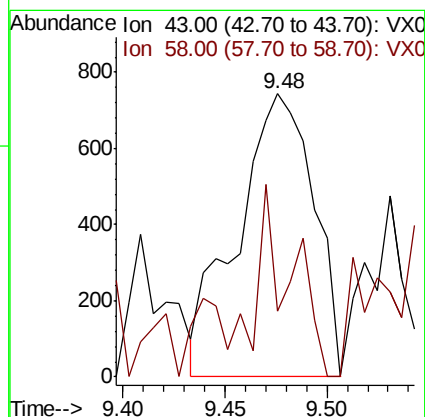
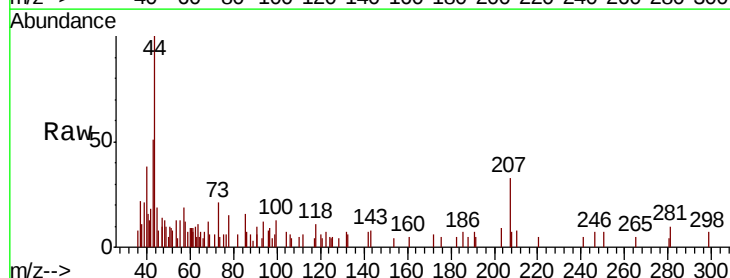
Acq: 31 Aug 2020 13:36

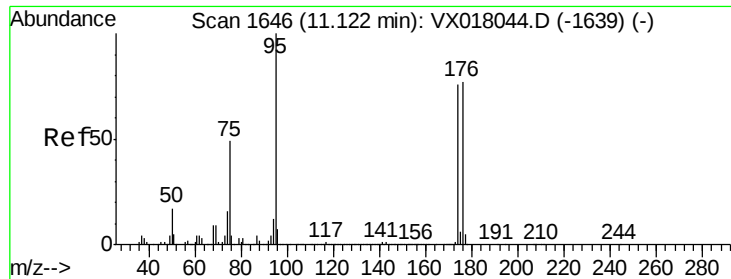
Tgt Ion: 43 Resp: 1944

Ion Ratio Lower Upper

43 100

58 31.7 26.6 79.7





#62

4-Bromofluorobenzene

Concen: 44.801 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018143.D

Acq: 31 Aug 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

TB-01-20200827

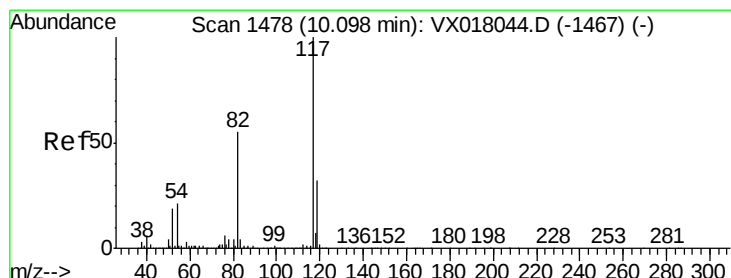
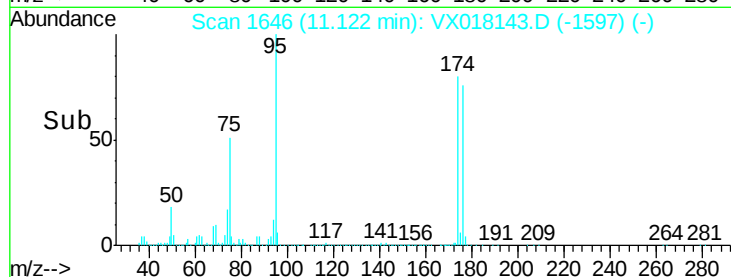
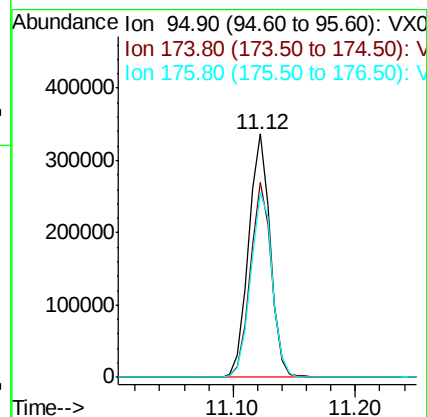
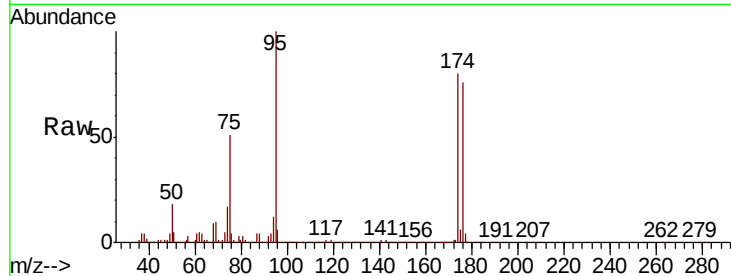
Tot Ion: 95 Resp: 411024

Ion Ratio Lower Upper

95 100

174 79.3 0.0 160.2

176 76.5 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: VX018143.D

Acq: 31 Aug 2020 13:36

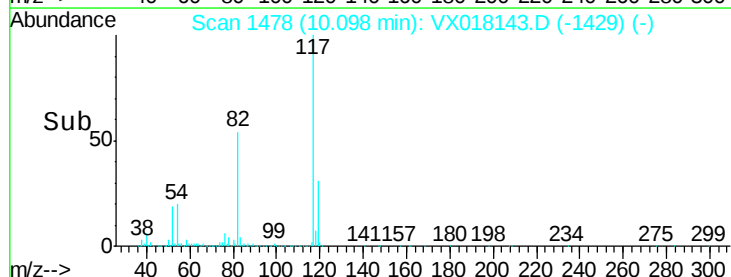
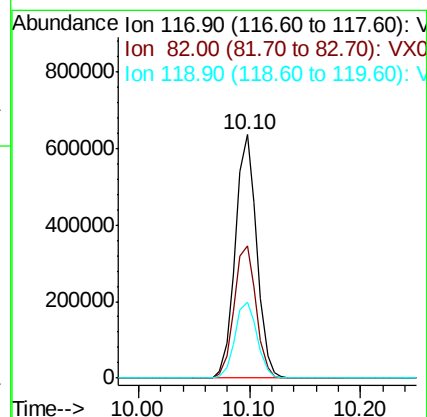
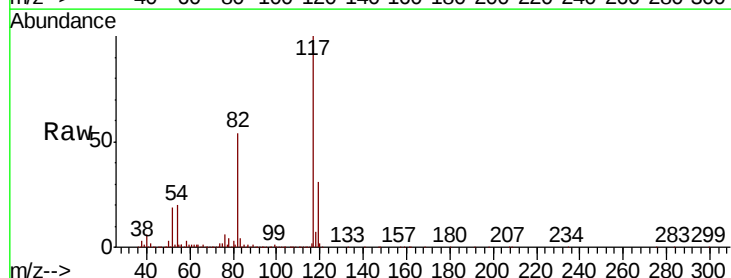
Tgt Ion: 117 Resp: 844594

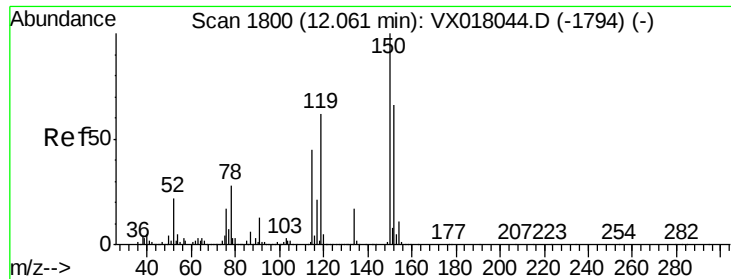
Ion Ratio Lower Upper

117 100

82 54.5 44.2 66.2

119 31.1 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: VX018143.D

Acq: 31 Aug 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

TB-01-20200827

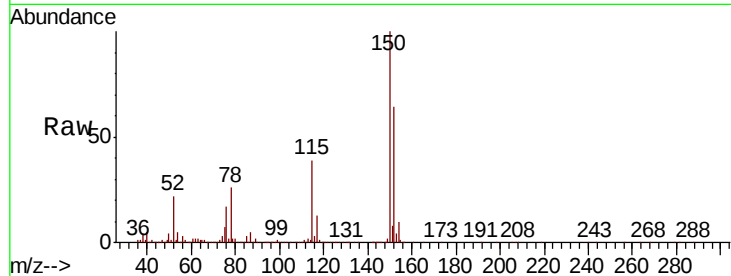
Tot Ion:152 Resp: 411016

Ion Ratio Lower Upper

152 100

115 59.1 41.5 124.5

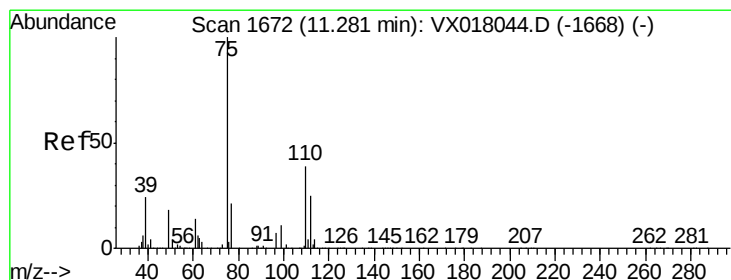
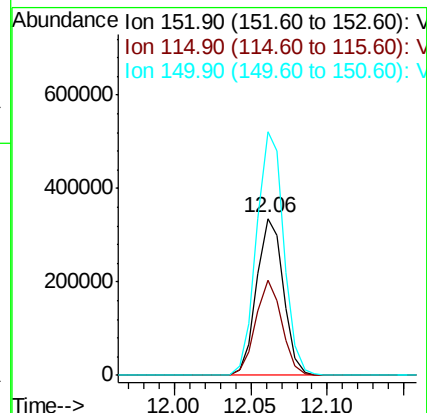
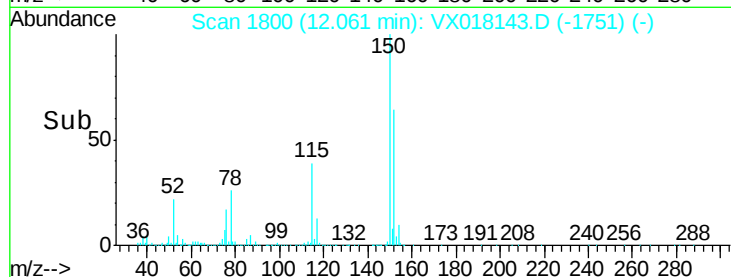
150 157.7 0.0 343.8



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: 22.498 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018143.D

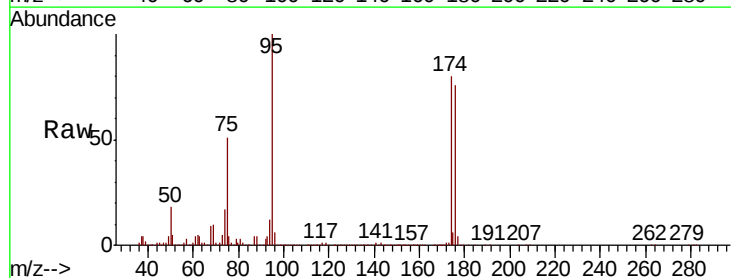
Acq: 31 Aug 2020 13:36

Tgt Ion: 75 Resp: 205701

Ion Ratio Lower Upper

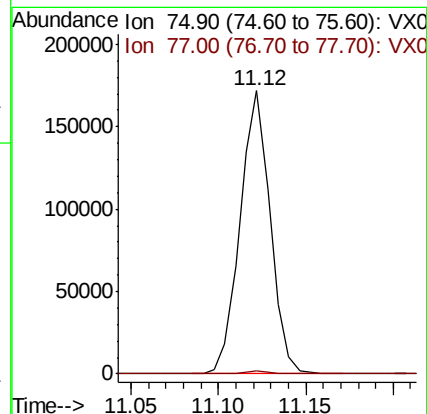
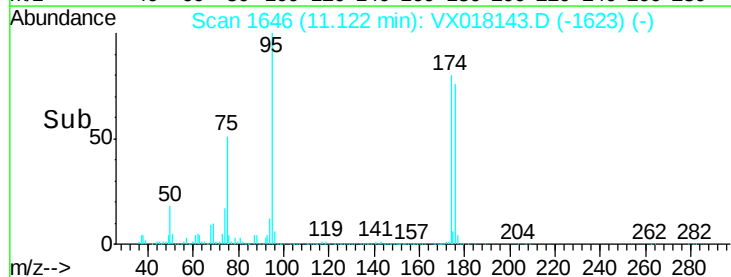
75 100

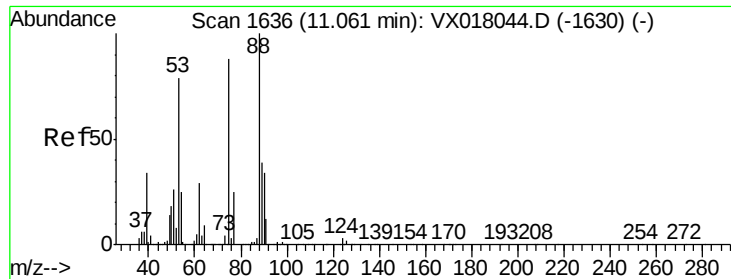
77 1.4 20.8 62.2#



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: 60.762 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018143.D

Acq: 31 Aug 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

TB-01-20200827

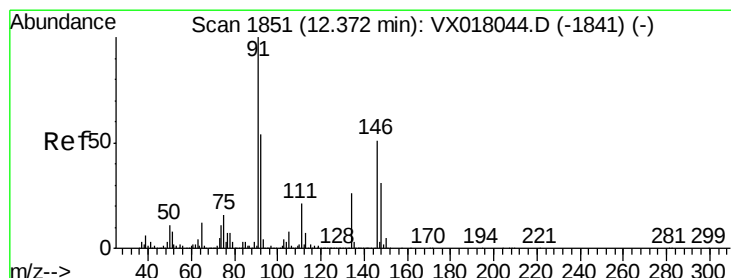
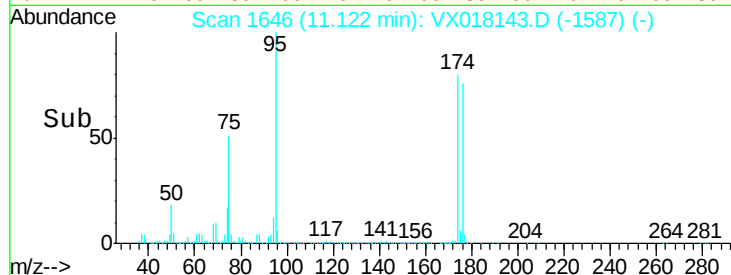
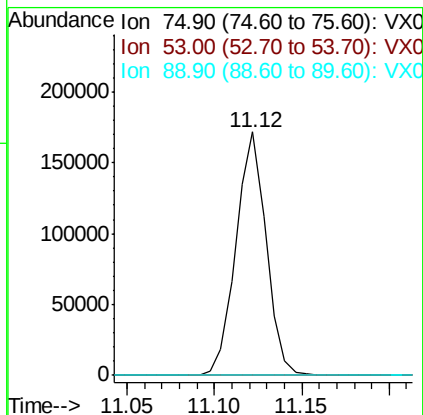
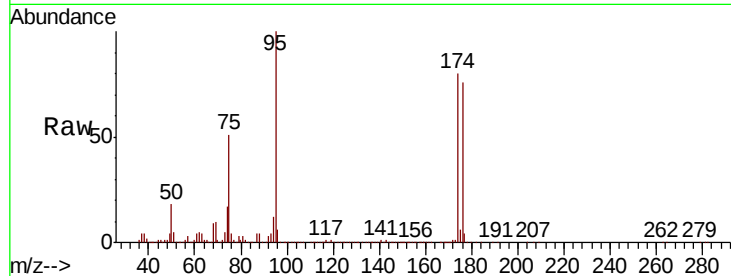
Tot Ion: 75 Resp: 205701

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.2 36.6 54.8#



#89

n-Butylbenzene

Concen: 0.227 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX018143.D

Acq: 31 Aug 2020 13:36

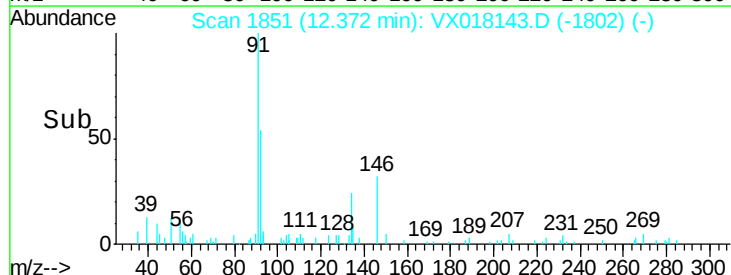
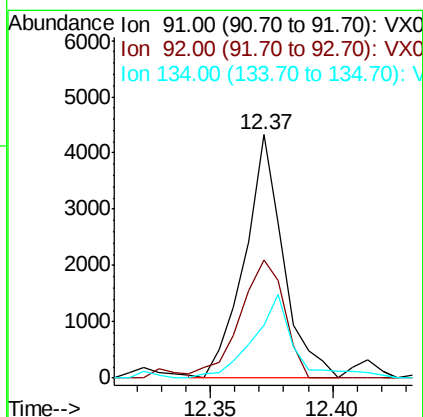
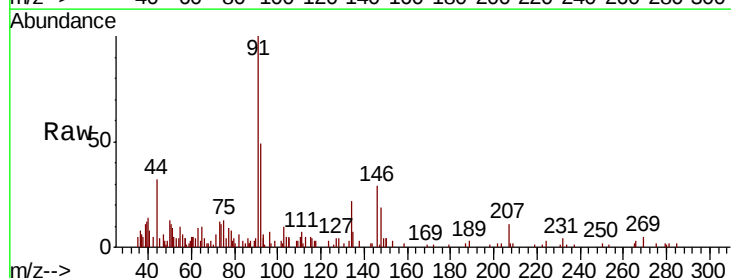
Tgt Ion: 91 Resp: 4751

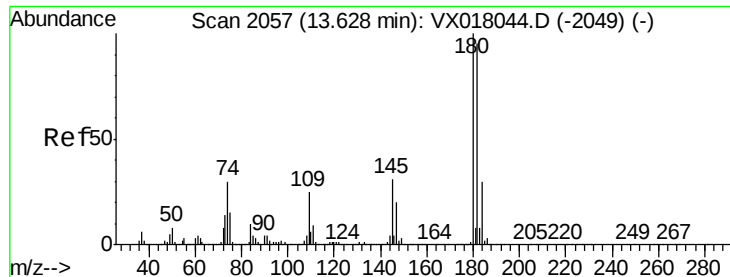
Ion Ratio Lower Upper

91 100

92 57.8 26.4 79.2

134 36.6 12.9 38.7

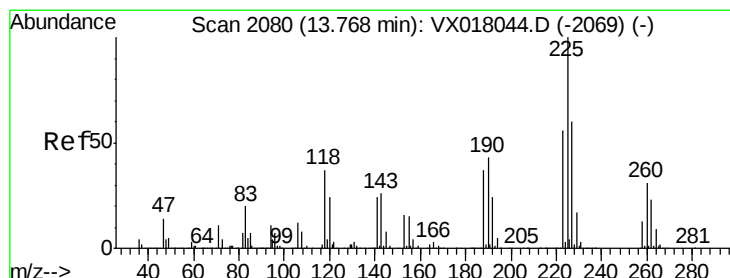
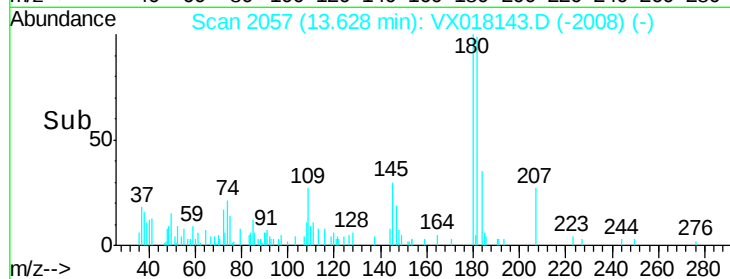
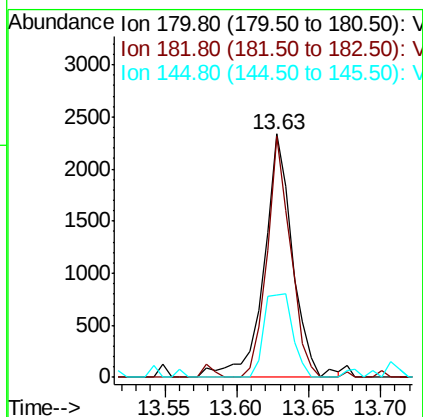
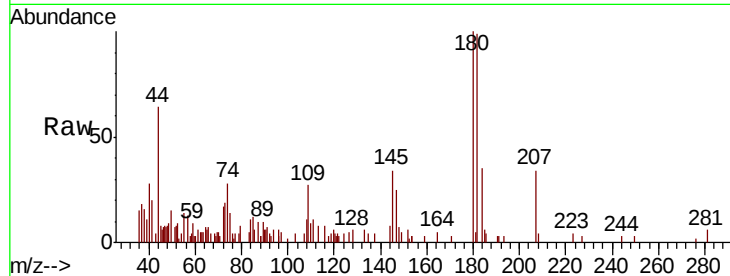




#93
 1,2,4-Trichlorobenzene
 Concen: 0.388 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX018143.D
 Acq: 31 Aug 2020 13:36

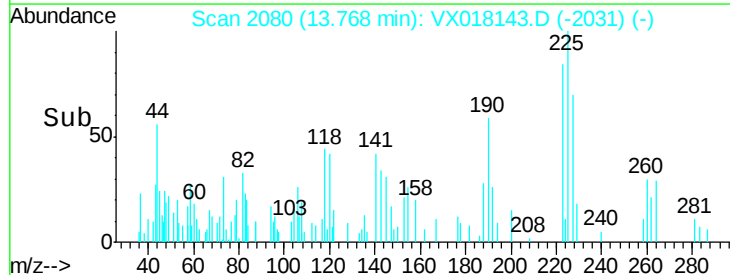
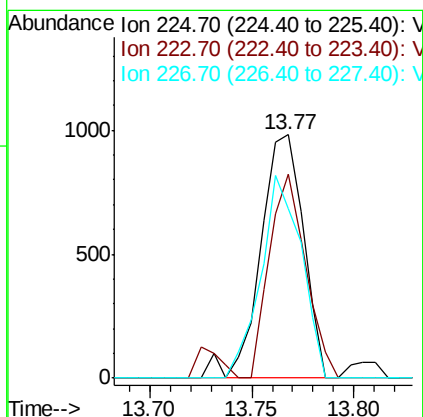
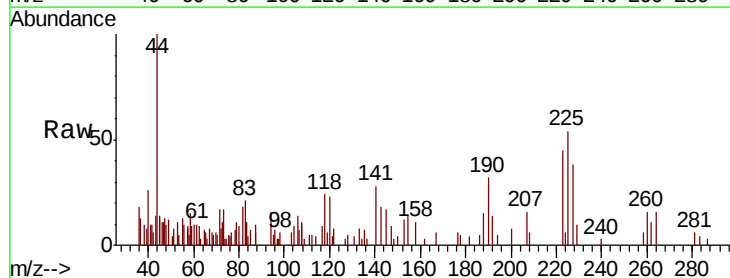
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-20200827

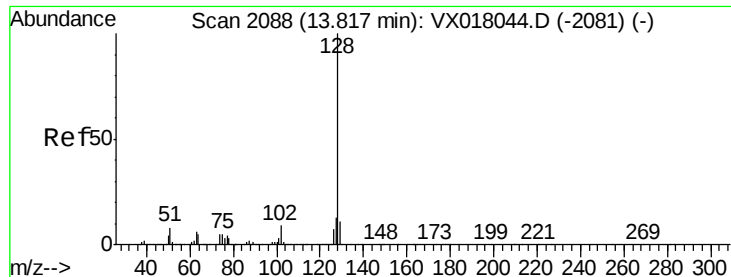
Tot Ion:180 Resp: 3201
 Ion Ratio Lower Upper
 180 100
 182 81.0 47.5 142.6
 145 34.2 15.7 47.1



#94
 Hexachlorobutadiene
 Concen: 0.443 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX018143.D
 Acq: 31 Aug 2020 13:36

Tgt Ion:225 Resp: 1443
 Ion Ratio Lower Upper
 225 100
 223 71.1 30.7 92.1
 227 78.4 32.6 97.8

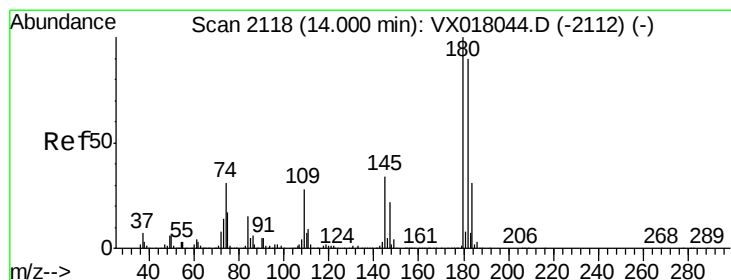
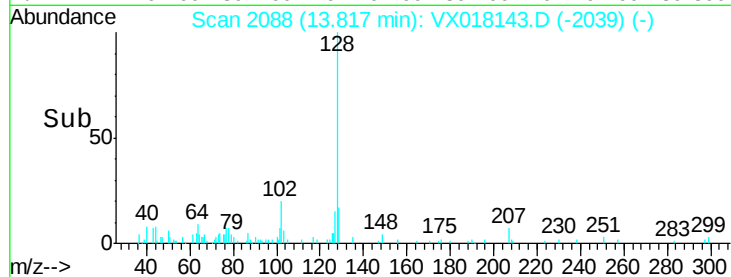
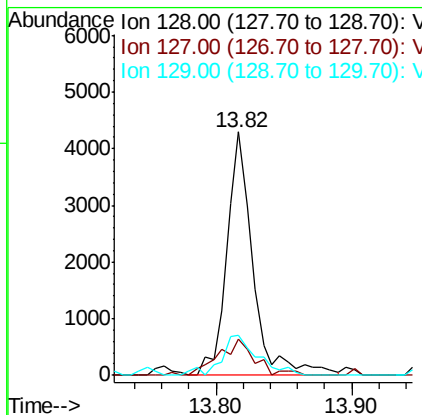
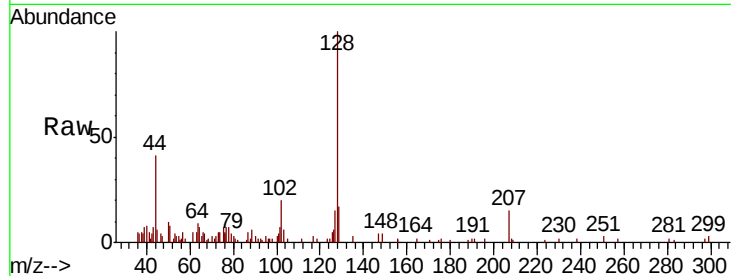




#95
Naphthalene
Concen: 0.210 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX018143.D
Acq: 31 Aug 2020 13:36

Instrument :
MSVOA_X
ClientSampleId :
TB-01-20200827

Tot Ion:128 Resp: 5717
Ion Ratio Lower Upper
128 100
127 19.5 10.2 15.2#
129 23.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.280 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX018143.D
Acq: 31 Aug 2020 13:36

Tgt Ion:180 Resp: 2289
Ion Ratio Lower Upper
180 100
182 108.8 47.3 142.0
145 38.4 17.5 52.6

