

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090120\
 Data File : VX018184.D
 Acq On : 01 Sep 2020 12:13
 Operator : JC/SP
 Sample : PB131314TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314TB

Quant Time: Sep 02 02:48:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	481645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	773521	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	751516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	359153	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	335568	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
35) Dibromofluoromethane	5.47	113	265289	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	8.70	98	964780	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.12	95	364580	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	

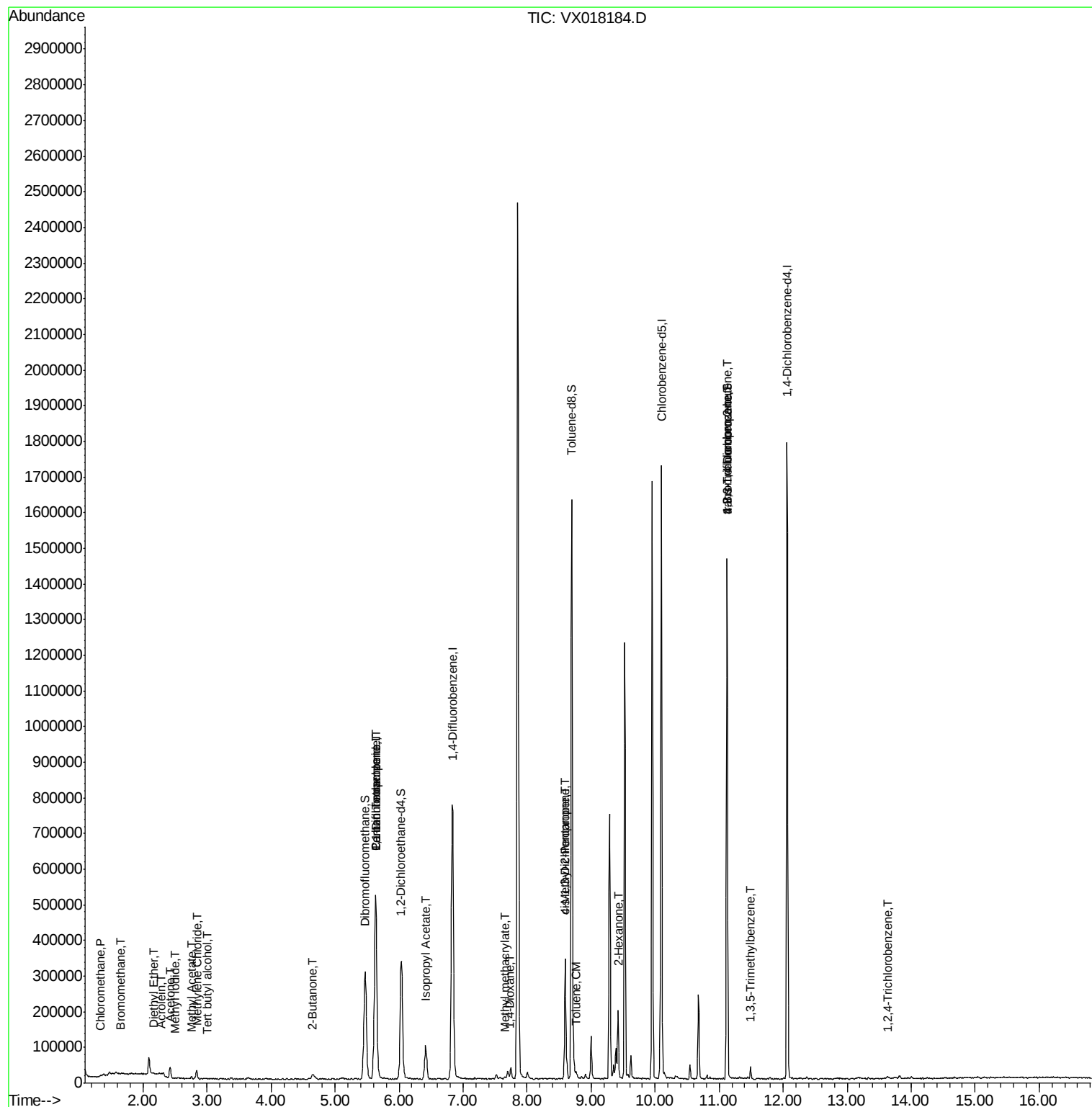
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1243	0.201	ug/l #	43
5) Bromomethane	1.65	94	985	0.332	ug/l #	57
8) Diethyl Ether	2.17	74	930	0.327	ug/l #	1
10) Methyl Iodide	2.50	142	743	5.423	ug/l #	38
11) Tert butyl alcohol	3.00	59	803	0.618	ug/l #	1
13) Acrolein	2.28	56	304	0.564	ug/l #	1
16) Acetone	2.42	43	33697	12.933	ug/l	95
18) Methyl Acetate	2.75	43	8873	1.411	ug/l	91
20) Methylene Chloride	2.83	84	11874	1.086	ug/l	97
25) 2-Butanone	4.65	43	9576	2.236	ug/l	96
36) 1,1-Dichloropropene	5.63	75	36243	5.080	ug/l #	52
38) Carbon Tetrachloride	5.64	117	49277	6.129	ug/l #	16
43) Isopropyl Acetate	6.42	43	129607	9.684	ug/l	99
48) Methyl methacrylate	7.65	41	7100	1.066	ug/l #	17
49) 1,4-Dioxane	7.73	88	284	2.353	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	130738	15.814	ug/l #	47
52) Toluene	8.77	92	4233	0.318	ug/l	93
54) cis-1,3-Dichloropropene	8.60	75	53413	5.734	ug/l #	63
59) 2-Hexanone	9.42	43	121244	19.287	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	185440	23.210	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	12791	0.657	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.12	75	185440	62.688	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	1639	0.227	ug/l	87

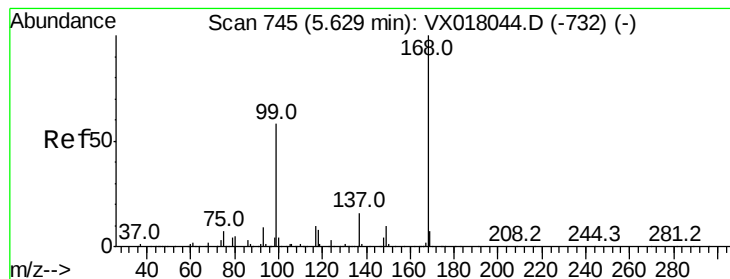
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 02 02:48:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018184.D

Acq: 01 Sep 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

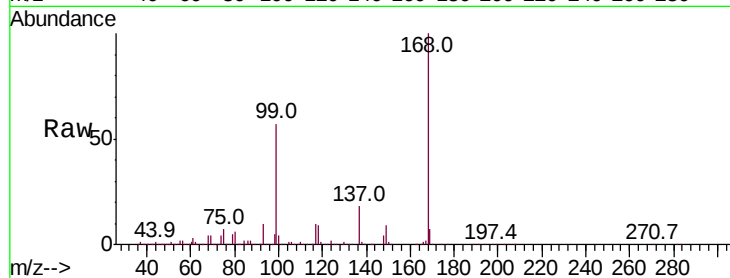
PB131314TB

Tot Ion:168 Resp: 481645

Ion Ratio Lower Upper

168 100

99 56.9 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

200000 Ion 98.90 (98.60 to 99.60): VX0

150000

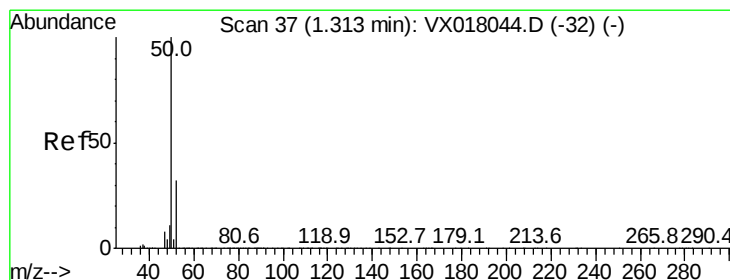
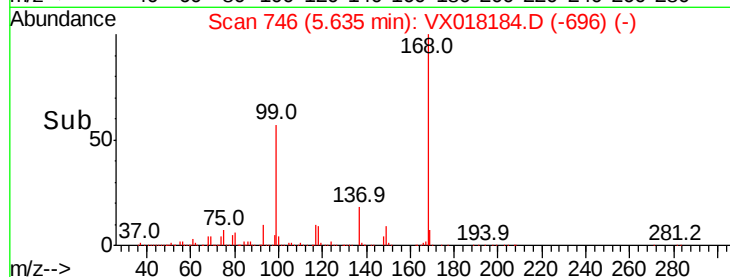
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.201 ug/l

RT: 1.33 min Scan# 39

Delta R.T. 0.01 min

Lab File: VX018184.D

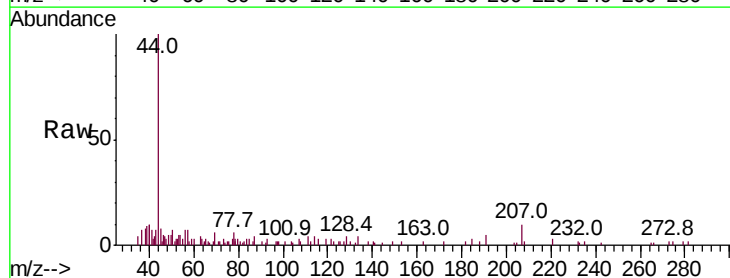
Acq: 01 Sep 2020 12:13

Tgt Ion: 50 Resp: 1243

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

600 Ion 51.90 (51.60 to 52.60): VX0

500

400

300

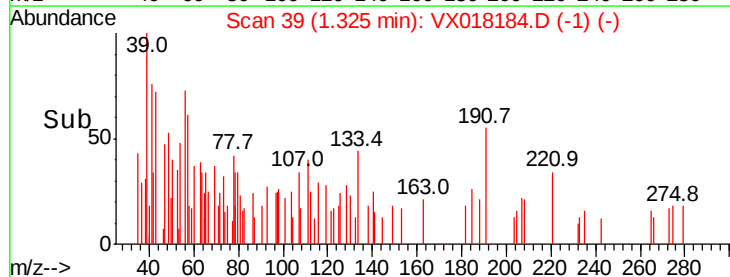
200

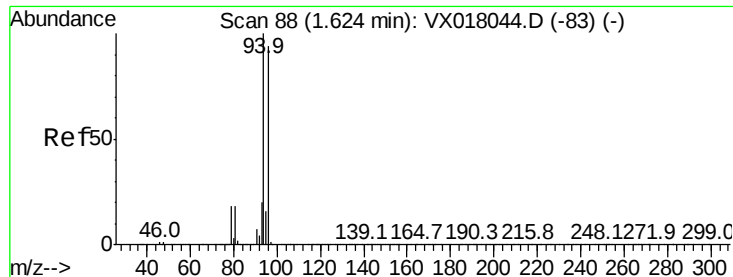
100

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.332 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018184.D

Acq: 01 Sep 2020 12:13

Instrument :

MSVOA_X

ClientSampled :

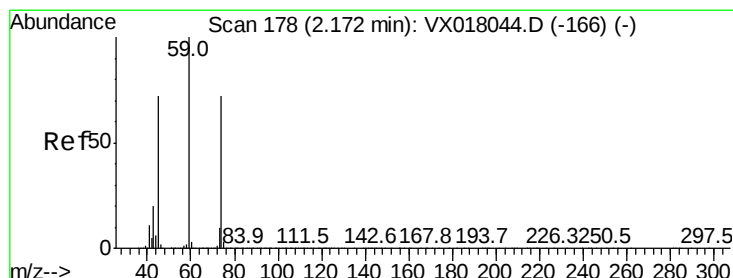
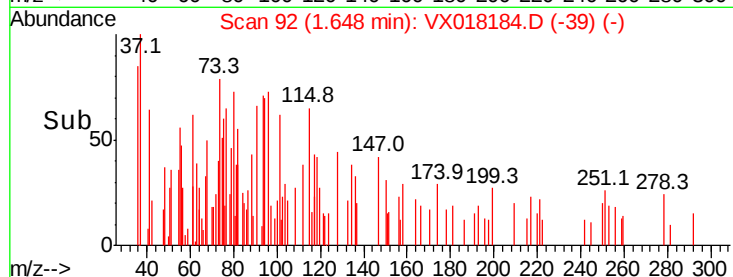
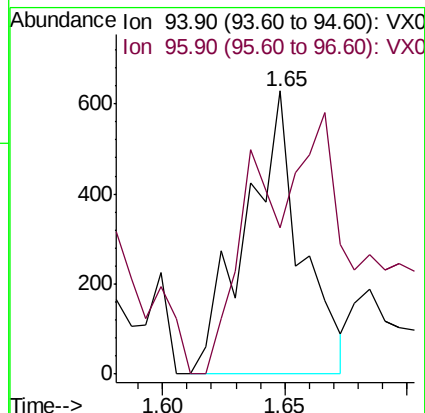
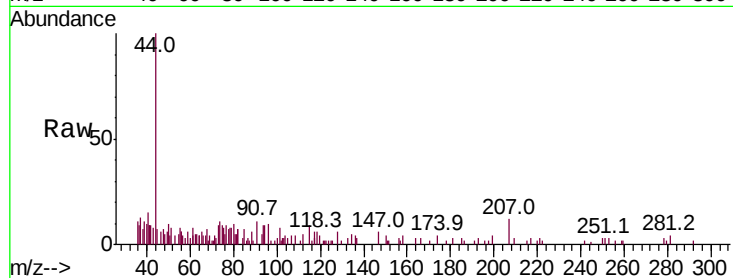
PB131314TB

Tot Ion: 94 Resp: 985

Ion Ratio Lower Upper

94 100

96 51.8 74.8 112.2#



#8

Diethyl Ether

Concen: 0.327 ug/l

RT: 2.17 min Scan# 178

Delta R.T. -0.00 min

Lab File: VX018184.D

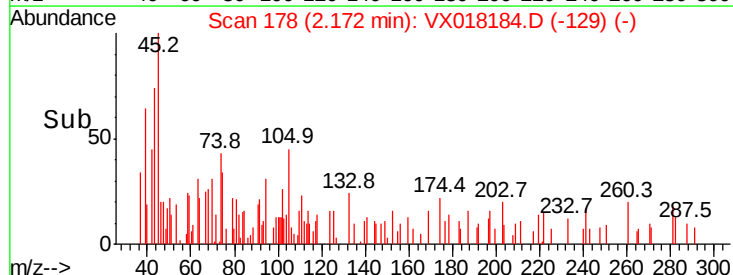
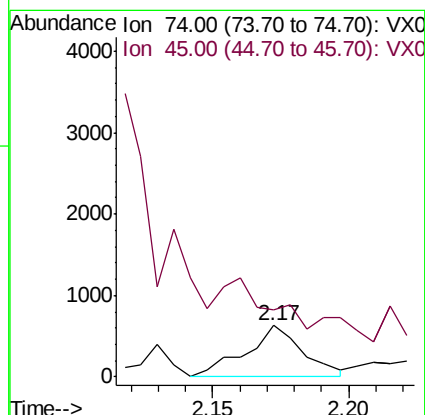
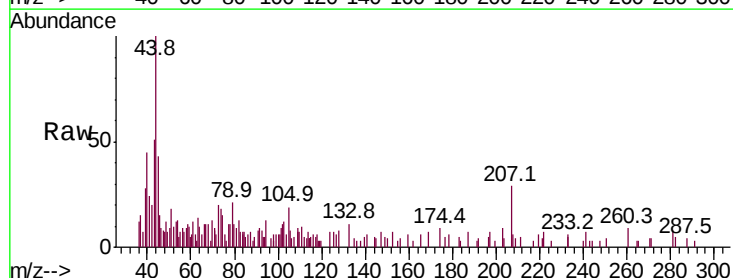
Acq: 01 Sep 2020 12:13

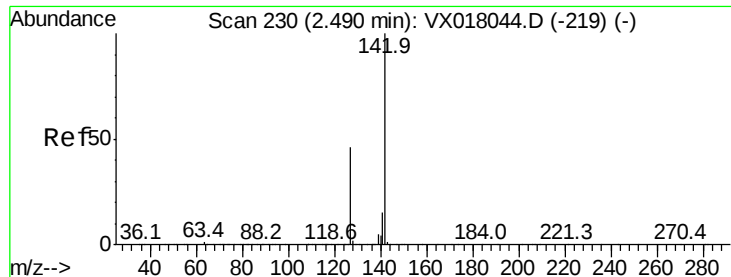
Tgt Ion: 74 Resp: 930

Ion Ratio Lower Upper

74 100

45 0.0 50.7 152.3#

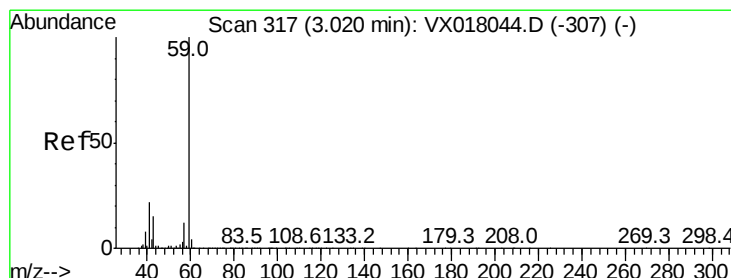
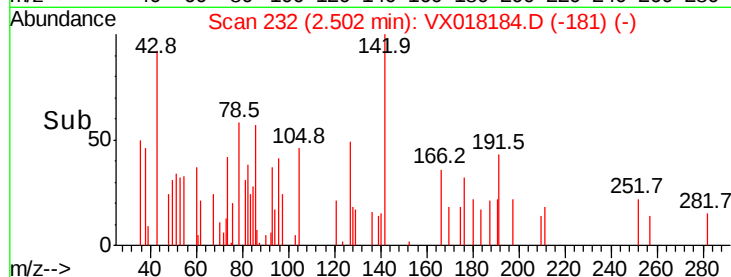
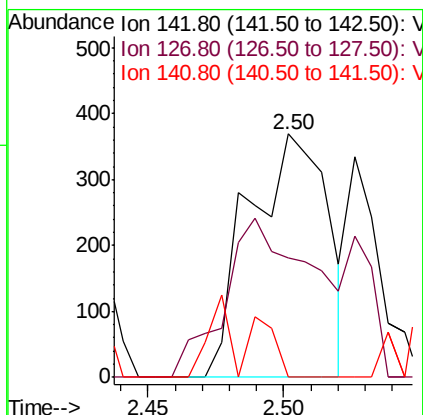
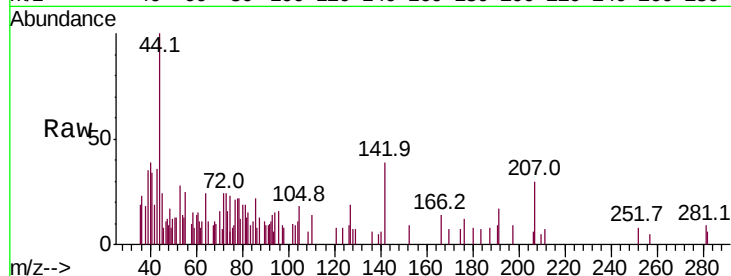




#10
Methyl Iodide
Concen: 5.423 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018184.D
Acq: 01 Sep 2020 12:13

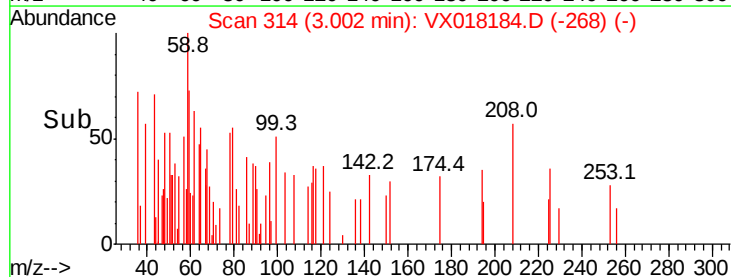
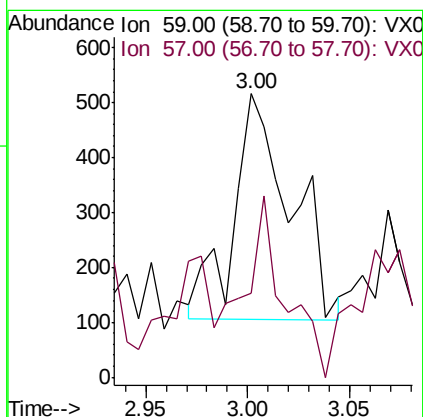
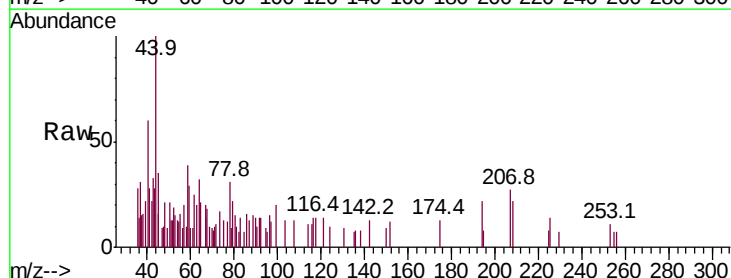
Instrument :
MSVOA_X
ClientSampleID :
PB131314TB

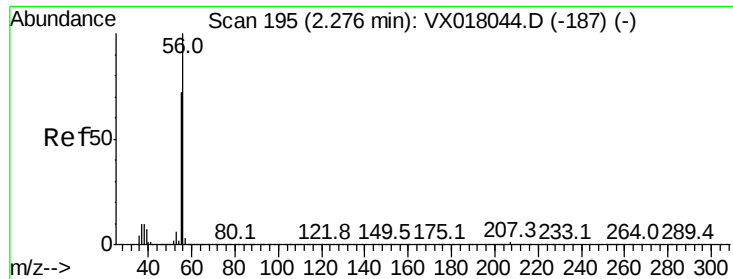
Tot Ion:142 Resp: 743
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.618 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018184.D
Acq: 01 Sep 2020 12:13

Tgt Ion: 59 Resp: 803
Ion Ratio Lower Upper
59 100
57 51.3 8.9 13.3#

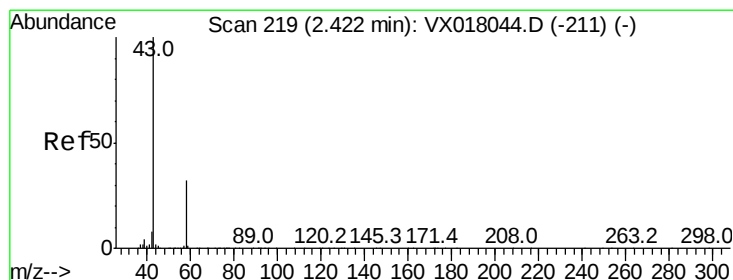
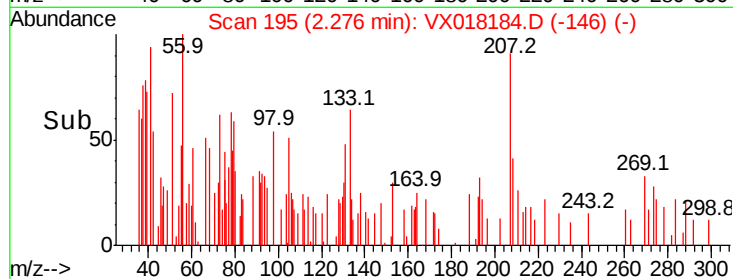
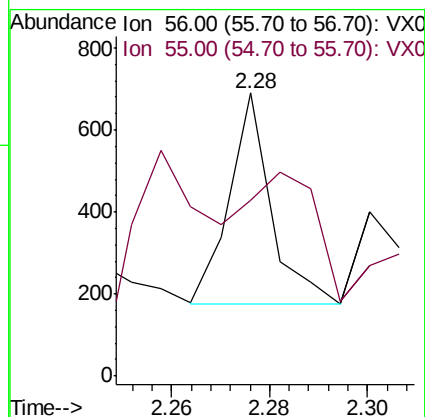
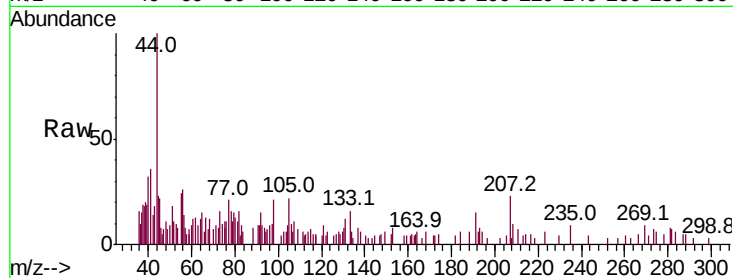




#13
Acrolein
Concen: 0.564 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX018184.D
Acq: 01 Sep 2020 12:13

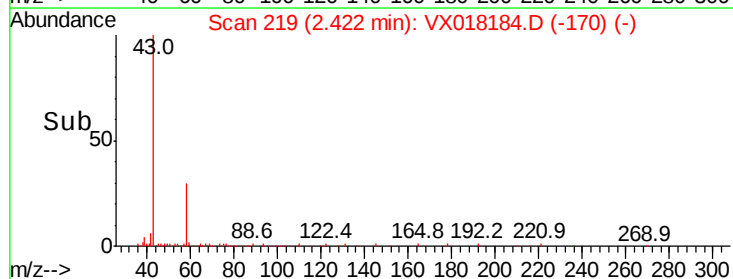
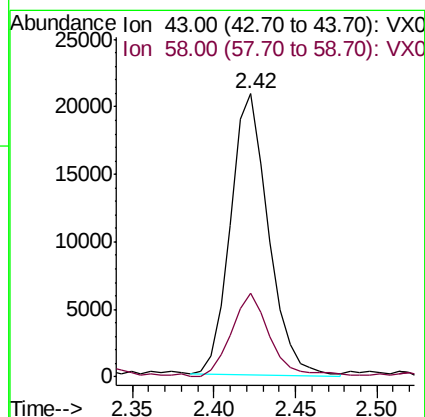
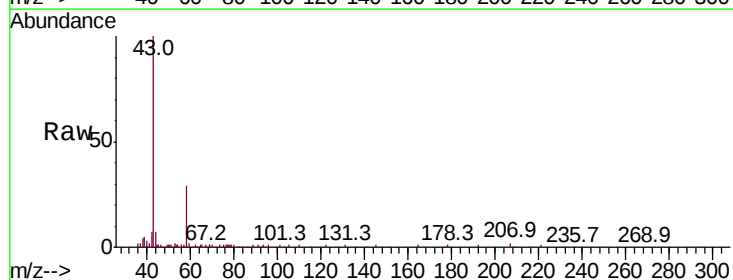
Instrument :
MSVOA_X
ClientSampleId :
PB131314TB

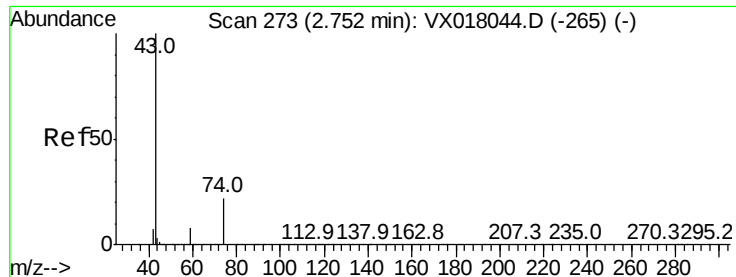
Tot Ion: 56 Resp: 304
Ion Ratio Lower Upper
56 100
55 161.8 57.0 85.6#



#16
Acetone
Concen: 12.933 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018184.D
Acq: 01 Sep 2020 12:13

Tgt Ion: 43 Resp: 33697
Ion Ratio Lower Upper
43 100
58 29.4 25.5 38.3

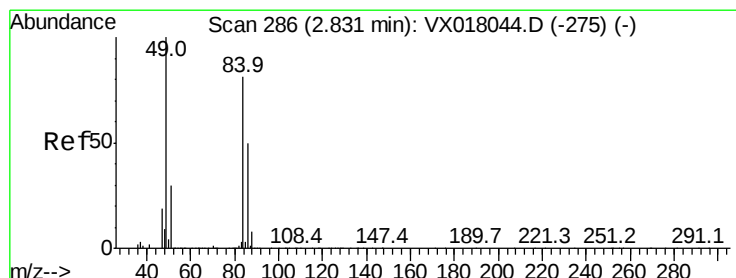
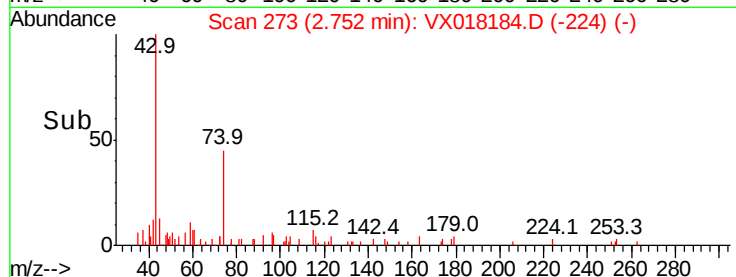
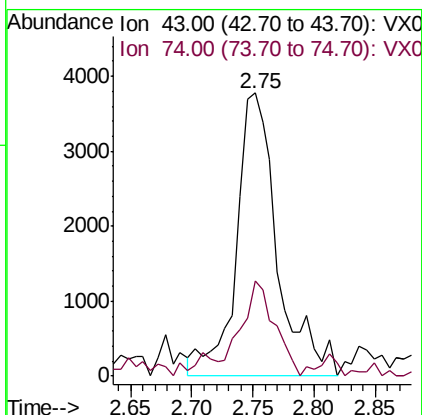
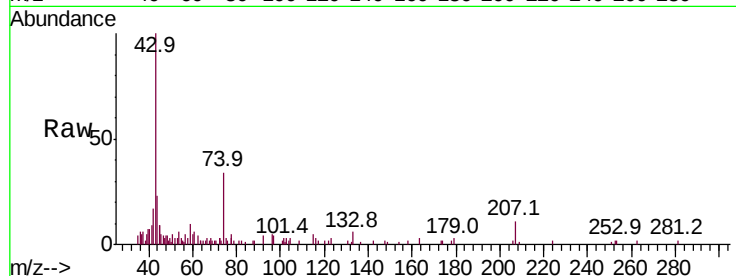




#18
Methvl Acetate
Concen: 1.411 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018184.D
Acq: 01 Sep 2020 12:13

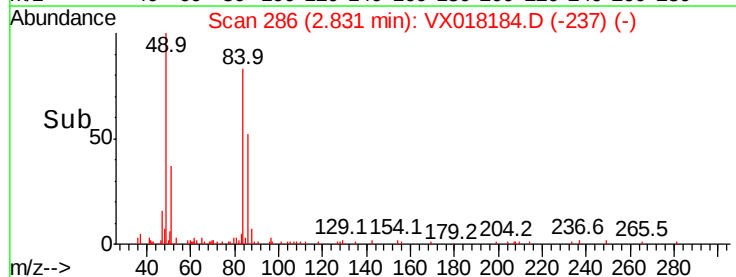
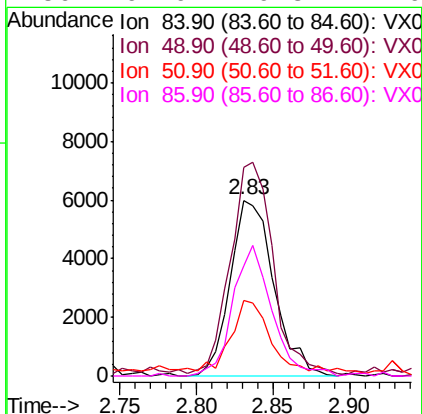
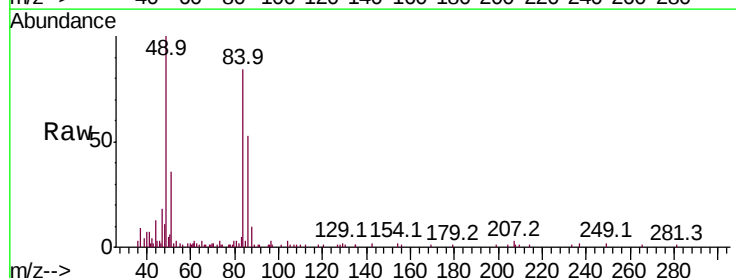
Instrument :
MSVOA_X
ClientSampleId :
PB131314TB

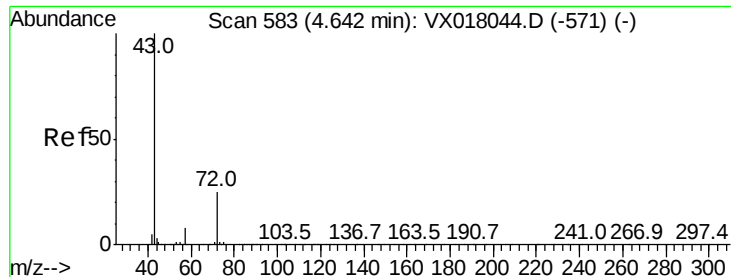
Tot Ion: 43 Resp: 8873
Ion Ratio Lower Upper
43 100
74 27.2 18.2 27.4



#20
Methylene Chloride
Concen: 1.086 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018184.D
Acq: 01 Sep 2020 12:13

Tgt Ion: 84 Resp: 11874
Ion Ratio Lower Upper
84 100
49 117.7 98.6 148.0
51 38.2 29.6 44.4
86 62.9 49.8 74.6

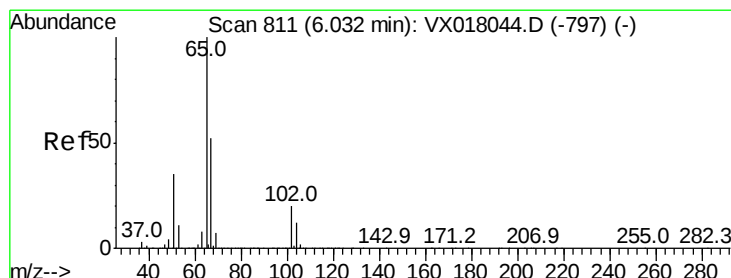
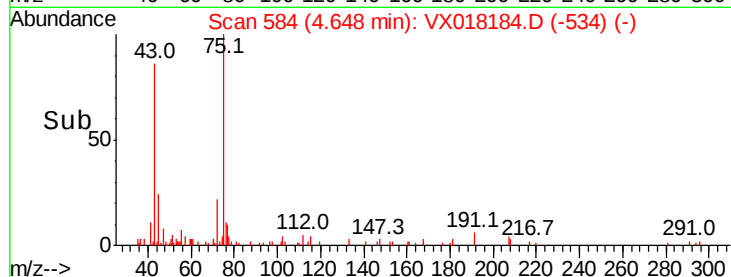
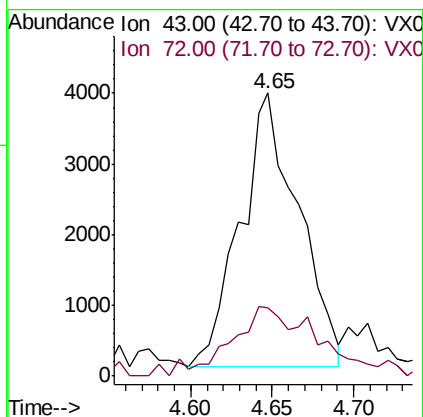
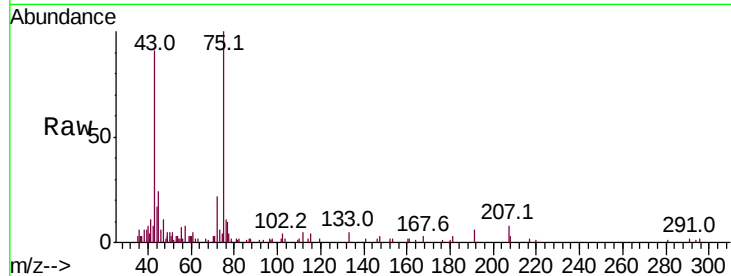




#25
2-Butanone
Concen: 2.236 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018184.D
Acq: 01 Sep 2020 12:13

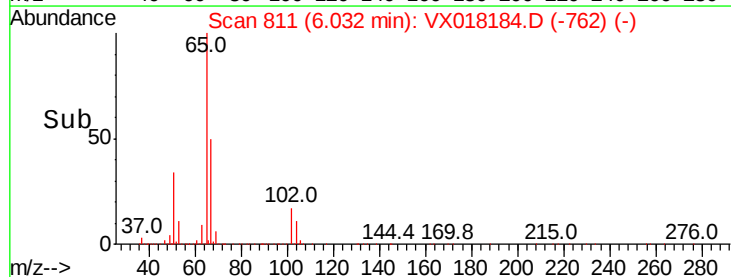
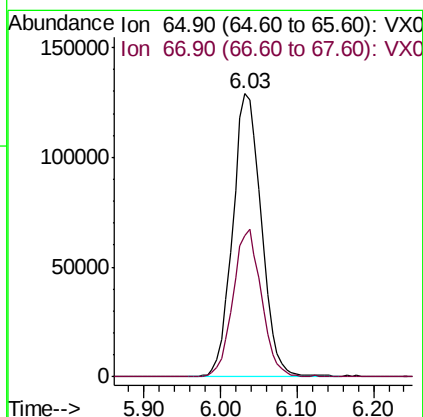
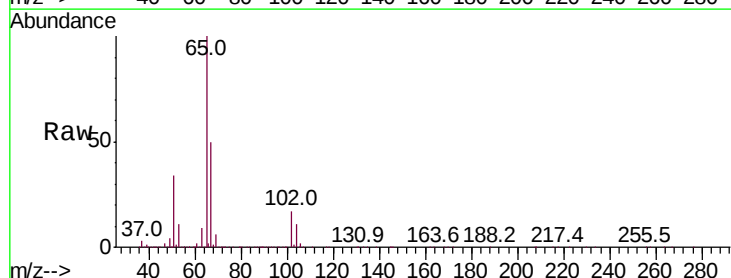
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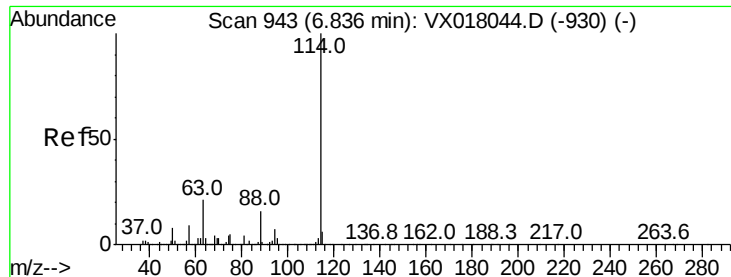
Tot Ion: 43 Resp: 9576
Ion Ratio Lower Upper
43 100
72 22.5 19.8 29.6



#33
1,2-Dichloroethane-d4
Concen: 50.186 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018184.D
Acq: 01 Sep 2020 12:13

Tgt Ion: 65 Resp: 335568
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018184.D

Acq: 01 Sep 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

PB131314TB

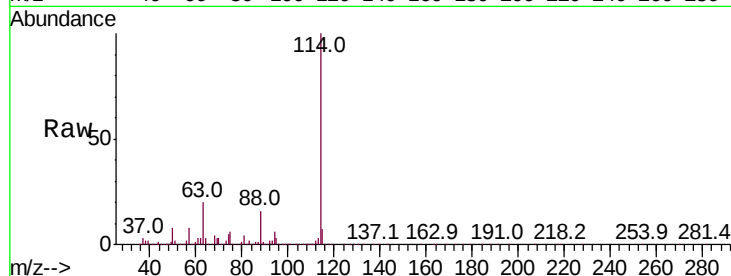
Tot Ion:114 Resp: 773521

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

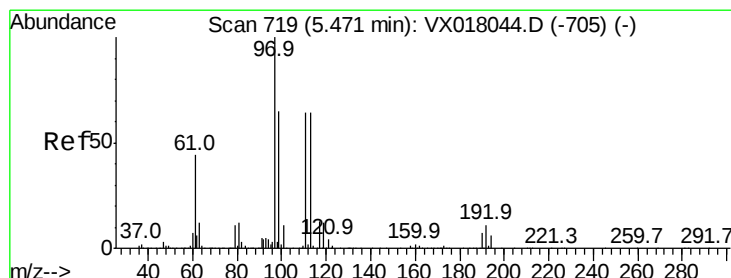
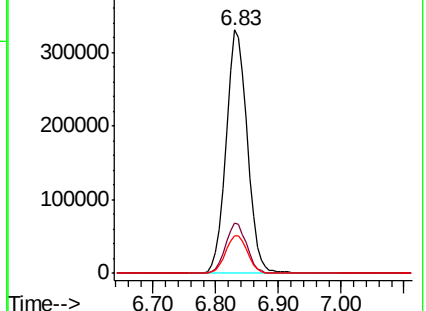
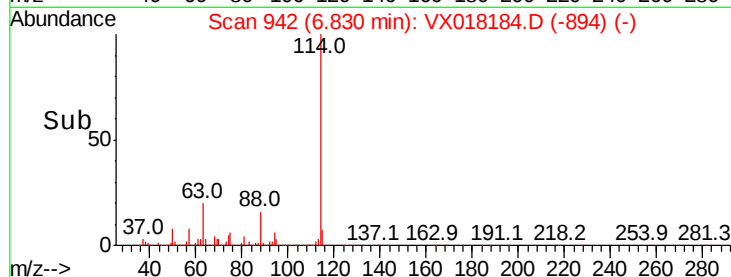
88 15.5 0.0 31.8



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



#35

Dibromofluoromethane

Concen: 50.358 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018184.D

Acq: 01 Sep 2020 12:13

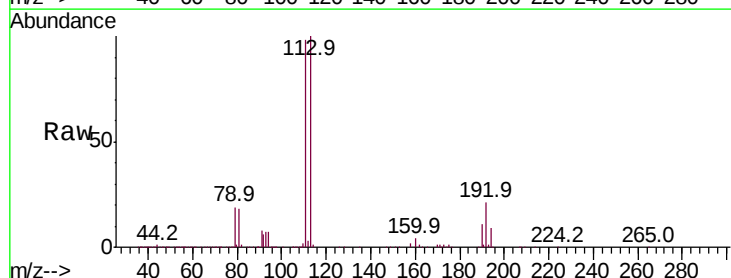
Tgt Ion:113 Resp: 265289

Ion Ratio Lower Upper

113 100

111 103.5 81.6 122.4

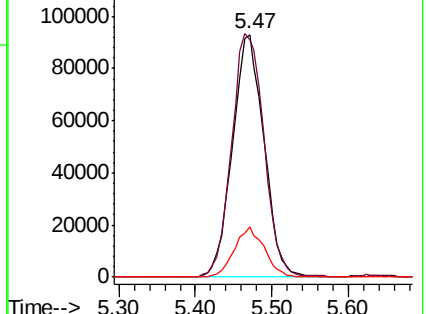
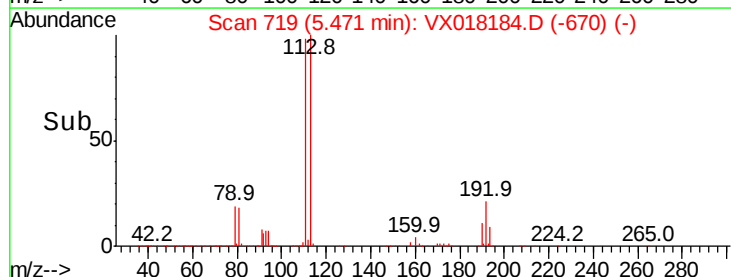
192 19.8 15.8 23.8

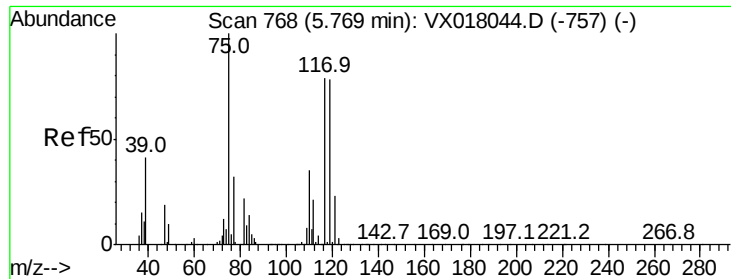


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.080 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018184.D

Acq: 01 Sep 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

PB131314TB

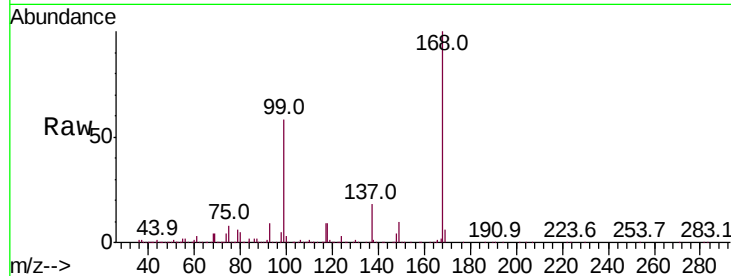
Tot Ion: 75 Resp: 36243

Ion Ratio Lower Upper

75 100

110 11.3 18.0 54.0#

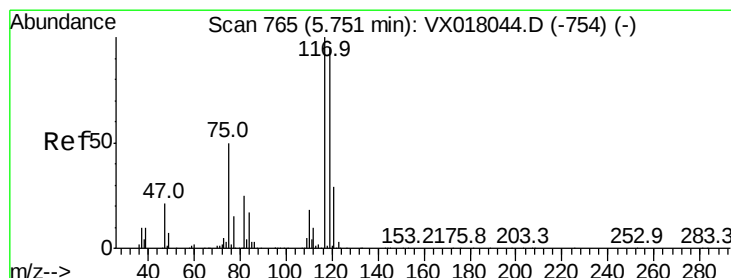
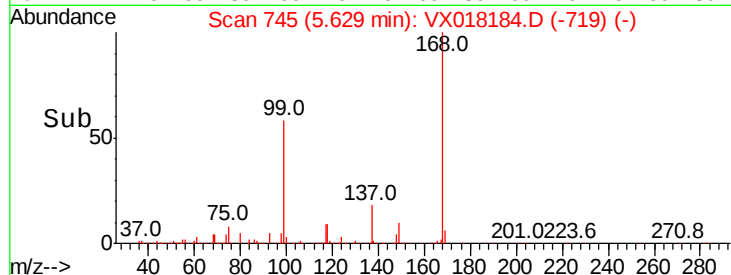
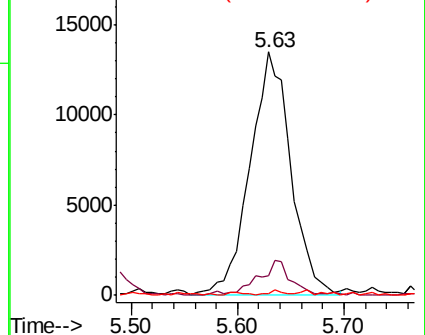
77 0.8 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.129 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018184.D

Acq: 01 Sep 2020 12:13

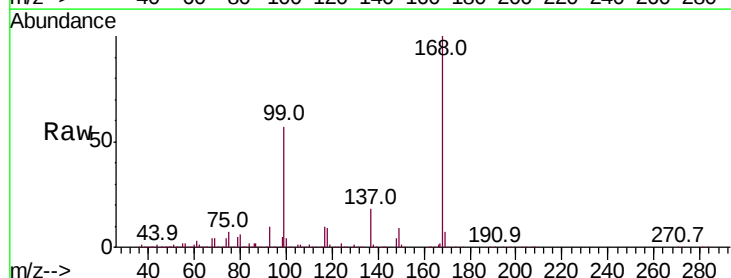
Tgt Ion: 117 Resp: 49277

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

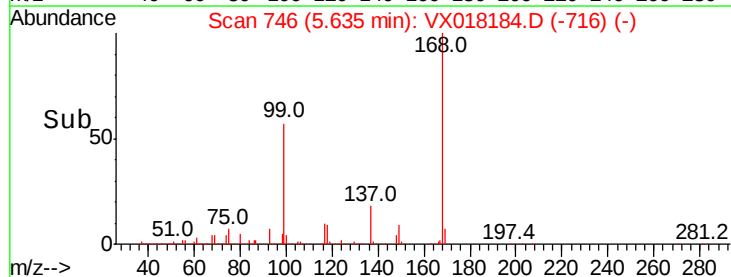
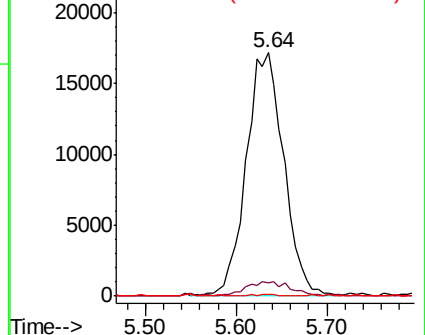
121 0.5 23.4 35.0#

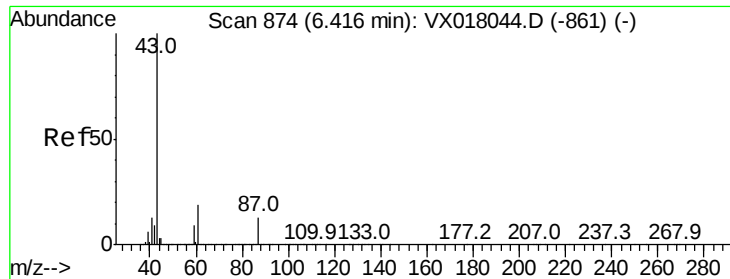


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



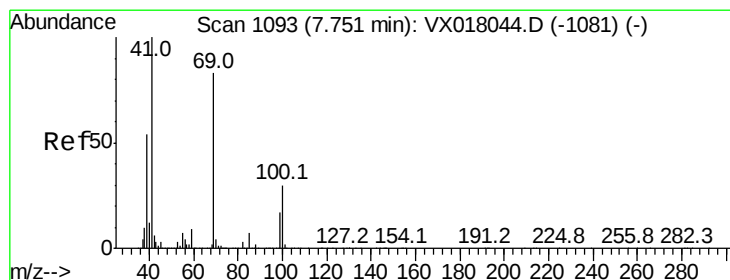
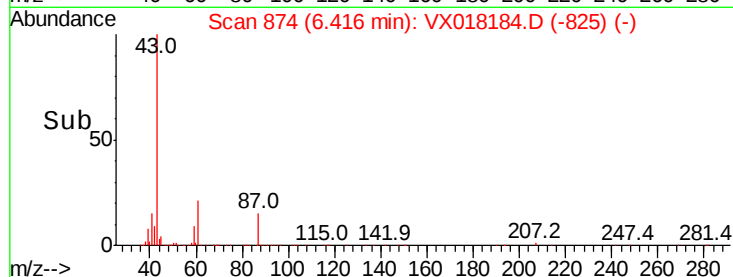
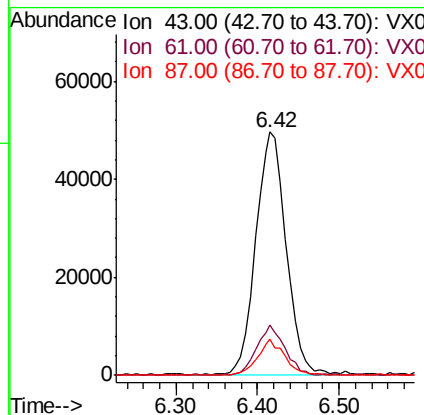
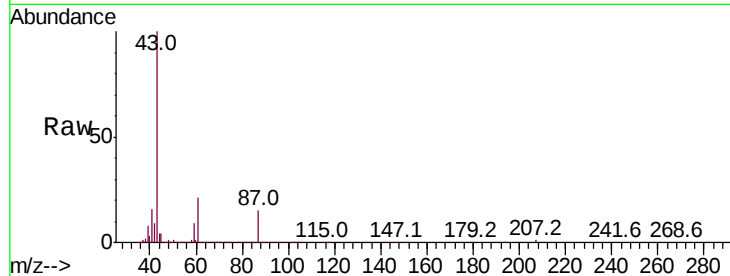


#43

Isopropyl Acetate
 Concen: 9.684 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX018184.D
 Acq: 01 Sep 2020 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314TB

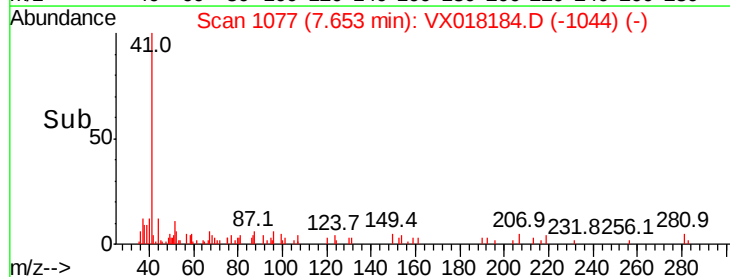
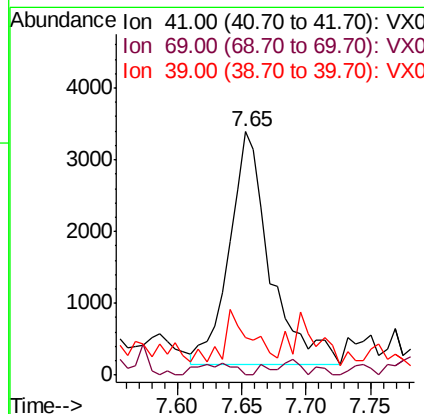
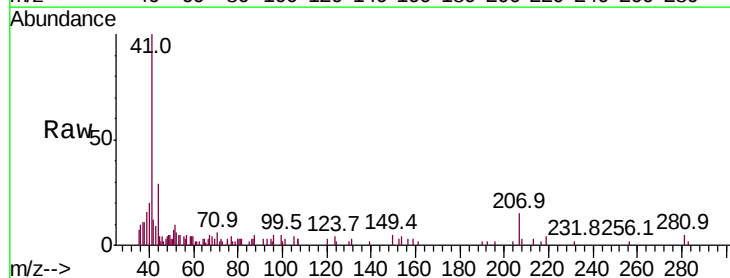
Tot Ion	43	Resp	129607
Ion Ratio	100	Lower	Upper
61	19.3	15.7	23.5
87	13.5	10.3	15.5

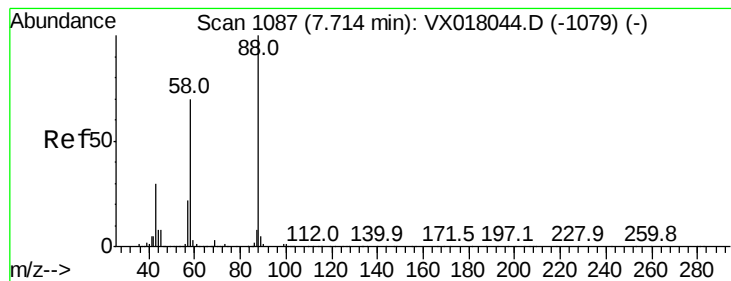


#48

Methyl methacrylate
 Concen: 1.066 ug/l
 RT: 7.65 min Scan# 1077
 Delta R.T. -0.10 min
 Lab File: VX018184.D
 Acq: 01 Sep 2020 12:13

Tgt Ion	41	Resp	7100
Ion Ratio	100	Lower	Upper
69	4.4	65.5	98.3#
39	0.0	44.5	66.7#





#49

1,4-Dioxane

Concen: 2.353 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018184.D

Acq: 01 Sep 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

PB131314TB

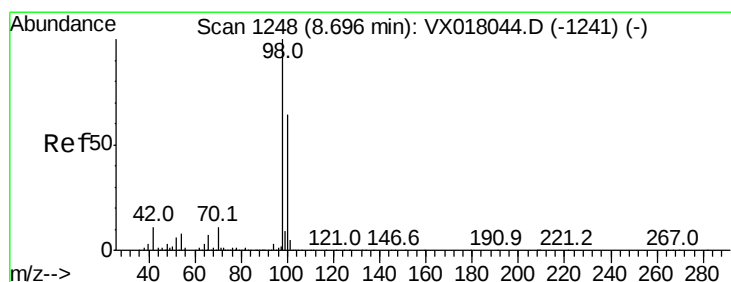
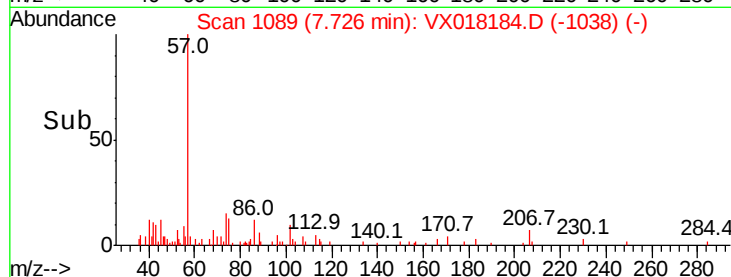
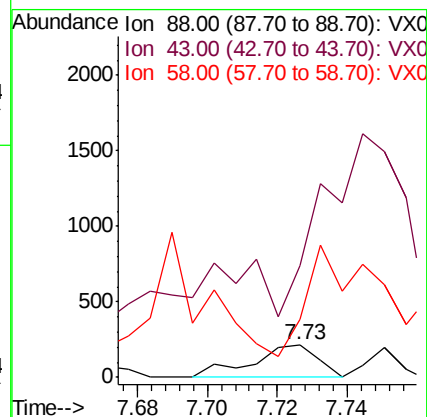
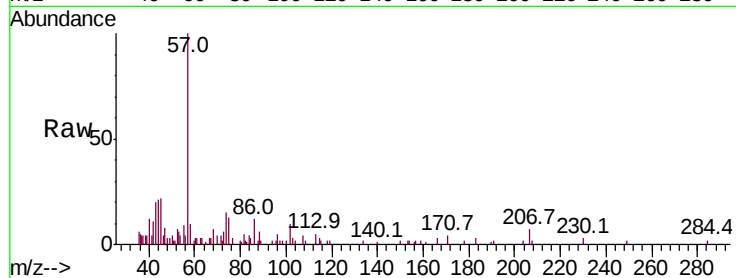
Tot Ion: 88 Resp: 284

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 439.1 56.4 84.6#



#50

Toluene-d8

Concen: 49.170 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018184.D

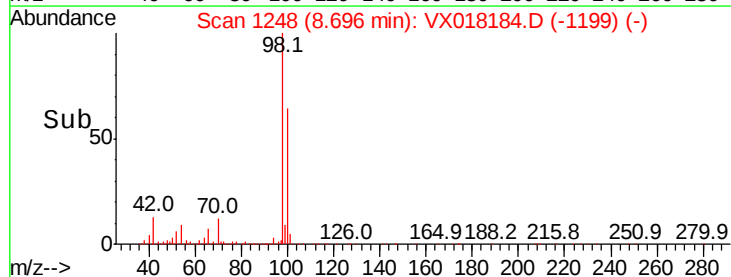
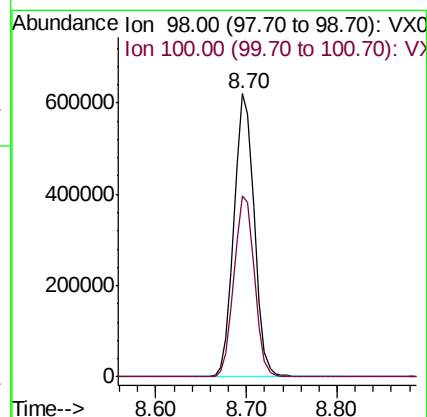
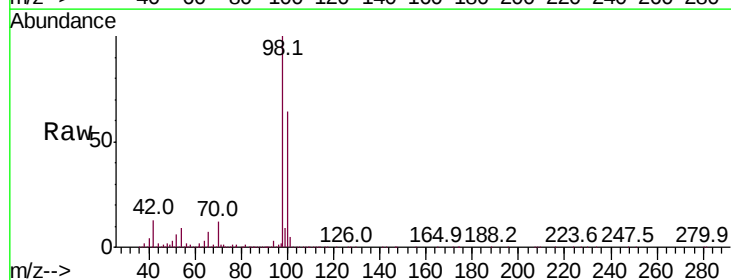
Acq: 01 Sep 2020 12:13

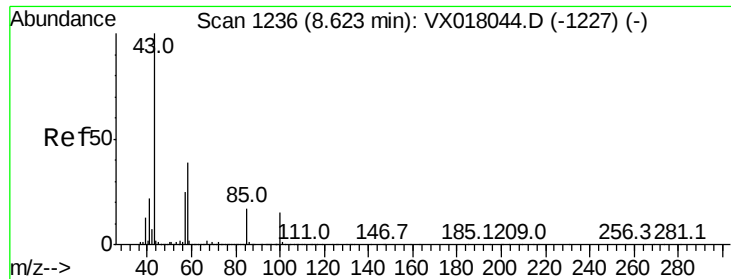
Tgt Ion: 98 Resp: 964780

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.4

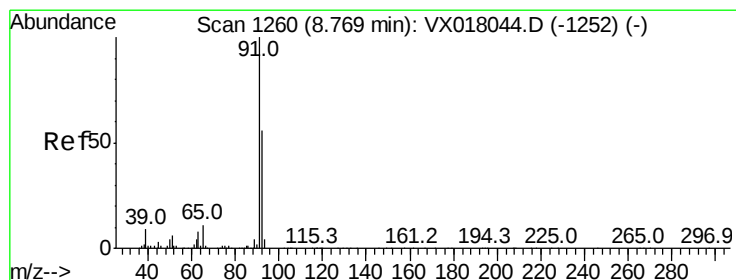
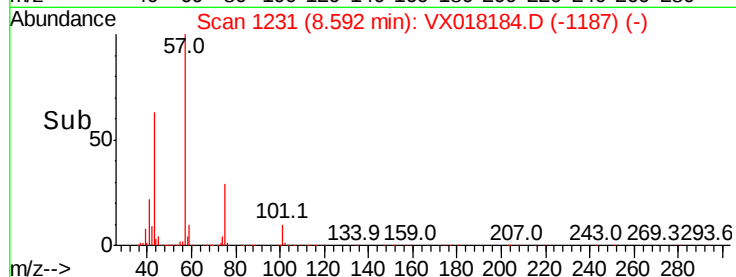
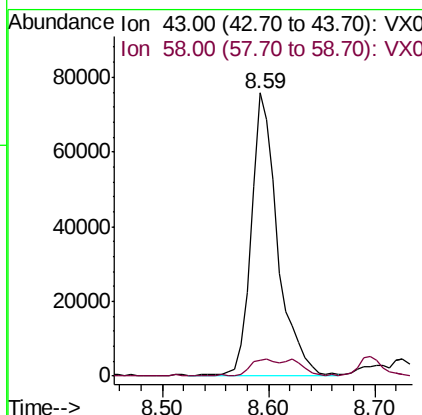
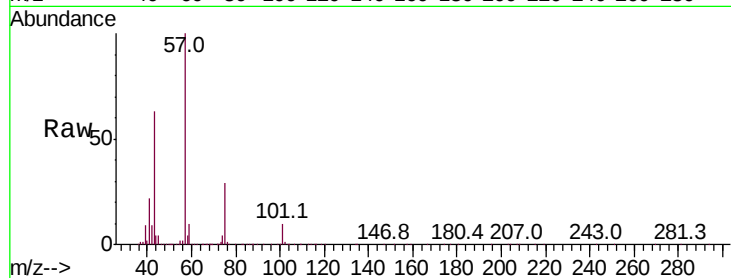




#51
 4-Methyl-2-Pentanone
 Concen: 15.814 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. -0.03 min
 Lab File: VX018184.D
 Acq: 01 Sep 2020 12:13

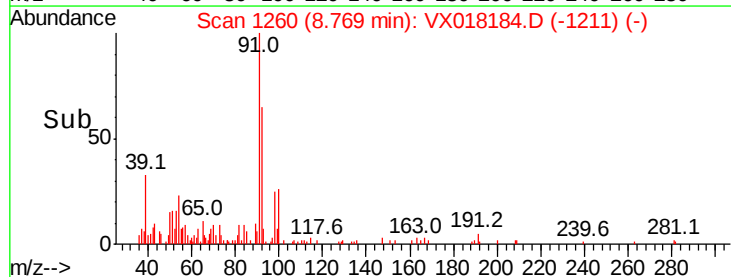
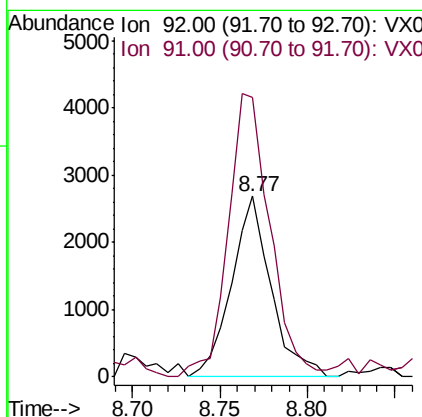
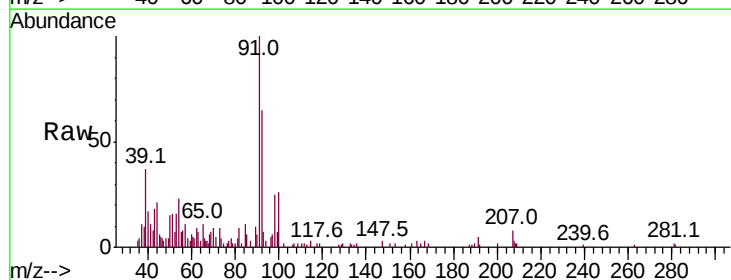
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314TB

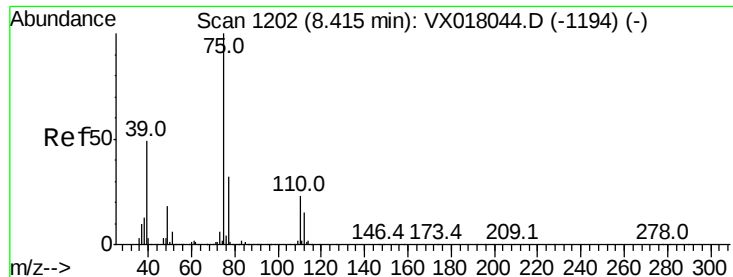
Tot Ion: 43 Resp: 130738
 Ion Ratio Lower Upper
 43 100
 58 6.0 30.7 46.1#



#52
 Toluene
 Concen: 0.318 ug/l
 RT: 8.77 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VX018184.D
 Acq: 01 Sep 2020 12:13

Tgt Ion: 92 Resp: 4233
 Ion Ratio Lower Upper
 92 100
 91 165.2 140.3 210.5





#54

cis-1,3-Dichloropropene

Concen: 5.734 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018184.D

Acq: 01 Sep 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

PB131314TB

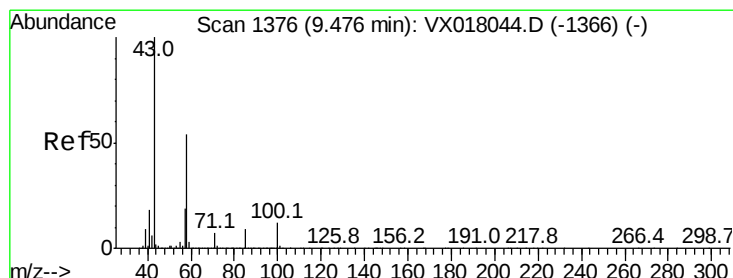
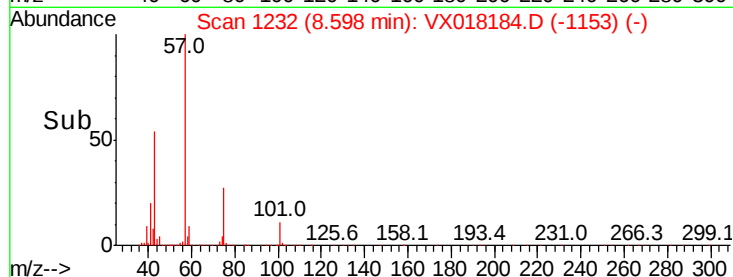
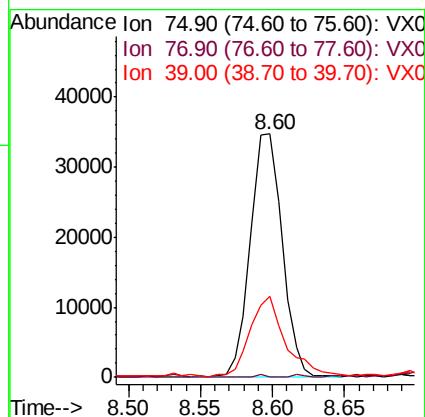
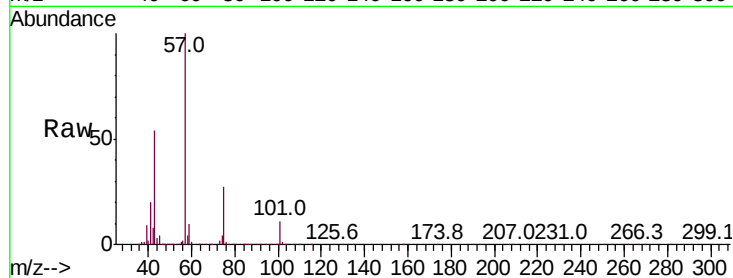
Tot Ion: 75 Resp: 53413

Ion Ratio Lower Upper

75 100

77 0.3 25.8 38.8#

39 32.2 38.8 58.2#



#59

2-Hexanone

Concen: 19.287 ug/l

RT: 9.42 min Scan# 1367

Delta R.T. -0.05 min

Lab File: VX018184.D

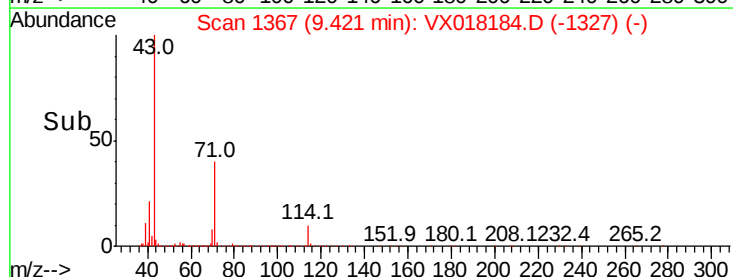
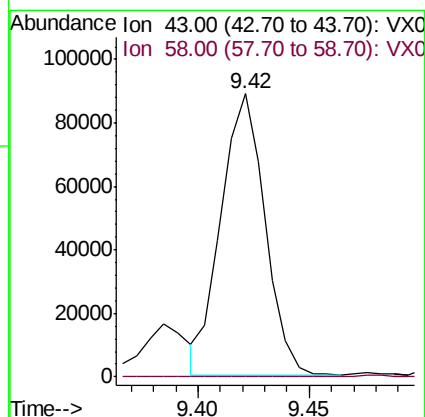
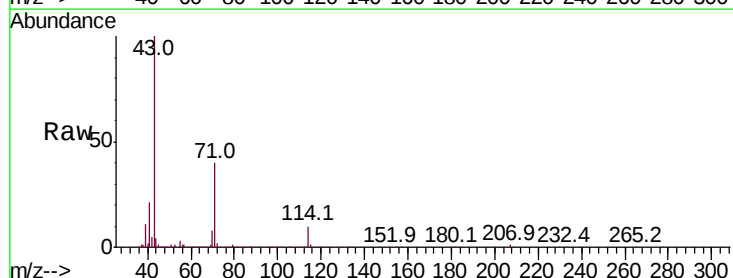
Acq: 01 Sep 2020 12:13

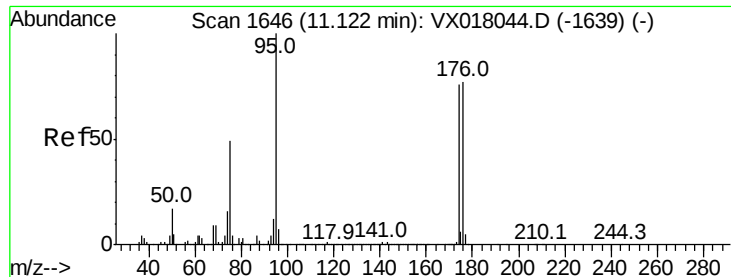
Tgt Ion: 43 Resp: 121244

Ion Ratio Lower Upper

43 100

58 0.0 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 47.227 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018184.D

Acq: 01 Sep 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

PB131314TB

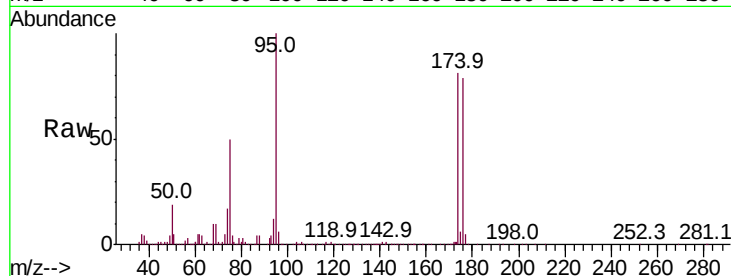
Tot Ion: 95 Resp: 364580

Ion Ratio Lower Upper

95 100

174 80.8 0.0 160.2

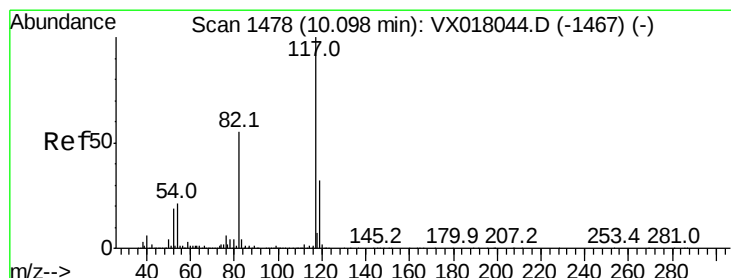
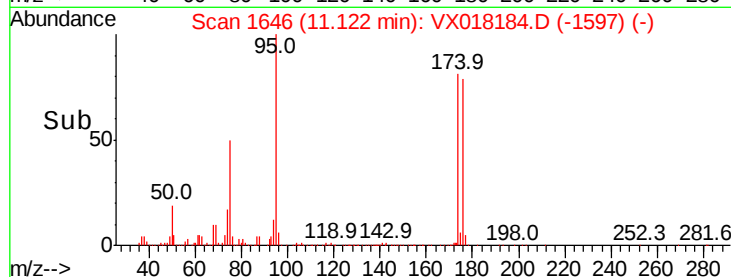
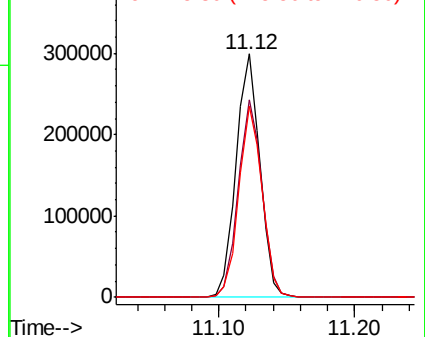
176 77.1 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018184.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018184.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018184.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018184.D

Acq: 01 Sep 2020 12:13

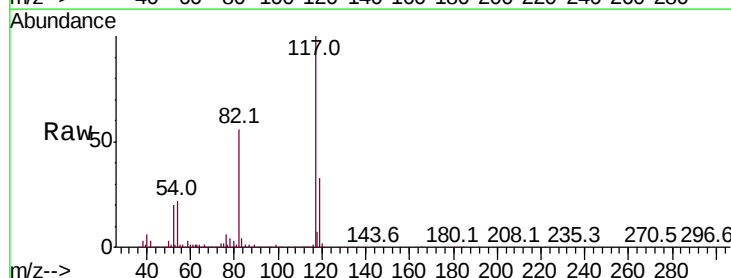
Tgt Ion: 117 Resp: 751516

Ion Ratio Lower Upper

117 100

82 55.9 44.2 66.2

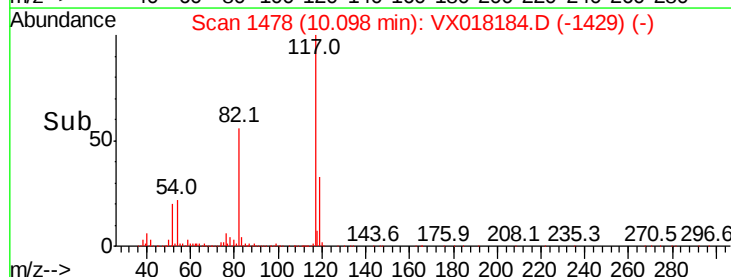
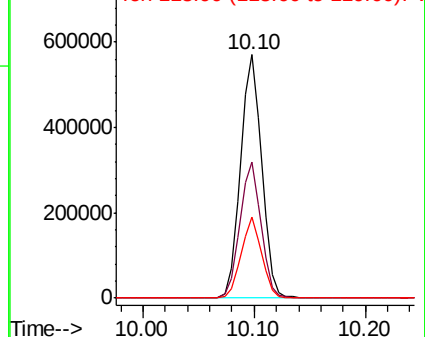
119 33.1 25.7 38.5

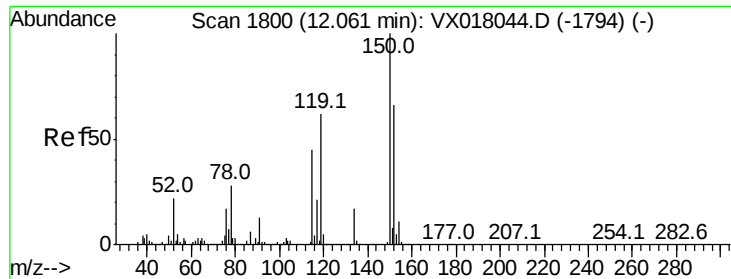


Abundance Ion 116.90 (116.60 to 117.60): VX018184.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018184.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018184.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018184.D

Acq: 01 Sep 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

PB131314TB

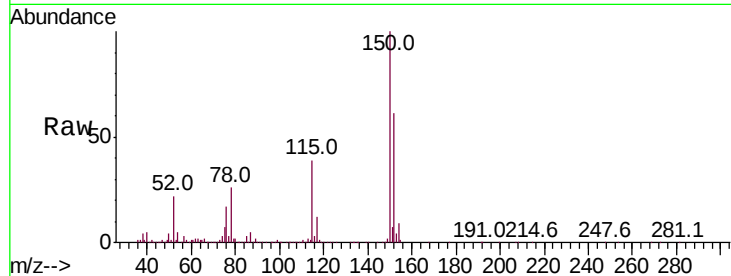
Tot Ion:152 Resp: 359153

Ion Ratio Lower Upper

152 100

115 60.3 41.5 124.5

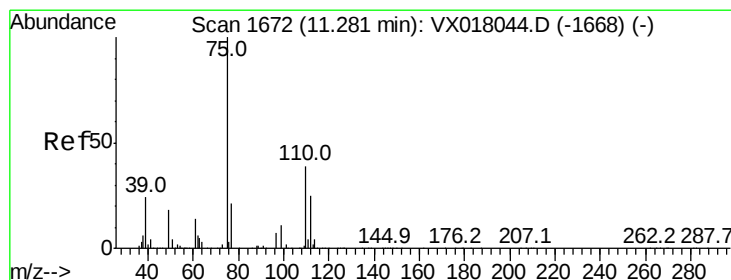
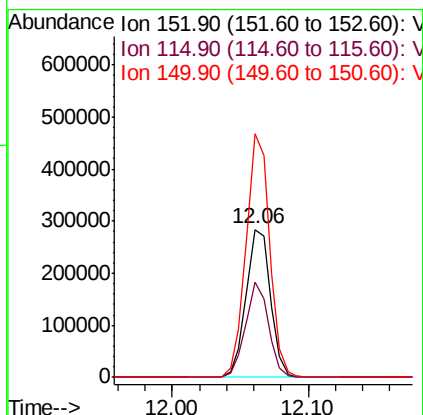
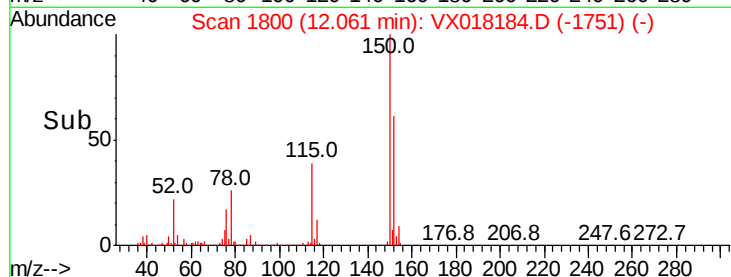
150 158.7 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.210 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018184.D

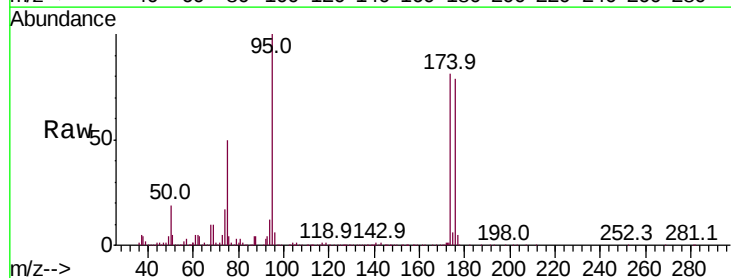
Acq: 01 Sep 2020 12:13

Tgt Ion: 75 Resp: 185440

Ion Ratio Lower Upper

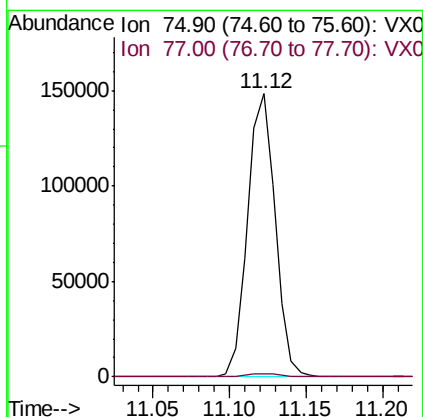
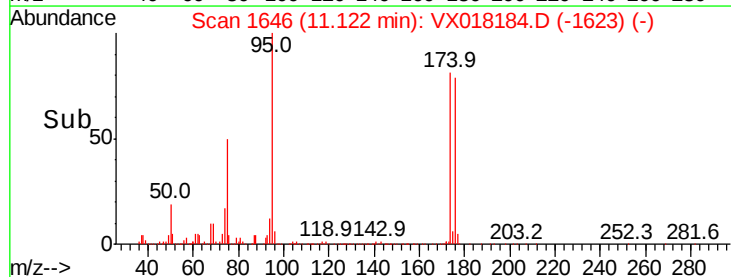
75 100

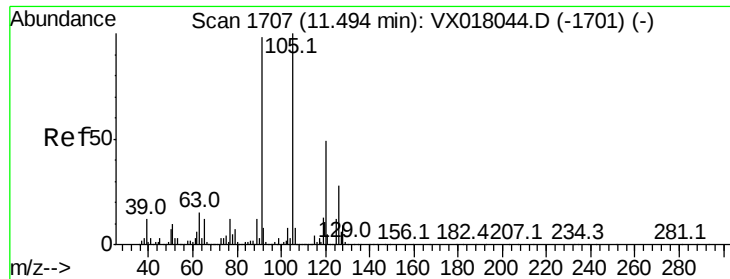
77 1.5 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

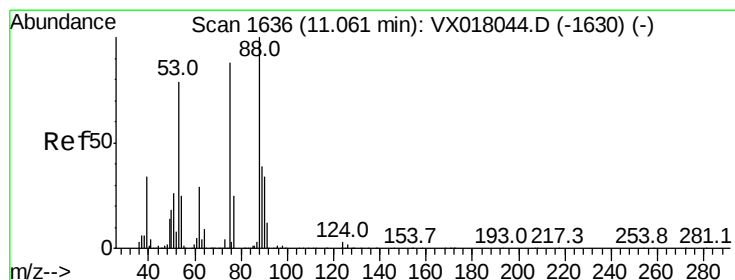
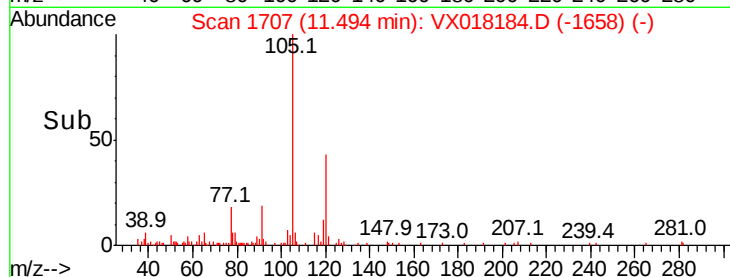
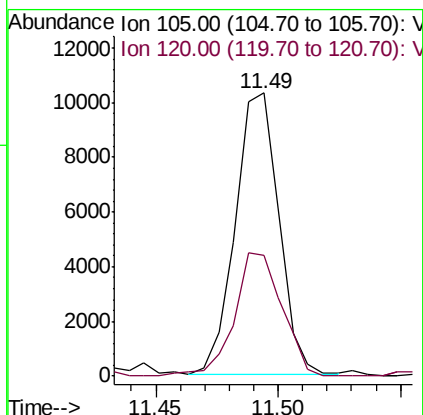
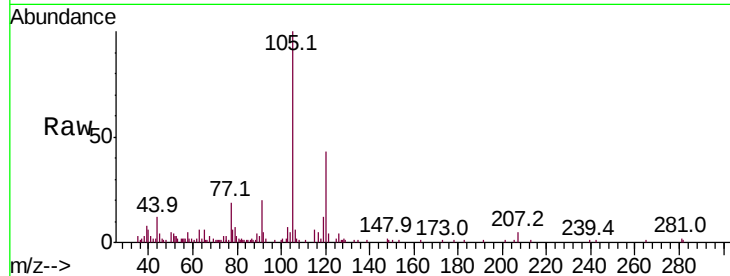




#80
 1,3,5-Trimethylbenzene
 Concen: 0.657 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX018184.D
 Acq: 01 Sep 2020 12:13

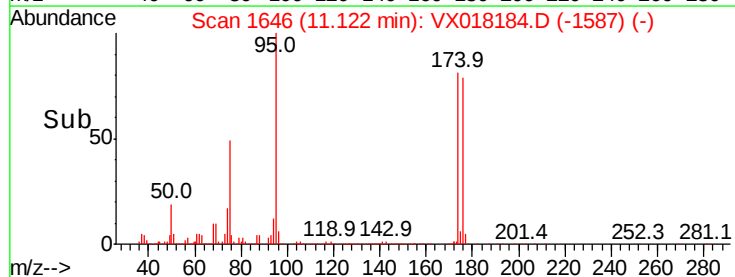
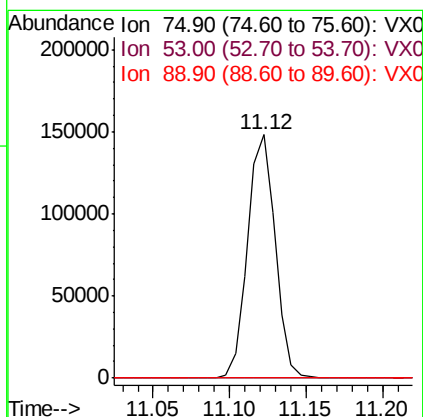
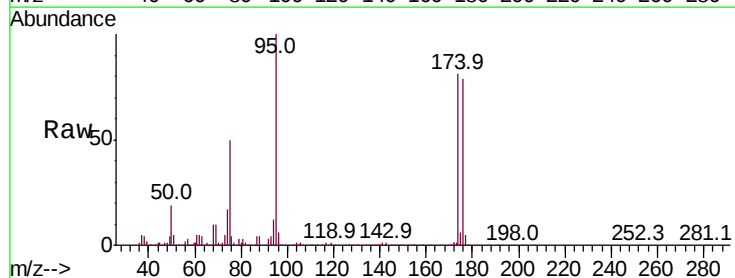
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314TB

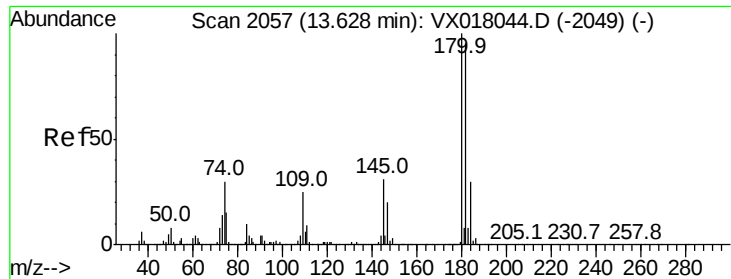
Tot Ion:105 Resp: 12791
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.688 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018184.D
 Acq: 01 Sep 2020 12:13

Tgt Ion: 75 Resp: 185440
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.7 112.1#
 89 0.1 36.6 54.8#

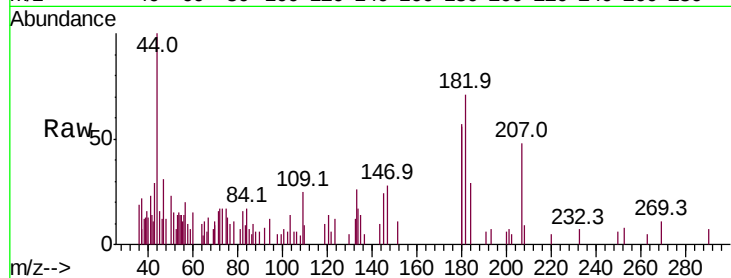




#93
 1,2,4-Trichlorobenzene
 Concen: 0.227 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX018184.D
 Acq: 01 Sep 2020 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314TB

Tot Ion:180 Resp: 1639
 Ion Ratio Lower Upper
 180 100
 182 79.1 47.5 142.6
 145 29.8 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

