

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016975.D
 Acq On : 26 Jun 2020 12:05
 Operator : JC/SP
 Sample : L3066-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB_061820

Quant Time: Jun 27 03:00:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:34:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	198038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	354252	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	361200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	182758	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	153284	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
35) Dibromofluoromethane	5.46	113	114412	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
50) Toluene-d8	8.70	98	450628	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	11.12	95	184169	55.53	ug/l	0.00
Spiked Amount			Recovery	=	111.06%	

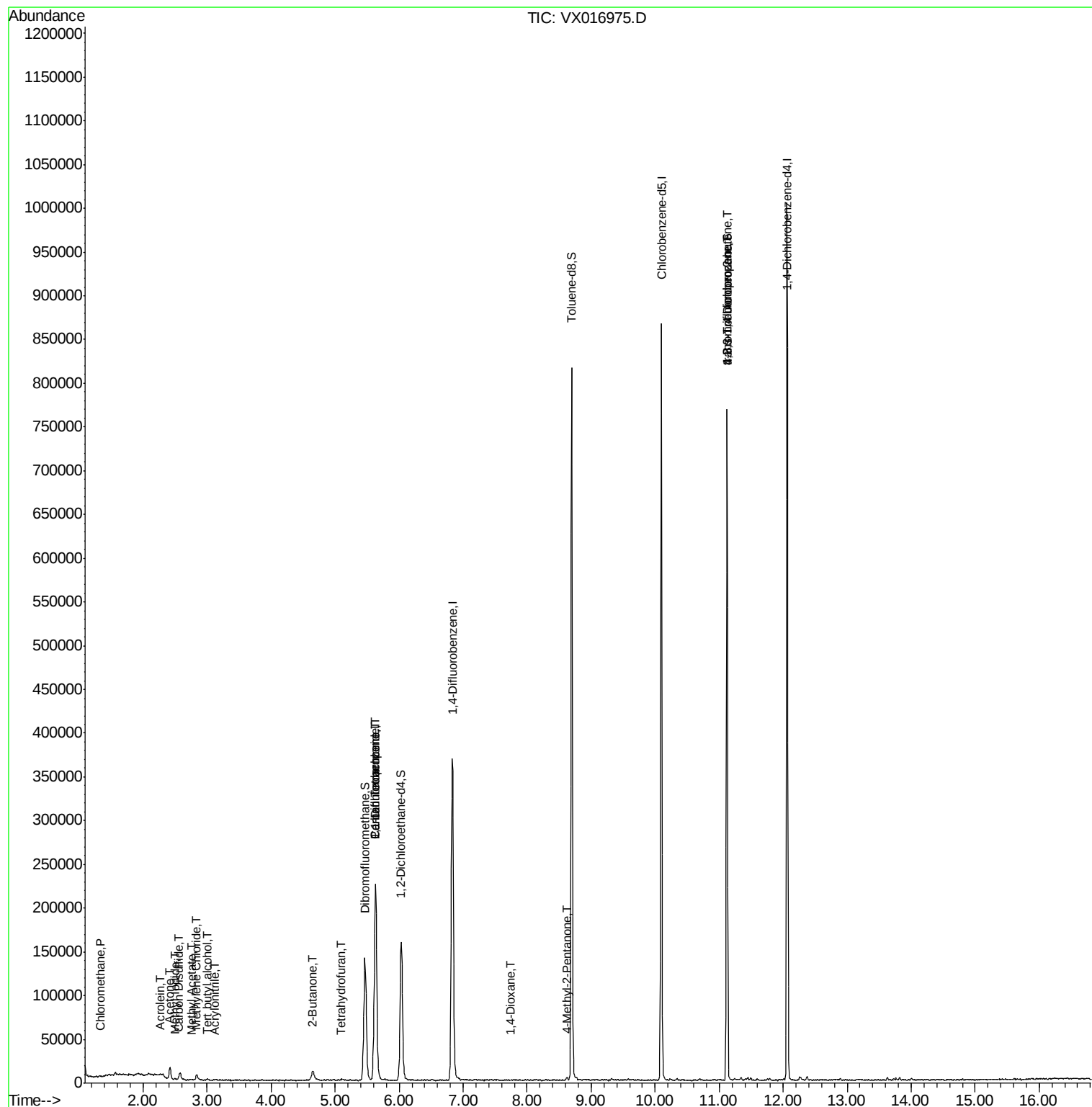
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1108	0.457	ug/l #	87
5) Bromomethane	1.64	94	557	Below Cal		84
10) Methyl Iodide	2.50	142	424	2.931	ug/l #	74
11) Tert butyl alcohol	3.01	59	923	1.635	ug/l	99
13) Acrolein	2.26	56	230	0.550	ug/l #	1
15) Acrylonitrile	3.12	53	527	0.402	ug/l #	47
16) Acetone	2.42	43	15566	13.315	ug/l	94
17) Carbon Disulfide	2.55	76	1938	0.278	ug/l #	79
18) Methyl Acetate	2.76	43	883	0.310	ug/l #	84
20) Methylene Chloride	2.83	84	3050	1.148	ug/l #	83
25) 2-Butanone	4.65	43	3413	1.916	ug/l #	87
29) Tetrahydrofuran	5.09	42	762	0.651	ug/l #	49
36) 1,1-Dichloropropene	5.63	75	17988	5.128	ug/l #	52
38) Carbon Tetrachloride	5.63	117	21553	5.806	ug/l #	17
49) 1,4-Dioxane	7.74	88	62	1.007	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	2100	0.579	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	101299	26.412	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	101299	67.056	ug/l #	9

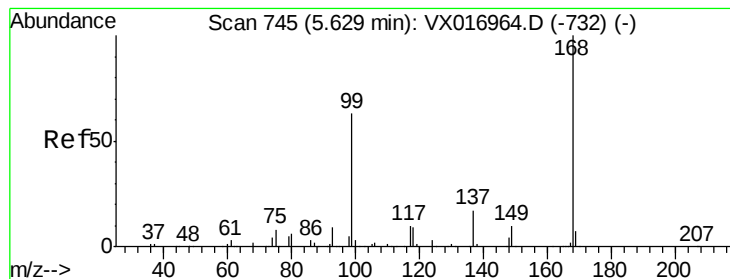
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016975.D

Acq: 26 Jun 2020 12:05

Instrument :

MSVOA_X

ClientSampleId :

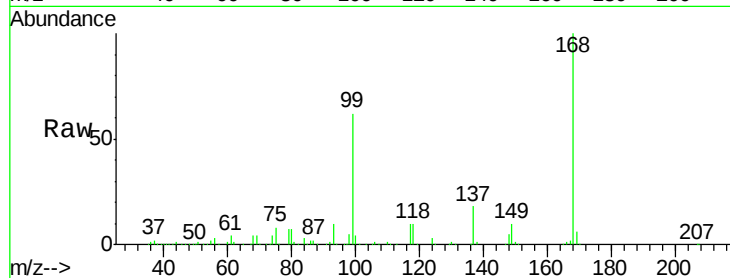
EB_061820

Tot Ion:168 Resp: 198038

Ion Ratio Lower Upper

168 100

99 62.5 50.2 75.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

60000

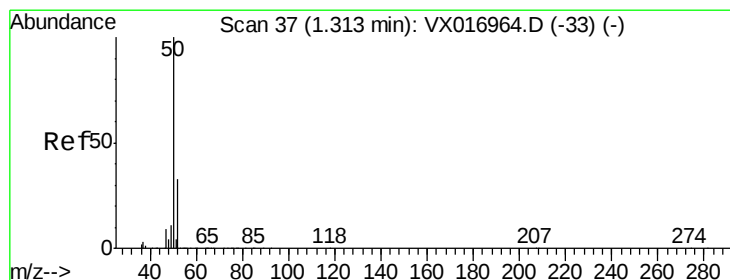
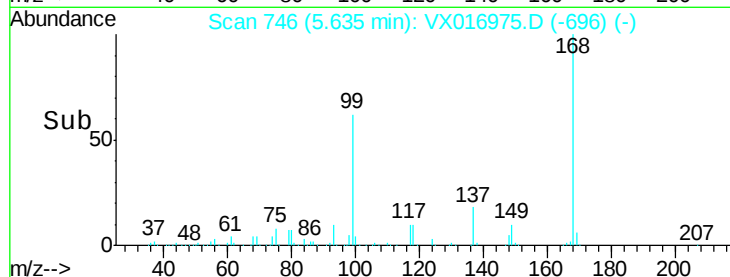
40000

20000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 0.457 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016975.D

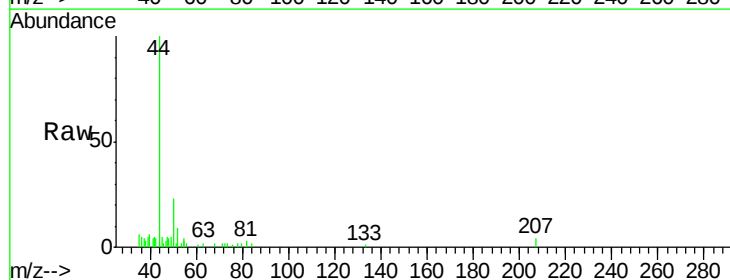
Acq: 26 Jun 2020 12:05

Tgt Ion: 50 Resp: 1108

Ion Ratio Lower Upper

50 100

52 40.7 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1000

800

600

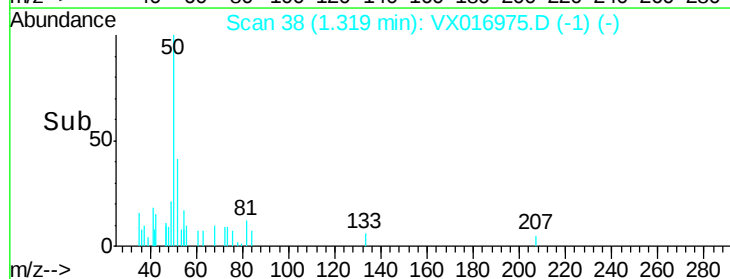
400

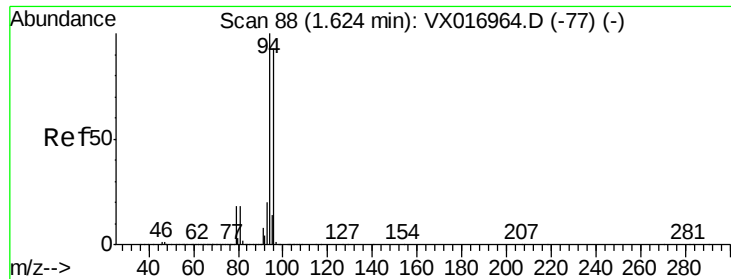
200

0

Time-->

1.25 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016975.D

Acq: 26 Jun 2020 12:05

Instrument :

MSVOA_X

ClientSampleId :

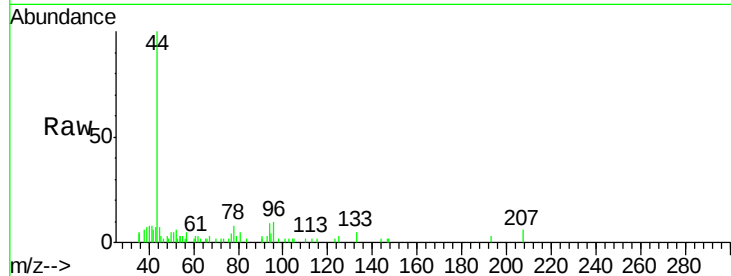
EB_061820

Tot Ion: 94 Resp: 557

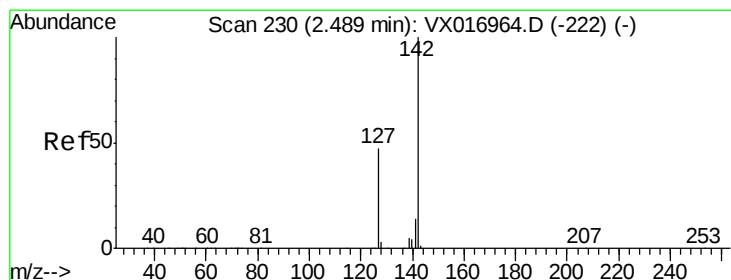
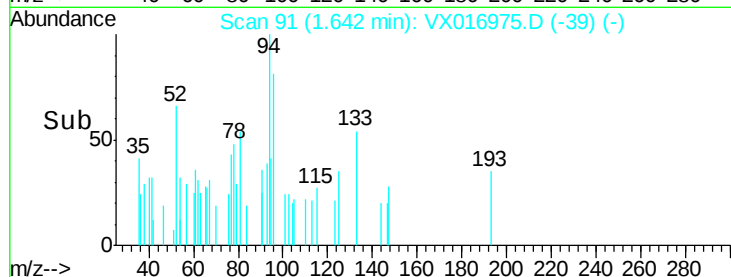
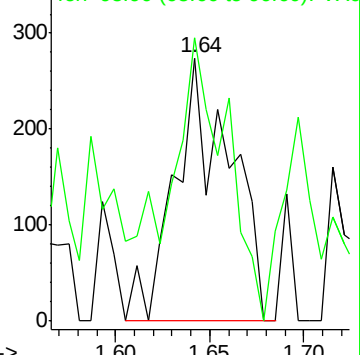
Ion Ratio Lower Upper

94 100

96 77.4 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VX016964.D (-77) (-)



#10

Methyl Iodide

Concen: 2.931 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016975.D

Acq: 26 Jun 2020 12:05

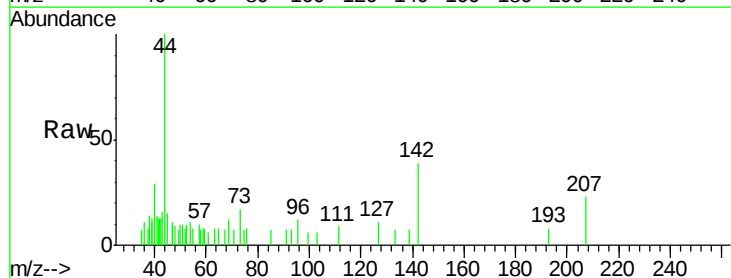
Tgt Ion: 142 Resp: 424

Ion Ratio Lower Upper

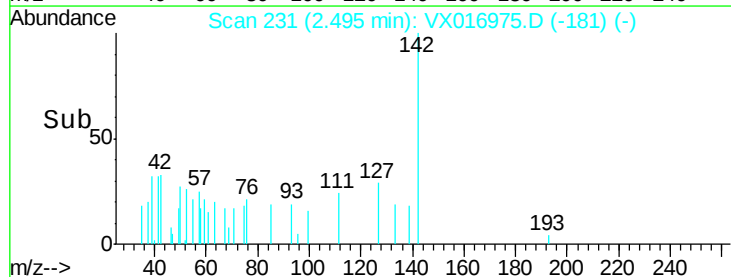
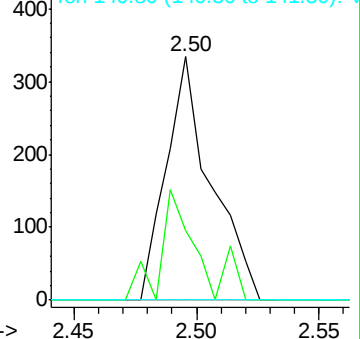
142 100

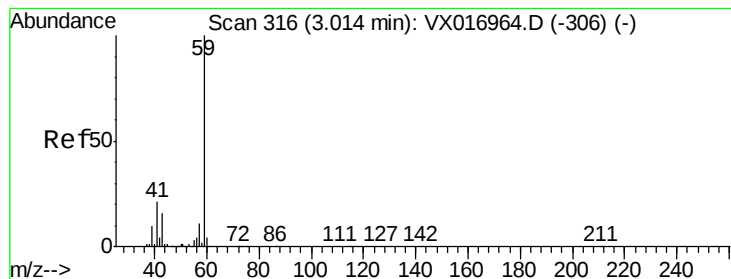
127 31.1 37.4 56.0#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): VX016964.D (-222) (-)



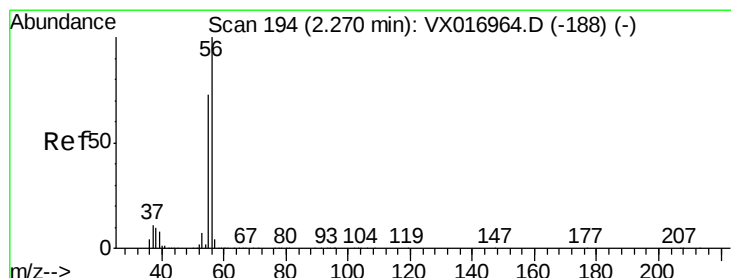
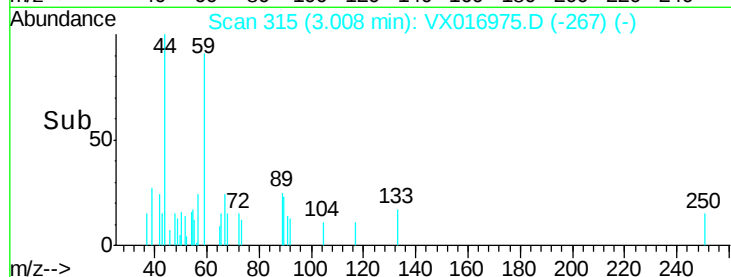
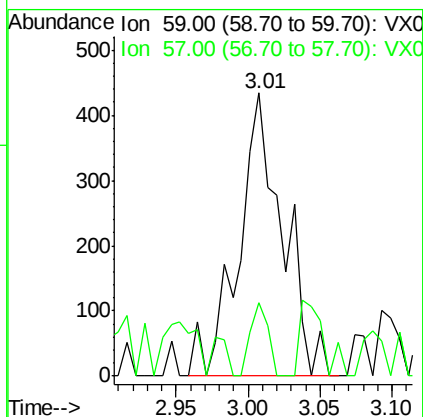
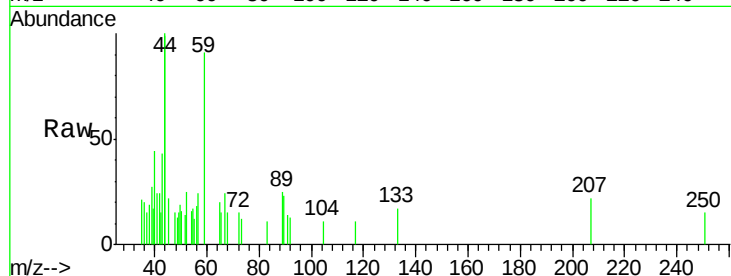


#11

Tert butyl alcohol
 Concen: 1.635 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX016975.D
 Acq: 26 Jun 2020 12:05

Instrument :
 MSVOA_X
 ClientSampleID :
 EB_061820

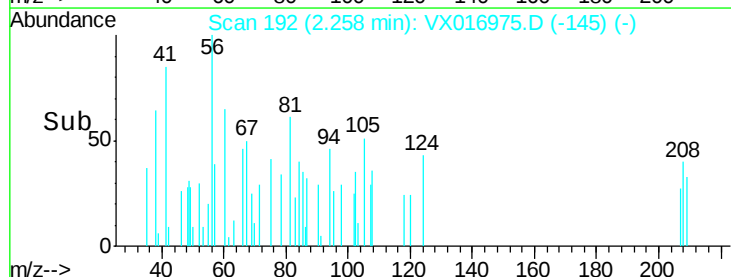
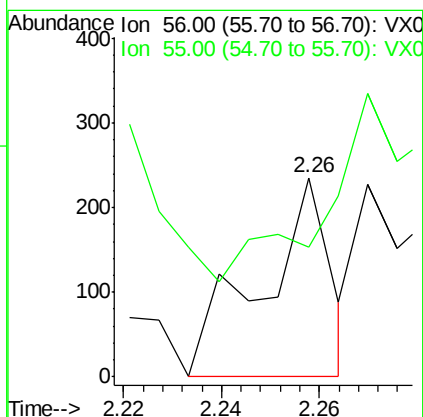
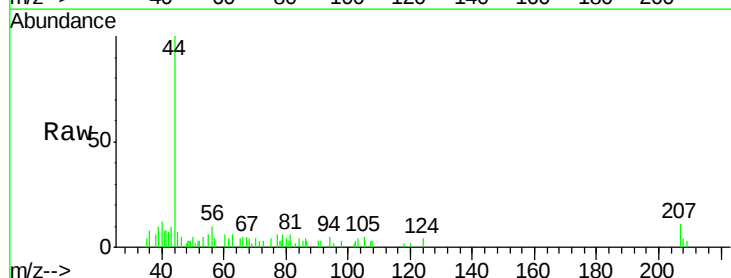
Tot Ion: 59 Resp: 923
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.5 12.7

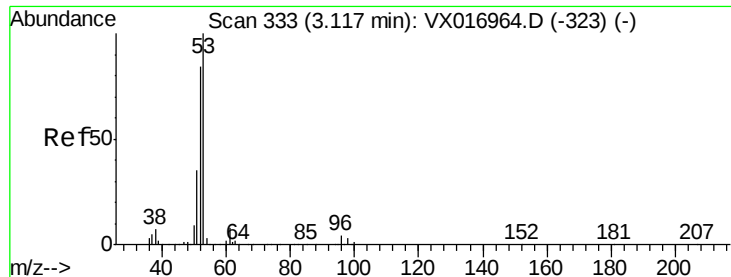


#13

Acrolein
 Concen: 0.550 ug/l
 RT: 2.26 min Scan# 192
 Delta R.T. -0.01 min
 Lab File: VX016975.D
 Acq: 26 Jun 2020 12:05

Tgt Ion: 56 Resp: 230
 Ion Ratio Lower Upper
 56 100
 55 178.3 57.5 86.3#





#15

Acrylonitrile

Concen: 0.402 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016975.D

Acq: 26 Jun 2020 12:05

Instrument :

MSVOA_X

ClientSampled :

EB_061820

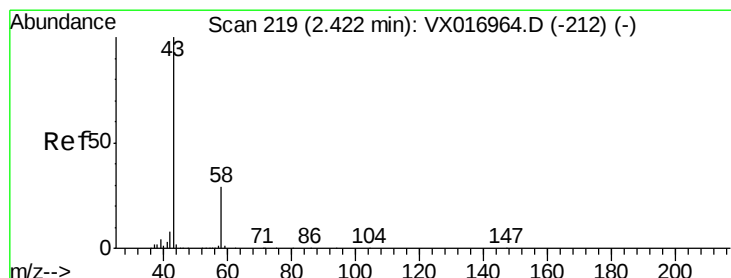
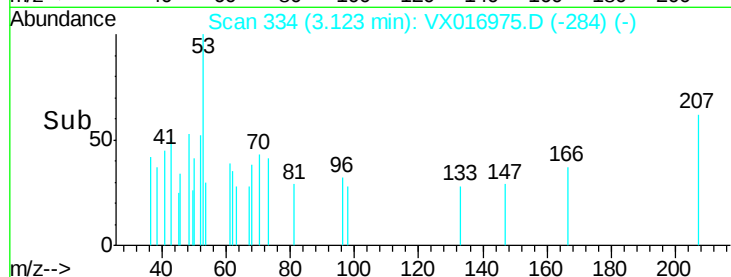
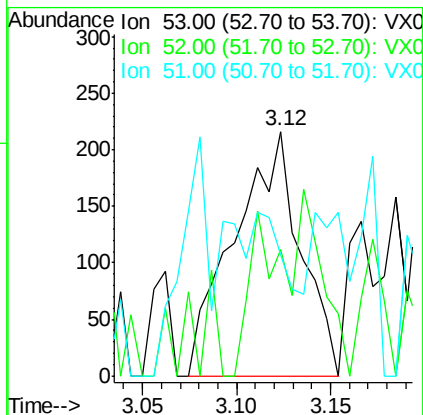
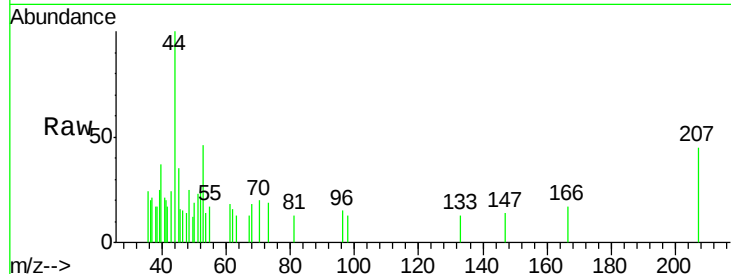
Tot Ion: 53 Resp: 527

Ion Ratio Lower Upper

53 100

52 28.5 66.3 99.5#

51 15.9 29.0 43.6#



#16

Acetone

Concen: 13.315 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016975.D

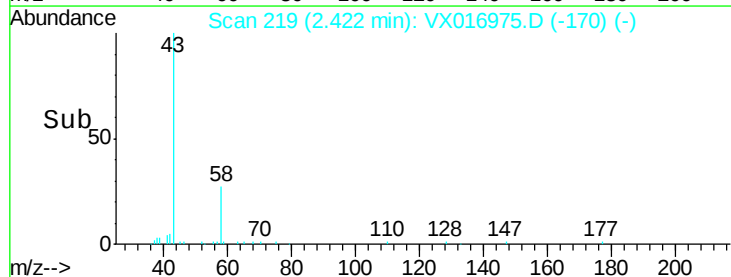
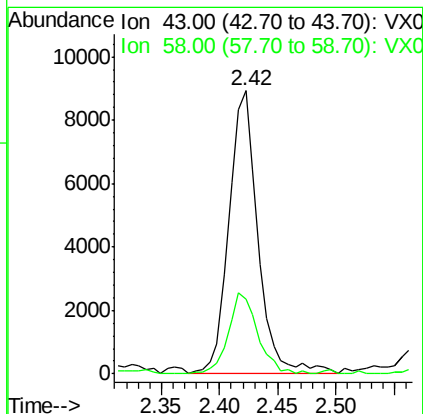
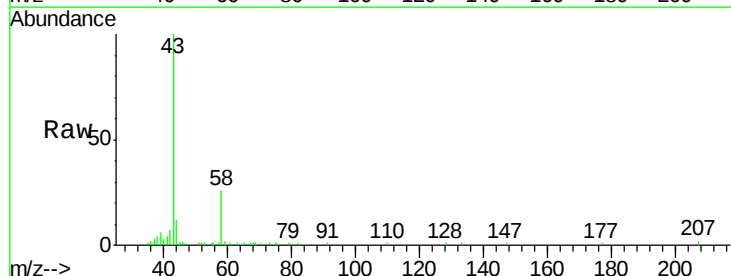
Acq: 26 Jun 2020 12:05

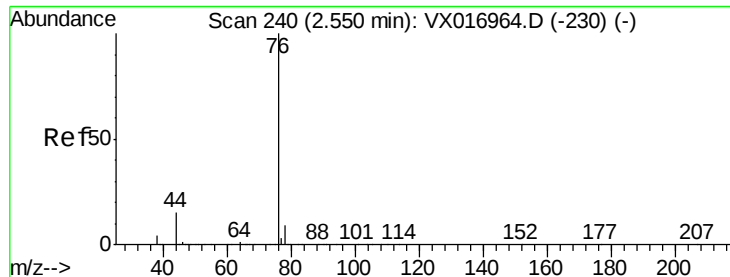
Tgt Ion: 43 Resp: 15566

Ion Ratio Lower Upper

43 100

58 26.3 23.5 35.3

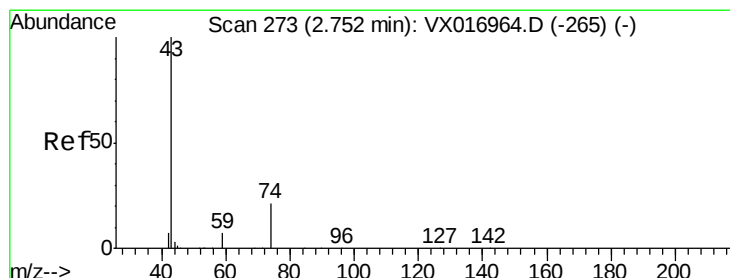
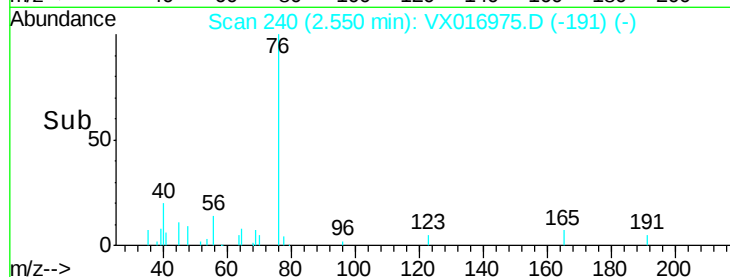
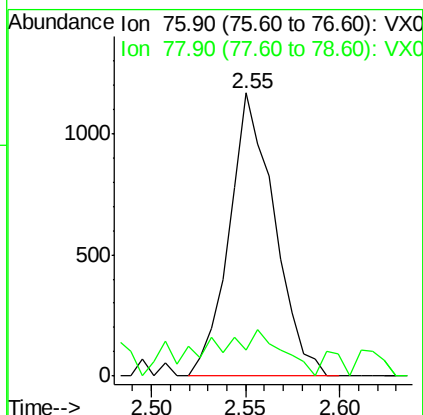
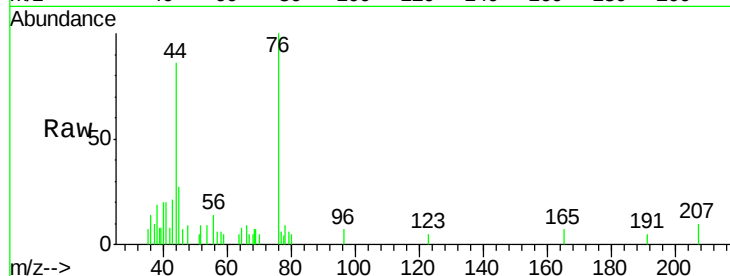




#17
Carbon Disulfide
Concen: 0.278 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX016975.D
Acq: 26 Jun 2020 12:05

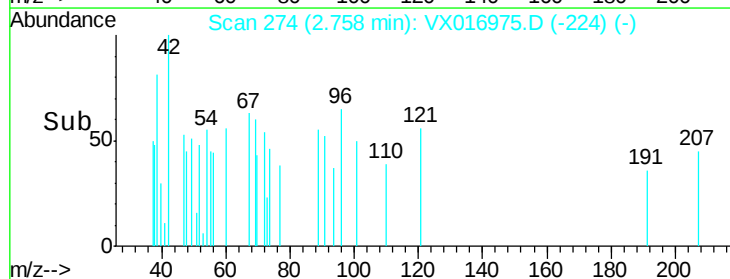
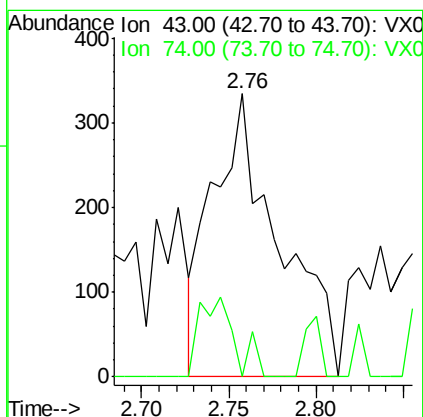
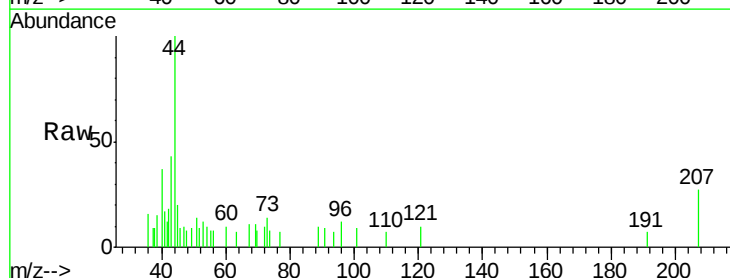
Instrument :
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EB_061820

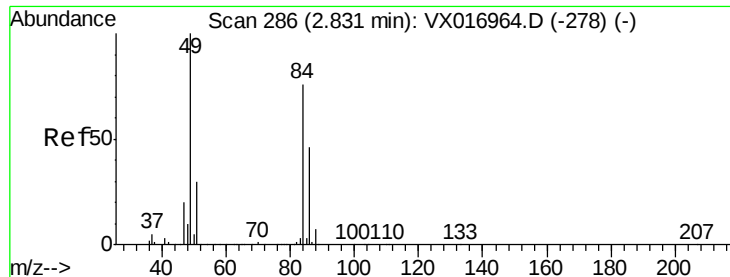
Tot Ion: 76 Resp: 1938
Ion Ratio Lower Upper
76 100
78 1.2 7.0 10.4#



#18
Methyl Acetate
Concen: 0.310 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX016975.D
Acq: 26 Jun 2020 12:05

Tgt Ion: 43 Resp: 883
Ion Ratio Lower Upper
43 100
74 15.1 18.3 27.5#

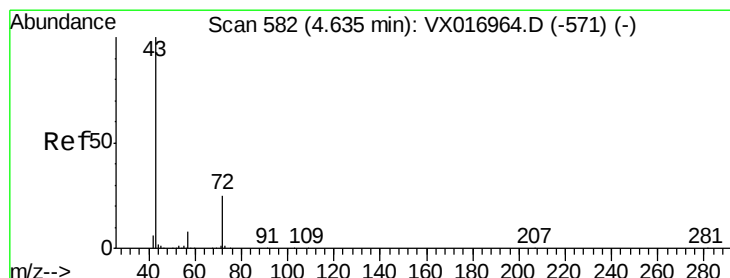
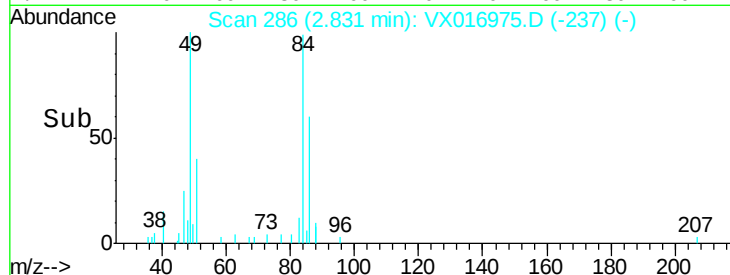
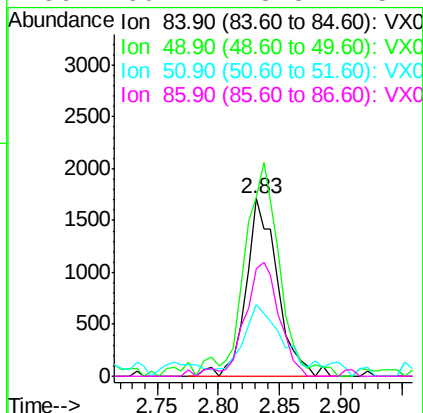
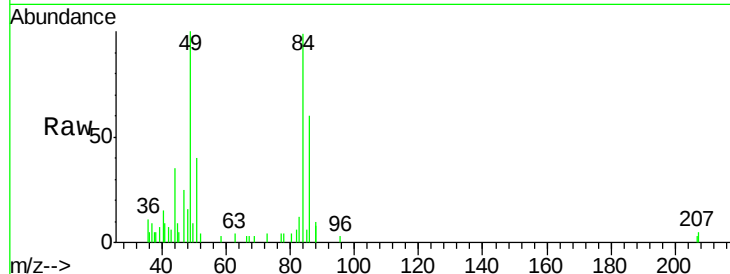




#20
Methvlene Chloride
Concen: 1.148 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX016975.D
Acq: 26 Jun 2020 12:05

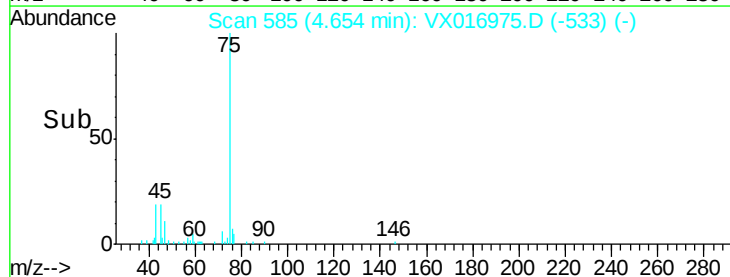
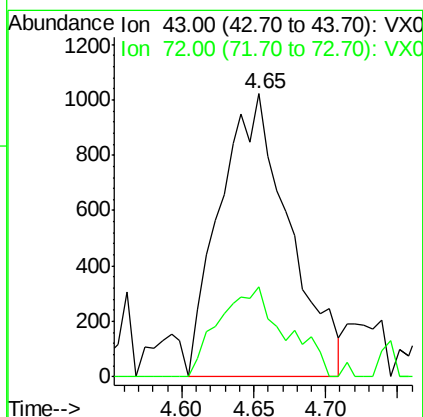
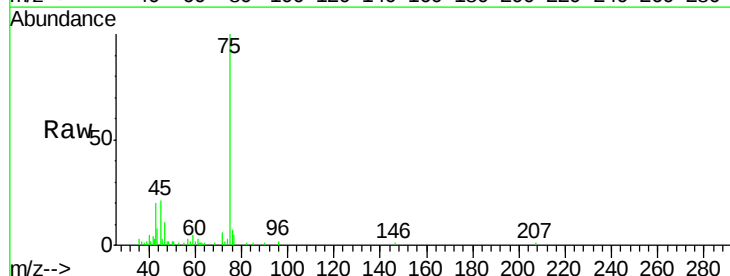
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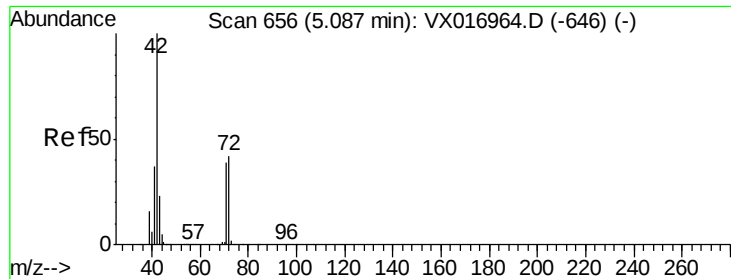
Tot Ion: 84 Resp: 3050
Ion Ratio Lower Upper
84 100
49 101.2 105.6 158.4#
51 33.6 31.2 46.8
86 60.7 48.8 73.2



#25
2-Butanone
Concen: 1.916 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX016975.D
Acq: 26 Jun 2020 12:05

Tgt Ion: 43 Resp: 3413
Ion Ratio Lower Upper
43 100
72 31.6 20.0 30.0#

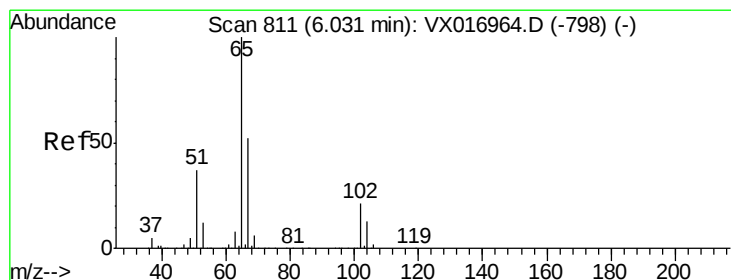
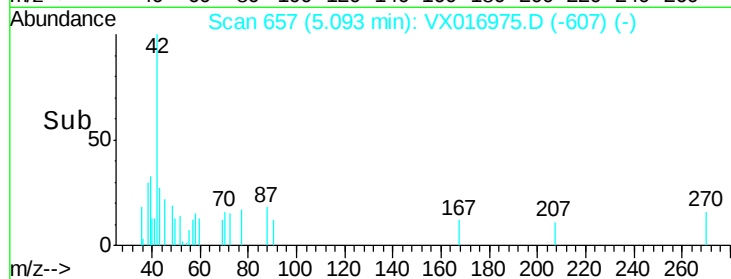
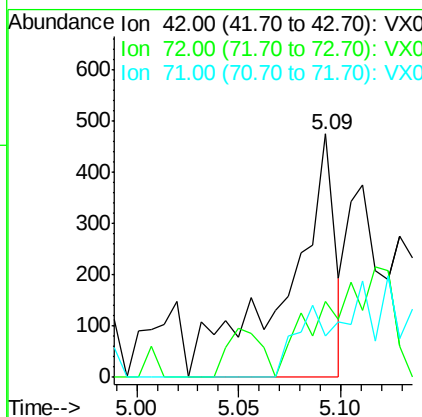
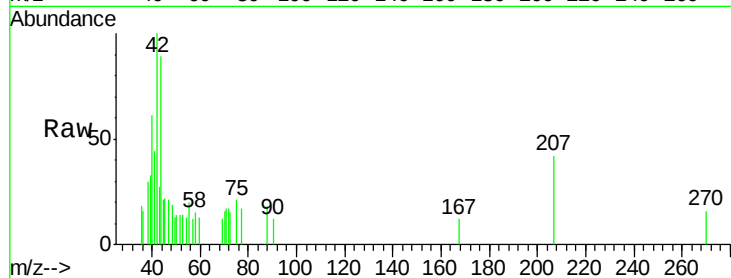




#29
Tetrahydrofuran
Concen: 0.651 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX016975.D
Acq: 26 Jun 2020 12:05

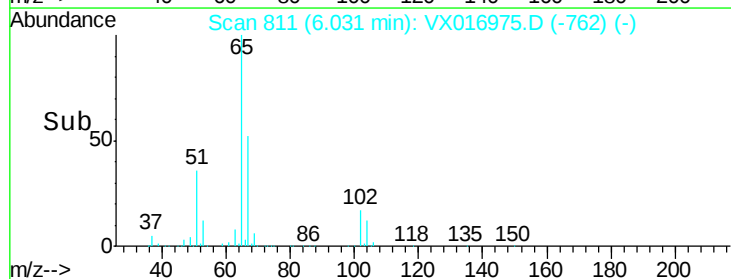
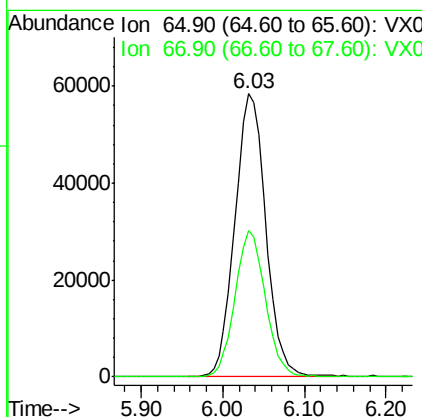
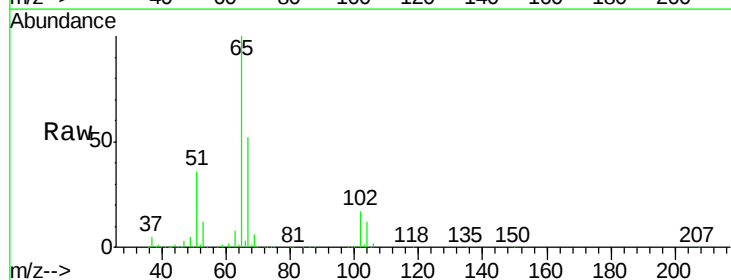
Instrument :
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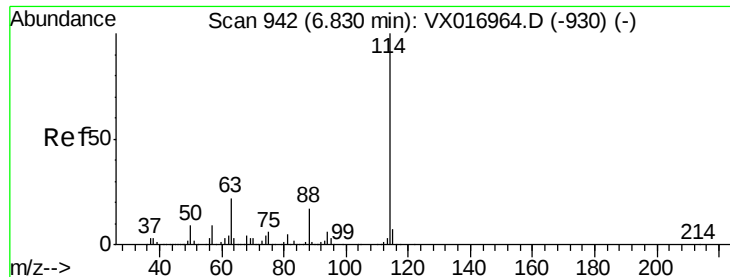
Tot Ion: 42 Resp: 762
Ion Ratio Lower Upper
42 100
72 0.0 34.1 51.1#
71 18.8 32.1 48.1#



#33
1,2-Dichloroethane-d4
Concen: 51.255 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016975.D
Acq: 26 Jun 2020 12:05

Tgt Ion: 65 Resp: 153284
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016975.D

Acq: 26 Jun 2020 12:05

Instrument :

MSVOA_X

ClientSampleId :

EB_061820

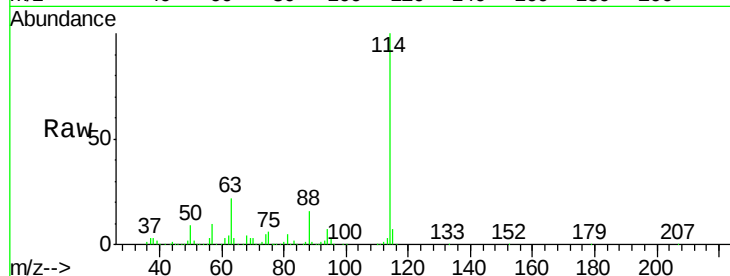
Tot Ion:114 Resp: 354252

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.4

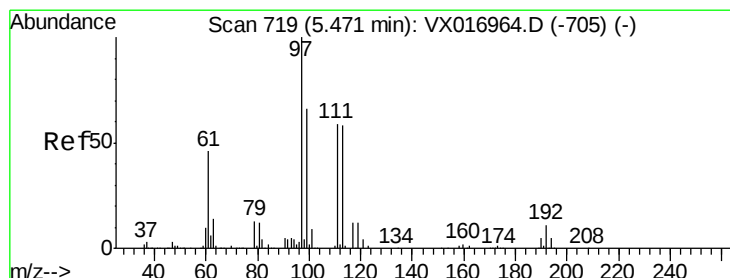
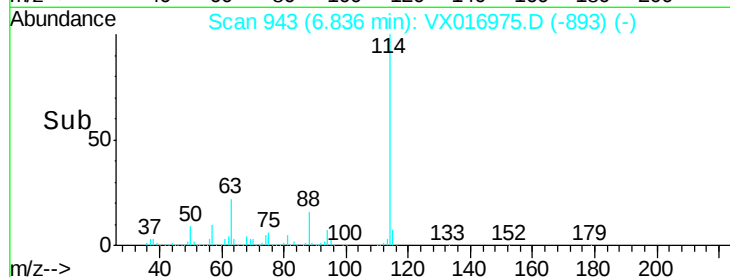
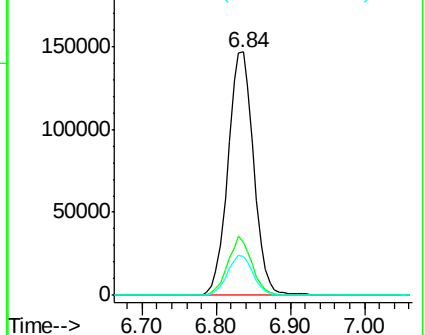
88 15.9 0.0 33.2



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: 48.899 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016975.D

Acq: 26 Jun 2020 12:05

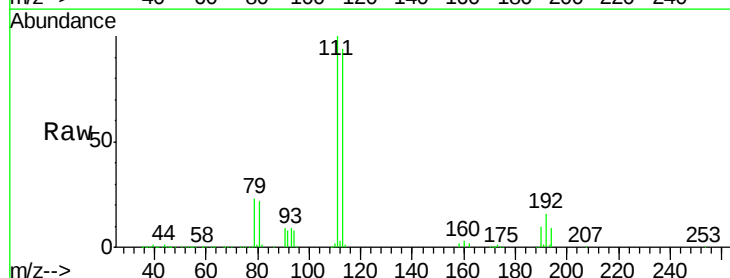
Tgt Ion:113 Resp: 114412

Ion Ratio Lower Upper

113 100

111 106.3 84.3 126.5

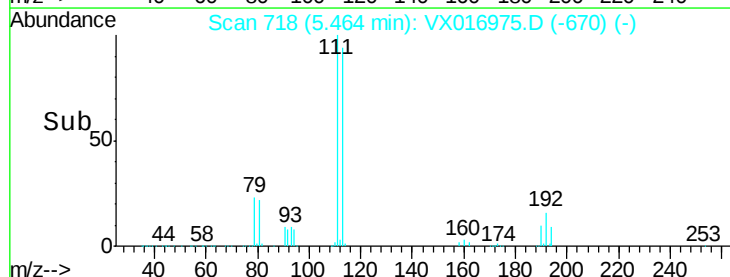
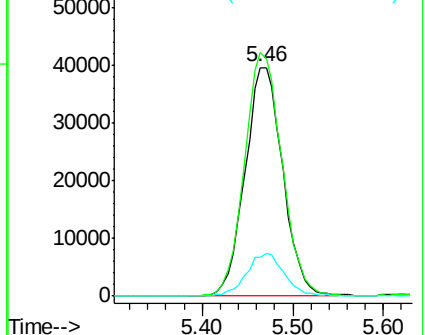
192 18.7 15.2 22.8

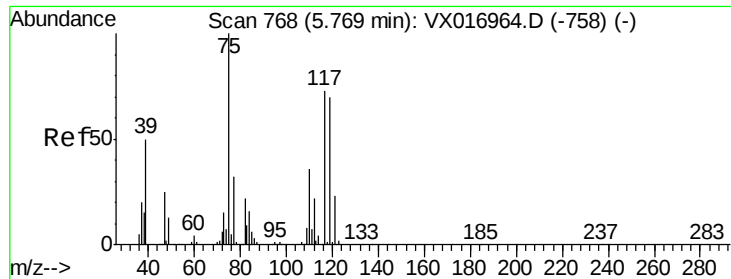


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.128 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016975.D

Acq: 26 Jun 2020 12:05

Instrument :

MSVOA_X

ClientSampleId :

EB_061820

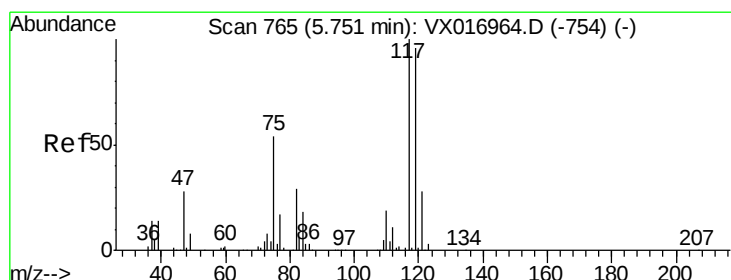
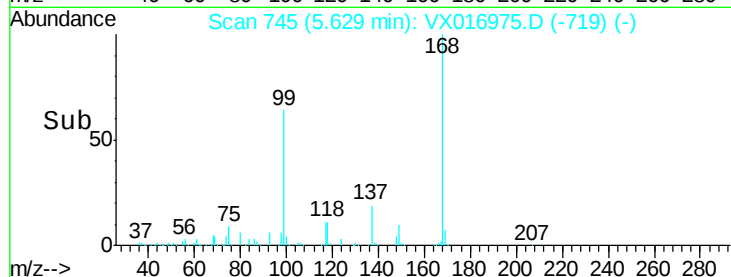
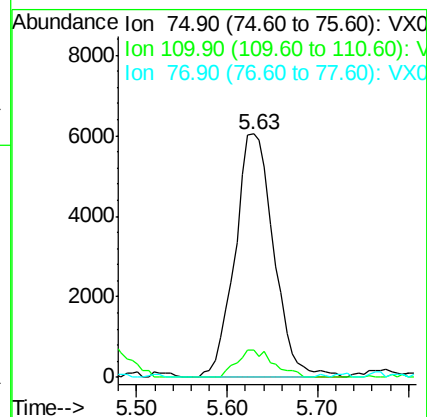
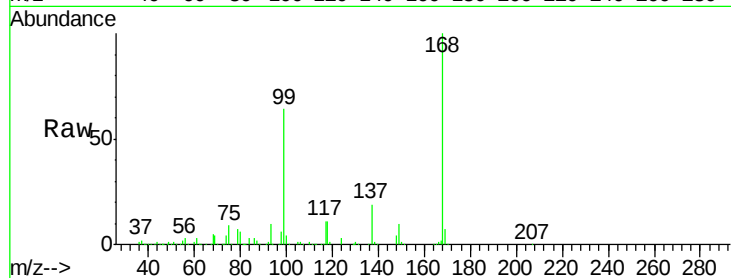
Tot Ion: 75 Resp: 17988

Ion Ratio Lower Upper

75 100

110 10.6 17.2 51.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.806 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX016975.D

Acq: 26 Jun 2020 12:05

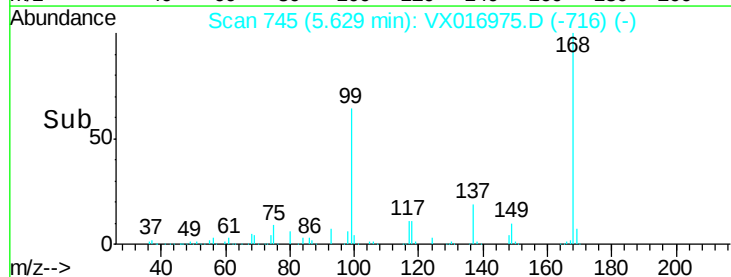
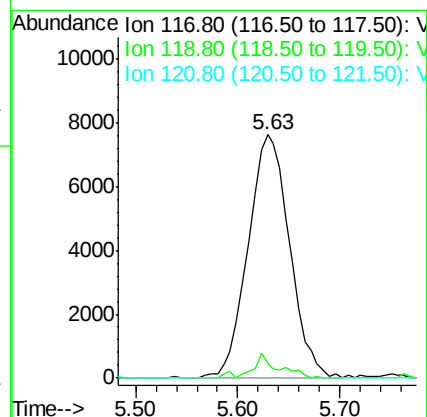
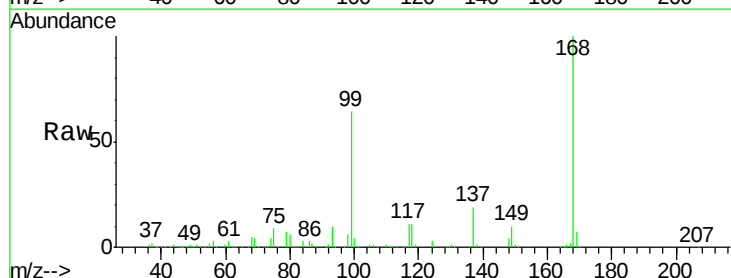
Tgt Ion:117 Resp: 21553

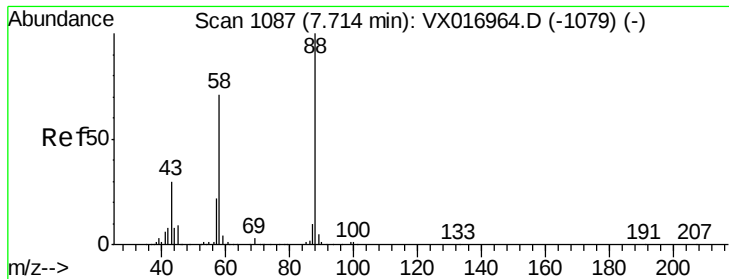
Ion Ratio Lower Upper

117 100

119 5.7 76.6 114.8#

121 0.0 22.5 33.7#

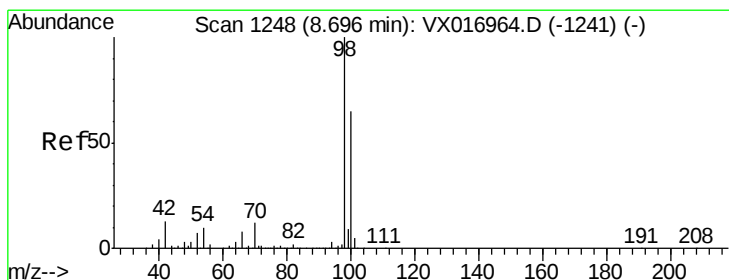
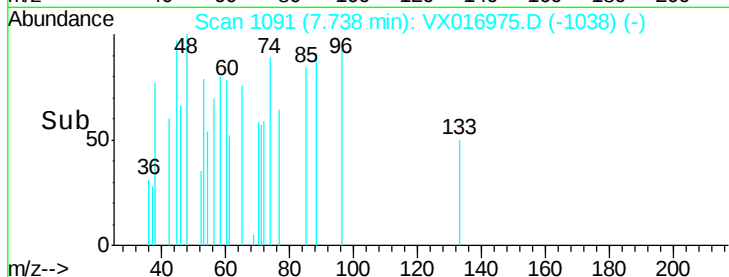
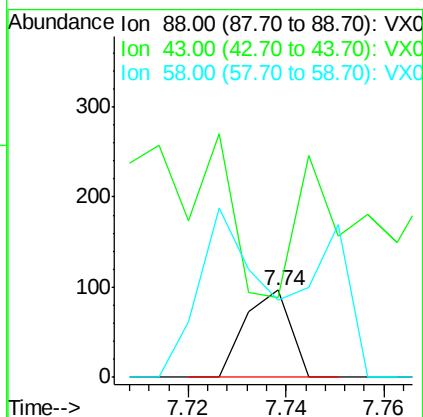
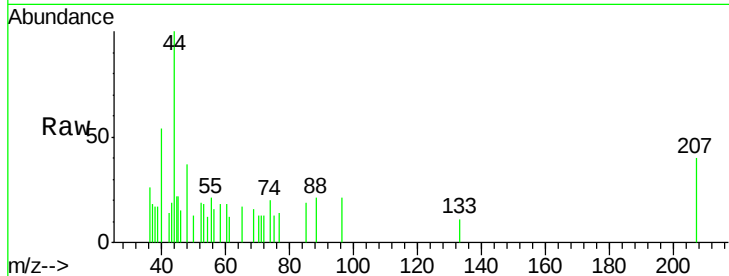




#49
1,4-Dioxane
Concen: 1.007 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VX016975.D
Acq: 26 Jun 2020 12:05

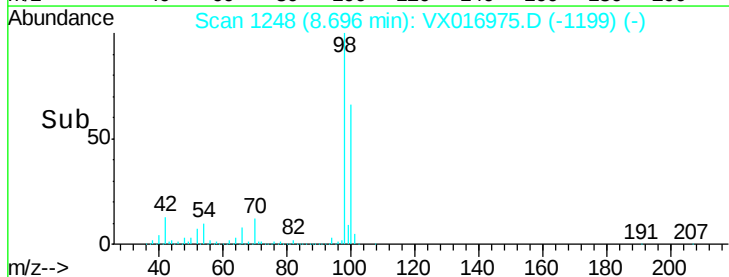
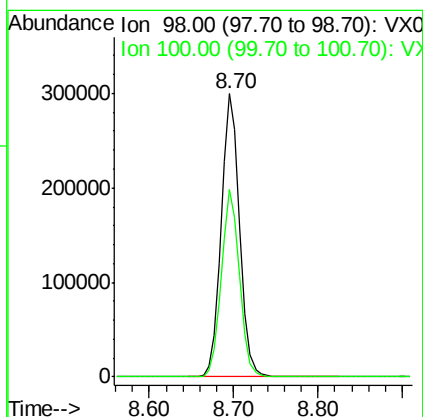
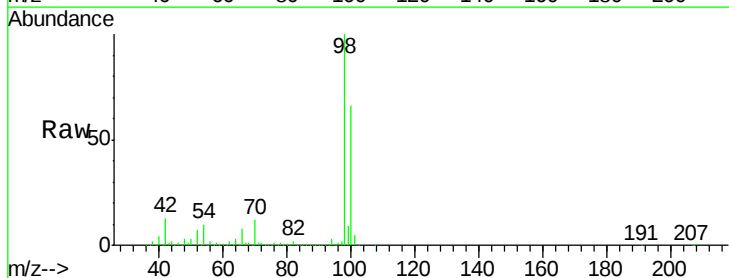
Instrument :
MSVOA_X
ClientSampled :
EB_061820

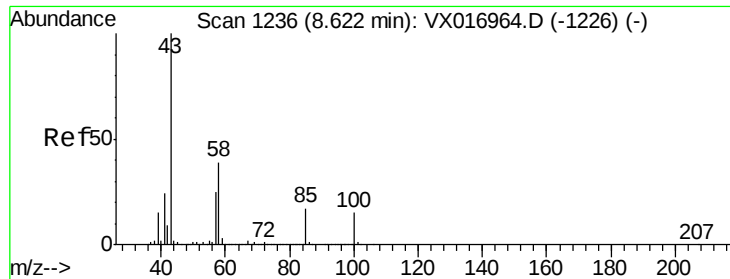
Tot Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 224.2 28.1 42.1#
58 0.0 56.1 84.1#



#50
Toluene-d8
Concen: 52.542 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016975.D
Acq: 26 Jun 2020 12:05

Tgt Ion: 98 Resp: 450628
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2

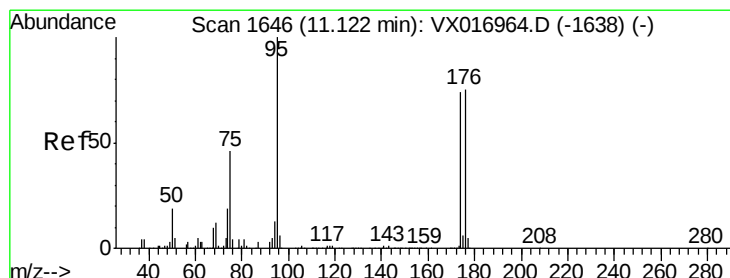
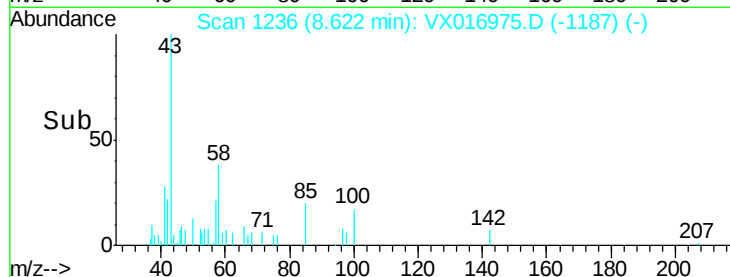
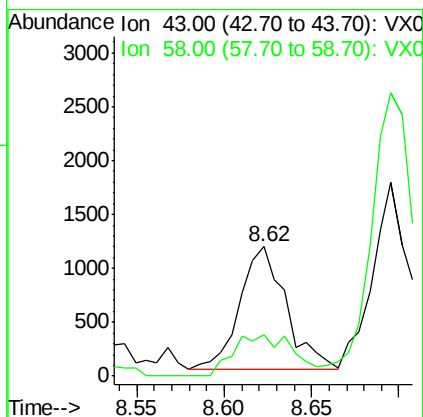
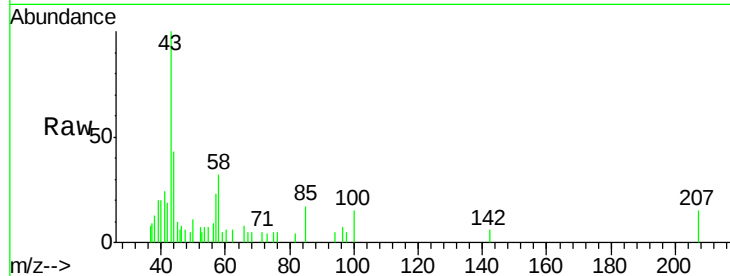




#51
4-Methyl-2-Pentanone
Concen: 0.579 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016975.D
Acq: 26 Jun 2020 12:05

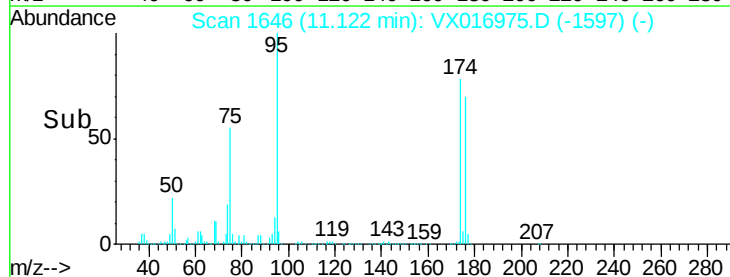
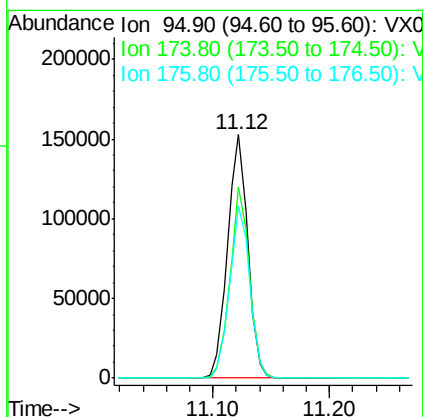
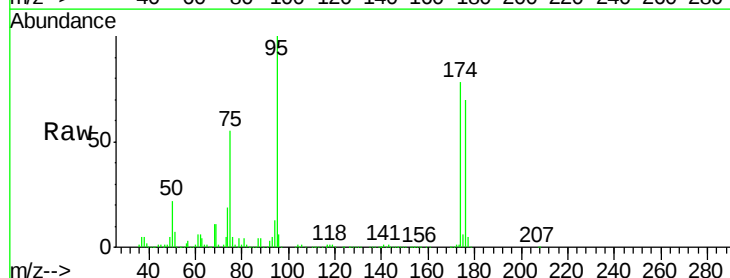
Instrument :
MSVOA_X
ClientSampleId :
EB_061820

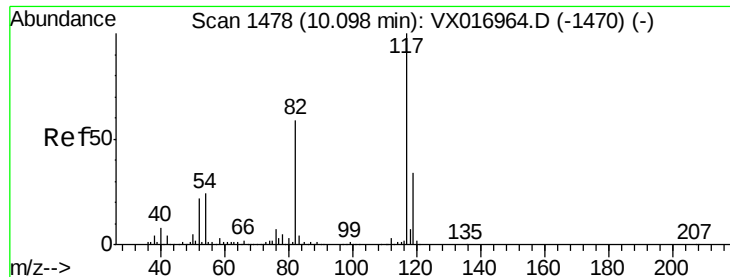
Tot Ion: 43 Resp: 2100
Ion Ratio Lower Upper
43 100
58 43.4 30.4 45.6



#62
4-Bromofluorobenzene
Concen: 55.531 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016975.D
Acq: 26 Jun 2020 12:05

Tgt Ion: 95 Resp: 184169
Ion Ratio Lower Upper
95 100
174 75.9 0.0 149.6
176 70.9 0.0 148.2

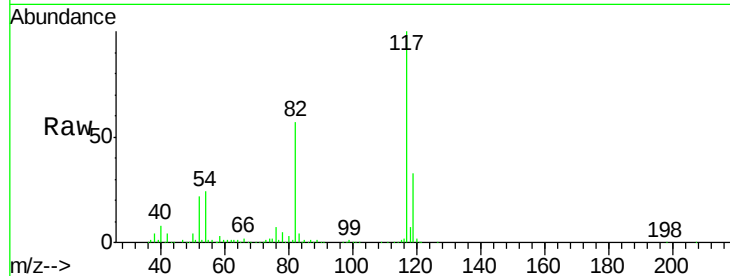




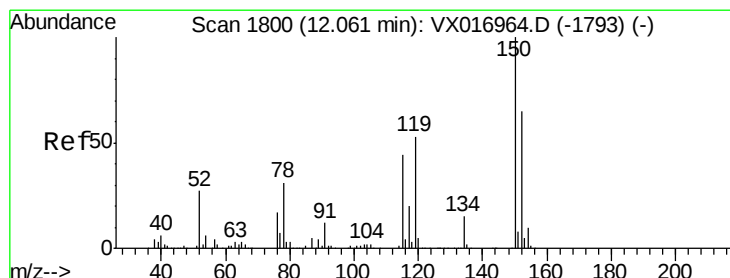
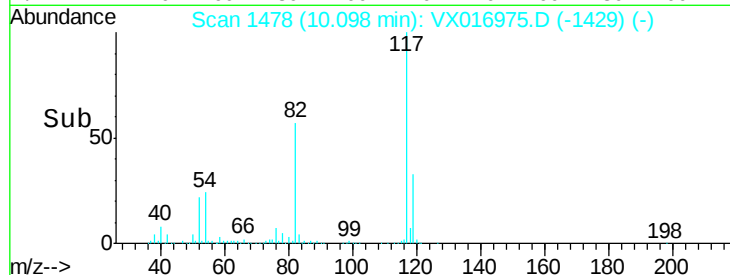
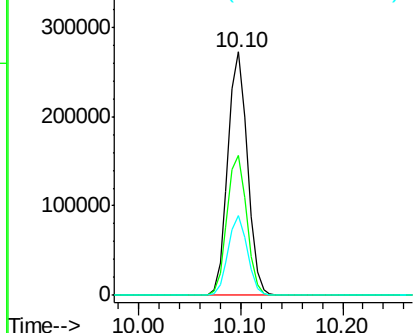
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016975.D
Acq: 26 Jun 2020 12:05

Instrument :
MSVOA_X
ClientSampleId :
EB_061820

Tot Ion:117 Resp: 361200
Ion Ratio Lower Upper
117 100
82 57.4 46.8 70.2
119 32.8 27.3 40.9

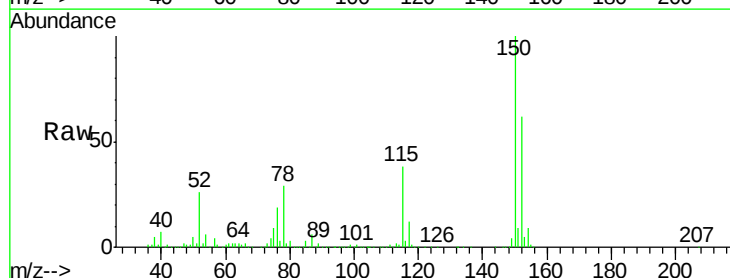


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

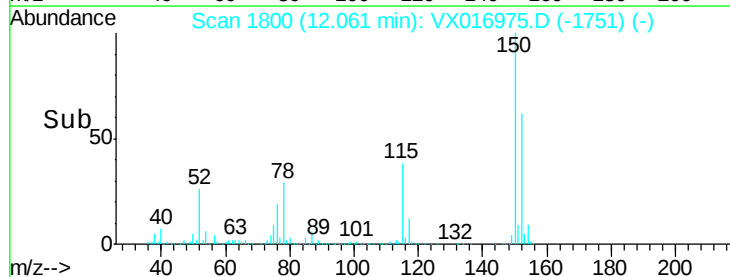
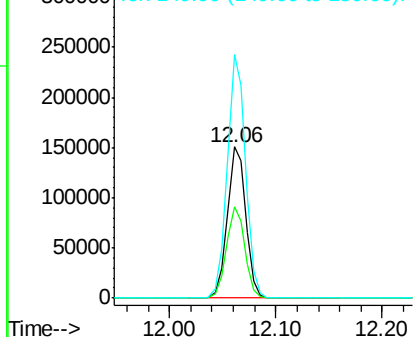


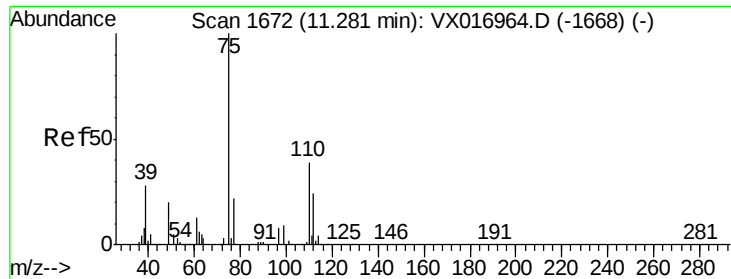
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016975.D
Acq: 26 Jun 2020 12:05

Tgt Ion:152 Resp: 182758
Ion Ratio Lower Upper
152 100
115 60.3 42.8 128.4
150 159.8 0.0 347.8



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: 26.412 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016975.D

Acq: 26 Jun 2020 12:05

Instrument :

MSVOA_X

ClientSampleId :

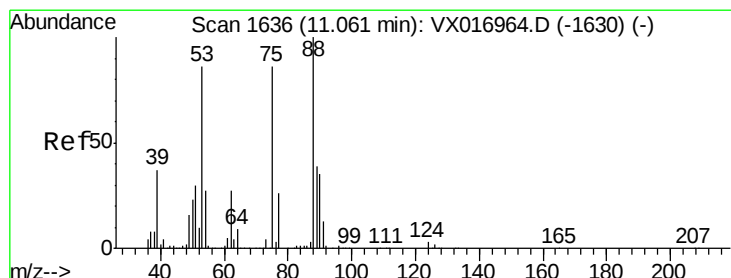
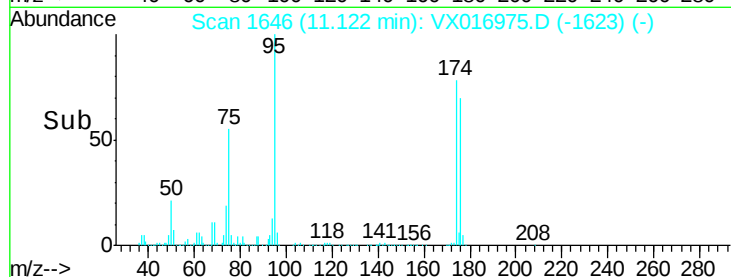
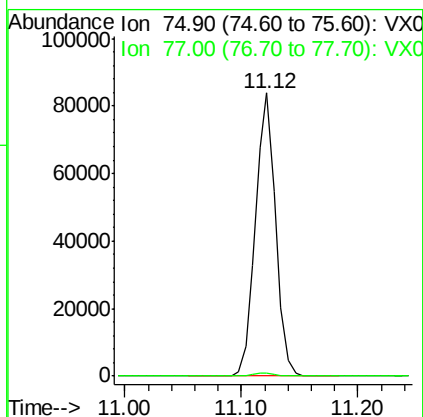
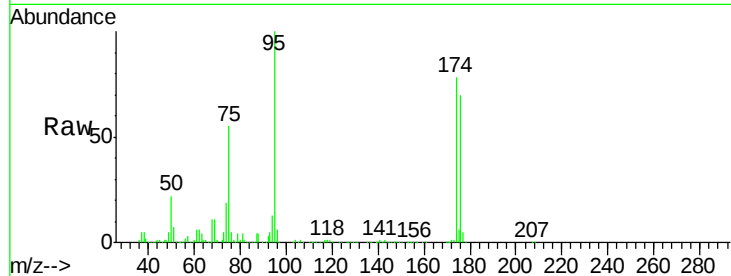
EB_061820

Tot Ion: 75 Resp: 101299

Ion Ratio Lower Upper

75 100

77 1.3 20.3 61.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.056 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016975.D

Acq: 26 Jun 2020 12:05

Tgt Ion: 75 Resp: 101299

Ion Ratio Lower Upper

75 100

53 0.4 81.9 122.9#

89 0.1 35.5 53.3#

