

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018174.D
 Acq On : 01 Sep 2020 02:32
 Operator : JC/SP
 Sample : L3829-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 F06045

Quant Time: Sep 01 05:45:26 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	460818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	734385	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	698813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	339049	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	325276	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
35) Dibromofluoromethane	5.46	113	254336	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
50) Toluene-d8	8.70	98	896201	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
62) 4-Bromofluorobenzene	11.12	95	331533	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	

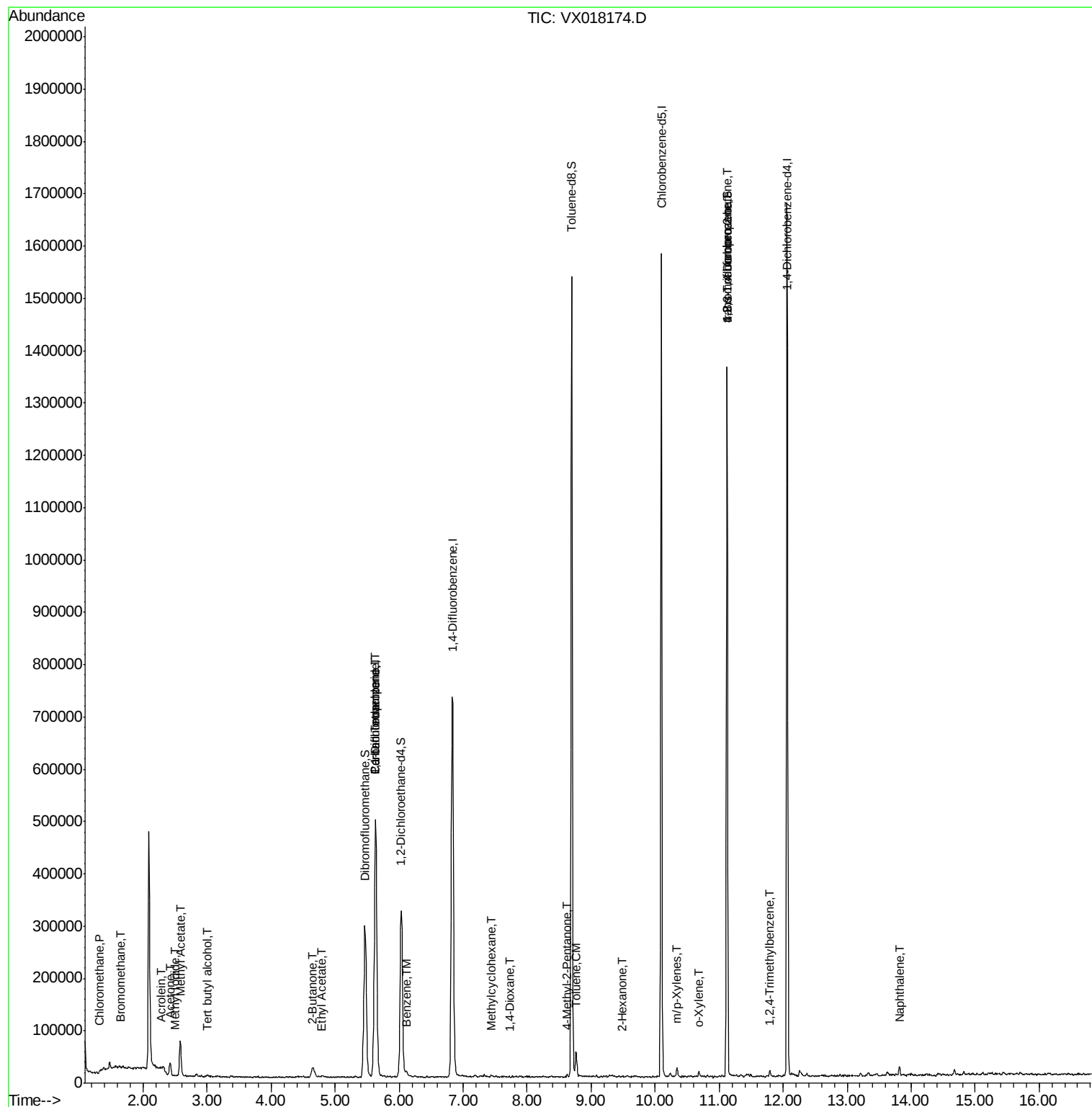
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1805	0.305	ug/l #	41
5) Bromomethane	1.65	94	684	0.241	ug/l	89
10) Methyl Iodide	2.50	142	600	5.402	ug/l	94
11) Tert butyl alcohol	3.00	59	1891	1.520	ug/l #	39
13) Acrolein	2.28	56	313	0.607	ug/l #	14
16) Acetone	2.42	43	26800	10.751	ug/l	99
18) Methyl Acetate	2.58	43	17104	2.843	ug/l #	58
20) Methylene Chloride	2.82	84	2692	Below Cal	#	76
25) 2-Butanone	4.64	43	7620	1.860	ug/l	92
36) 1,1-Dichloropropene	5.63	75	35626	5.260	ug/l #	52
37) Ethyl Acetate	4.79	43	2317	0.295	ug/l #	69
38) Carbon Tetrachloride	5.63	117	48080	6.299	ug/l #	16
39) Methylcyclohexane	7.44	83	1735	0.234	ug/l #	70
40) Benzene	6.12	78	11045	0.555	ug/l #	87
49) 1,4-Dioxane	7.73	88	308	2.688	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	3299	0.420	ug/l	99
52) Toluene	8.76	92	16115	1.277	ug/l	95
59) 2-Hexanone	9.48	43	1208	0.202	ug/l	98
68) m/p-Xylenes	10.34	106	4407	0.497	ug/l	92
69) o-Xylene	10.68	106	1953	0.227	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	172418	22.860	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	172418	61.742	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.79	105	4749	0.253	ug/l	82
95) Naphthalene	13.82	128	11765	0.525	ug/l #	88

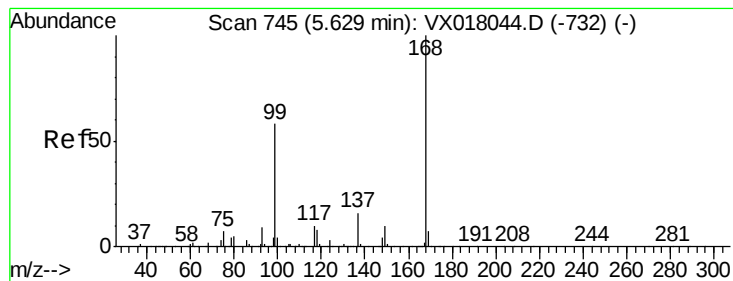
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018174.D

Acq: 01 Sep 2020 02:32

Instrument :

MSVOA_X

ClientSampleId :

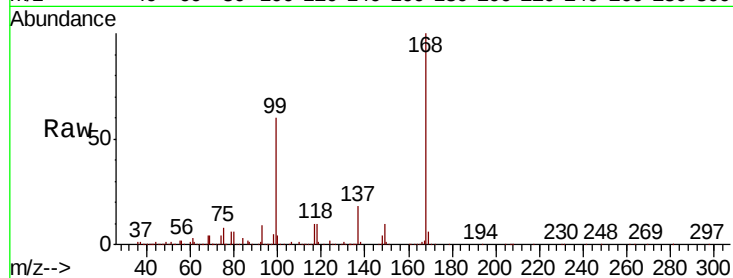
F06045

Tot Ion:168 Resp: 460818

Ion Ratio Lower Upper

168 100

99 60.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

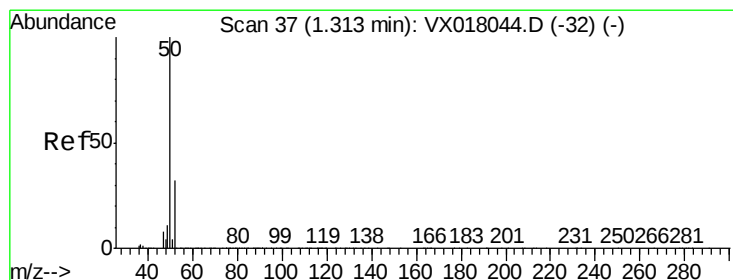
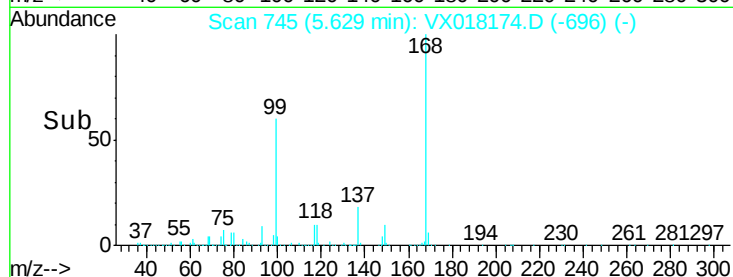
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.305 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018174.D

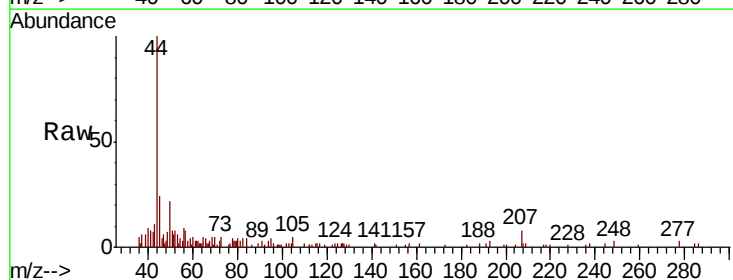
Acq: 01 Sep 2020 02:32

Tgt Ion: 50 Resp: 1805

Ion Ratio Lower Upper

50 100

52 64.5 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1200

1000

800

600

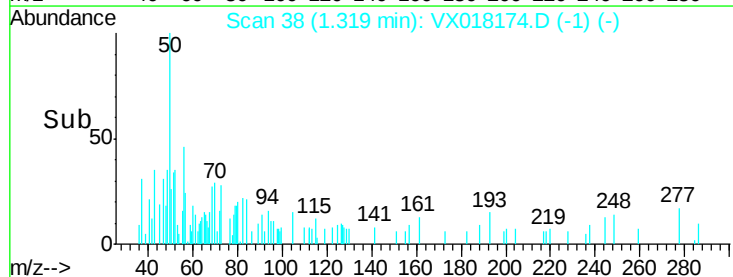
400

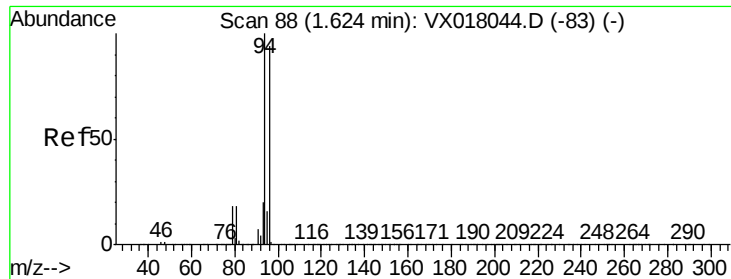
200

0

Time-->

1.25 1.30 1.35





#5

Bromomethane

Concen: 0.241 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018174.D

Acq: 01 Sep 2020 02:32

Instrument :

MSVOA_X

ClientSampleId :

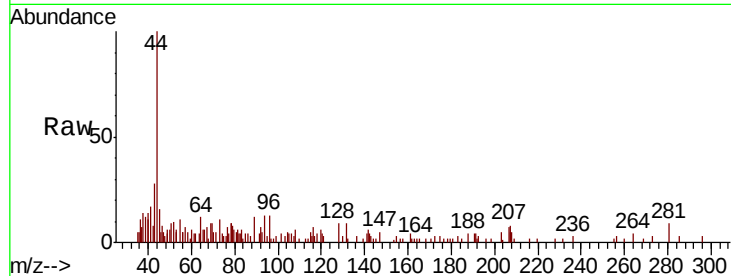
F06045

Tot Ion: 94 Resp: 684

Ion Ratio Lower Upper

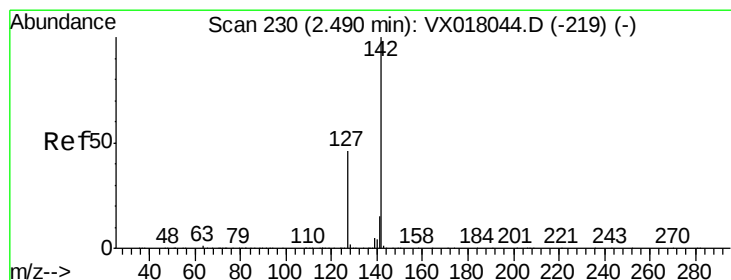
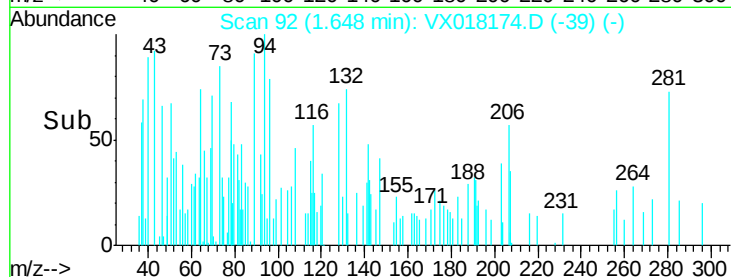
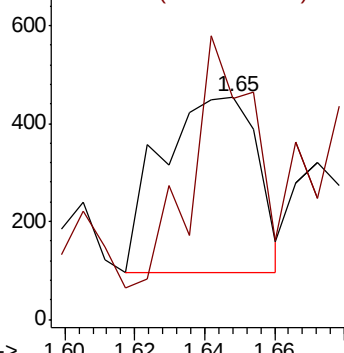
94 100

96 83.2 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 5.402 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018174.D

Acq: 01 Sep 2020 02:32

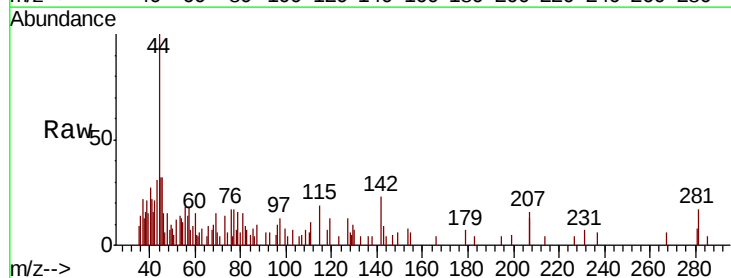
Tgt Ion: 142 Resp: 600

Ion Ratio Lower Upper

142 100

127 42.0 37.0 55.6

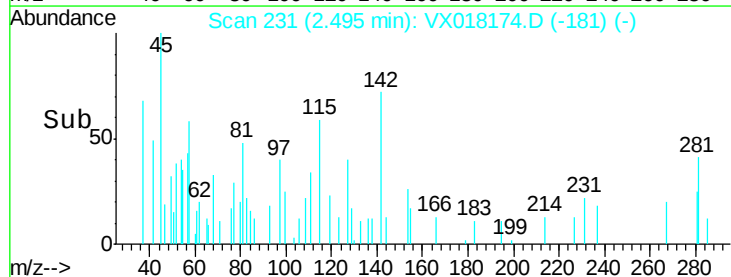
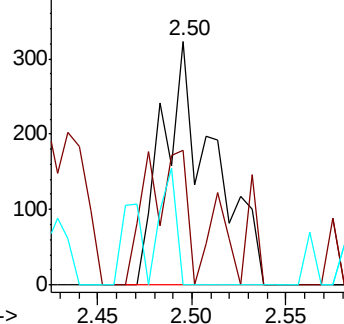
141 15.5 11.5 17.3

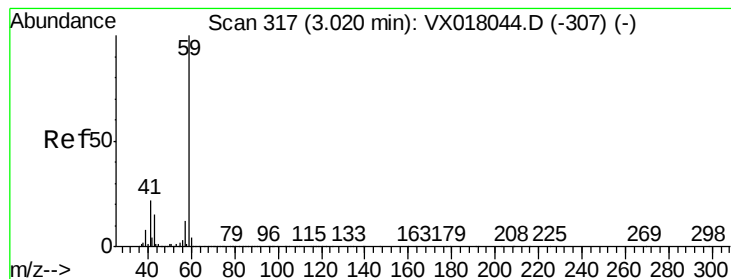


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



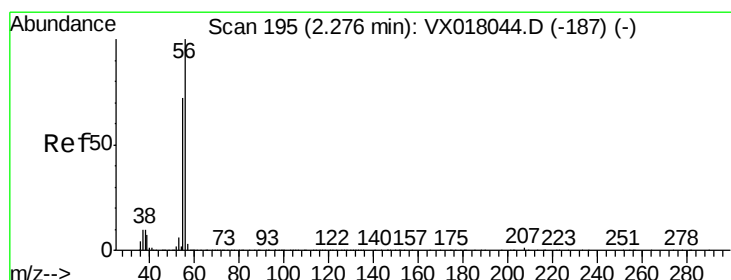
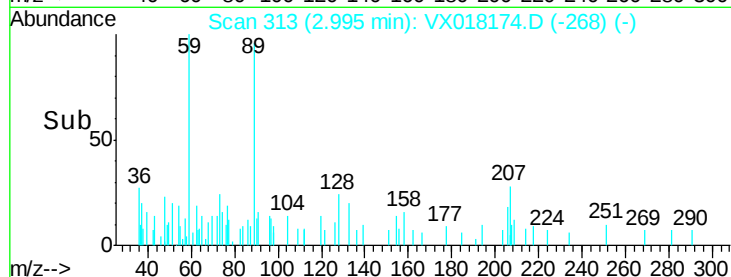
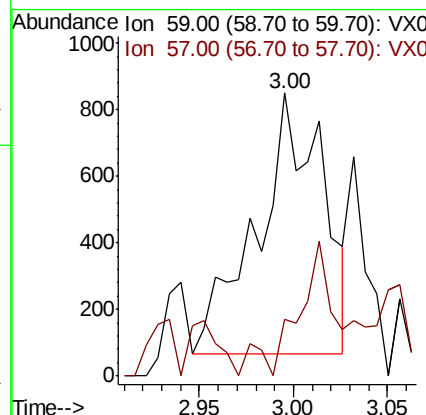
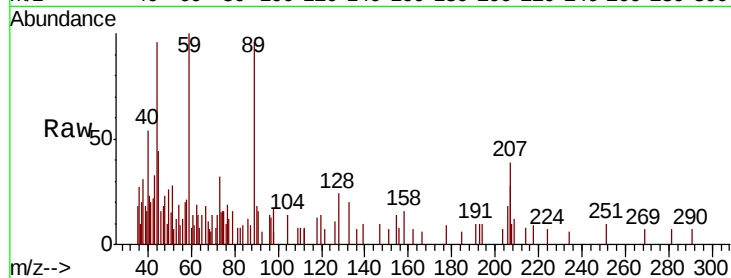


#11

Tert butyl alcohol
Concen: 1.520 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018174.D
Acq: 01 Sep 2020 02:32

Instrument :
MSVOA_X
ClientSampleId :
F06045

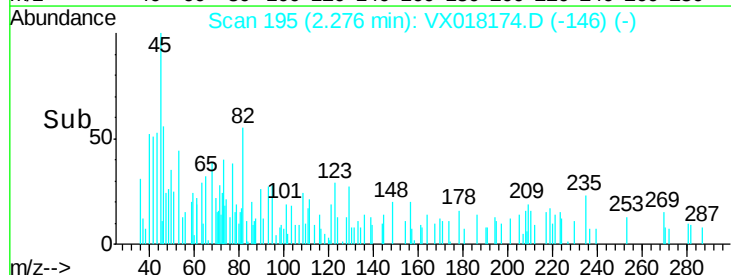
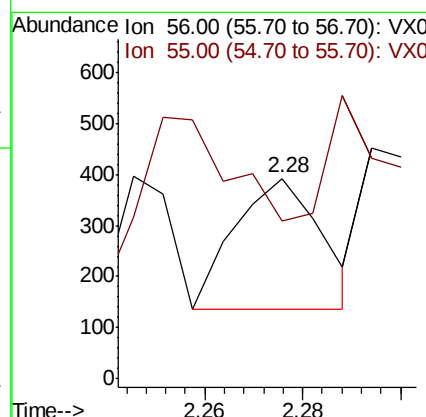
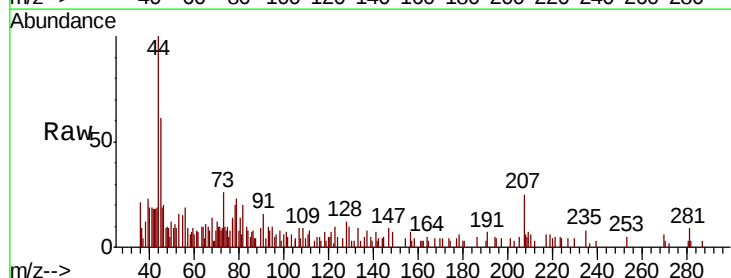
Tot Ion: 59 Resp: 1891
Ion Ratio Lower Upper
59 100
57 34.5 8.9 13.3#

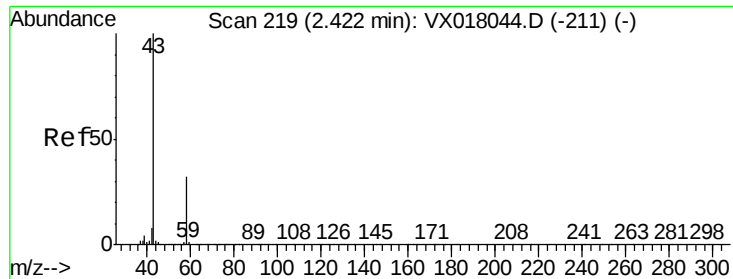


#13

Acrolein
Concen: 0.607 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX018174.D
Acq: 01 Sep 2020 02:32

Tgt Ion: 56 Resp: 313
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#





#16

Acetone

Concen: 10.751 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018174.D

Acq: 01 Sep 2020 02:32

Instrument :

MSVOA_X

ClientSampleId :

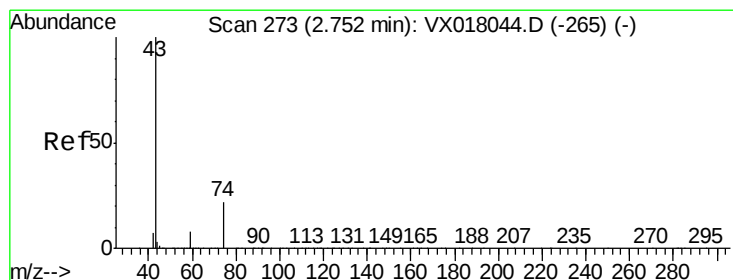
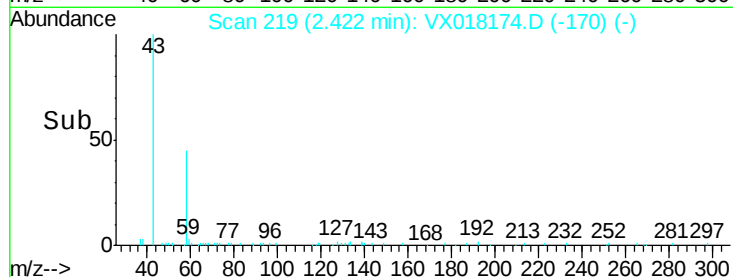
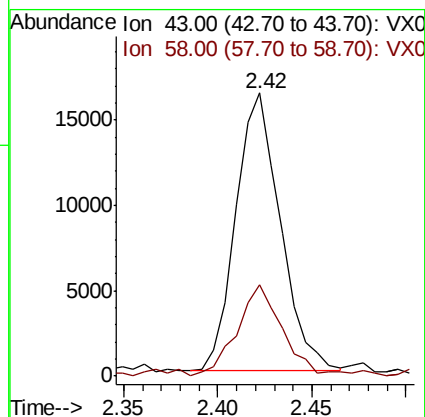
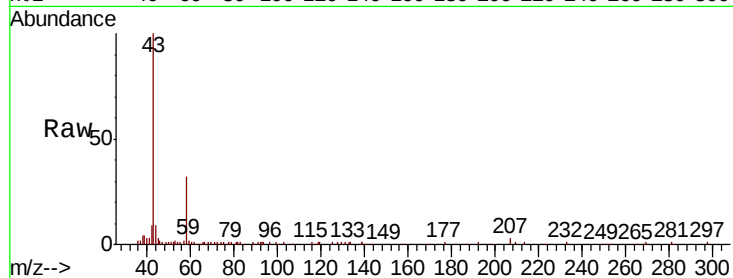
F06045

Tot Ion: 43 Resp: 26800

Ion Ratio Lower Upper

43 100

58 32.4 25.5 38.3



#18

Methyl Acetate

Concen: 2.843 ug/l

RT: 2.58 min Scan# 245

Delta R.T. -0.17 min

Lab File: VX018174.D

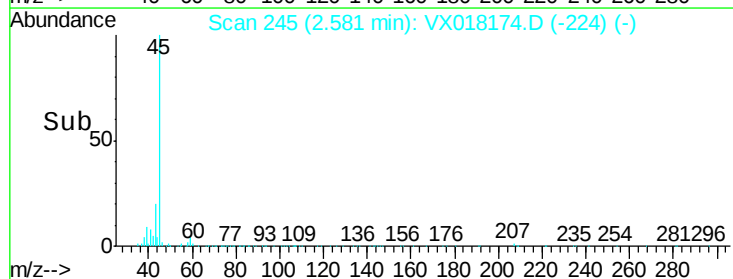
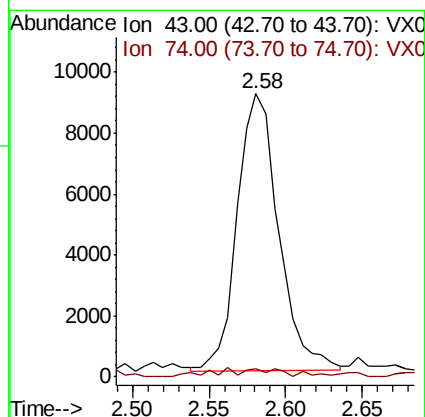
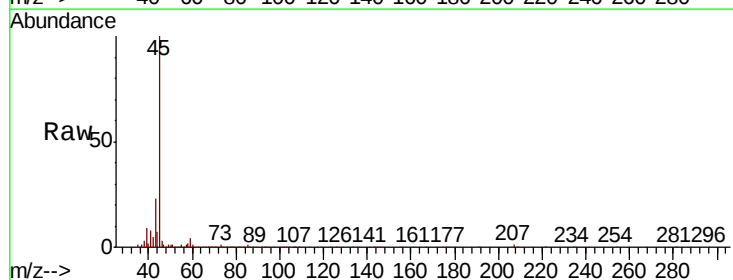
Acq: 01 Sep 2020 02:32

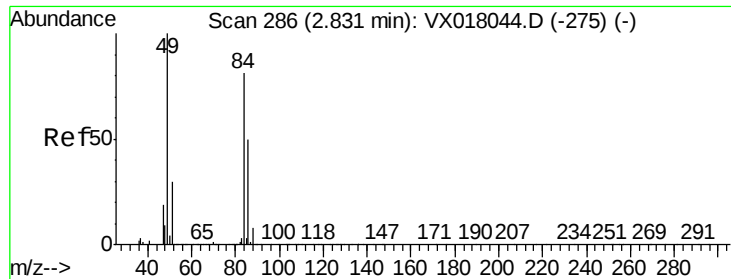
Tgt Ion: 43 Resp: 17104

Ion Ratio Lower Upper

43 100

74 2.4 18.2 27.4#

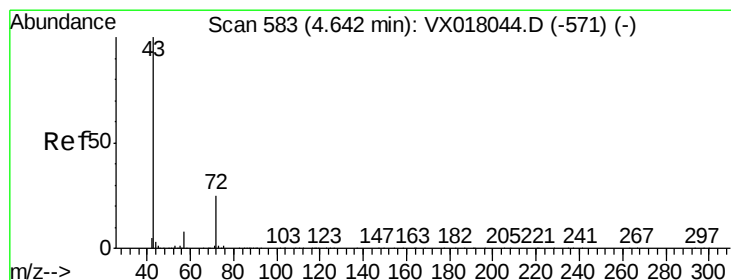
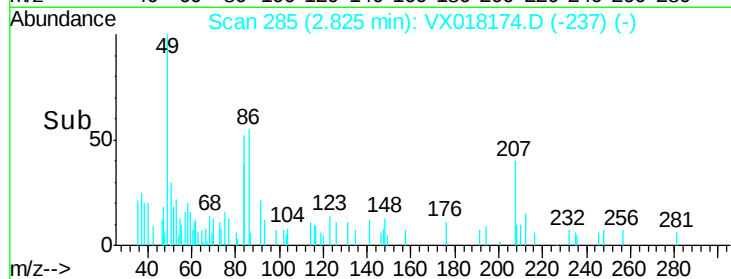
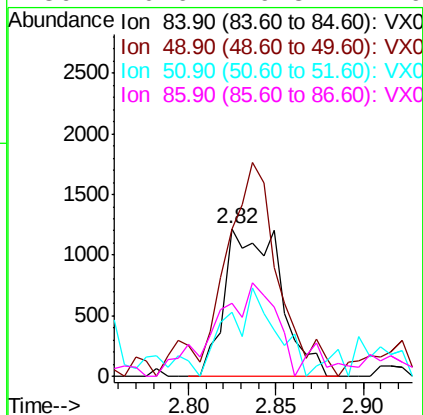
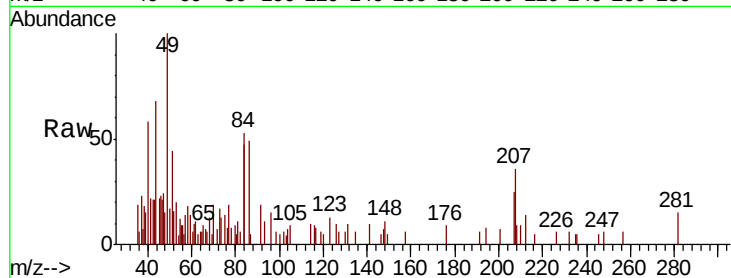




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX018174.D
Acq: 01 Sep 2020 02:32

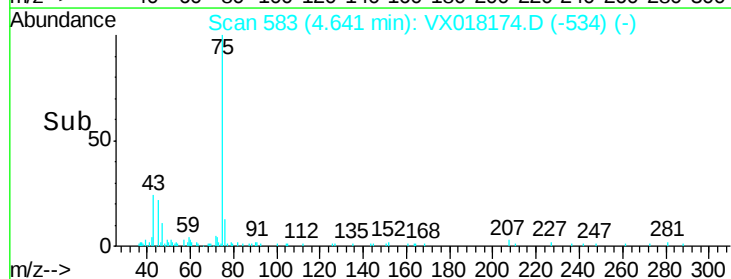
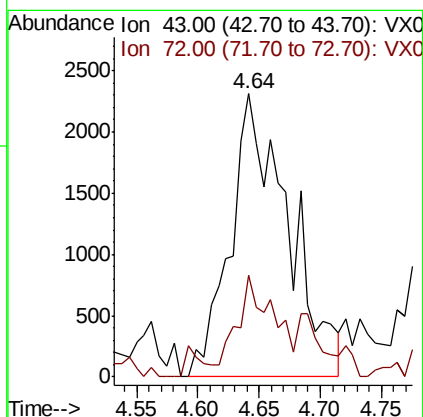
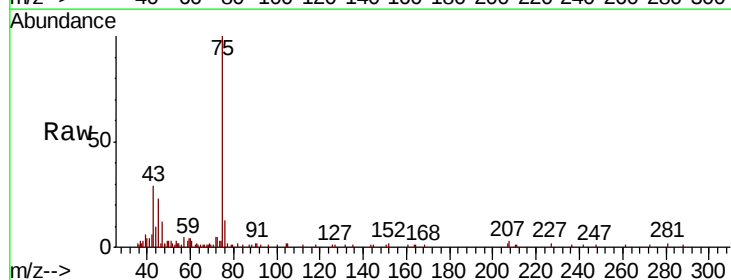
Instrument :
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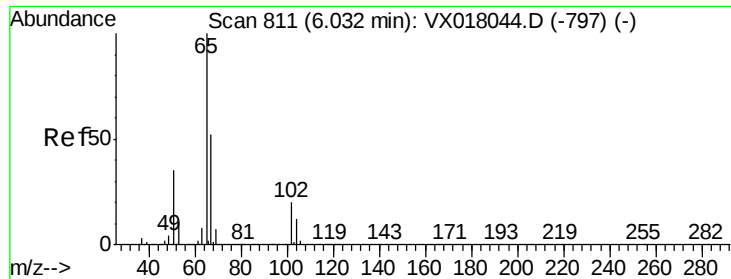
Tot Ion: 84 Resp: 2692
Ion Ratio Lower Upper
84 100
49 92.0 98.6 148.0#
51 33.1 29.6 44.4
86 40.6 49.8 74.6#



#25
2-Butanone
Concen: 1.860 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX018174.D
Acq: 01 Sep 2020 02:32

Tgt Ion: 43 Resp: 7620
Ion Ratio Lower Upper
43 100
72 28.6 19.8 29.6





#33

1,2-Dichloroethane-d4

Concen: 50.846 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018174.D

Acq: 01 Sep 2020 02:32

Instrument :

MSVOA_X

ClientSampled :

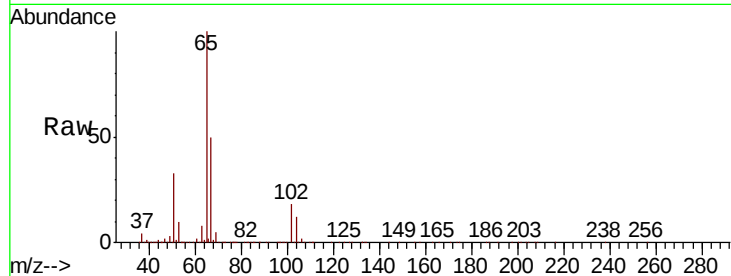
F06045

Tot Ion: 65 Resp: 325276

Ion Ratio Lower Upper

65 100

67 51.0 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

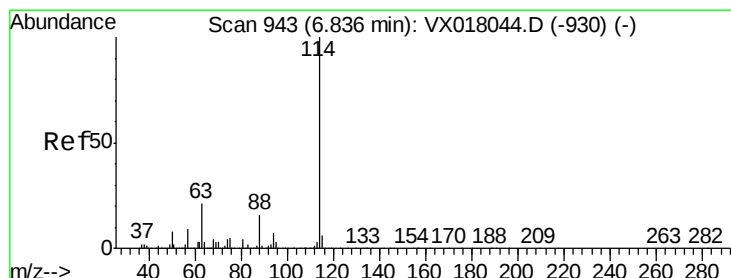
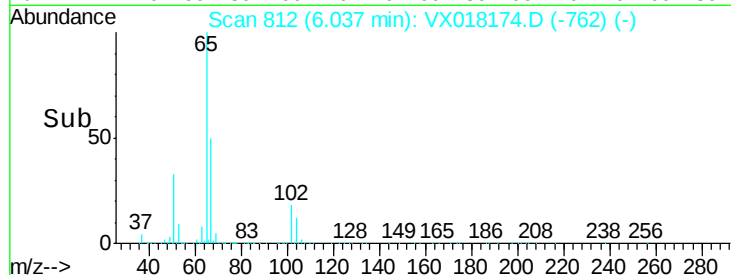
6.04

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018174.D

Acq: 01 Sep 2020 02:32

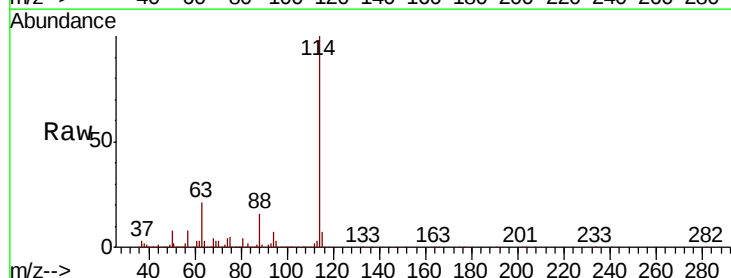
Tgt Ion: 114 Resp: 734385

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

400000

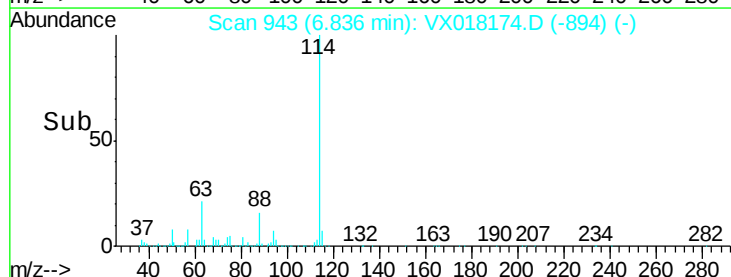
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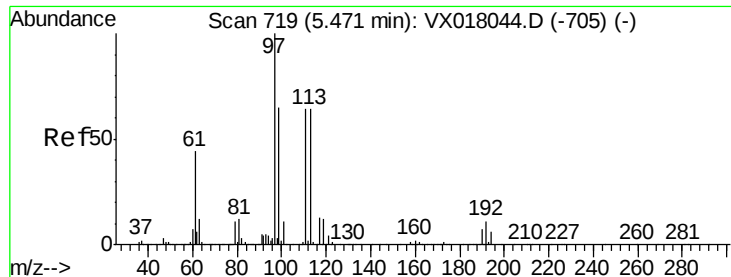
200000

100000

0

Time-->

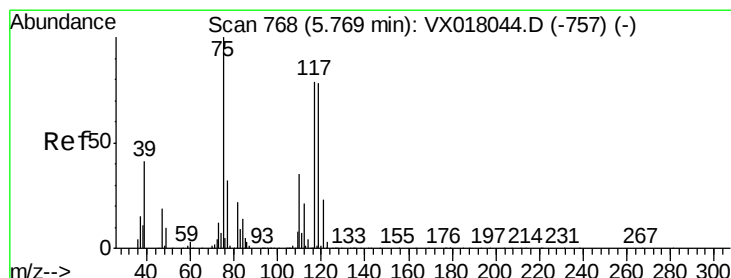
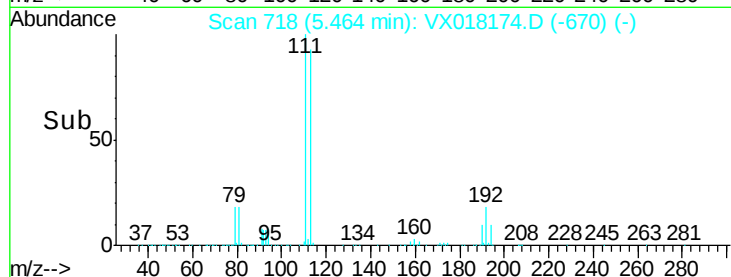
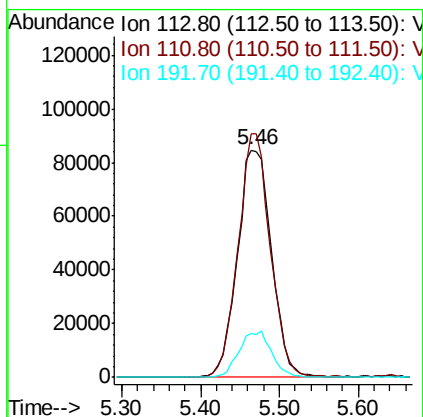
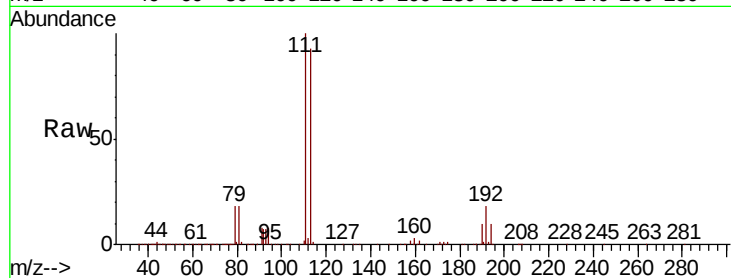




#35
 Dibromofluoromethane
 Concen: 50.852 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018174.D
 Acq: 01 Sep 2020 02:32

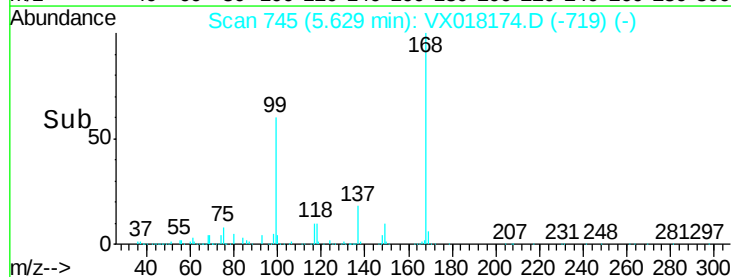
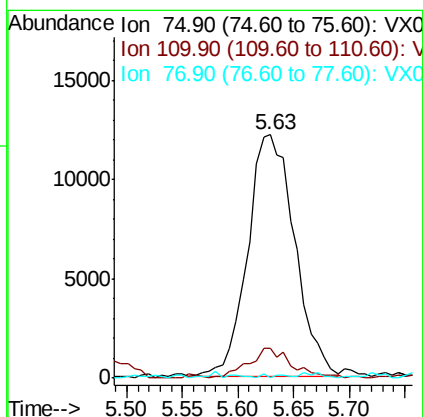
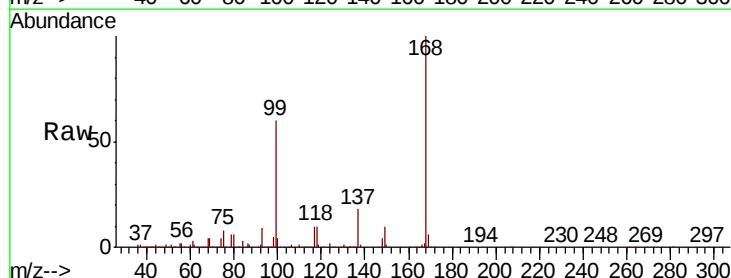
Instrument :
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 F06045

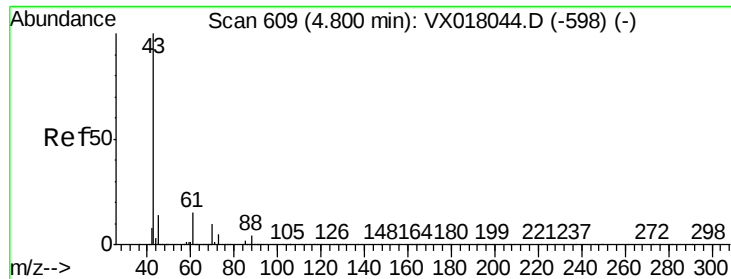
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.6	122.4
192	19.5	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.260 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018174.D
 Acq: 01 Sep 2020 02:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	18.0	54.0#
77	0.2	24.4	36.6#





#37

Ethyl Acetate

Concen: 0.295 ug/l

RT: 4.79 min Scan# 608

Delta R.T. -0.01 min

Lab File: VX018174.D

Acq: 01 Sep 2020 02:32

Instrument :

MSVOA_X

ClientSampleId :

F06045

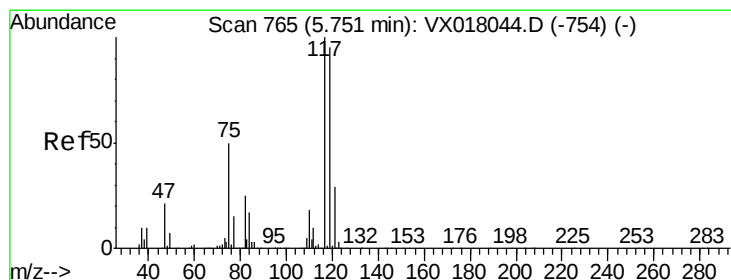
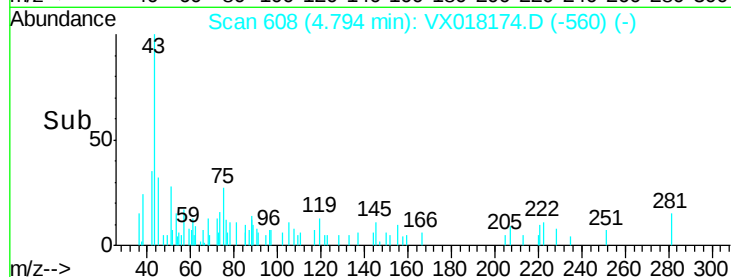
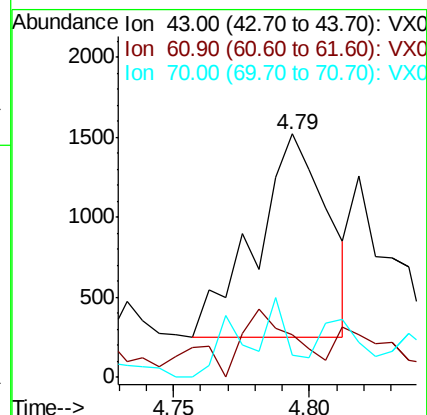
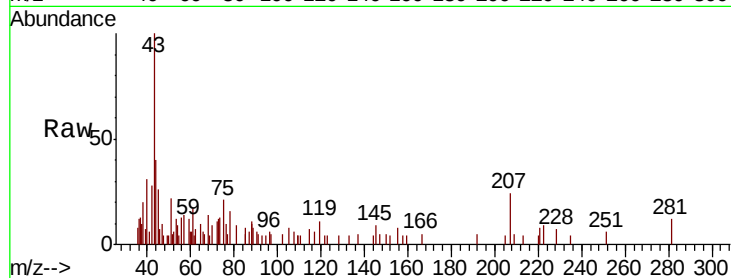
Tot Ion: 43 Resp: 2317

Ion Ratio Lower Upper

43 100

61 24.6 11.3 16.9#

70 24.9 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 6.299 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018174.D

Acq: 01 Sep 2020 02:32

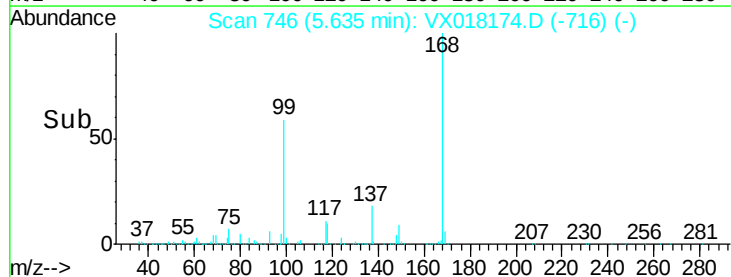
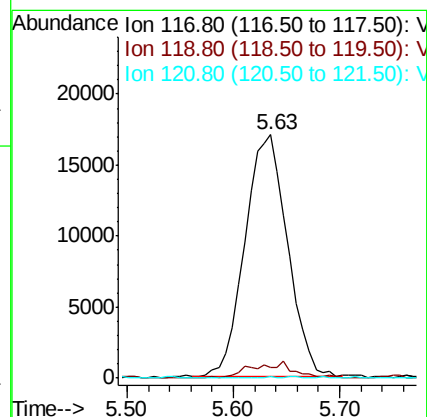
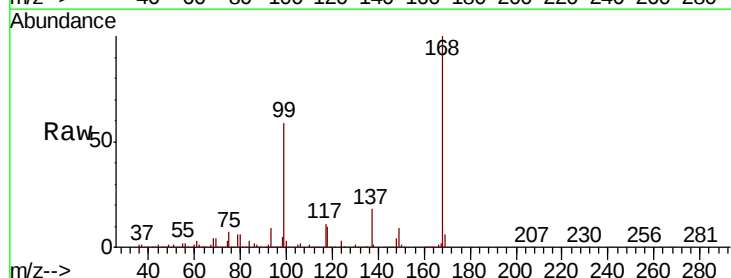
Tgt Ion: 117 Resp: 48080

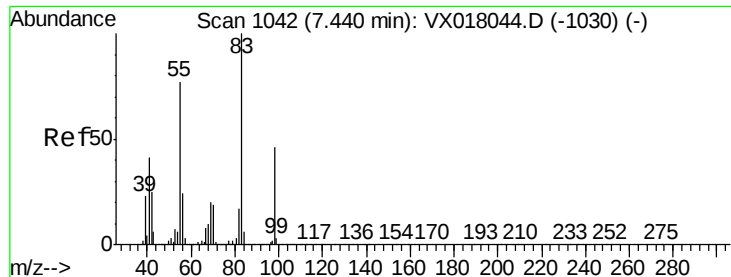
Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.6#

121 0.5 23.4 35.0#

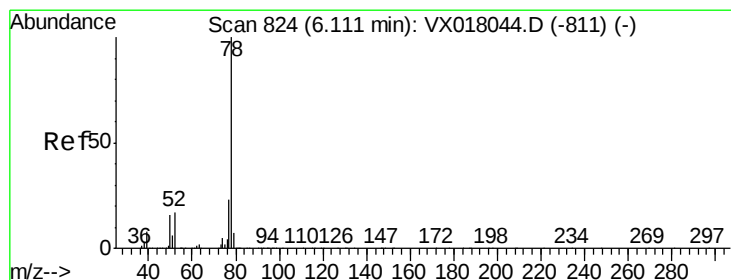
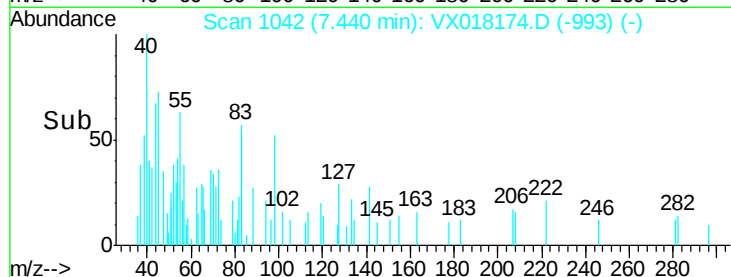
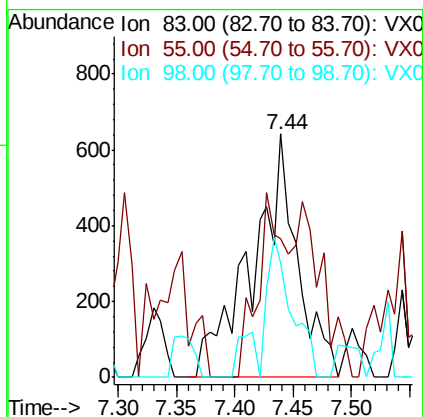
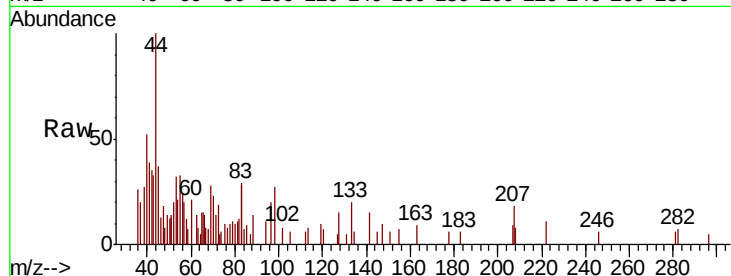




#39
Methvlcvclohexane
Concen: 0.234 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX018174.D
Acq: 01 Sep 2020 02:32

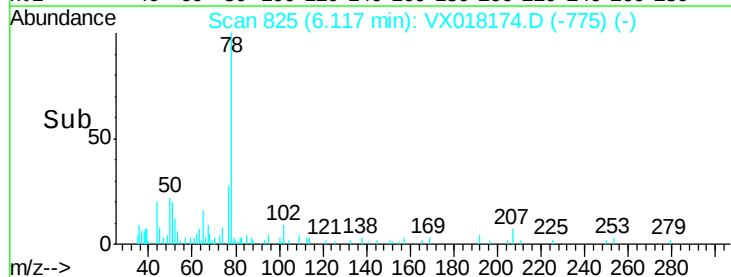
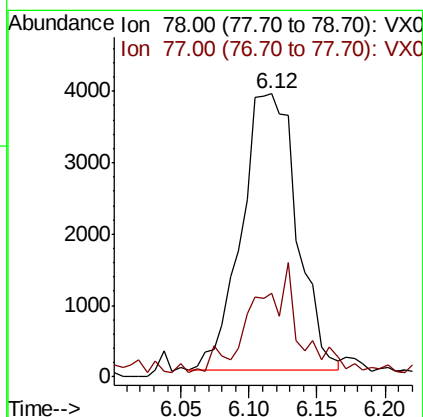
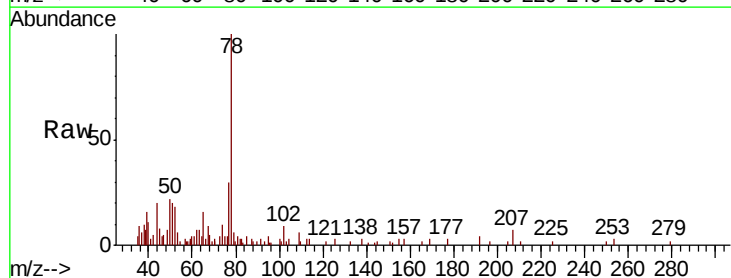
Instrument :
MSVOA_X
ClientSampled :
F06045

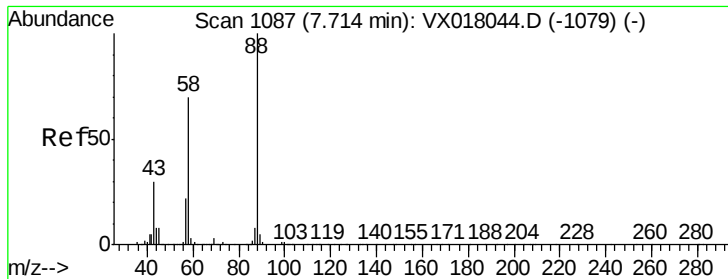
Tot Ion: 83 Resp: 1735
Ion Ratio Lower Upper
83 100
55 44.5 61.8 92.6#
98 33.8 36.6 55.0#



#40
Benzene
Concen: 0.555 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX018174.D
Acq: 01 Sep 2020 02:32

Tgt Ion: 78 Resp: 11045
Ion Ratio Lower Upper
78 100
77 28.8 18.2 27.2#

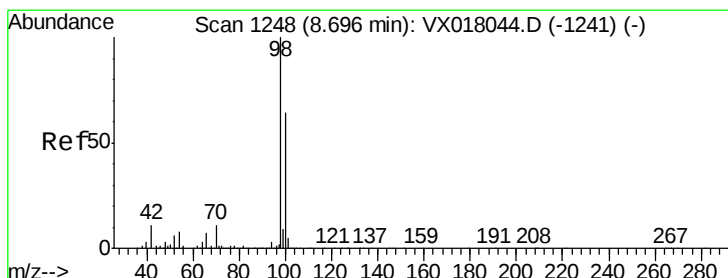
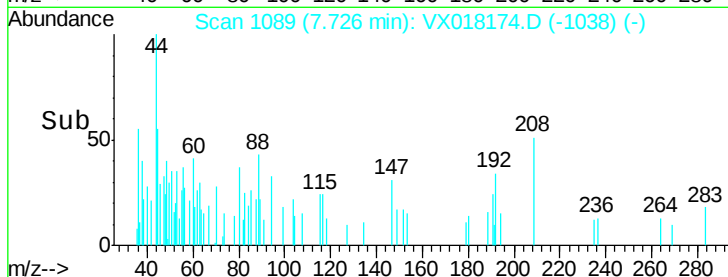
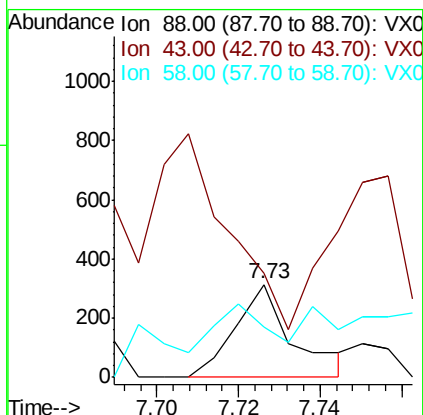
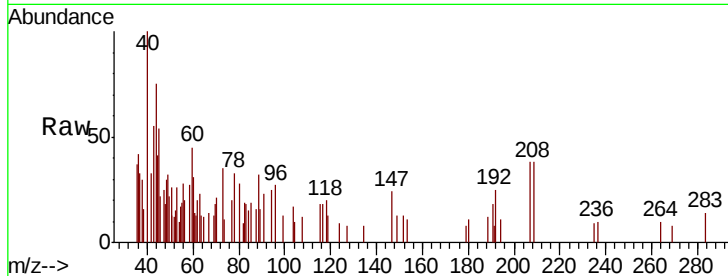




#49
1,4-Dioxane
Concen: 2.688 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX018174.D
Acq: 01 Sep 2020 02:32

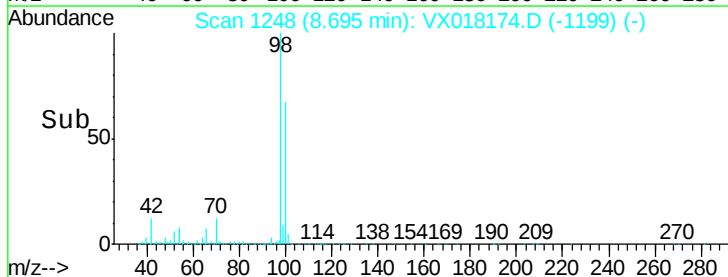
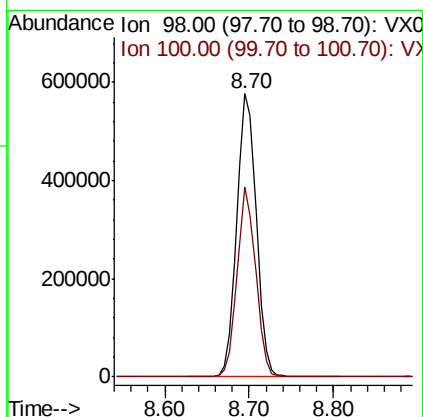
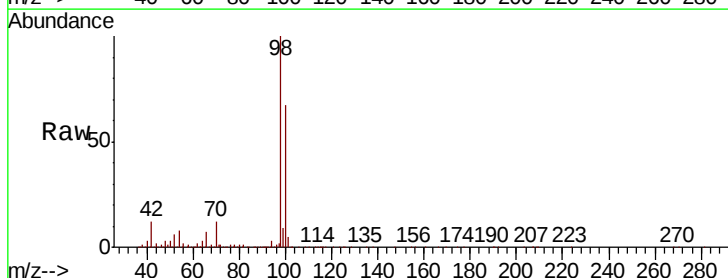
Instrument :
MSVOA_X
ClientSampled :
F06045

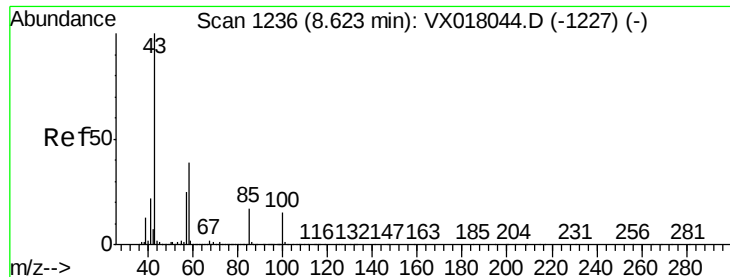
Tot Ion: 88 Resp: 308
Ion Ratio Lower Upper
88 100
43 359.1 27.4 41.0#
58 128.9 56.4 84.6#



#50
Toluene-d8
Concen: 48.109 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018174.D
Acq: 01 Sep 2020 02:32

Tgt Ion: 98 Resp: 896201
Ion Ratio Lower Upper
98 100
100 63.6 52.2 78.4

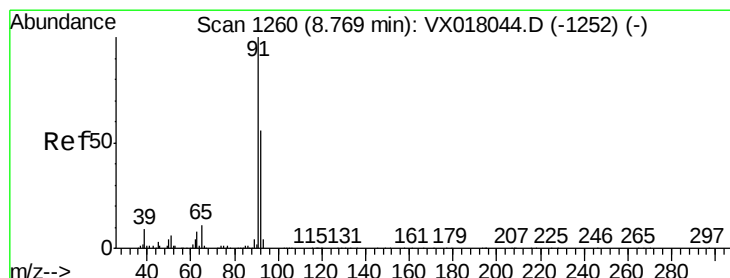
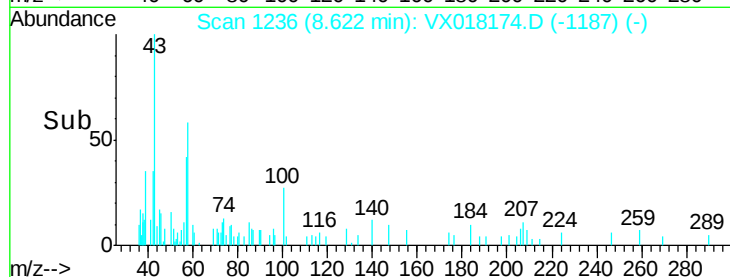
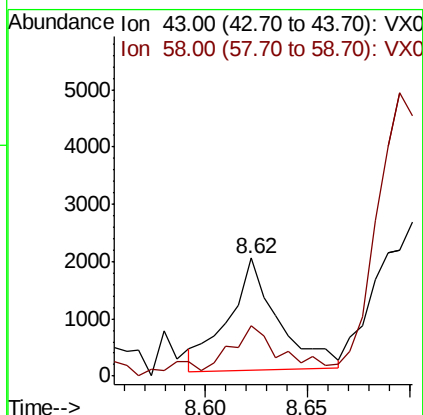
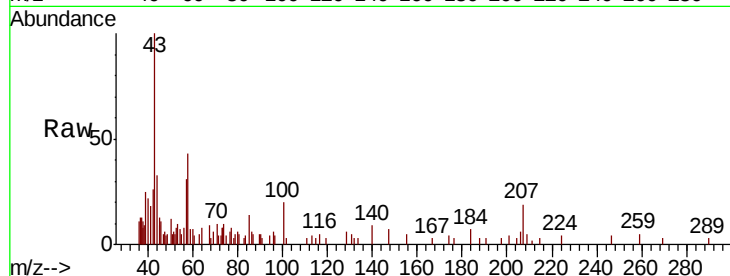




#51
4-Methyl-2-Pentanone
Concen: 0.420 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX018174.D
Acq: 01 Sep 2020 02:32

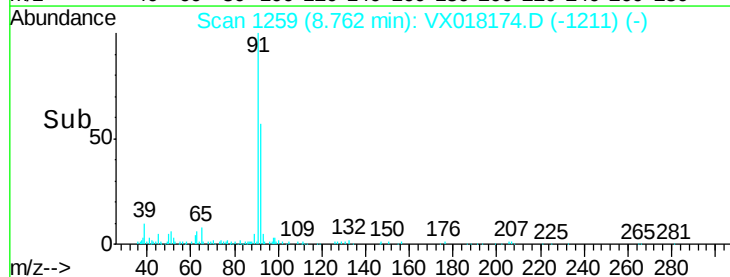
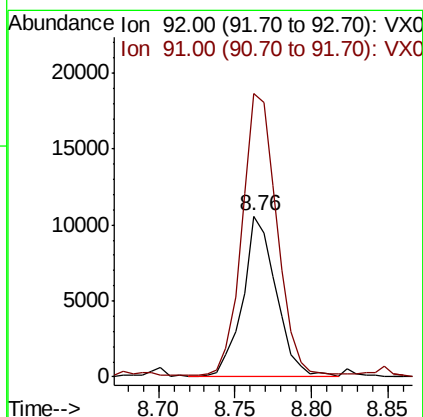
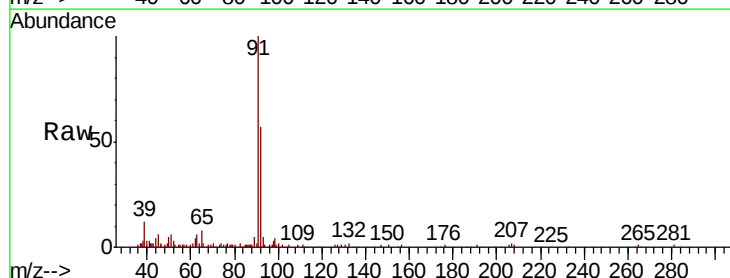
Instrument :
MSVOA_X
ClientSampleId :
F06045

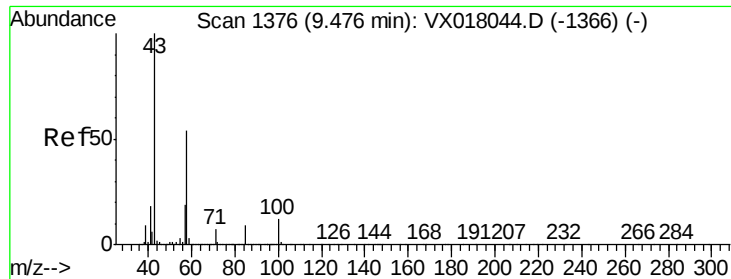
Tot Ion: 43 Resp: 3299
Ion Ratio Lower Upper
43 100
58 37.6 30.7 46.1



#52
Toluene
Concen: 1.277 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VX018174.D
Acq: 01 Sep 2020 02:32

Tgt Ion: 92 Resp: 16115
Ion Ratio Lower Upper
92 100
91 182.9 140.3 210.5





#59

2-Hexanone

Concen: 0.202 ug/l

RT: 9.48 min Scan# 1377

Delta R.T. 0.01 min

Lab File: VX018174.D

Acq: 01 Sep 2020 02:32

Instrument :

MSVOA_X

ClientSampleId :

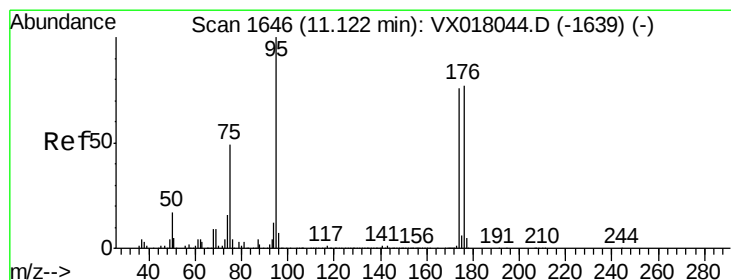
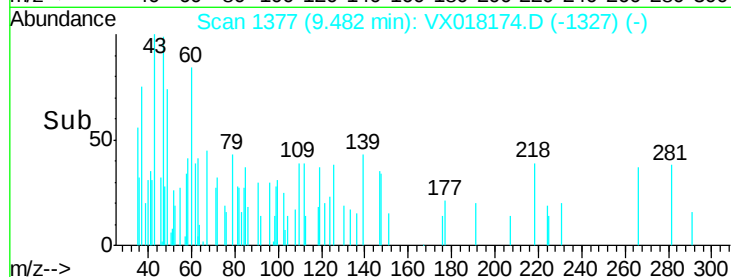
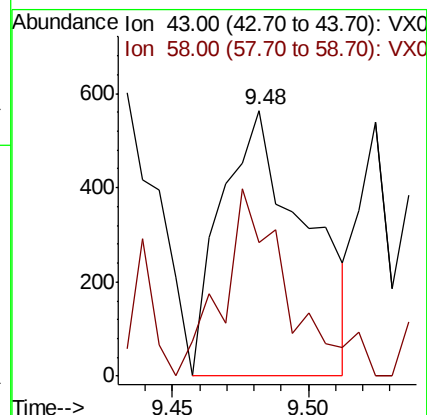
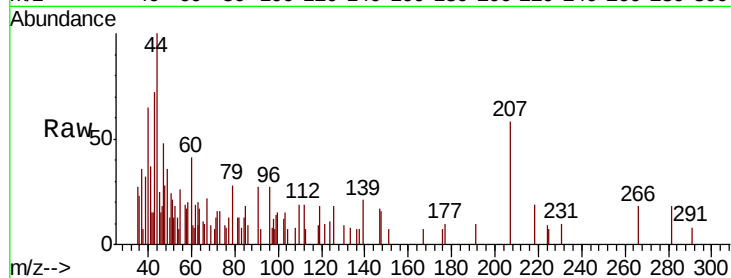
F06045

Tot Ion: 43 Resp: 1208

Ion Ratio Lower Upper

43 100

58 54.4 26.6 79.7



#62

4-Bromofluorobenzene

Concen: 45.235 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018174.D

Acq: 01 Sep 2020 02:32

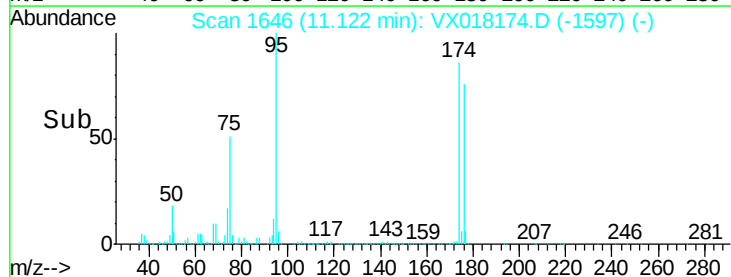
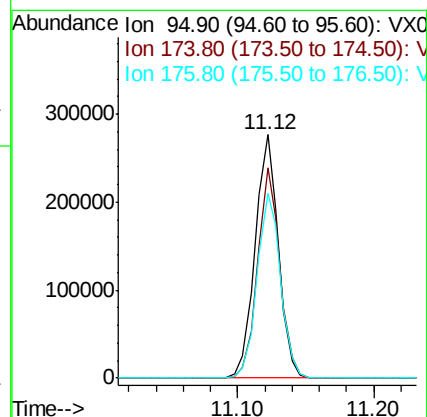
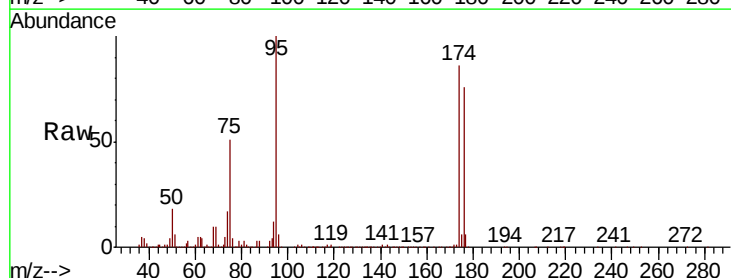
Tgt Ion: 95 Resp: 331533

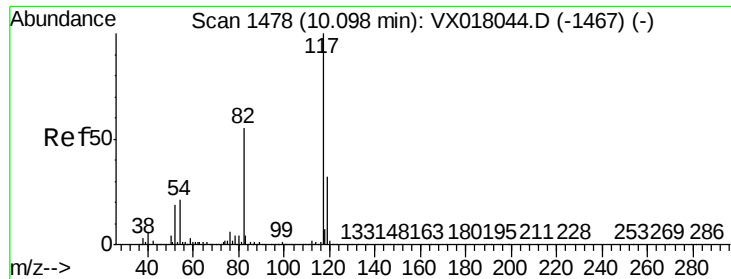
Ion Ratio Lower Upper

95 100

174 83.0 0.0 160.2

176 77.3 0.0 155.8

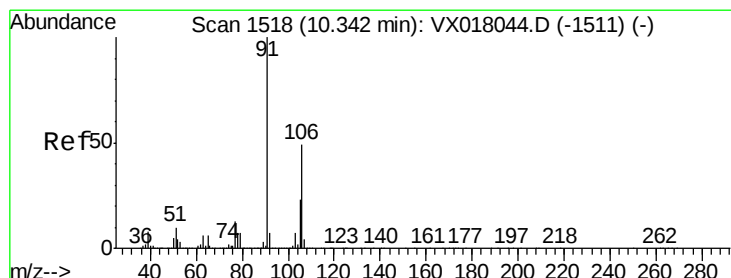
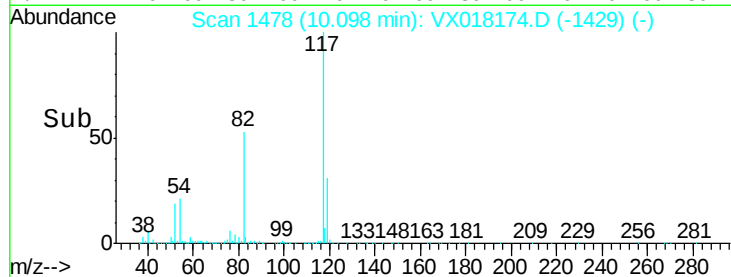
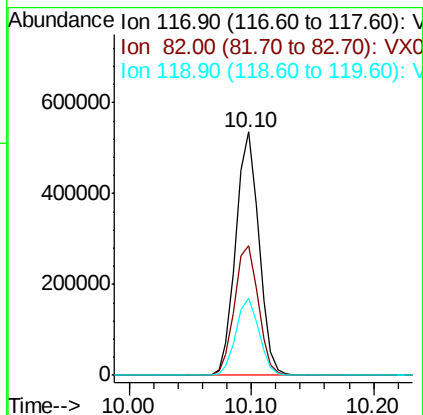
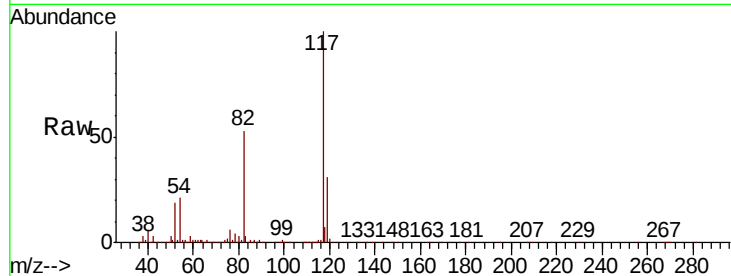




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018174.D
Acq: 01 Sep 2020 02:32

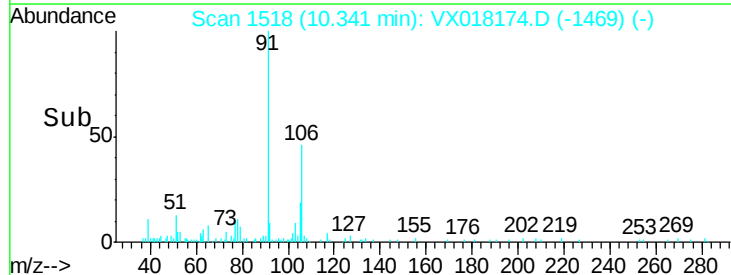
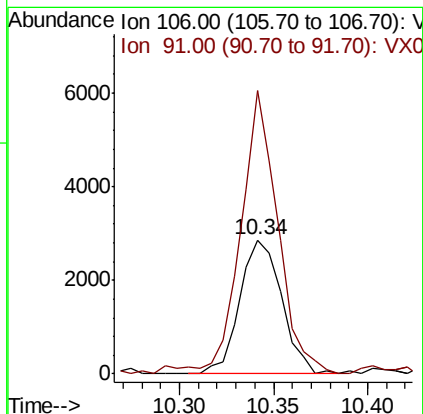
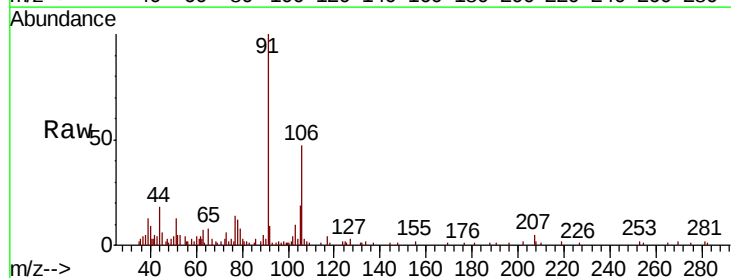
Instrument :
MSVOA_X
ClientSampleId :
F06045

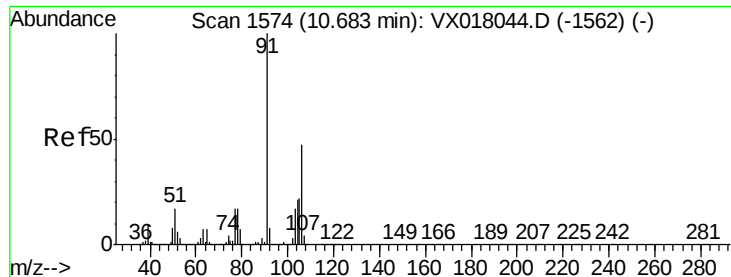
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	44.2	66.2
119	31.5	25.7	38.5



#68
m/p-Xylenes
Concen: 0.497 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX018174.D
Acq: 01 Sep 2020 02:32

Tgt Ion	Ratio	Lower	Upper
106	100		
91	190.1	162.2	243.2

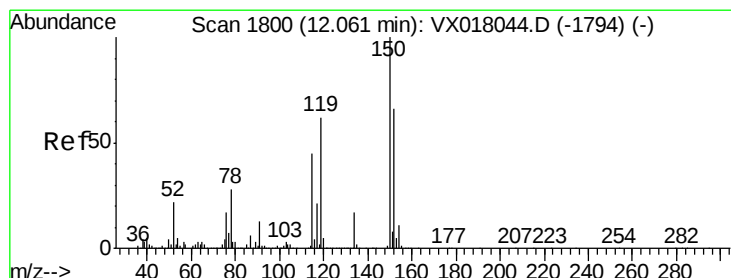
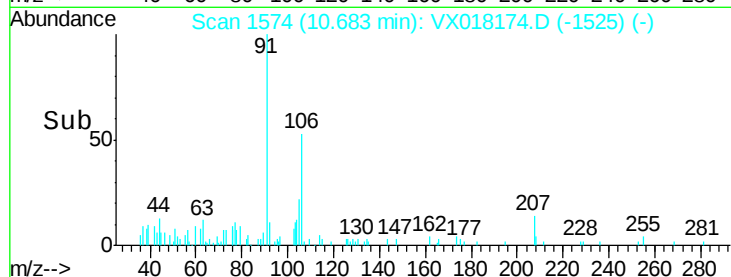
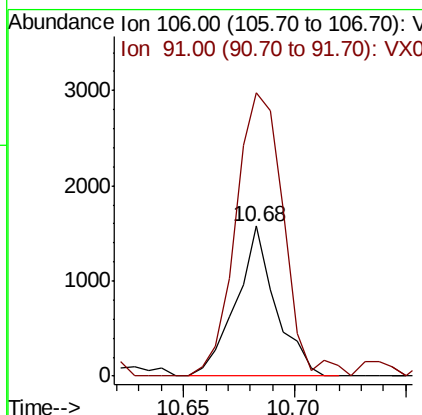
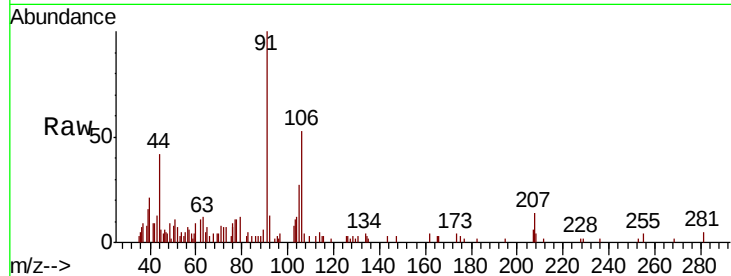




#69
o-Xylene
Concen: 0.227 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018174.D
Acq: 01 Sep 2020 02:32

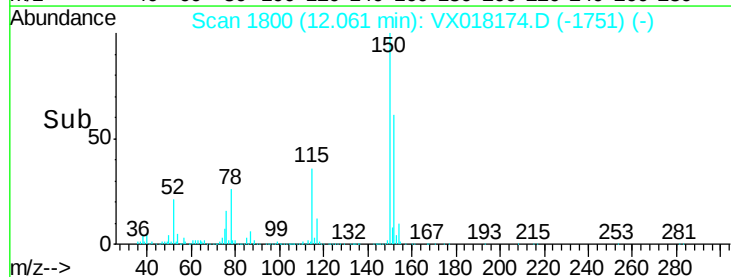
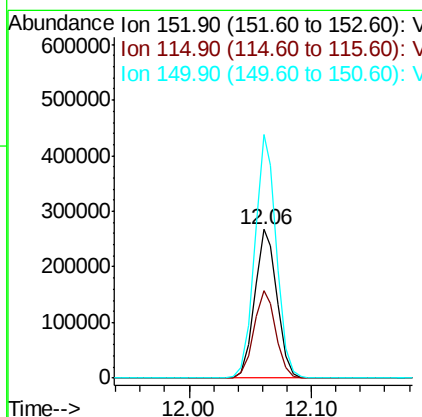
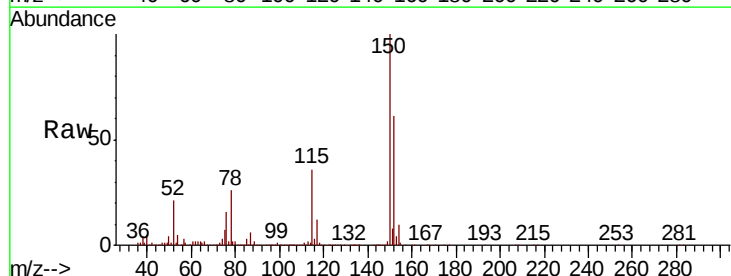
Instrument :
MSVOA_X
ClientSampleId :
F06045

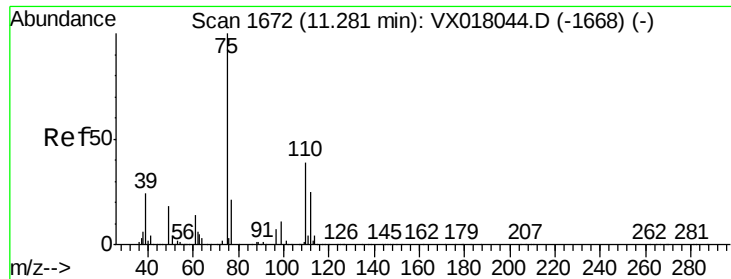
Tot Ion:106 Resp: 1953
Ion Ratio Lower Upper
106 100
91 228.0 107.1 321.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018174.D
Acq: 01 Sep 2020 02:32

Tgt Ion:152 Resp: 339049
Ion Ratio Lower Upper
152 100
115 58.1 41.5 124.5
150 159.5 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 22.860 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018174.D

Acq: 01 Sep 2020 02:32

Instrument :

MSVOA_X

ClientSampleId :

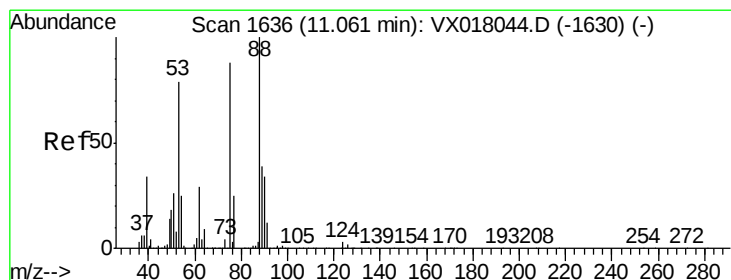
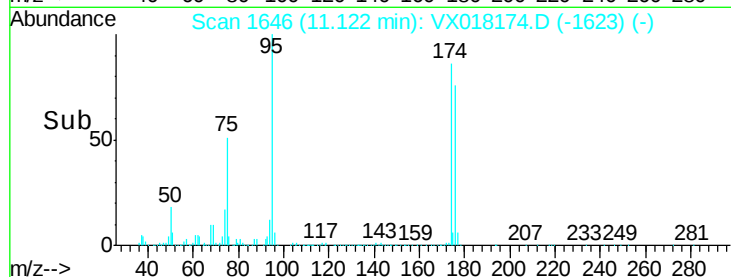
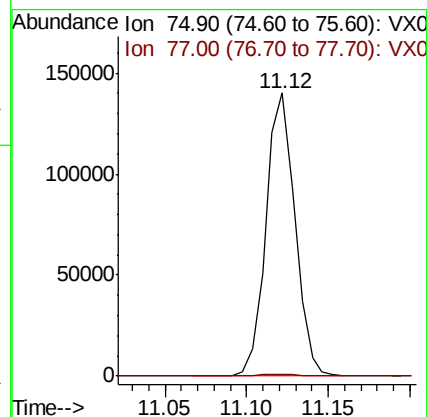
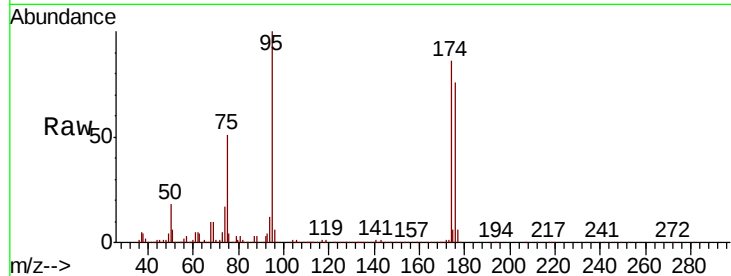
F06045

Tot Ion: 75 Resp: 172418

Ion Ratio Lower Upper

75 100

77 1.2 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.742 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018174.D

Acq: 01 Sep 2020 02:32

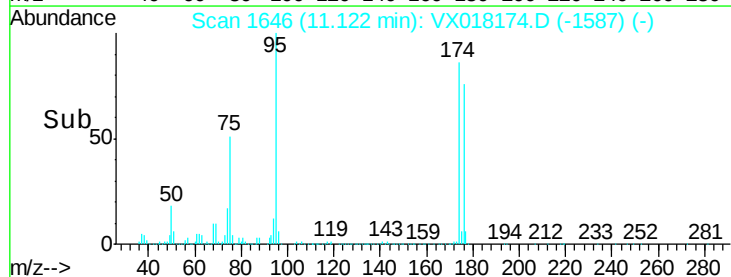
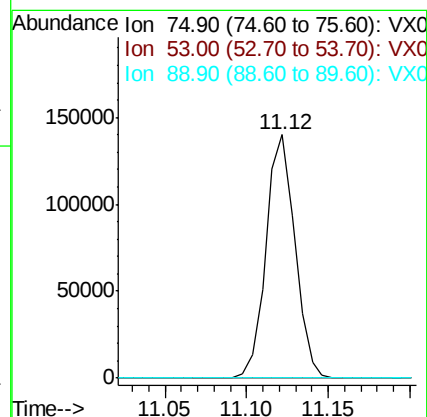
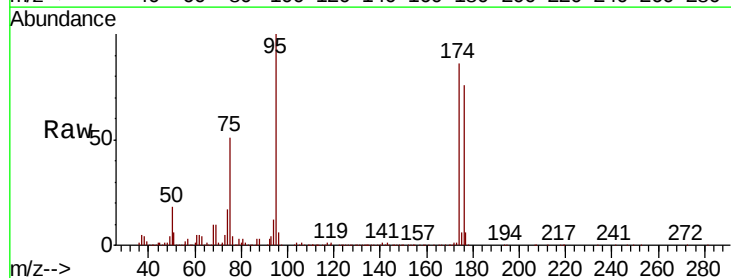
Tgt Ion: 75 Resp: 172418

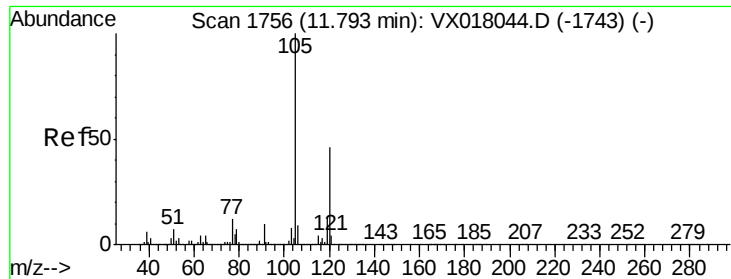
Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.1 36.6 54.8#

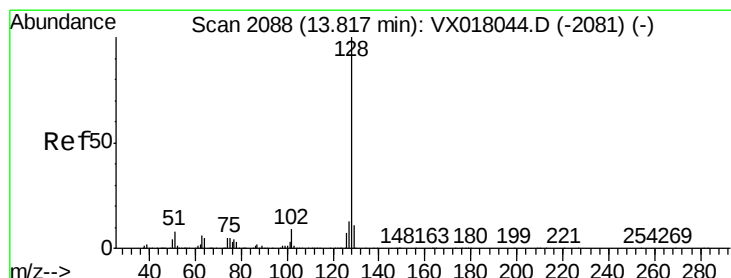
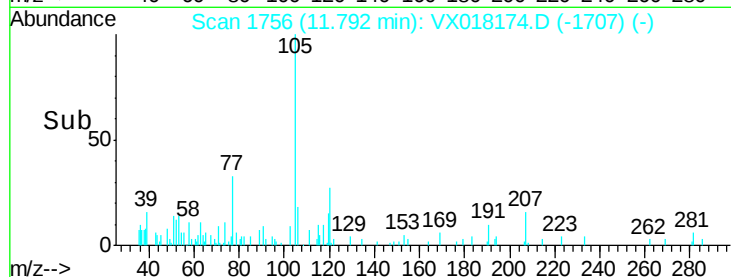
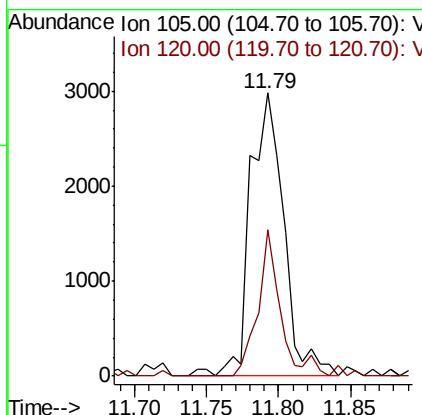
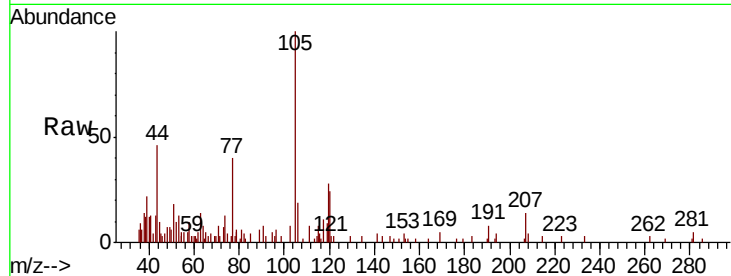




#84
 1,2,4-Trimethylbenzene
 Concen: 0.253 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX018174.D
 Acq: 01 Sep 2020 02:32

Instrument :
 MSVOA_X
 ClientSampleId :
 F06045

Tot Ion:105 Resp: 4749
 Ion Ratio Lower Upper
 105 100
 120 32.7 22.3 66.9



#95
 Naphthalene
 Concen: 0.525 ug/l
 RT: 13.82 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: VX018174.D
 Acq: 01 Sep 2020 02:32

Tgt Ion:128 Resp: 11765
 Ion Ratio Lower Upper
 128 100
 127 16.3 10.2 15.2#
 129 16.5 8.7 13.1#

