

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072420\
 Data File : VX017569.D
 Acq On : 25 Jul 2020 04:36
 Operator : JC/SP
 Sample : PB130430ZHE#05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130430ZHE#05

Quant Time: Jul 25 04:59:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	526738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	912223	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	937903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	491950	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	361148	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
35) Dibromofluoromethane	5.47	113	291985	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
50) Toluene-d8	8.70	98	1110218	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	11.12	95	475322	53.96	ug/l	0.00
Spiked Amount			Recovery	=	107.92%	

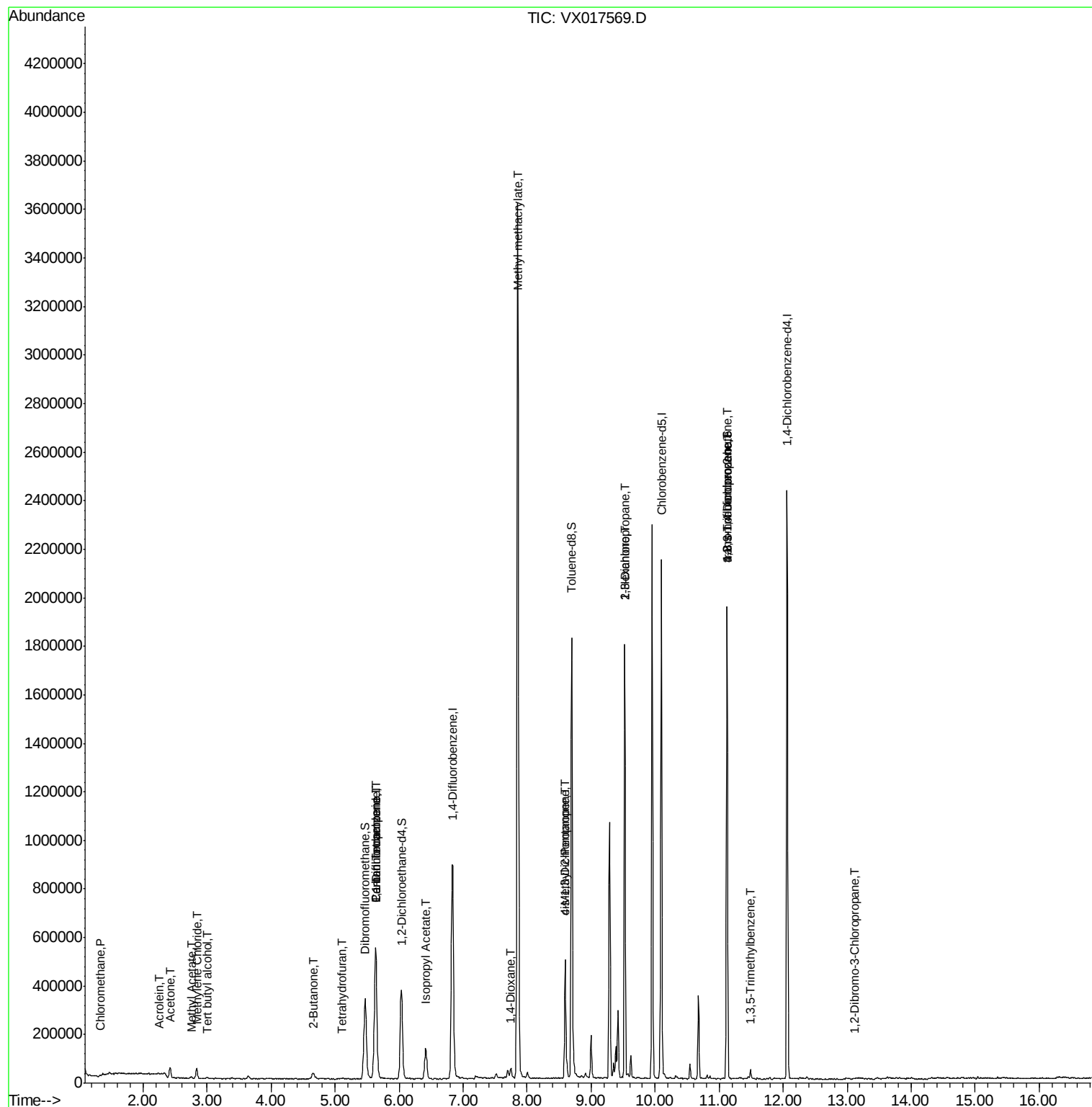
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	511	Below Cal	#	71
3) Chloromethane	1.32	50	966	0.514	ug/l #	83
5) Bromomethane	1.64	94	533	Below Cal	#	3
6) Chloroethane	1.71	64	273	Below Cal	#	44
8) Diethyl Ether	2.17	74	854	Below Cal		56
11) Tert butyl alcohol	3.01	59	3865	2.710	ug/l #	93
13) Acrolein	2.26	56	170	4.302	ug/l #	1
16) Acetone	2.42	43	45508	15.281	ug/l	92
18) Methyl Acetate	2.75	43	8358	1.192	ug/l #	86
20) Methylene Chloride	2.83	84	20185	2.376	ug/l	93
25) 2-Butanone	4.65	43	11591	2.740	ug/l	96
29) Tetrahydrofuran	5.10	42	3132	1.195	ug/l #	80
36) 1,1-Dichloropropene	5.63	75	39559	4.522	ug/l #	52
38) Carbon Tetrachloride	5.63	117	52005	4.895	ug/l #	18
43) Isopropyl Acetate	6.41	43	176293	11.162	ug/l	99
48) Methyl methacrylate	7.85	41	311194	39.748	ug/l #	44
49) 1,4-Dioxane	7.74	88	173	1.153	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	187568	19.903	ug/l #	49
54) cis-1,3-Dichloropropene	8.59	75	79097	7.006	ug/l #	59
57) 1,3-Dichloropropane	9.52	76	14553	1.319	ug/l #	49
59) 2-Hexanone	9.52	43	205344	28.941	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	242021	23.916	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	16028	0.556	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	242021	60.263	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.12	75	71	2.599	ug/l	66

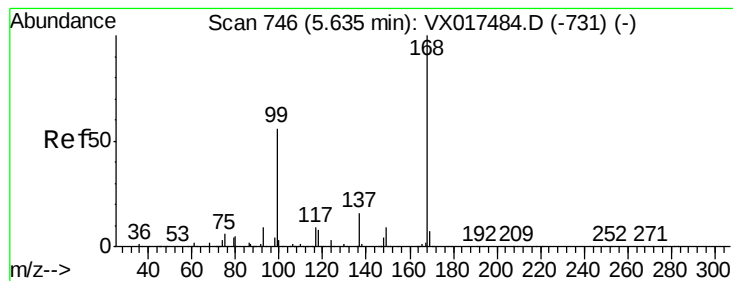
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072420\
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Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017569.D

Acq: 25 Jul 2020 04:36

Instrument :

MSVOA_X

ClientSampleId :

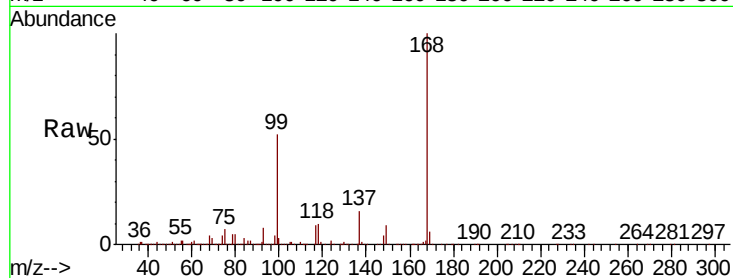
PB130430ZHE#05

Tot Ion:168 Resp: 526738

Ion Ratio Lower Upper

168 100

99 52.0 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

150000

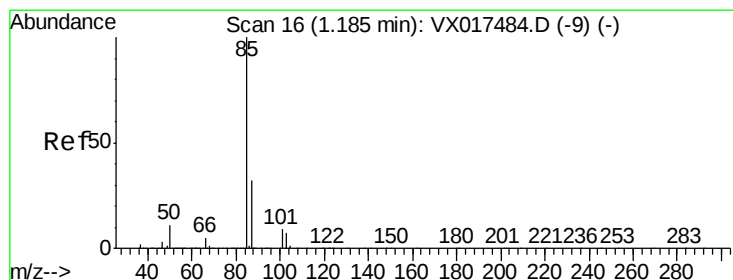
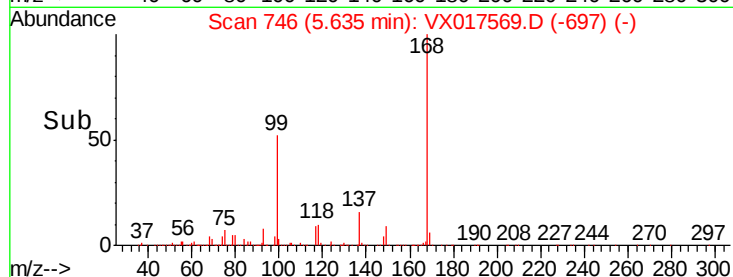
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017569.D

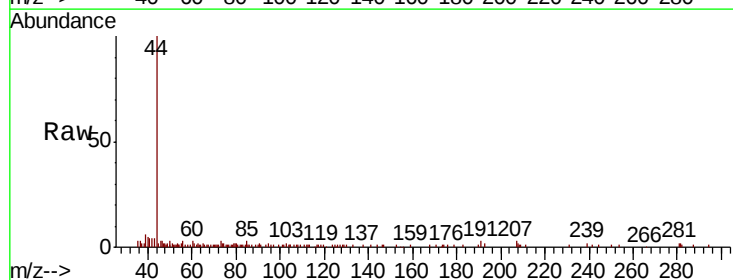
Acq: 25 Jul 2020 04:36

Tgt Ion: 85 Resp: 511

Ion Ratio Lower Upper

85 100

87 48.7 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

500

400

300

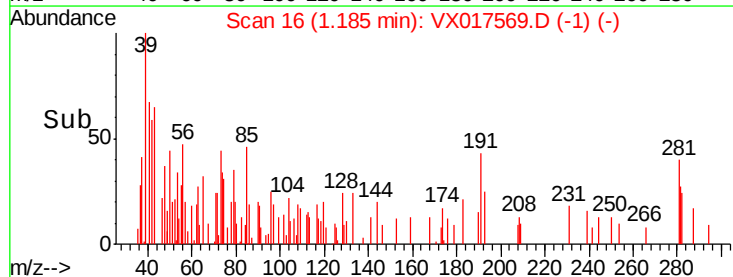
200

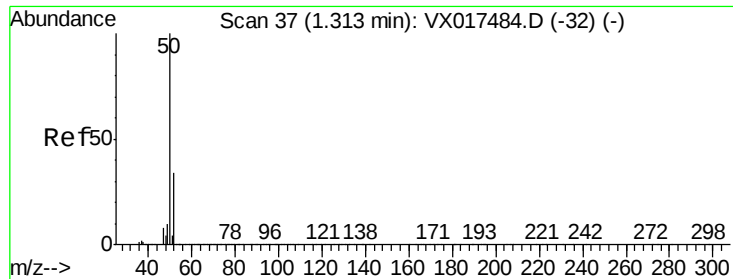
100

0

Time-->

1.16 1.18 1.20





#3

Chloromethane

Concen: 0.514 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017569.D

Acq: 25 Jul 2020 04:36

Instrument :

MSVOA_X

ClientSampleId :

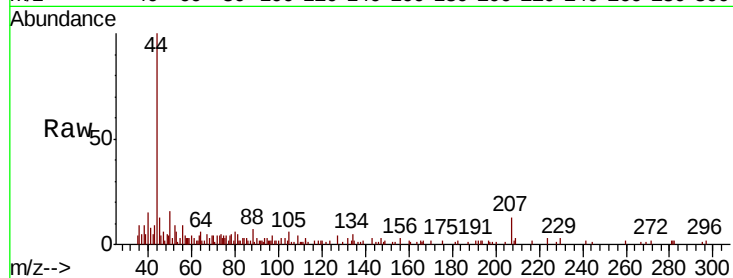
PB130430ZHE#05

Tot Ion: 50 Resp: 966

Ion Ratio Lower Upper

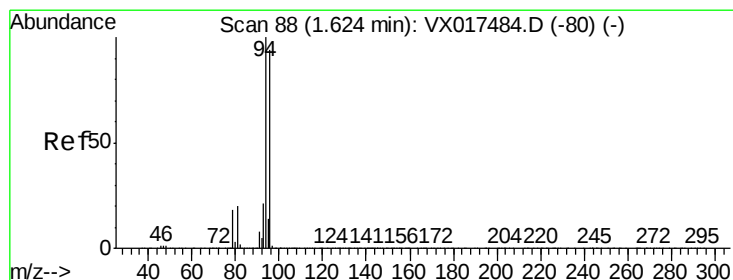
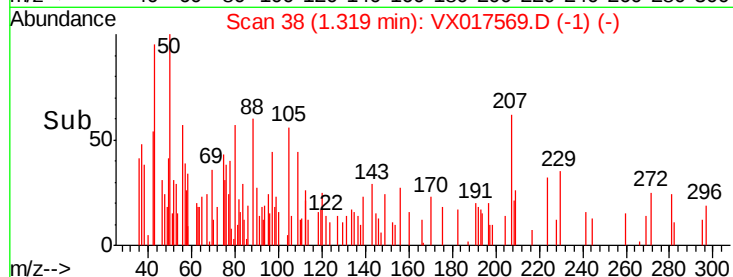
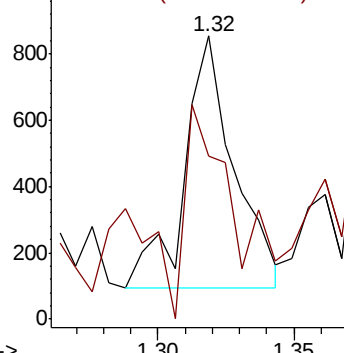
50 100

52 41.7 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017569.D

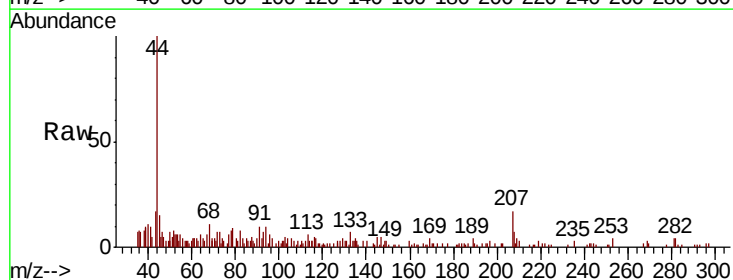
Acq: 25 Jul 2020 04:36

Tgt Ion: 94 Resp: 533

Ion Ratio Lower Upper

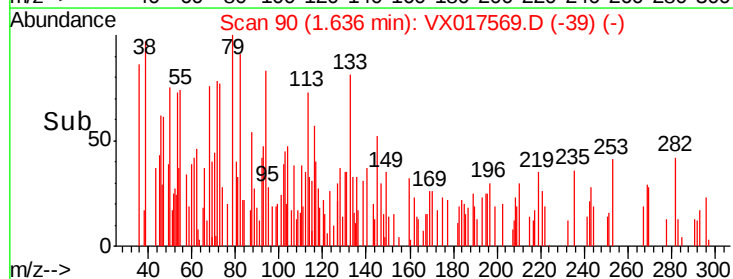
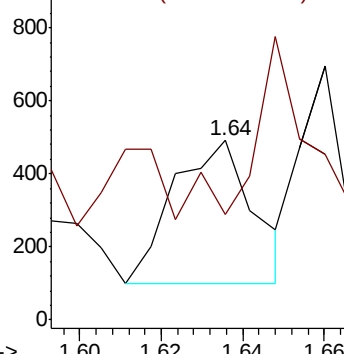
94 100

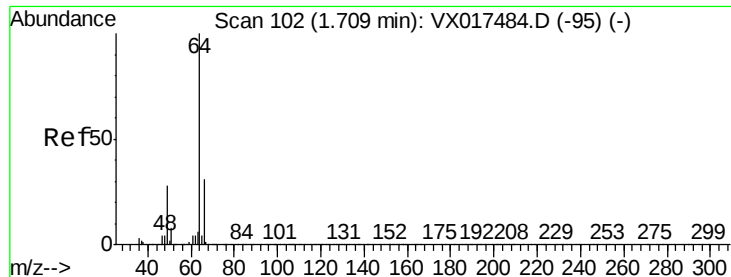
96 0.0 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017569.D

Acq: 25 Jul 2020 04:36

Instrument :

MSVOA_X

ClientSampleId :

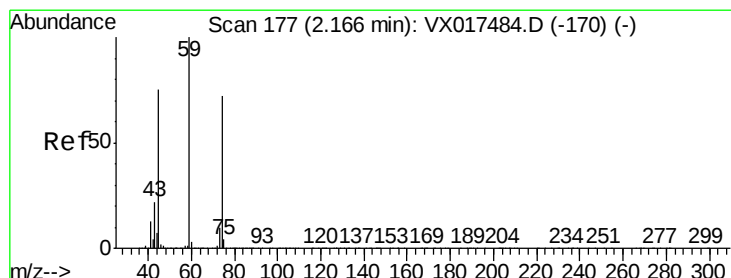
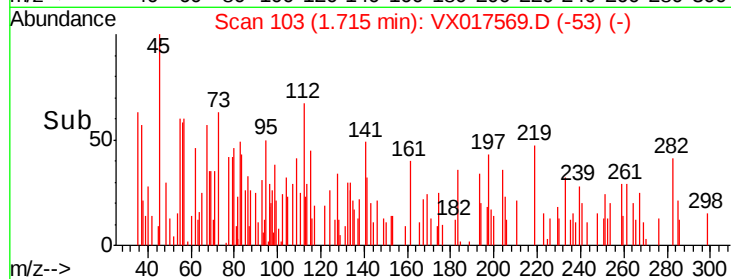
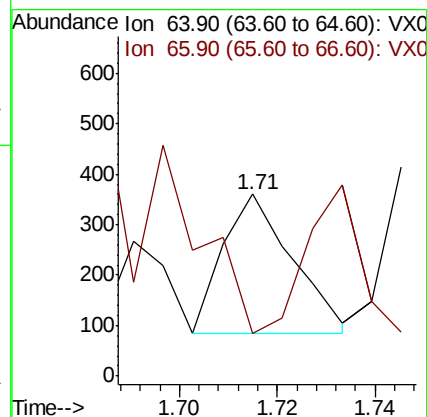
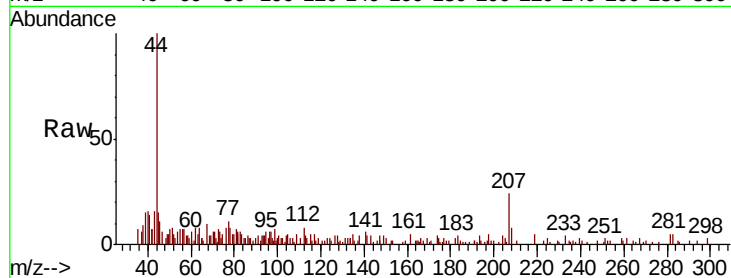
PB130430ZHE#05

Tot Ion: 64 Resp: 273

Ion Ratio Lower Upper

64 100

66 0.0 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017569.D

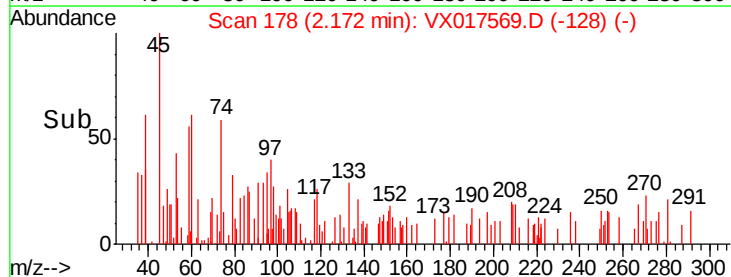
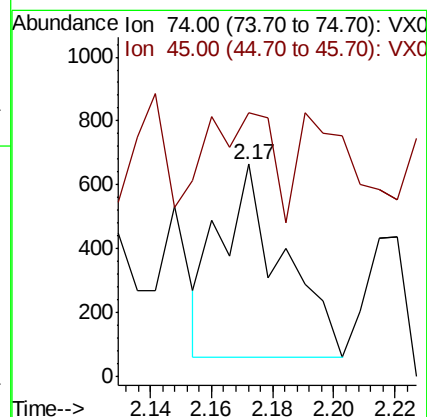
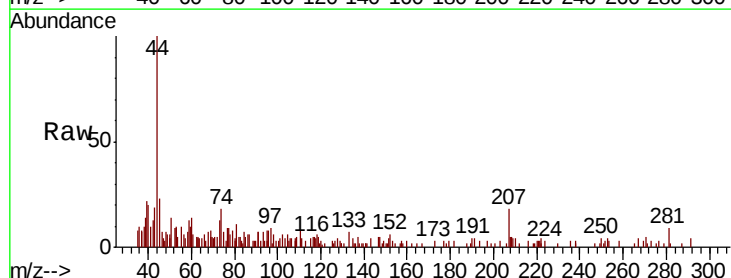
Acq: 25 Jul 2020 04:36

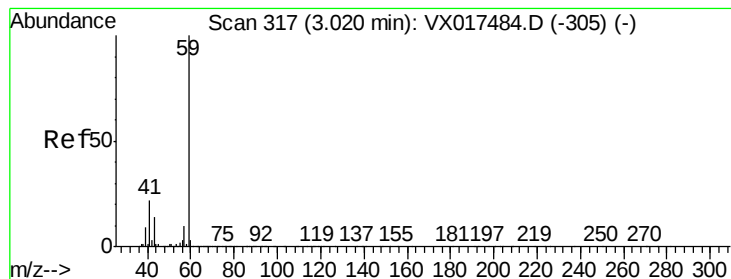
Tgt Ion: 74 Resp: 854

Ion Ratio Lower Upper

74 100

45 56.9 50.8 152.5



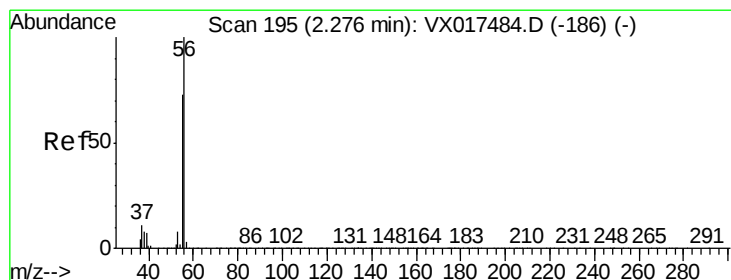
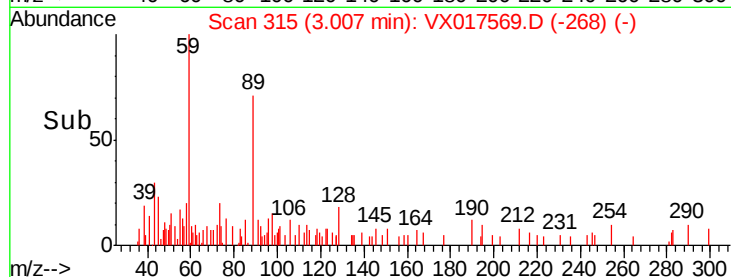
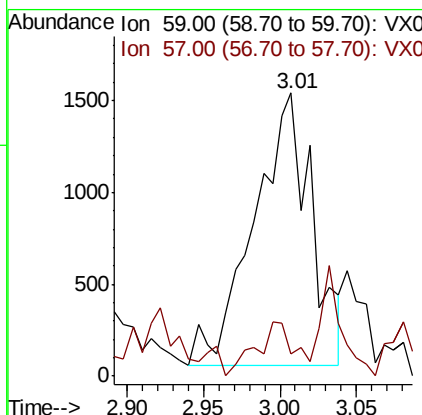
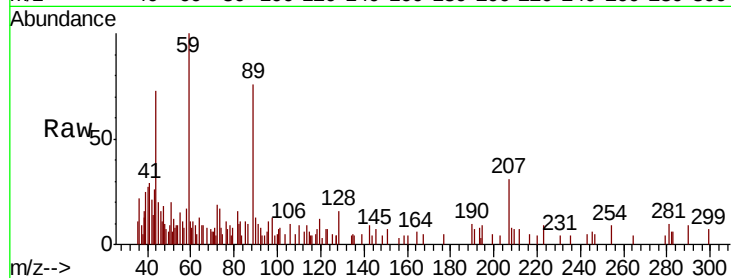


#11

Tert butyl alcohol
Concen: 2.710 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017569.D
Acq: 25 Jul 2020 04:36

Instrument :
MSVOA_X
ClientSampleId :
PB130430ZHE#05

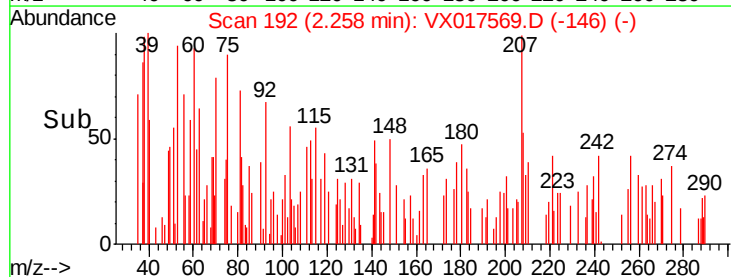
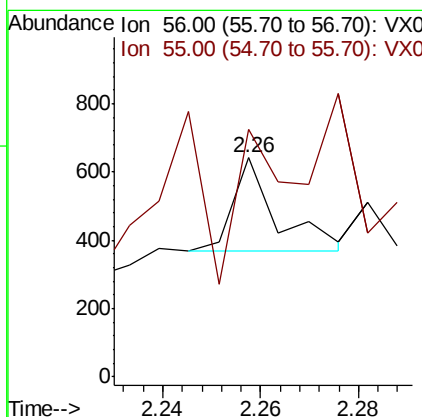
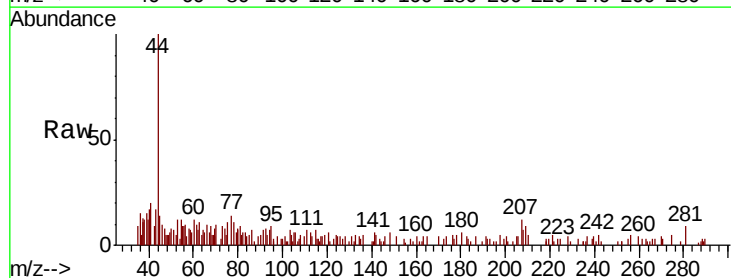
Tot Ion: 59 Resp: 3865
Ion Ratio Lower Upper
59 100
57 13.5 8.6 12.8#

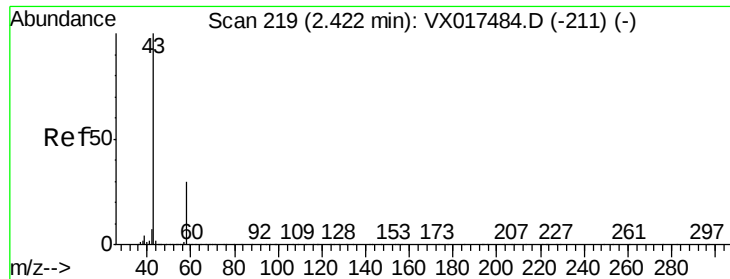


#13

Acrolein
Concen: 4.302 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.02 min
Lab File: VX017569.D
Acq: 25 Jul 2020 04:36

Tgt Ion: 56 Resp: 170
Ion Ratio Lower Upper
56 100
55 225.3 57.4 86.2#

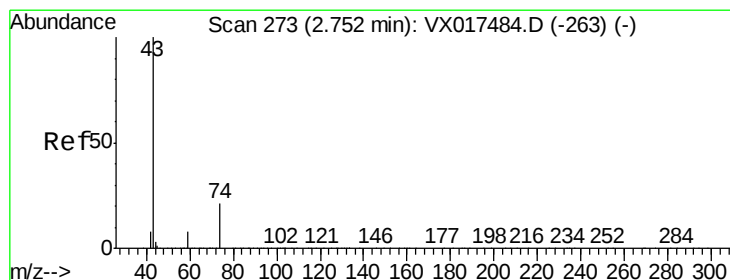
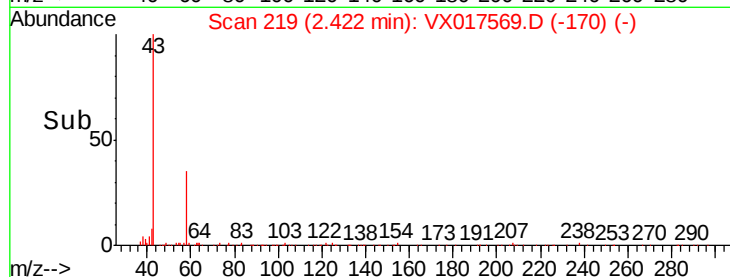
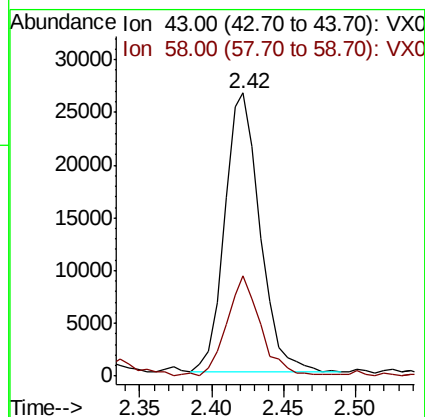
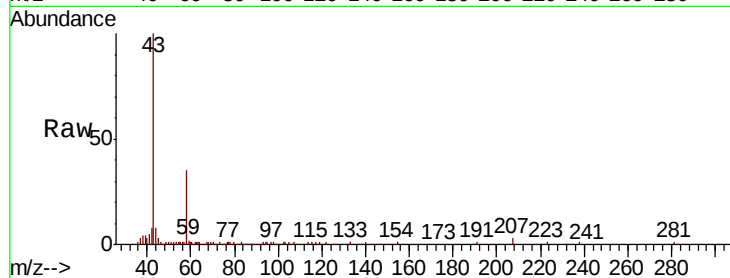




#16
Acetone
Concen: 15.281 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017569.D
Acq: 25 Jul 2020 04:36

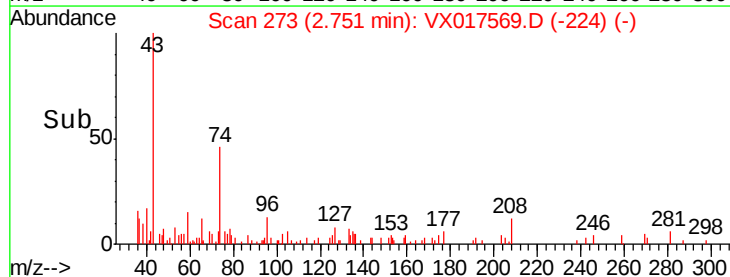
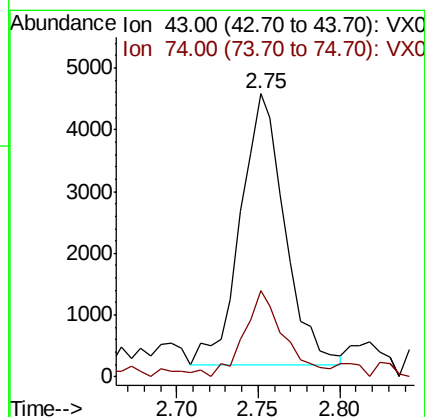
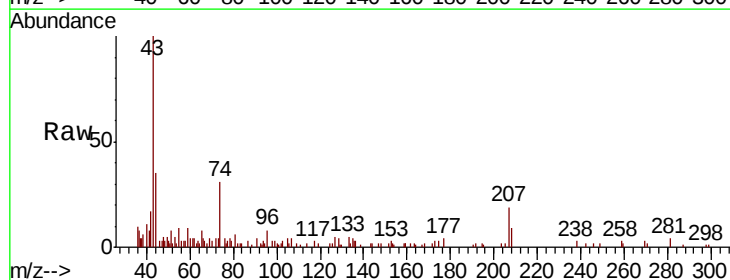
Instrument :
MSVOA_X
ClientSampleId :
PB130430ZHE#05

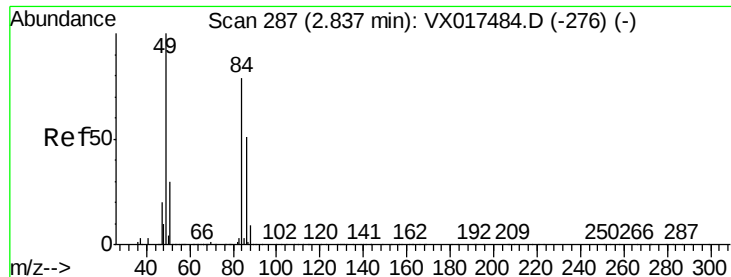
Tot Ion: 43 Resp: 45508
Ion Ratio Lower Upper
43 100
58 34.8 24.2 36.4



#18
Methyl Acetate
Concen: 1.192 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017569.D
Acq: 25 Jul 2020 04:36

Tgt Ion: 43 Resp: 8358
Ion Ratio Lower Upper
43 100
74 28.5 17.5 26.3#

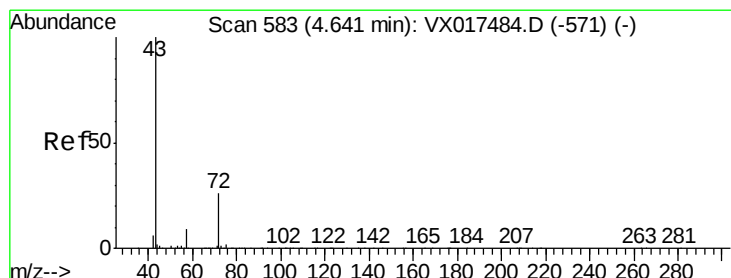
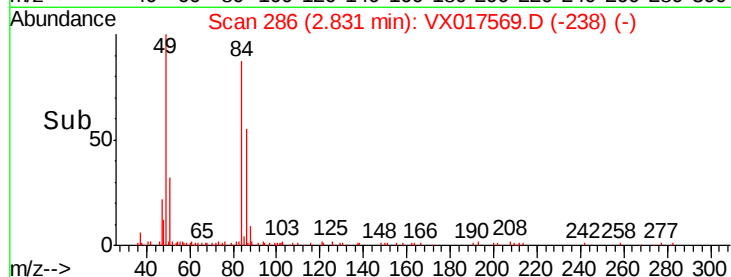
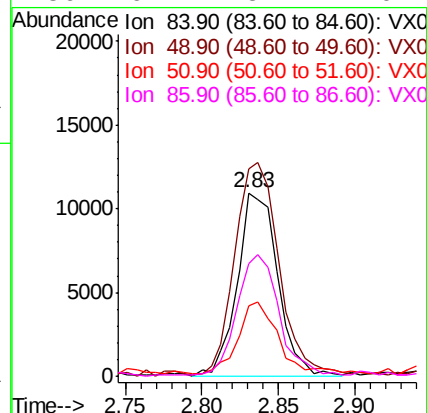
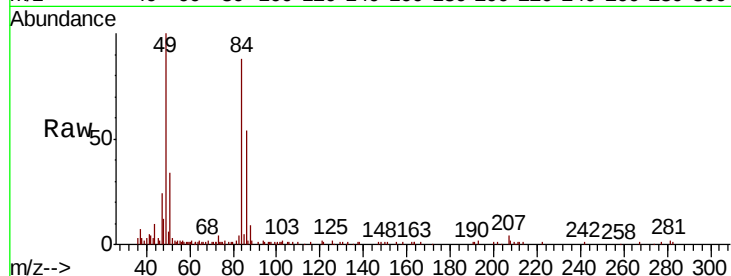




#20
Methvlene Chloride
Concen: 2.376 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017569.D
Acq: 25 Jul 2020 04:36

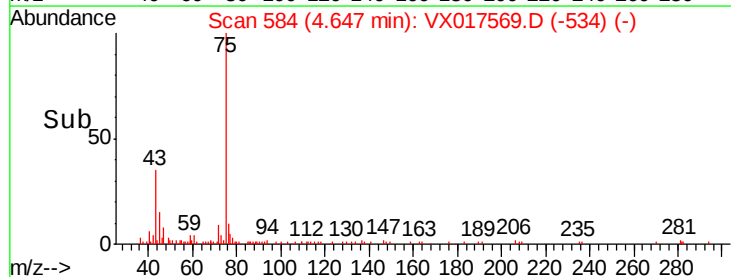
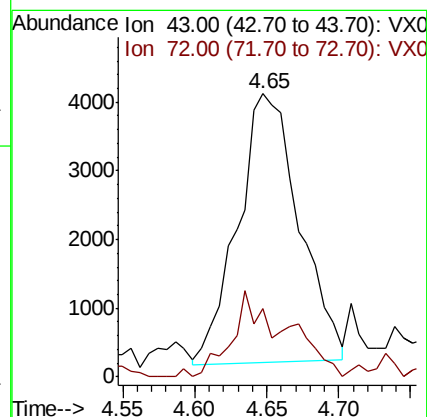
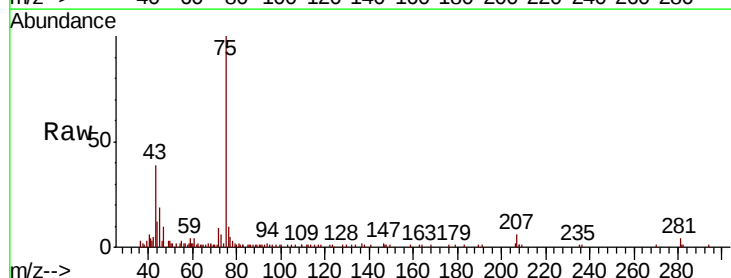
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MSVOA_X
ClientSampleId :
PB130430ZHE#05

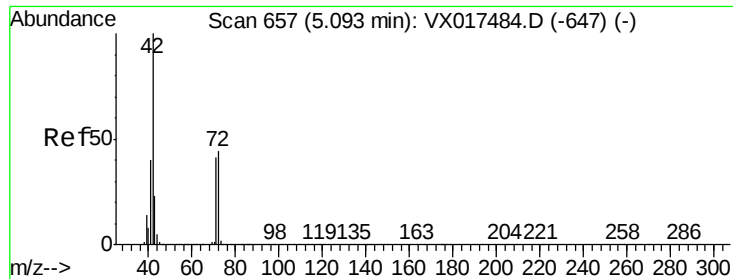
Tot Ion:	84	Resp:	20185
Ion	Ratio	Lower	Upper
84	100		
49	112.6	100.3	150.5
51	37.4	30.5	45.7
86	61.2	51.1	76.7



#25
2-Butanone
Concen: 2.740 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017569.D
Acq: 25 Jul 2020 04:36

Tgt Ion:	43	Resp:	11591
Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.0	28.4

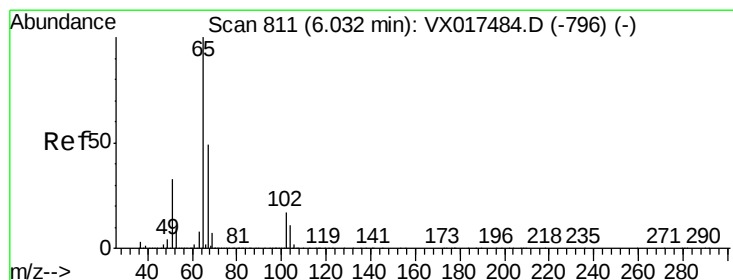
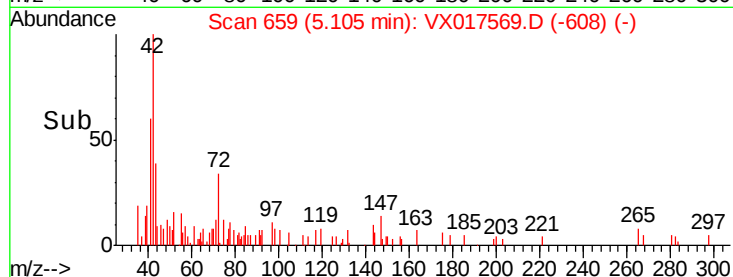
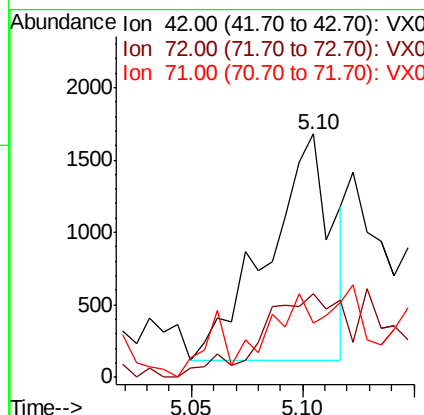
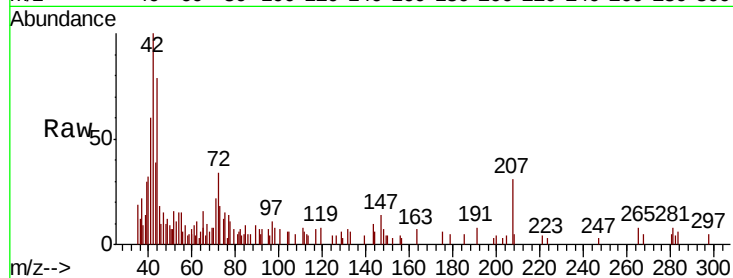




#29
Tetrahydrofuran
Concen: 1.195 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX017569.D
Acq: 25 Jul 2020 04:36

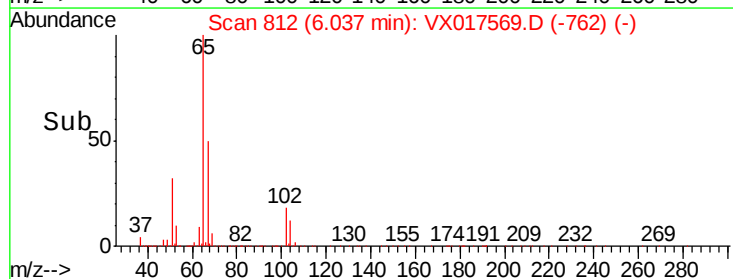
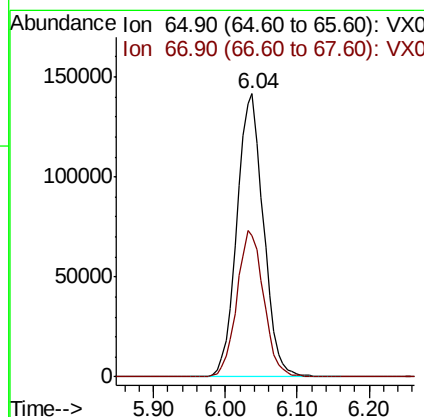
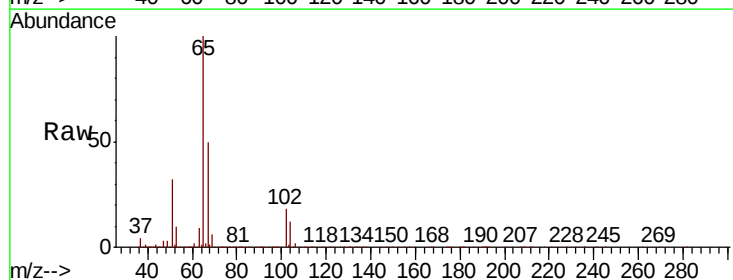
Instrument :
MSVOA_X
ClientSampleId :
PB130430ZHE#05

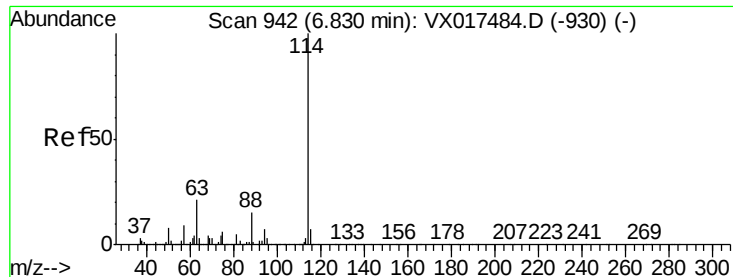
Tot Ion: 42 Resp: 3132
Ion Ratio Lower Upper
42 100
72 47.1 35.5 53.3
71 18.4 33.0 49.4#



#33
1,2-Dichloroethane-d4
Concen: 53.375 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX017569.D
Acq: 25 Jul 2020 04:36

Tgt Ion: 65 Resp: 361148
Ion Ratio Lower Upper
65 100
67 52.1 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: VX017569.D

Acq: 25 Jul 2020 04:36

Instrument :

MSVOA_X

ClientSampleId :

PB130430ZHE#05

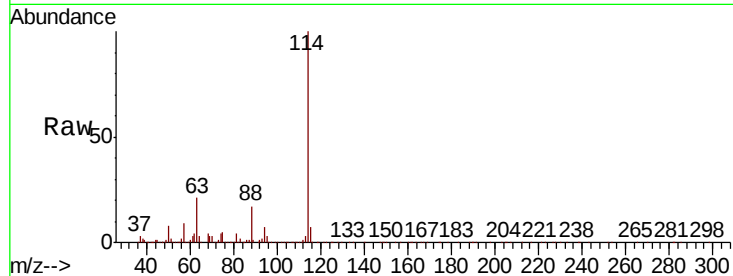
Tot Ion:114 Resp: 912223

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.6

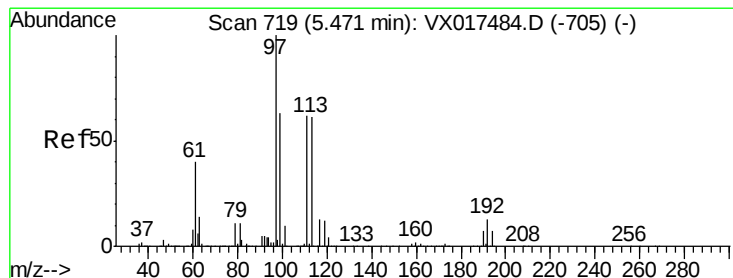
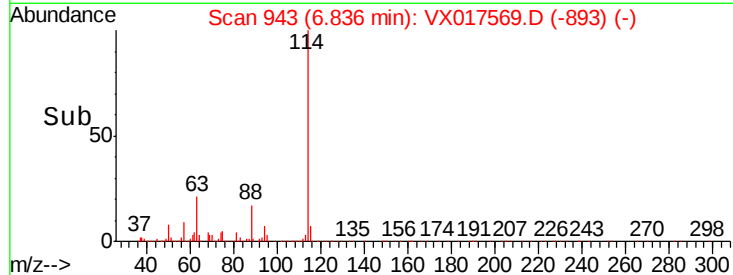
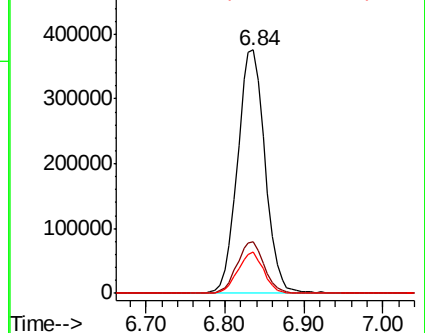
88 16.8 0.0 33.4



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: 47.859 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017569.D

Acq: 25 Jul 2020 04:36

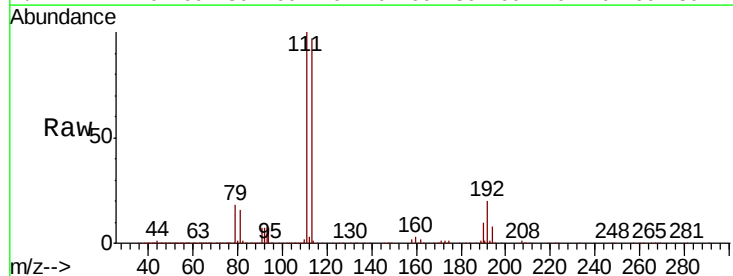
Tgt Ion:113 Resp: 291985

Ion Ratio Lower Upper

113 100

111 101.4 80.7 121.1

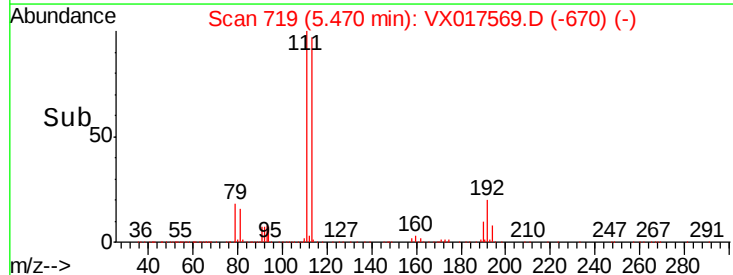
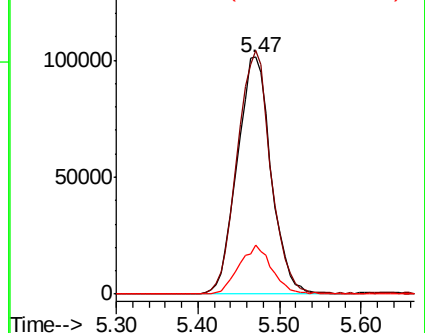
192 20.2 16.9 25.3

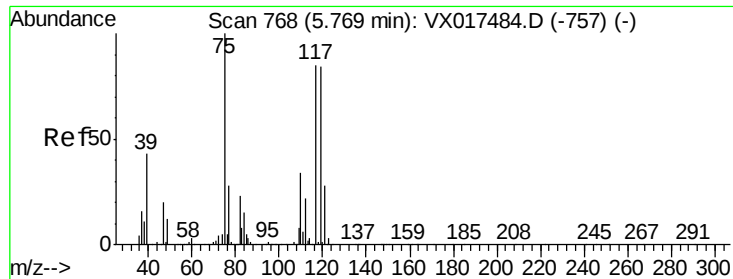


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.522 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017569.D

Acq: 25 Jul 2020 04:36

Instrument :

MSVOA_X

ClientSampleId :

PB130430ZHE#05

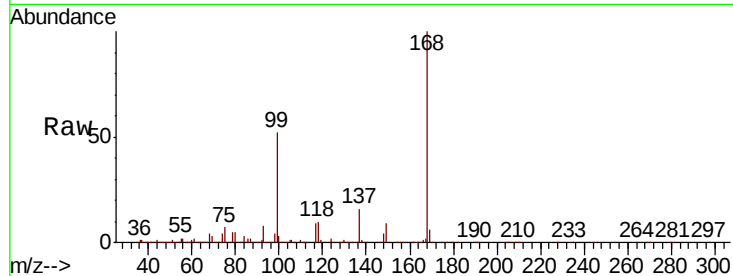
Tot Ion: 75 Resp: 39559

Ion Ratio Lower Upper

75 100

110 11.6 18.1 54.3#

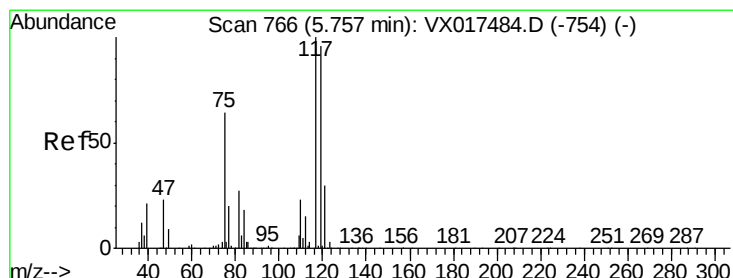
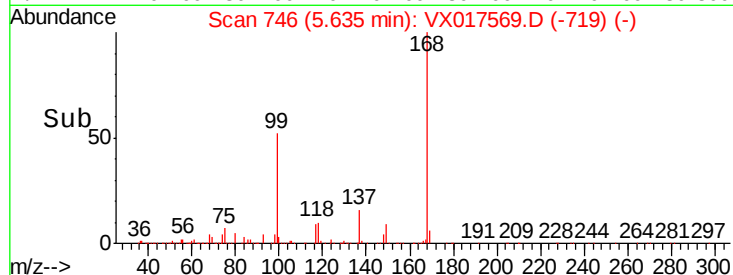
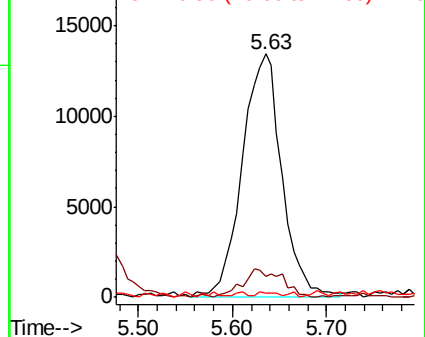
77 0.7 24.6 37.0#



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: 4.895 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017569.D

Acq: 25 Jul 2020 04:36

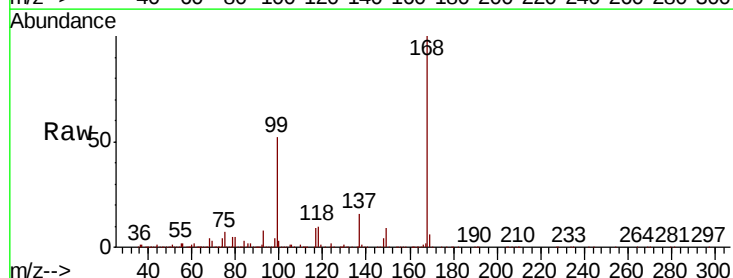
Tgt Ion: 117 Resp: 52005

Ion Ratio Lower Upper

117 100

119 6.7 75.4 113.0#

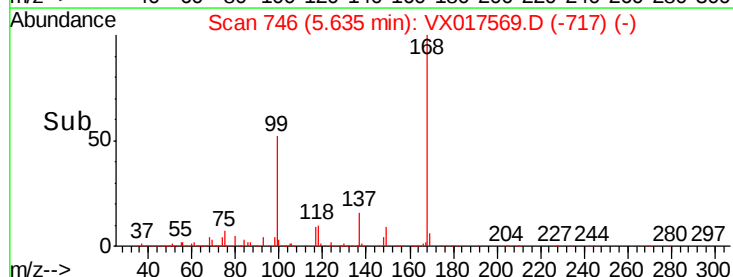
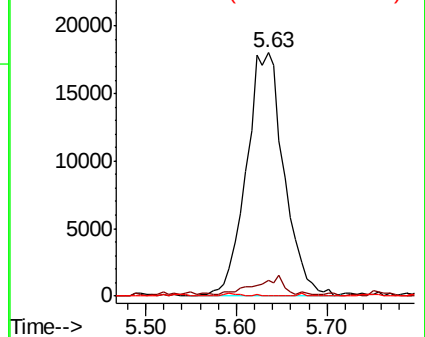
121 0.3 24.3 36.5#

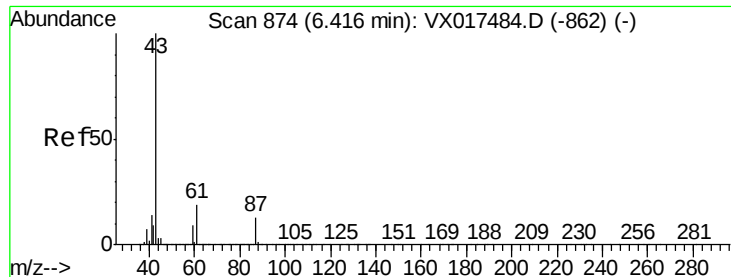


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



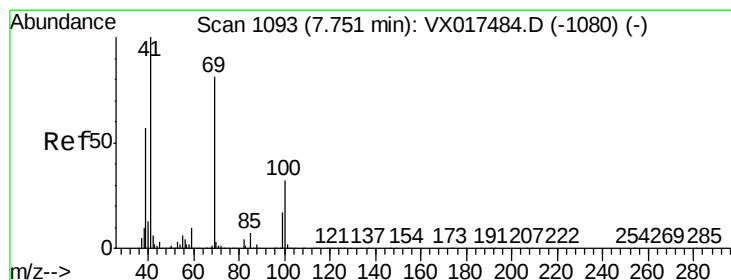
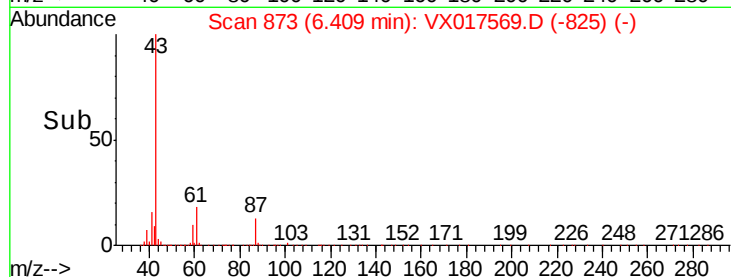
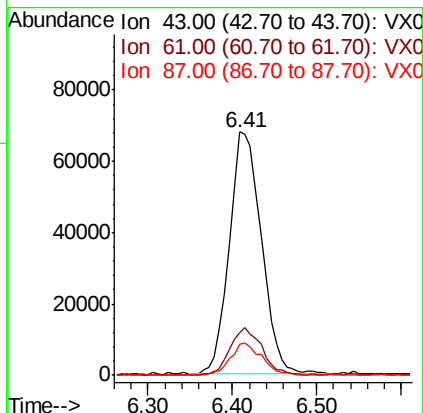
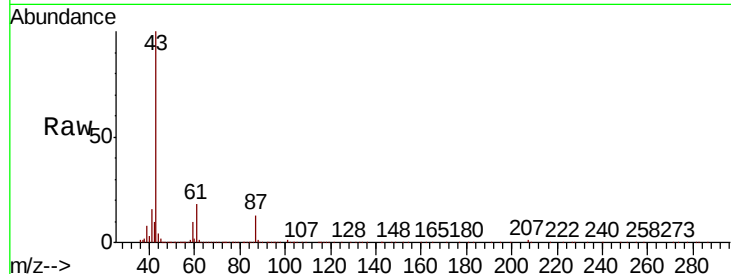


#43

Isopropyl Acetate
 Concen: 11.162 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX017569.D
 Acq: 25 Jul 2020 04:36

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130430ZHE#05

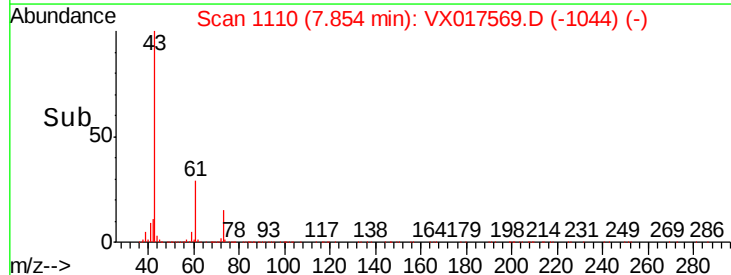
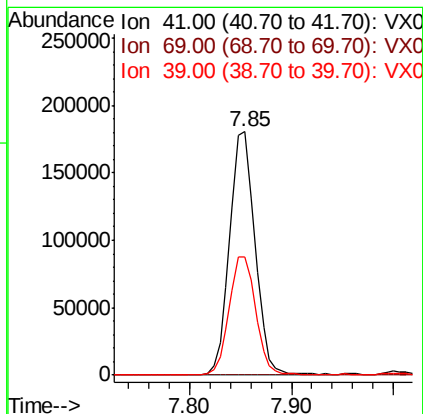
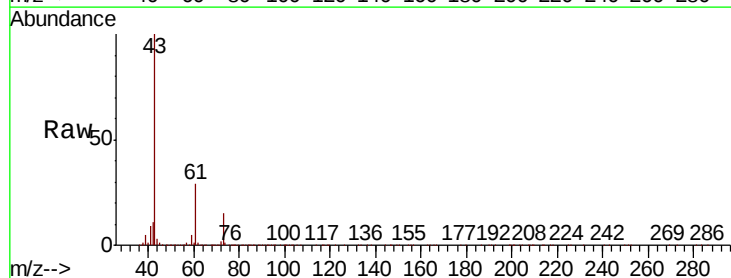
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.5	23.3
87	12.9	10.5	15.7

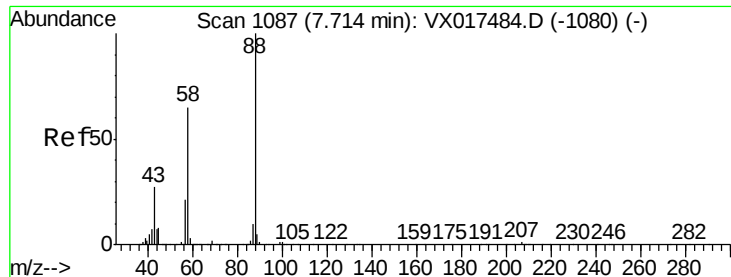


#48

Methyl methacrylate
 Concen: 39.748 ug/l
 RT: 7.85 min Scan# 1110
 Delta R.T. 0.10 min
 Lab File: VX017569.D
 Acq: 25 Jul 2020 04:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.6	63.1	94.7#
39	50.4	45.1	67.7





#49

1,4-Dioxane

Concen: 1.153 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.03 min

Lab File: VX017569.D

Acq: 25 Jul 2020 04:36

Instrument :

MSVOA_X

ClientSampleId :

PB130430ZHE#05

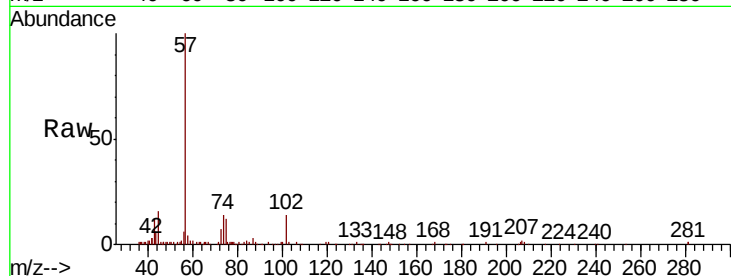
Tot Ion: 88 Resp: 173

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.6#

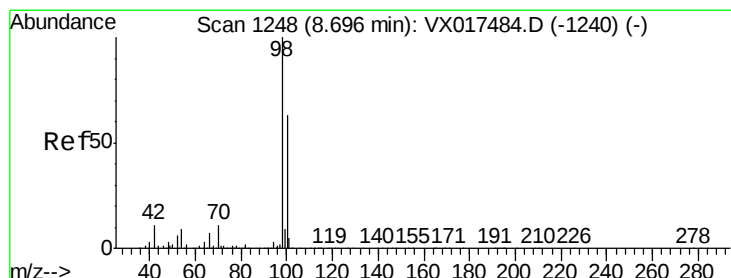
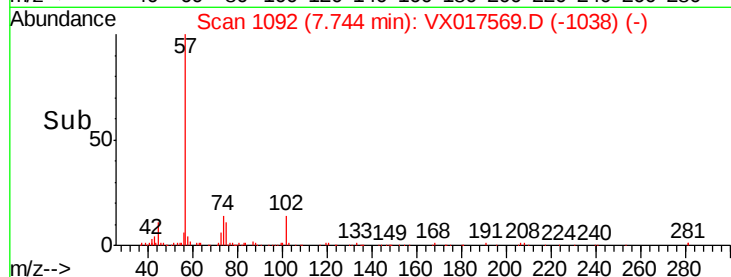
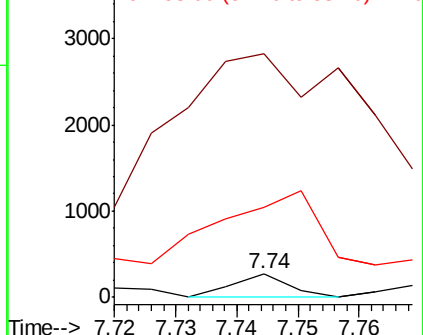
58 1233.5 58.3 87.5#



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: 50.443 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017569.D

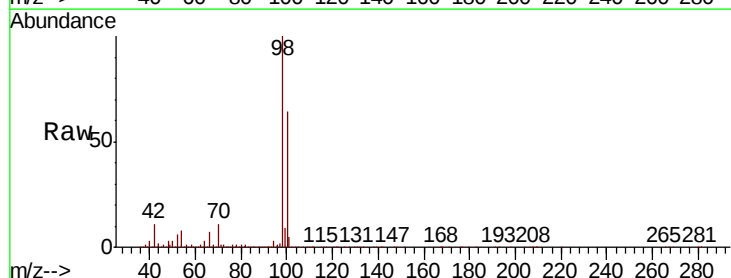
Acq: 25 Jul 2020 04:36

Tgt Ion: 98 Resp: 1110218

Ion Ratio Lower Upper

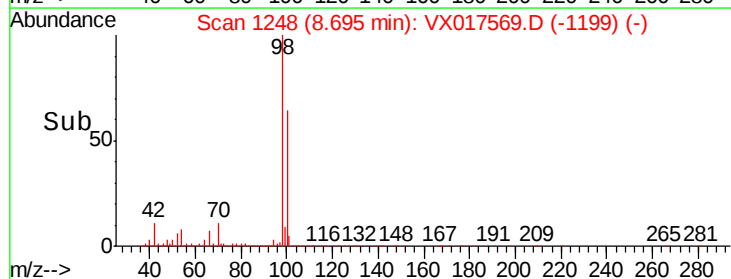
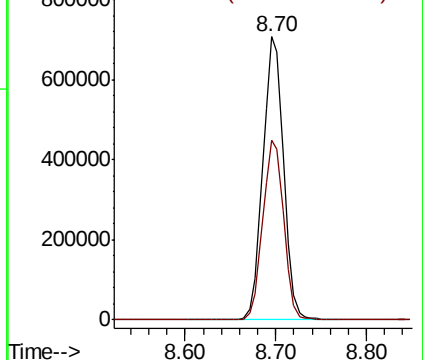
98 100

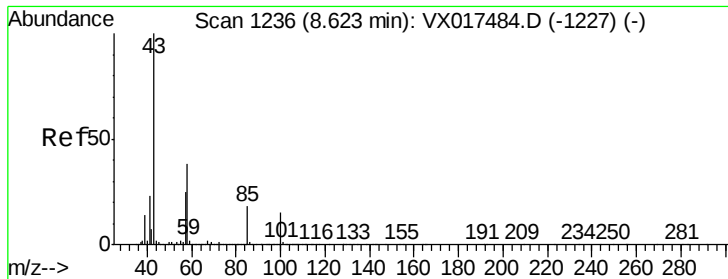
100 64.1 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 19.903 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX017569.D

Acq: 25 Jul 2020 04:36

Instrument :

MSVOA_X

ClientSampleId :

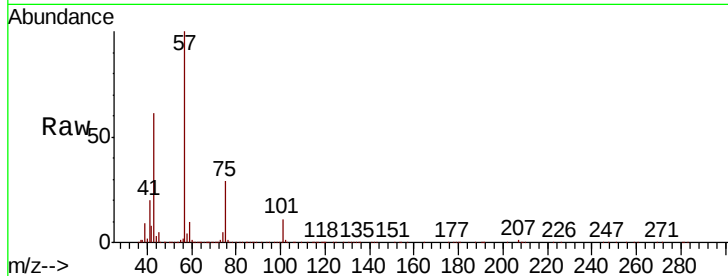
PB130430ZHE#05

Tot Ion: 43 Resp: 187568

Ion Ratio Lower Upper

43 100

58 7.5 31.0 46.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.59

120000

100000

80000

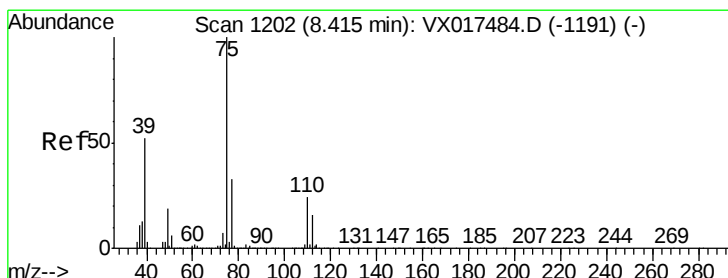
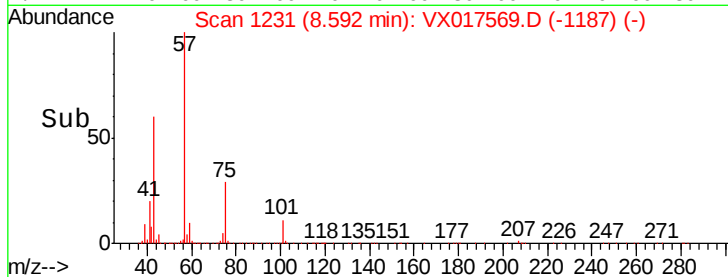
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 7.006 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX017569.D

Acq: 25 Jul 2020 04:36

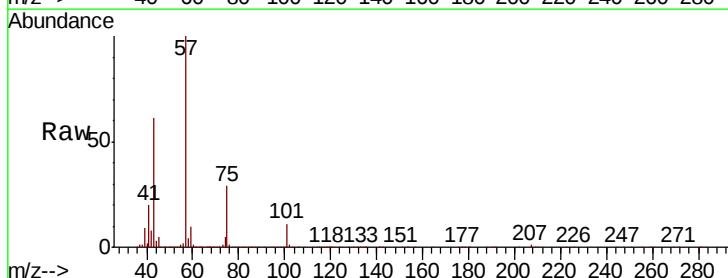
Tgt Ion: 75 Resp: 79097

Ion Ratio Lower Upper

75 100

77 0.7 25.5 38.3#

39 29.4 41.8 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

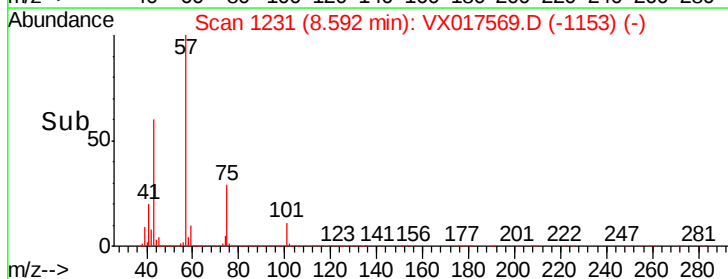
60000

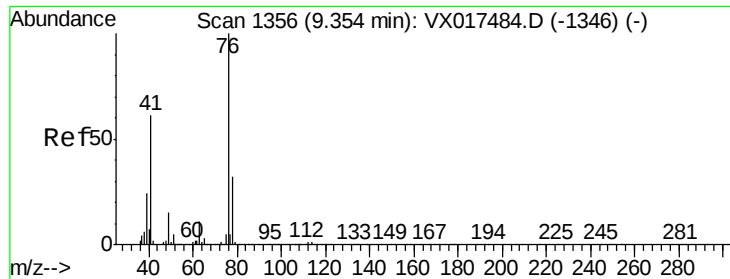
40000

20000

0

Time-->





#57

1,3-Dichloropropane

Concen: 1.319 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX017569.D

Acq: 25 Jul 2020 04:36

Instrument :

MSVOA_X

ClientSampleId :

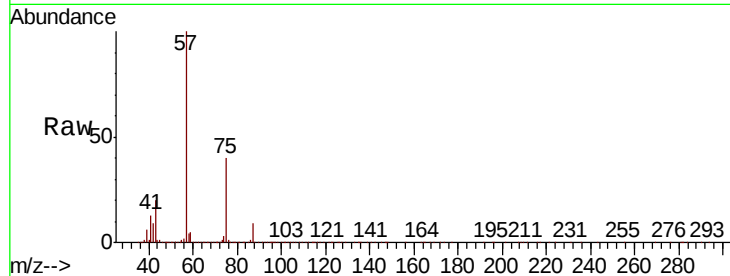
PB130430ZHE#05

Tot Ion: 76 Resp: 14553

Ion Ratio Lower Upper

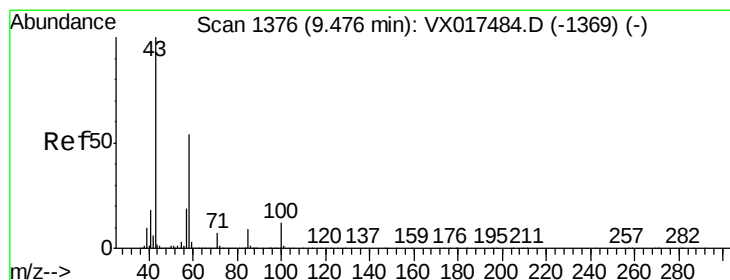
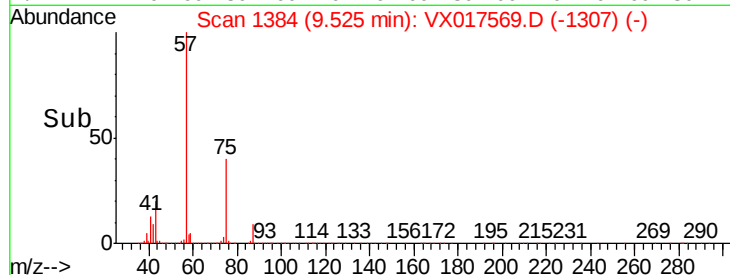
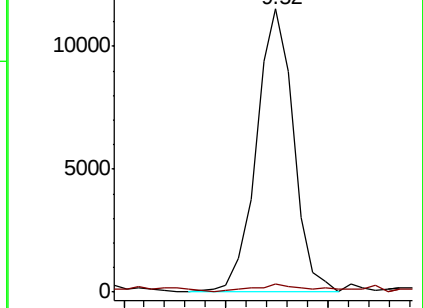
76 100

78 3.5 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 28.941 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX017569.D

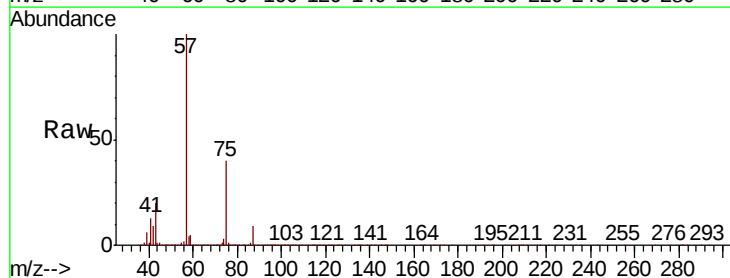
Acq: 25 Jul 2020 04:36

Tgt Ion: 43 Resp: 205344

Ion Ratio Lower Upper

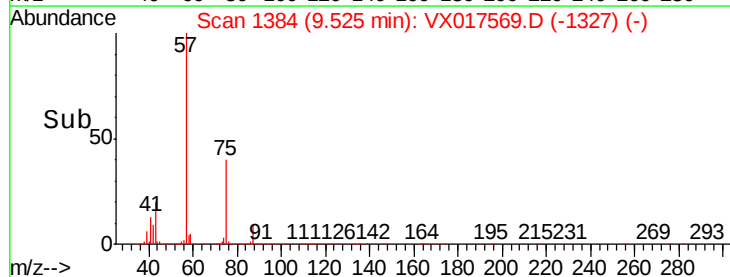
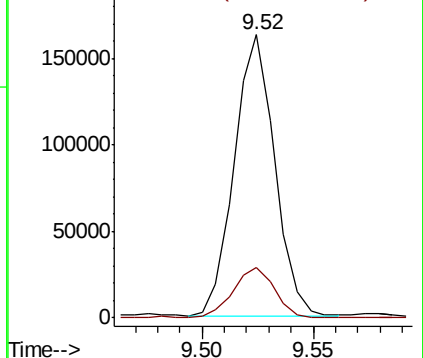
43 100

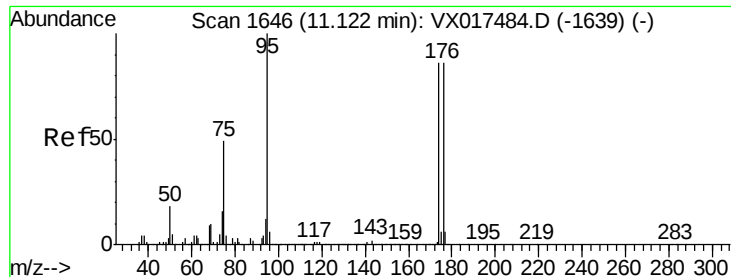
58 18.1 26.6 79.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

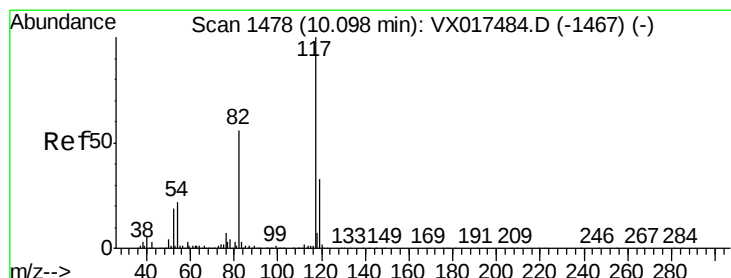
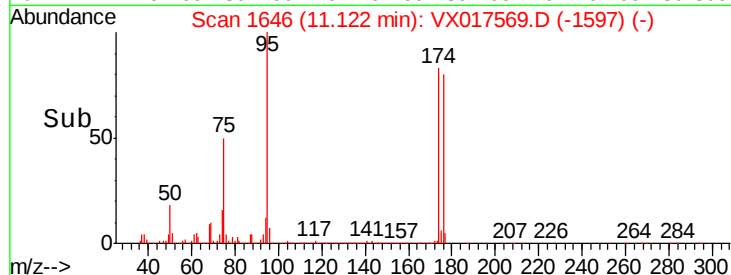
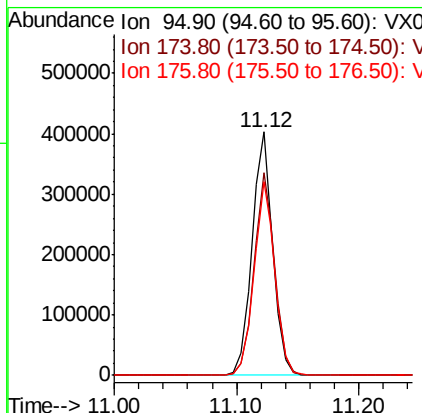
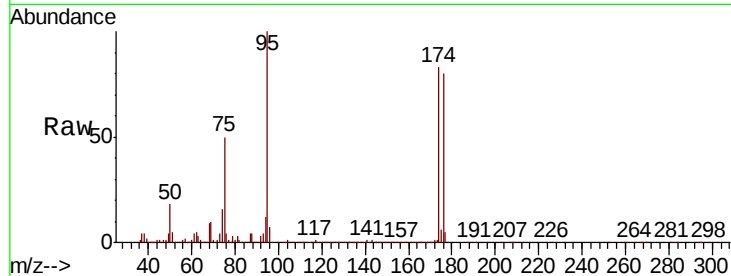




#62
4-Bromofluorobenzene
Concen: 53.964 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017569.D
Acq: 25 Jul 2020 04:36

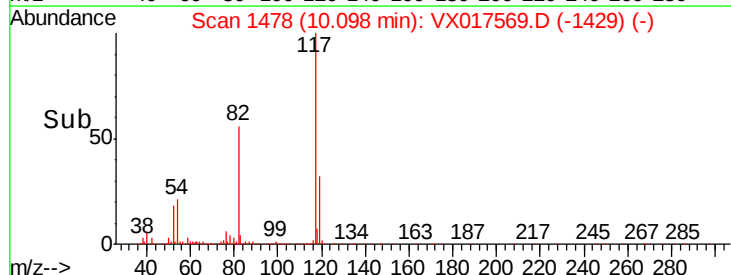
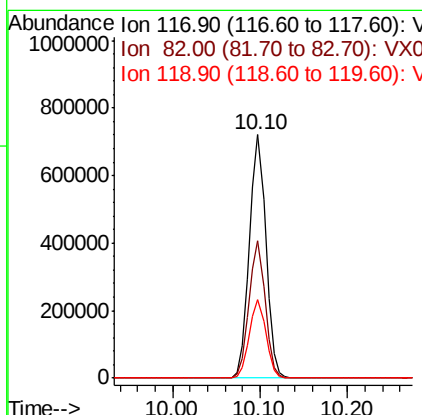
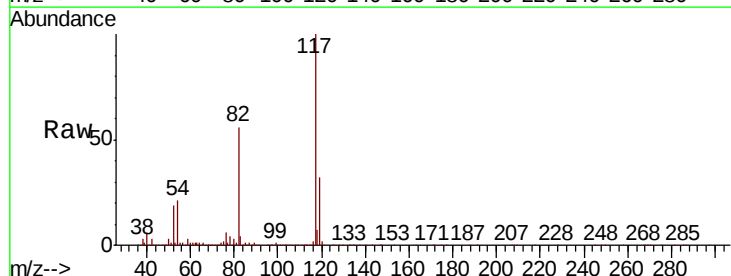
Instrument :
MSVOA_X
ClientSampleId :
PB130430ZHE#05

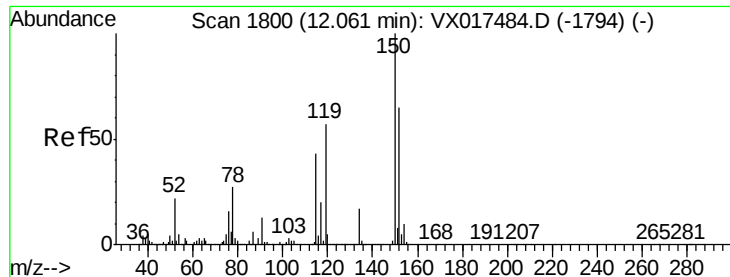
Tot Ion: 95 Resp: 475322
Ion Ratio Lower Upper
95 100
174 83.7 0.0 169.0
176 80.2 0.0 161.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017569.D
Acq: 25 Jul 2020 04:36

Tgt Ion: 117 Resp: 937903
Ion Ratio Lower Upper
117 100
82 56.3 44.0 66.0
119 32.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017569.D

Acq: 25 Jul 2020 04:36

Instrument :

MSVOA_X

ClientSampleId :

PB130430ZHE#05

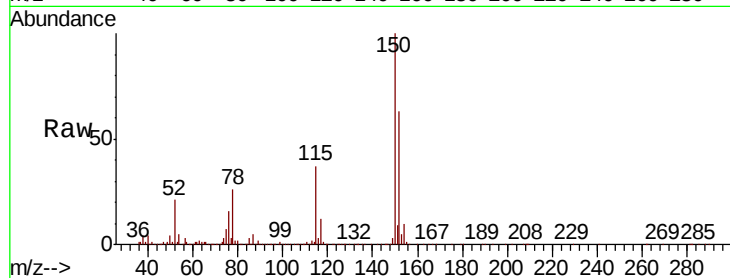
Tot Ion:152 Resp: 491950

Ion Ratio Lower Upper

152 100

115 58.7 65.5 196.6#

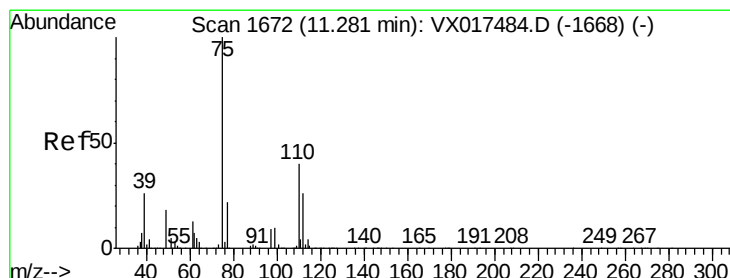
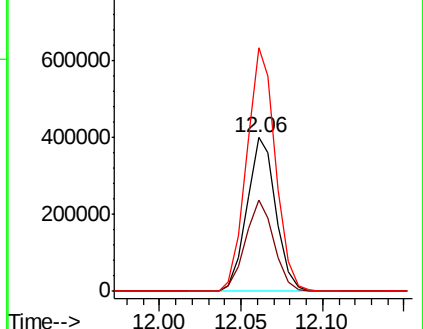
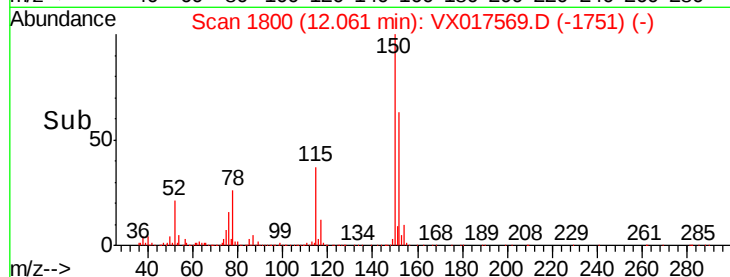
150 158.0 0.0 412.6



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: 23.916 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017569.D

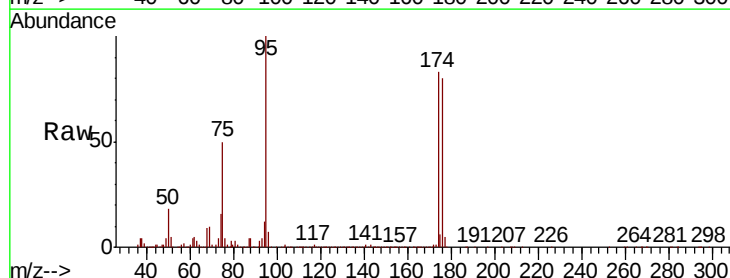
Acq: 25 Jul 2020 04:36

Tgt Ion: 75 Resp: 242021

Ion Ratio Lower Upper

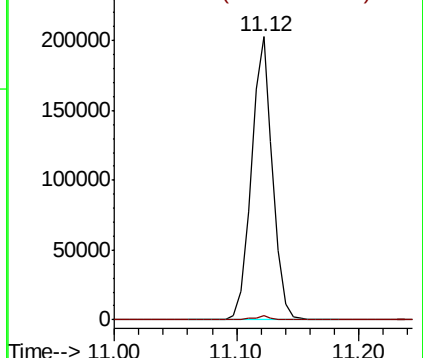
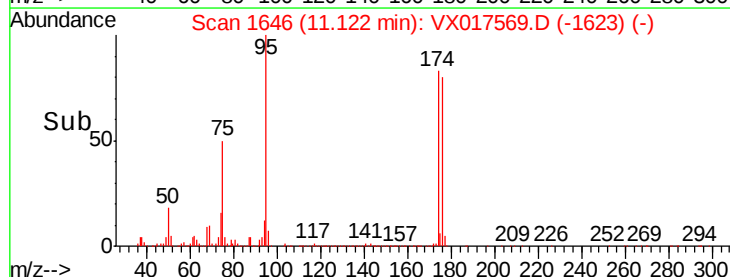
75 100

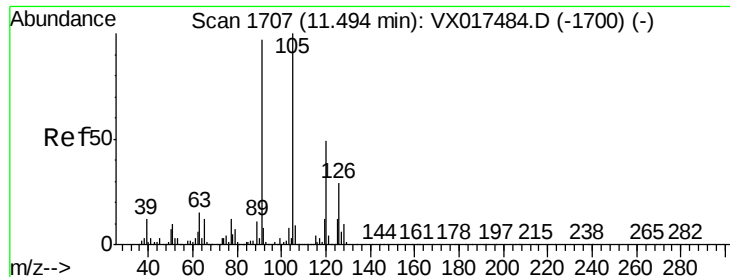
77 1.5 21.8 65.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

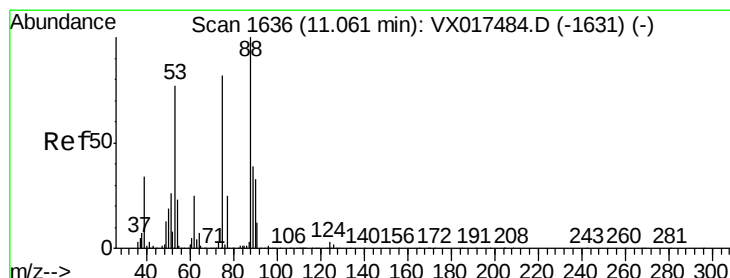
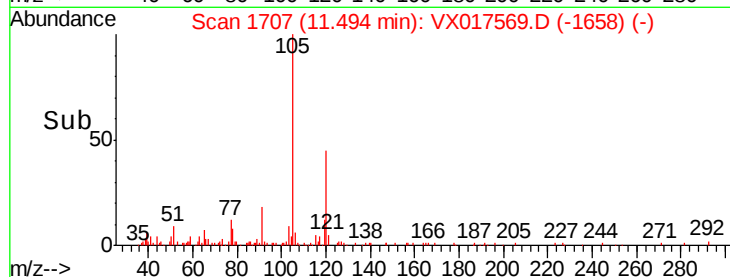
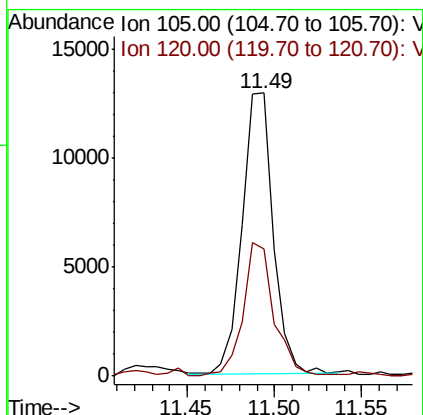
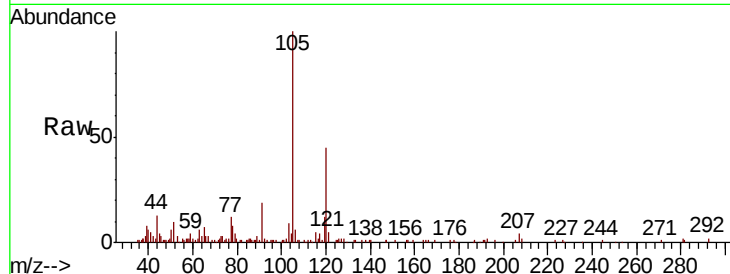




#80
 1,3,5-Trimethylbenzene
 Concen: 0.556 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX017569.D
 Acq: 25 Jul 2020 04:36

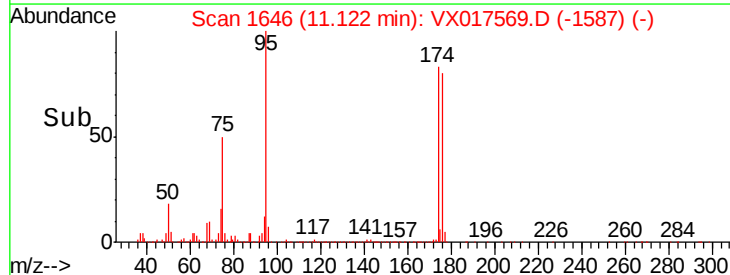
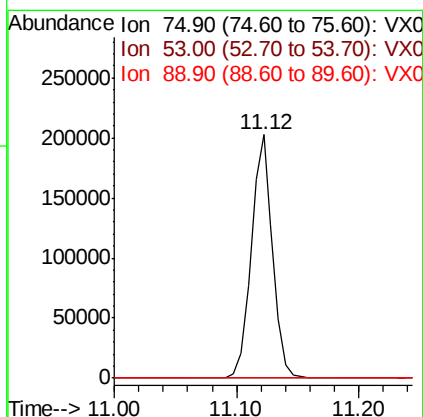
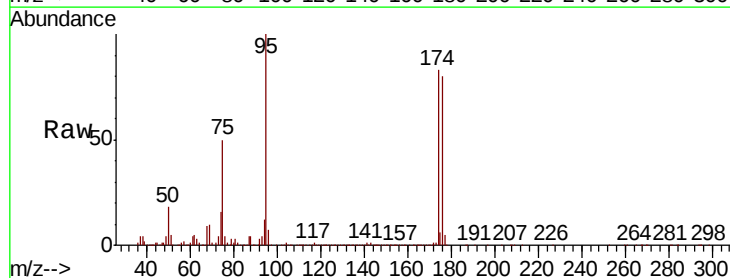
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130430ZHE#05

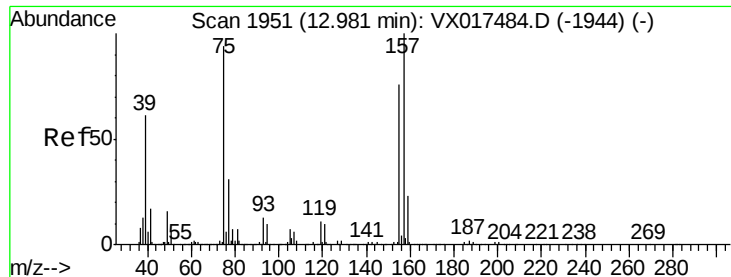
Tot Ion:105 Resp: 16028
 Ion Ratio Lower Upper
 105 100
 120 46.9 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.263 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017569.D
 Acq: 25 Jul 2020 04:36

Tgt Ion: 75 Resp: 242021
 Ion Ratio Lower Upper
 75 100
 53 0.2 75.9 113.9#
 89 0.2 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.599 ug/l

RT: 13.12 min Scan# 1973

Delta R.T. 0.13 min

Lab File: VX017569.D

Acq: 25 Jul 2020 04:36

Instrument :

MSVOA_X

ClientSampleId :

PB130430ZHE#05

Tot Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

155 64.8 42.3 126.8

157 153.5 54.3 162.9

