

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091520\
 Data File : VX018411.D
 Acq On : 15 Sep 2020 16:54
 Operator : JC/SP
 Sample : PB131607ZHE#02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#02

Quant Time: Sep 16 03:37:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	446081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	713180	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	699370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	340047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	321590	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	5.46	113	249663	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
50) Toluene-d8	8.70	98	906584	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	11.12	95	338957	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	

Target Compounds

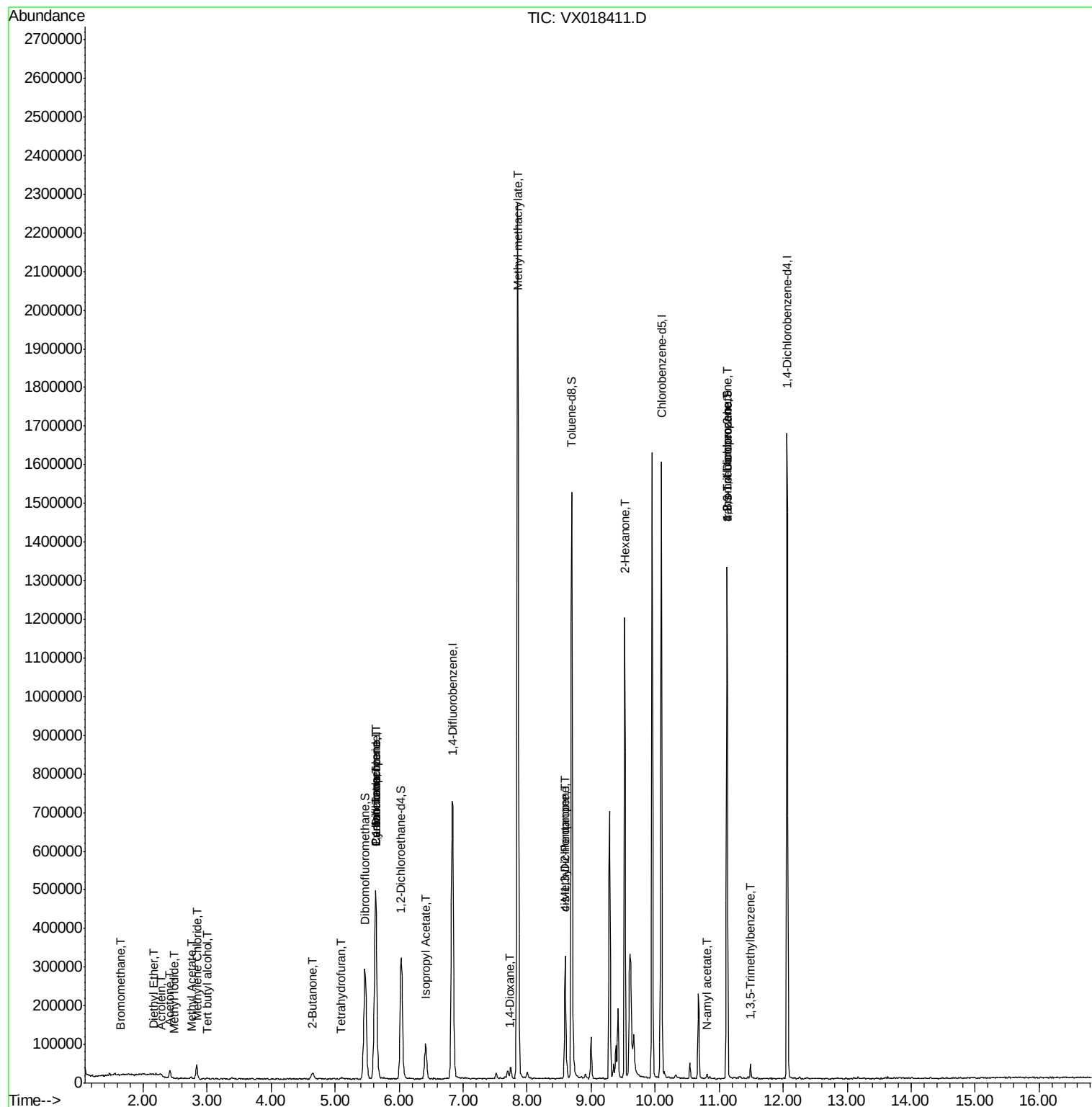
						Qvalue
5) Bromomethane	1.65	94	745	0.271	ug/l #	54
8) Diethyl Ether	2.16	74	1147	0.435	ug/l	65
10) Methyl Iodide	2.50	142	644	5.415	ug/l #	42
11) Tert butyl alcohol	3.01	59	1579	1.311	ug/l #	87
13) Acrolein	2.29	56	463	0.927	ug/l	96
16) Acetone	2.42	43	21886	9.070	ug/l	91
18) Methyl Acetate	2.75	43	7366	1.265	ug/l #	80
20) Methylene Chloride	2.84	84	16115	2.148	ug/l	98
25) 2-Butanone	4.65	43	7743	1.952	ug/l	93
29) Tetrahydrofuran	5.09	42	1165	0.461	ug/l #	49
31) Cyclohexane	5.63	56	9603	1.296	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	33189	5.045	ug/l #	53
38) Carbon Tetrachloride	5.63	117	46277	6.243	ug/l #	17
43) Isopropyl Acetate	6.42	43	121477	9.844	ug/l	98
48) Methyl methacrylate	7.85	41	202009	32.885	ug/l #	44
49) 1,4-Dioxane	7.73	88	112	1.007	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	119874	15.726	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	51261	5.969	ug/l #	60
59) 2-Hexanone	9.52	43	131874	22.752	ug/l #	51
74) N-amyl acetate	10.81	43	4896	0.460	ug/l #	56
76) 1,2,3-Trichloropropane	11.12	75	173786	22.974	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	15464	0.839	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	173786	62.049	ug/l #	12

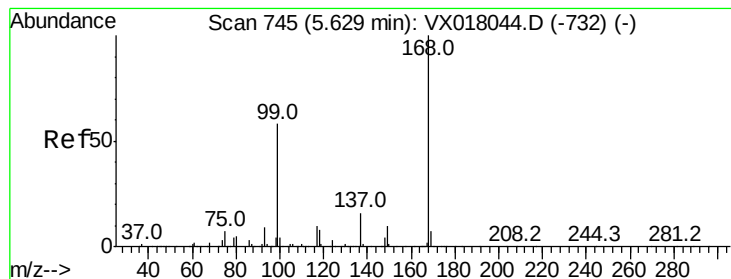
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091520\
Data File : VX018411.D
Acq On : 15 Sep 2020 16:54
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Sample : PB131607ZHE#02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId :
PB131607ZHE#02

Quant Time: Sep 16 03:37:38 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: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018411.D

Acq: 15 Sep 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

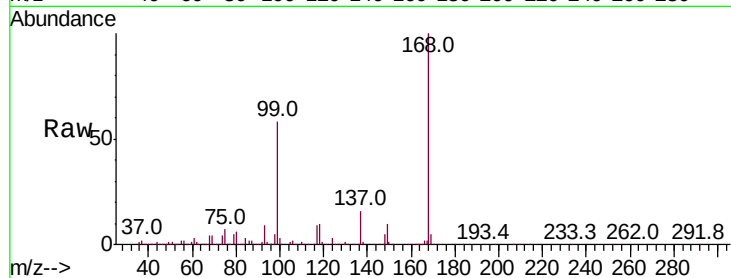
PB131607ZHE#02

Tot Ion:168 Resp: 446081

Ion Ratio Lower Upper

168 100

99 58.0 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VX018044.D (-732) (-)

Ion 98.90 (98.60 to 99.60): VX018044.D (-732) (-)

5.63

150000

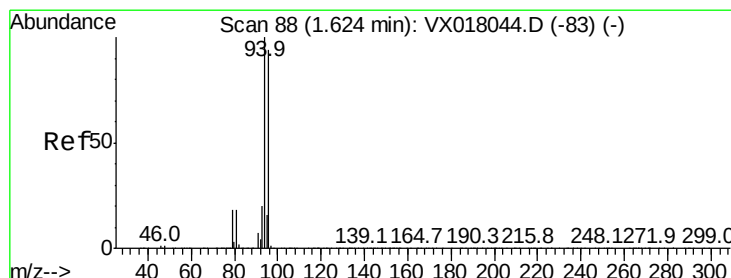
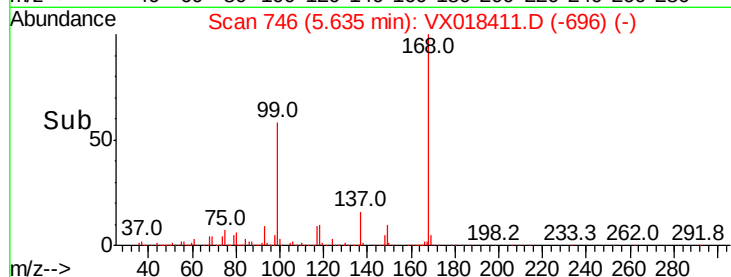
100000

50000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.271 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018411.D

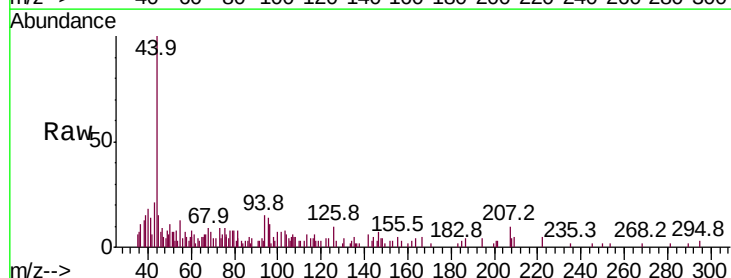
Acq: 15 Sep 2020 16:54

Tgt Ion: 94 Resp: 745

Ion Ratio Lower Upper

94 100

96 138.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX018044.D (-83) (-)

Ion 95.90 (95.60 to 96.60): VX018044.D (-83) (-)

1.65

600

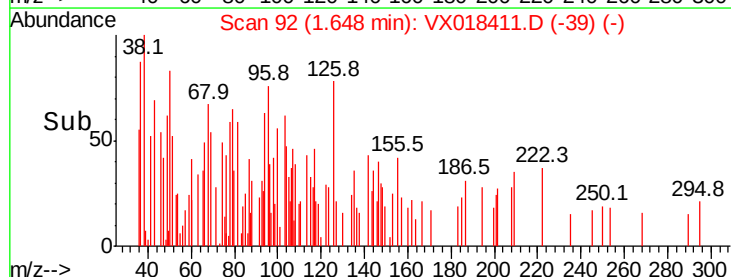
400

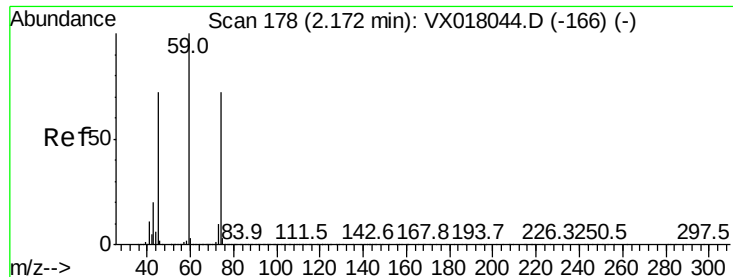
200

0

Time-->

1.60 1.65 1.70





#8

Diethyl Ether

Concen: 0.435 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX018411.D

Acq: 15 Sep 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

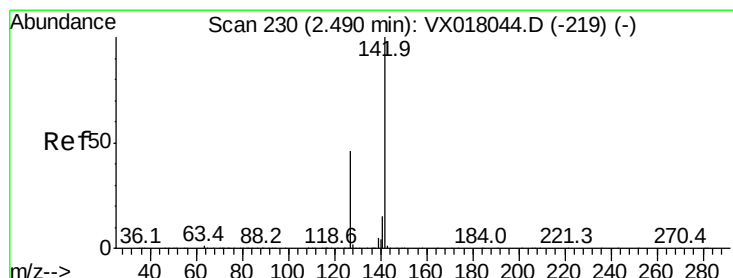
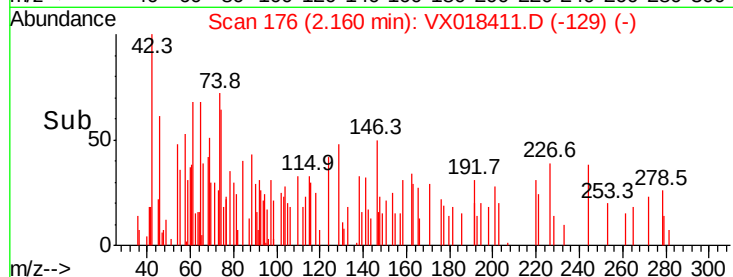
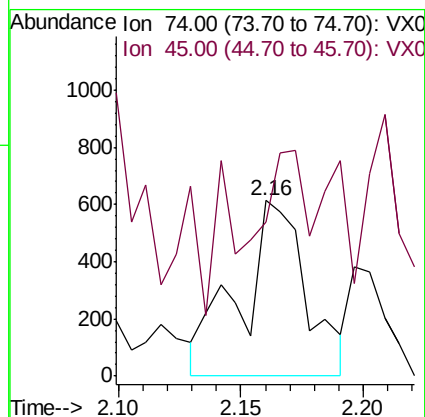
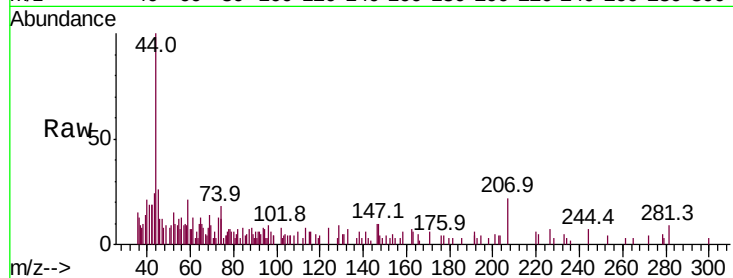
PB131607ZHE#02

Tot Ion: 74 Resp: 1147

Ion Ratio Lower Upper

74 100

45 65.9 50.7 152.3



#10

Methyl Iodide

Concen: 5.415 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018411.D

Acq: 15 Sep 2020 16:54

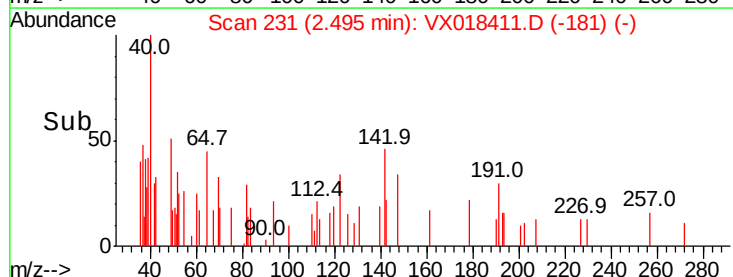
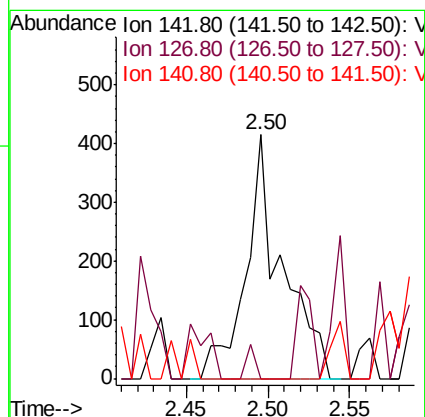
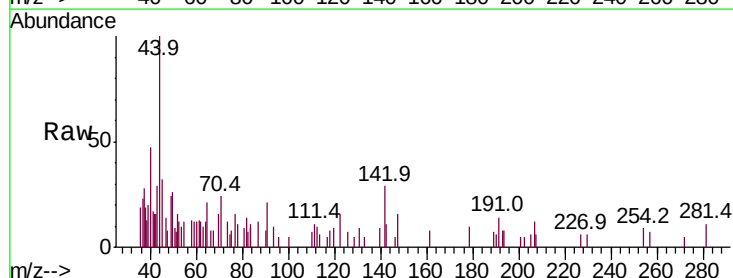
Tgt Ion: 142 Resp: 644

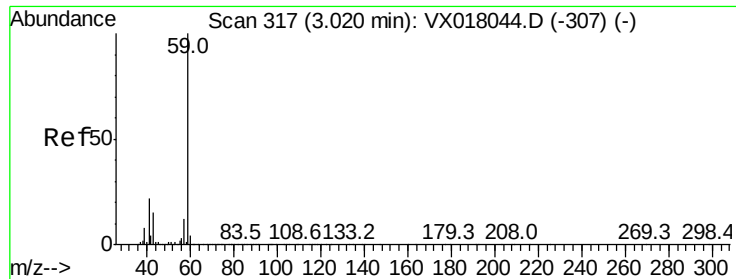
Ion Ratio Lower Upper

142 100

127 3.3 37.0 55.6#

141 0.0 11.5 17.3#



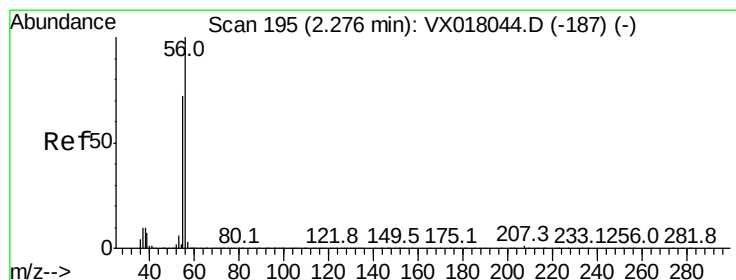
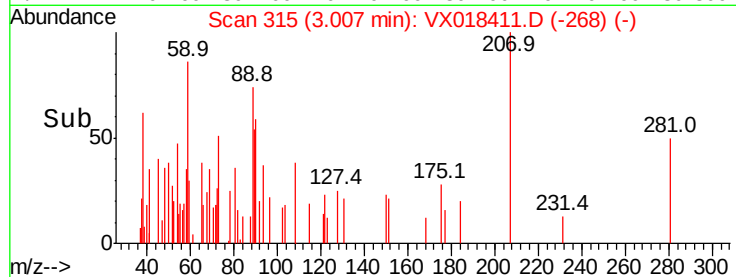
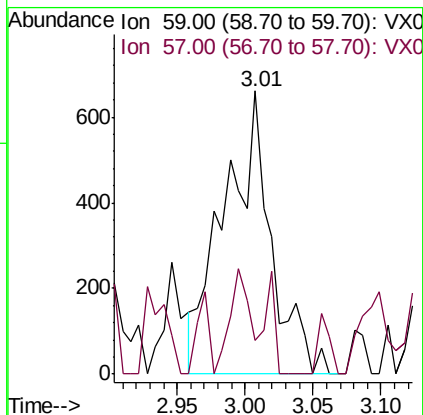
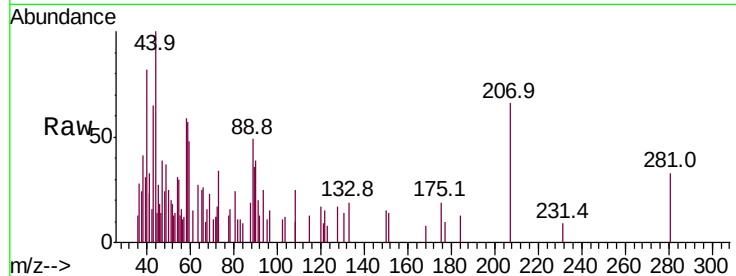


#11

Tert butyl alcohol
 Concen: 1.311 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX018411.D
 Acq: 15 Sep 2020 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#02

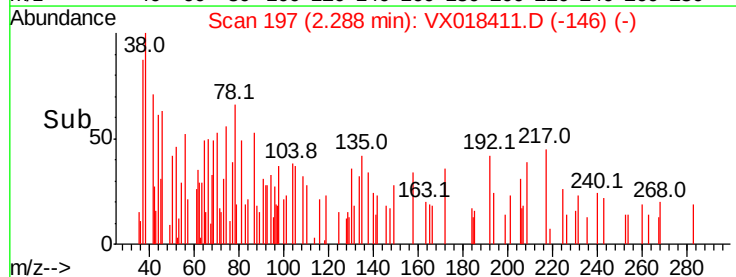
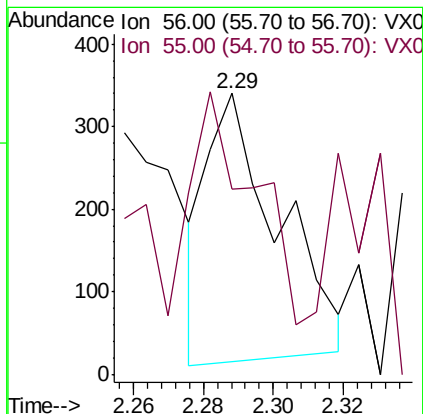
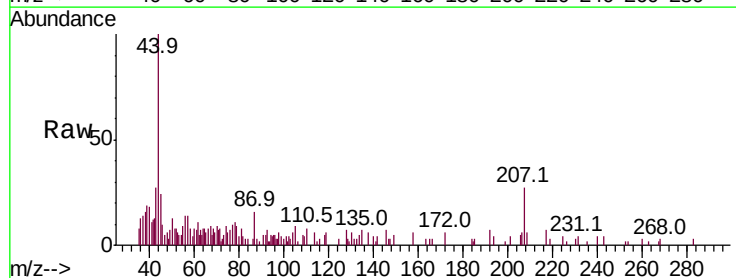
Tot Ion: 59 Resp: 1579
 Ion Ratio Lower Upper
 59 100
 57 15.9 8.9 13.3#

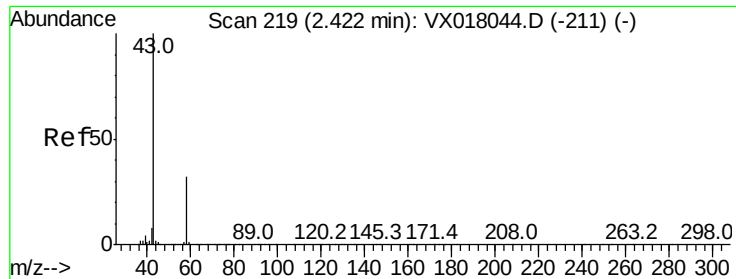


#13

Acrolein
 Concen: 0.927 ug/l
 RT: 2.29 min Scan# 197
 Delta R.T. 0.01 min
 Lab File: VX018411.D
 Acq: 15 Sep 2020 16:54

Tgt Ion: 56 Resp: 463
 Ion Ratio Lower Upper
 56 100
 55 74.5 57.0 85.6

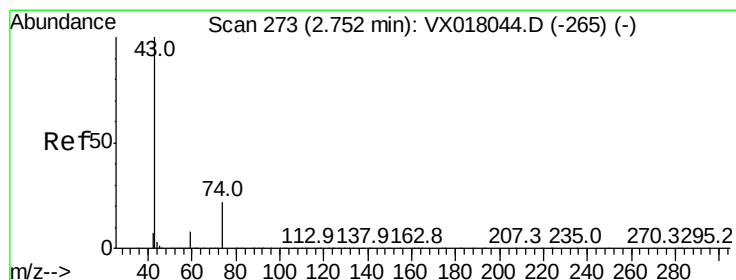
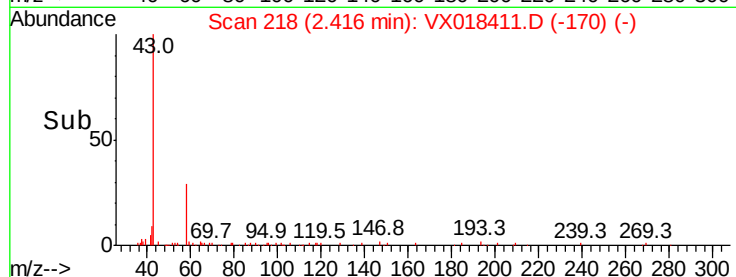
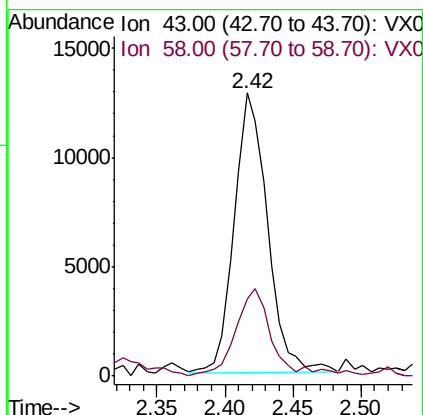
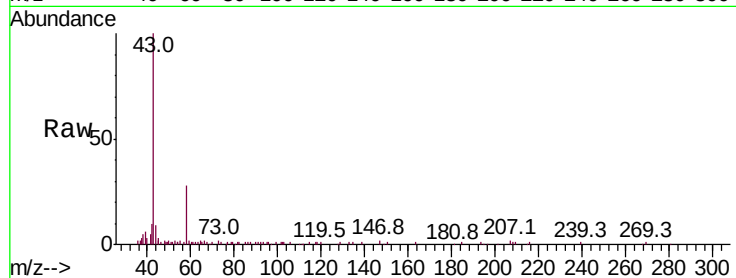




#16
Acetone
Concen: 9.070 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018411.D
Acq: 15 Sep 2020 16:54

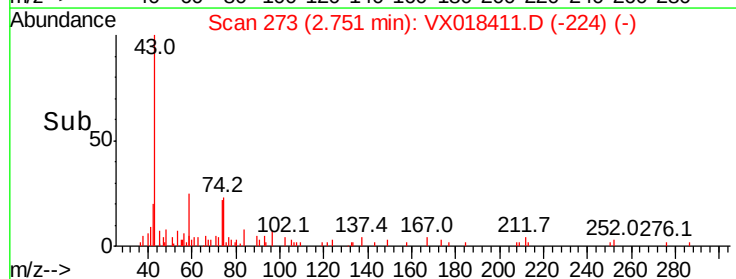
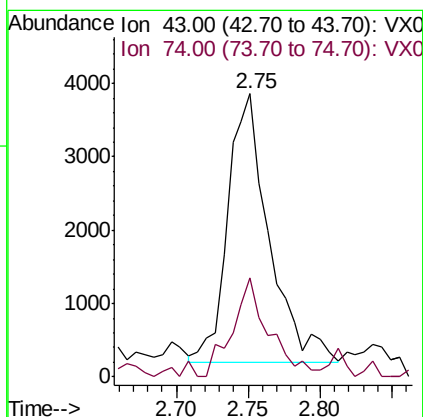
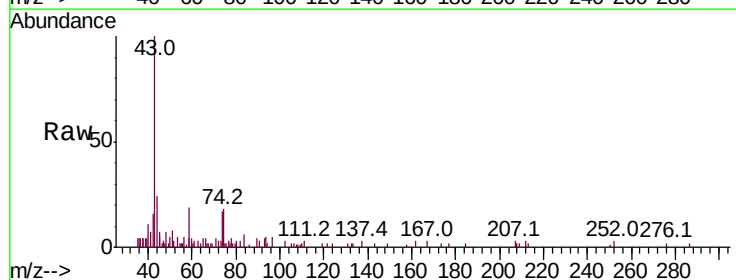
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#02

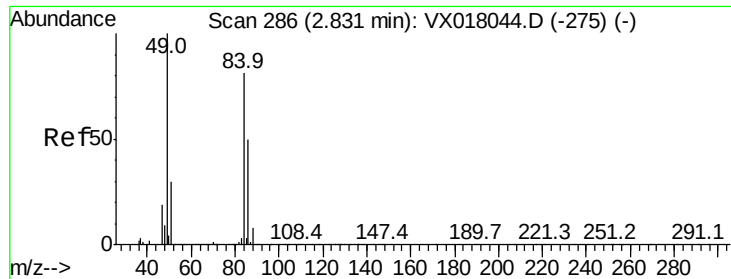
Tot Ion: 43 Resp: 21886
Ion Ratio Lower Upper
43 100
58 26.9 25.5 38.3



#18
Methyl Acetate
Concen: 1.265 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018411.D
Acq: 15 Sep 2020 16:54

Tgt Ion: 43 Resp: 7366
Ion Ratio Lower Upper
43 100
74 32.6 18.2 27.4#

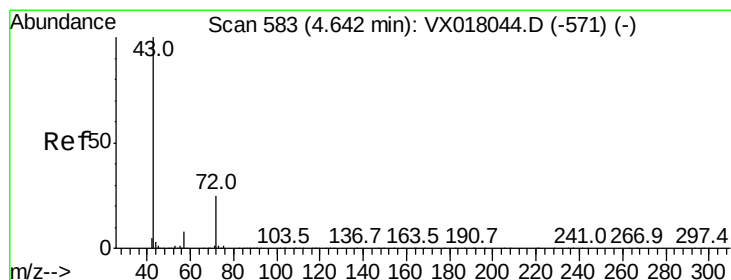
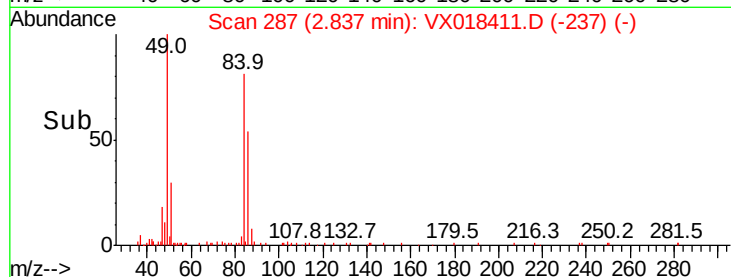
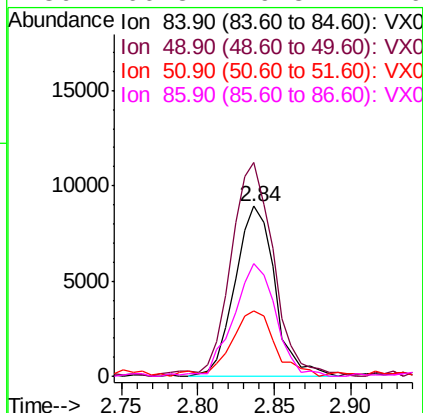
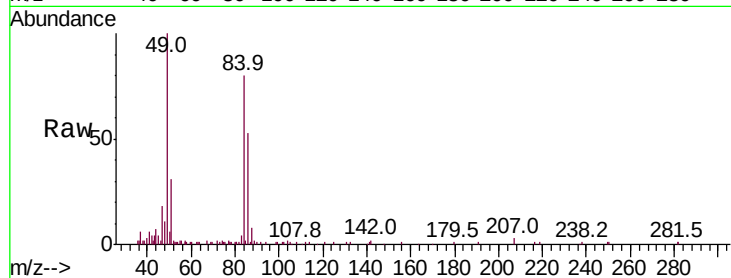




#20
Methylene Chloride
Concen: 2.148 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018411.D
Acq: 15 Sep 2020 16:54

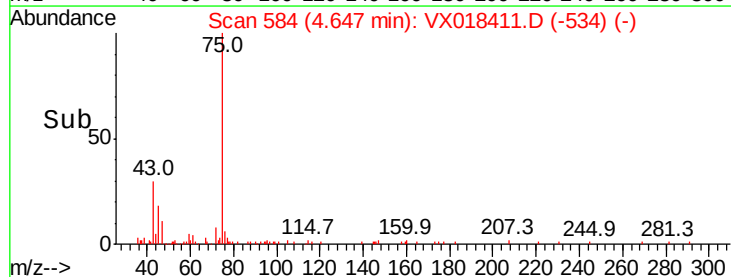
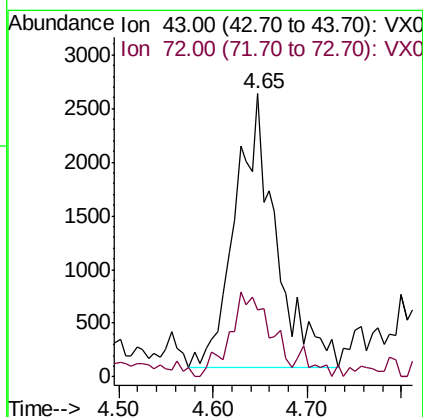
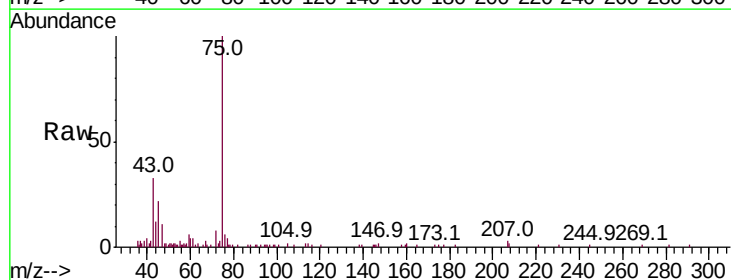
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#02

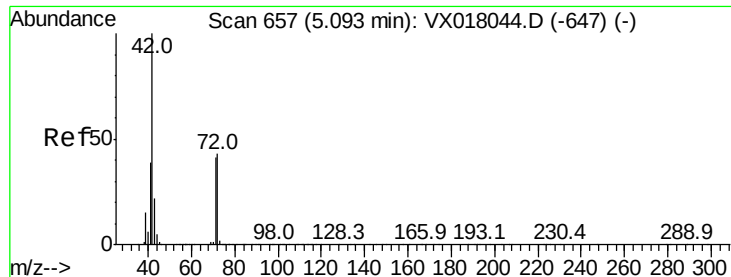
Tot Ion:	84	Resp:	16115
Ion	Ratio	Lower	Upper
84	100		
49	122.7	98.6	148.0
51	36.1	29.6	44.4
86	66.3	49.8	74.6



#25
2-Butanone
Concen: 1.952 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018411.D
Acq: 15 Sep 2020 16:54

Tgt Ion:	43	Resp:	7743
Ion	Ratio	Lower	Upper
43	100		
72	21.1	19.8	29.6

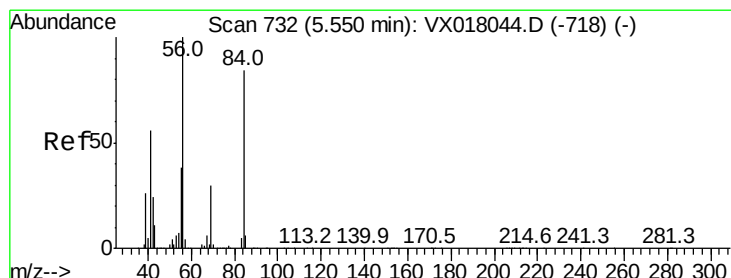
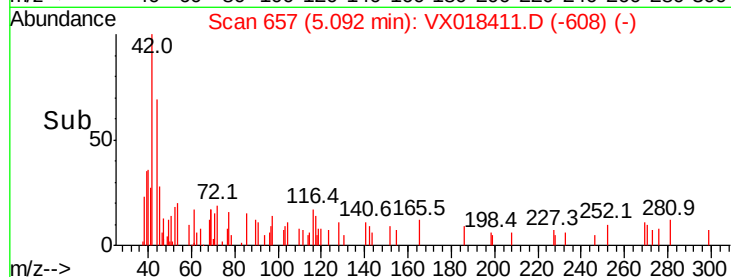
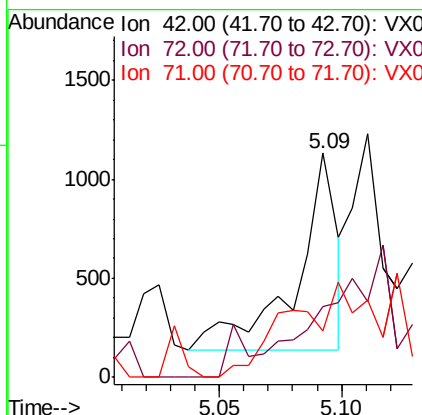
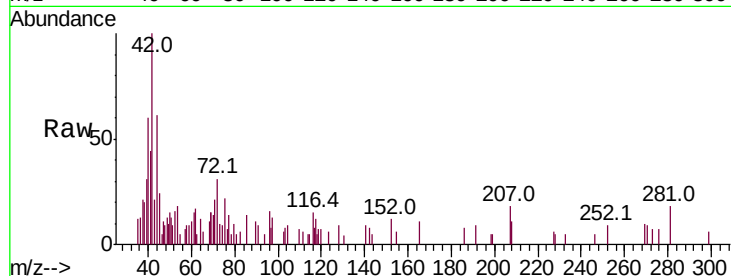




#29
Tetrahydrofuran
Concen: 0.461 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX018411.D
Acq: 15 Sep 2020 16:54

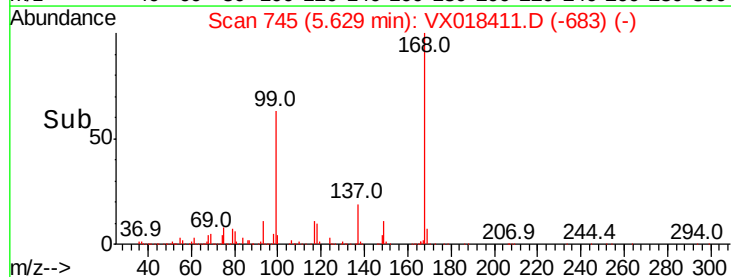
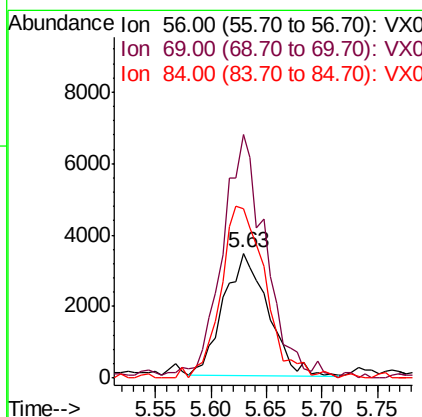
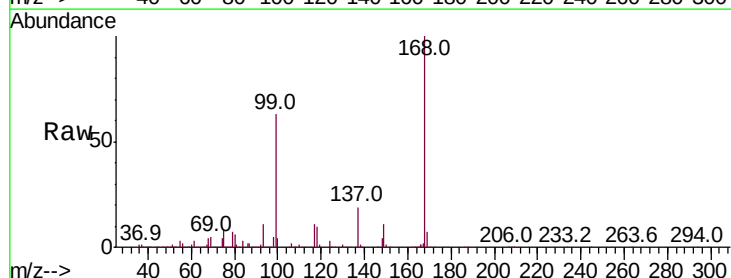
Instrument :
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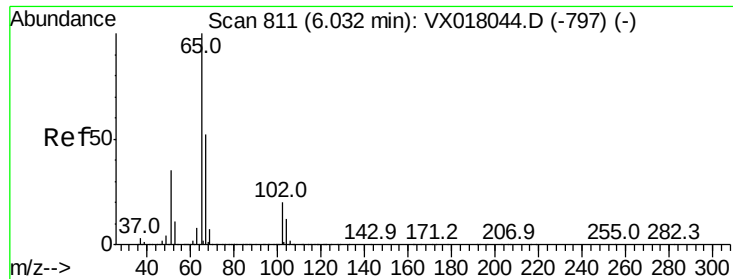
Tot Ion: 42 Resp: 1165
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 19.2 32.1 48.1#



#31
Cyclohexane
Concen: 1.296 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018411.D
Acq: 15 Sep 2020 16:54

Tgt Ion: 56 Resp: 9603
Ion Ratio Lower Upper
56 100
69 199.6 23.9 35.9#
84 139.2 67.0 100.4#

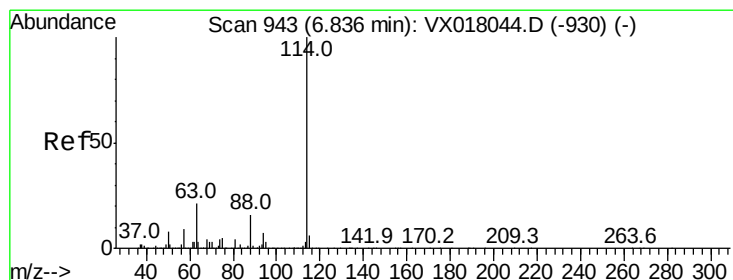
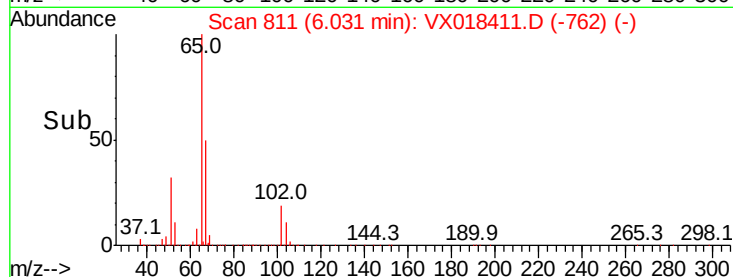
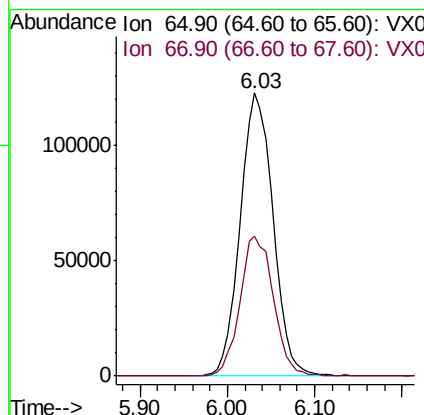
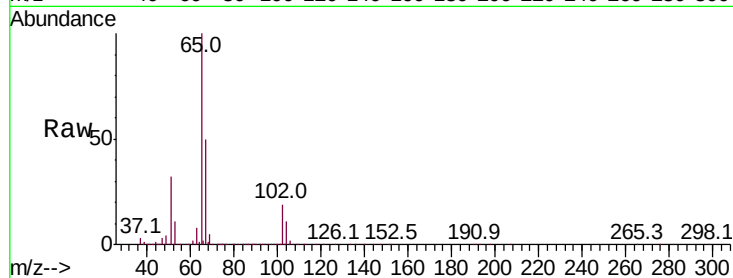




#33
 1,2-Dichloroethane-d4
 Concen: 51.930 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018411.D
 Acq: 15 Sep 2020 16:54

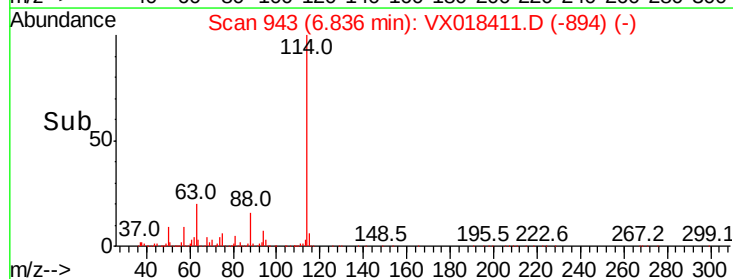
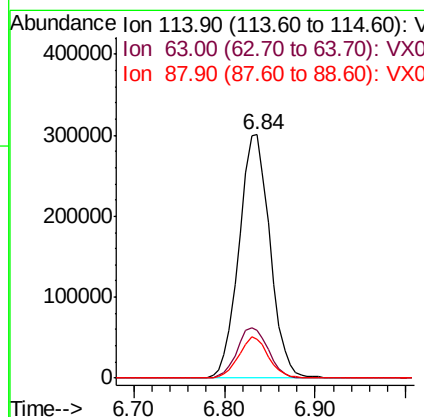
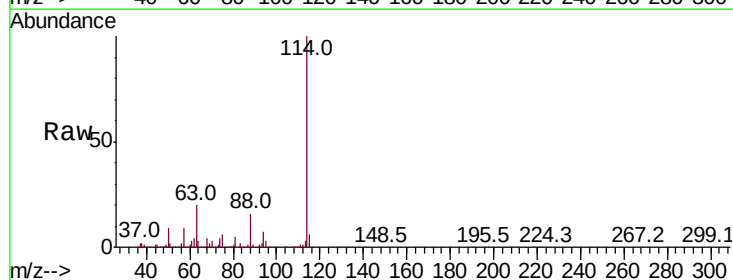
Instrument :
 MSVOA_X
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 PB131607ZHE#02

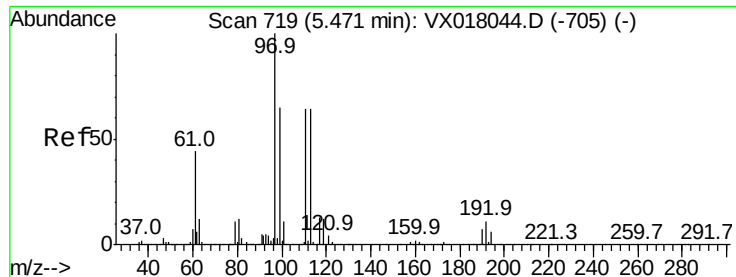
Tot Ion: 65 Resp: 321590
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018411.D
 Acq: 15 Sep 2020 16:54

Tgt Ion: 114 Resp: 713180
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.6
 88 16.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.402 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018411.D

Acq: 15 Sep 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#02

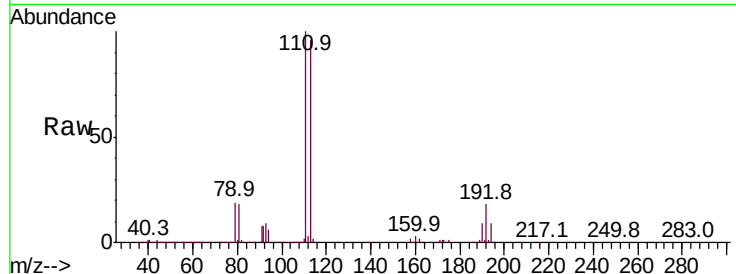
Tot Ion:113 Resp: 249663

Ion Ratio Lower Upper

113 100

111 101.9 81.6 122.4

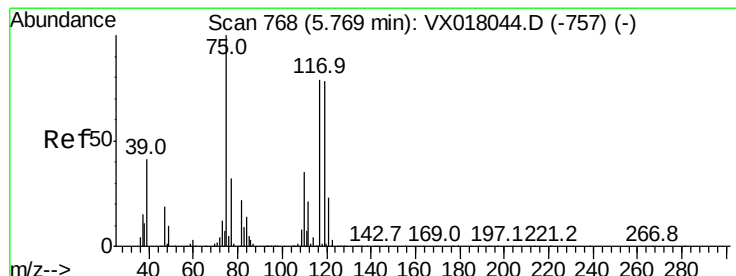
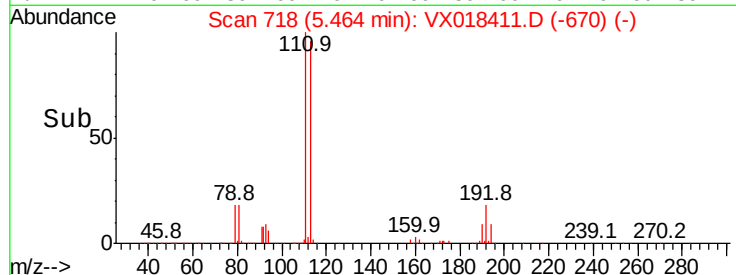
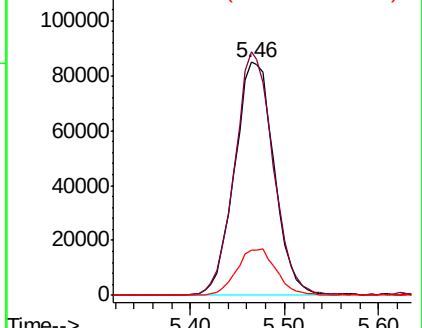
192 19.9 15.8 23.8



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: 5.045 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018411.D

Acq: 15 Sep 2020 16:54

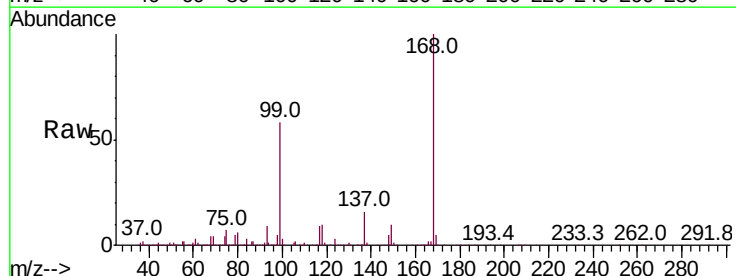
Tgt Ion: 75 Resp: 33189

Ion Ratio Lower Upper

75 100

110 10.9 18.0 54.0#

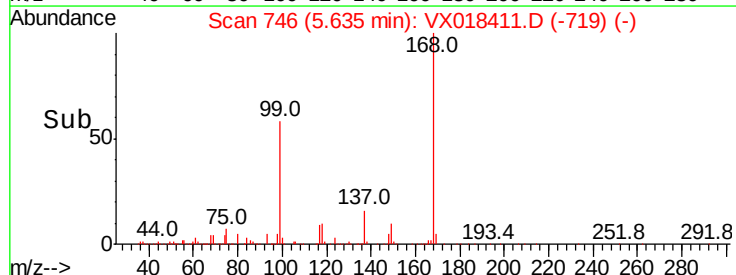
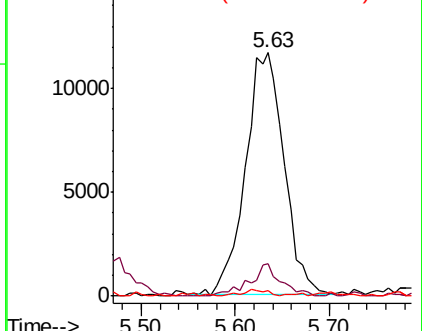
77 1.8 24.4 36.6#

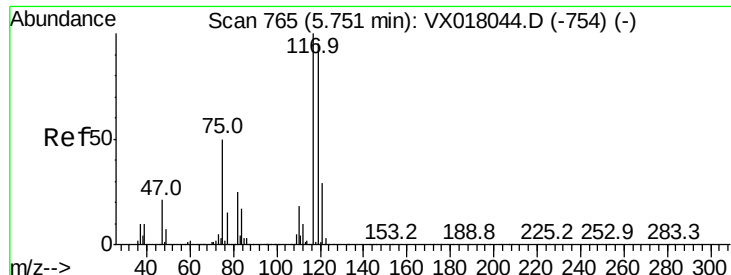


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.243 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018411.D

Acq: 15 Sep 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#02

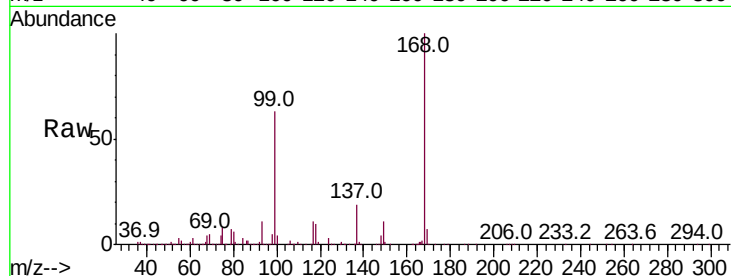
Tot Ion:117 Resp: 46277

Ion Ratio Lower Upper

117 100

119 6.1 75.8 113.6#

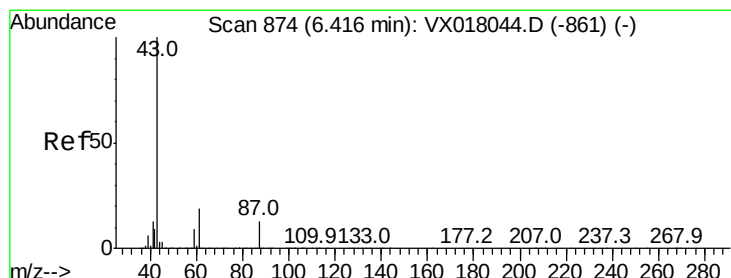
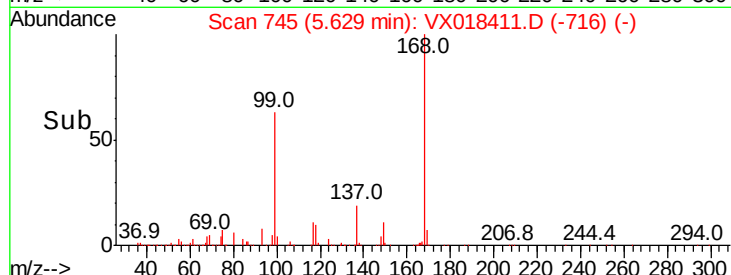
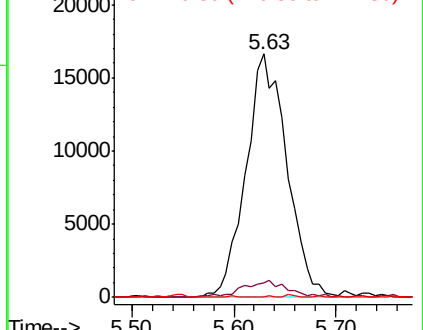
121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.844 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018411.D

Acq: 15 Sep 2020 16:54

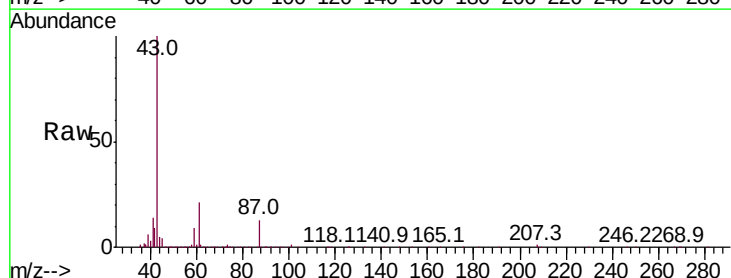
Tgt Ion: 43 Resp: 121477

Ion Ratio Lower Upper

43 100

61 19.2 15.7 23.5

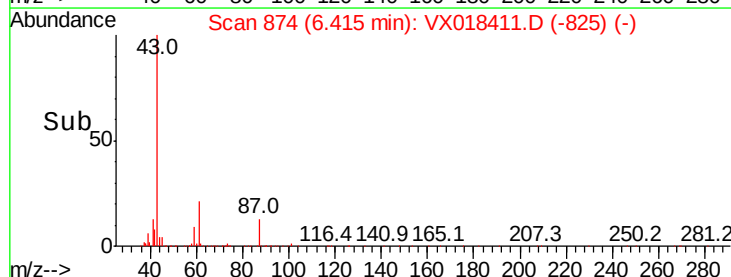
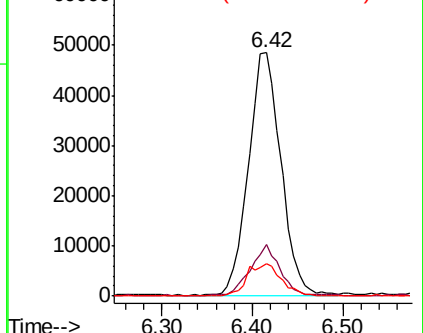
87 14.0 10.3 15.5

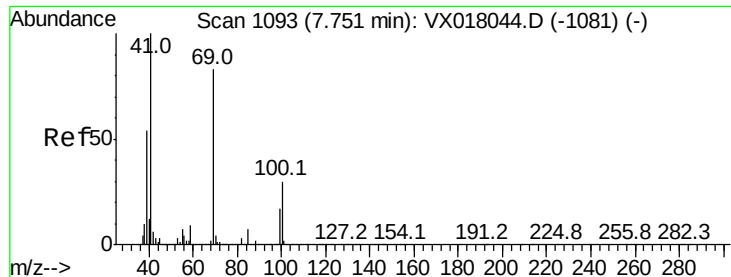


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 32.885 ug/l

RT: 7.85 min Scan# 1110

Delta R.T. 0.10 min

Lab File: VX018411.D

Acq: 15 Sep 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#02

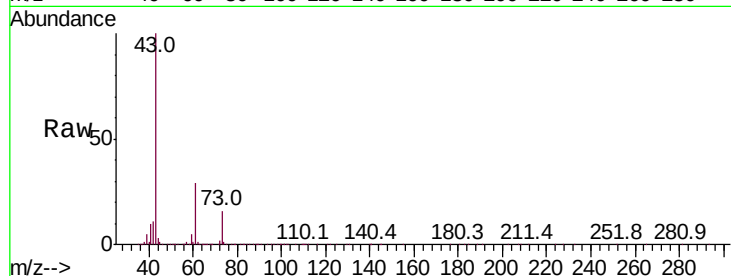
Tot Ion: 41 Resp: 202009

Ion Ratio Lower Upper

41 100

69 0.2 65.5 98.3#

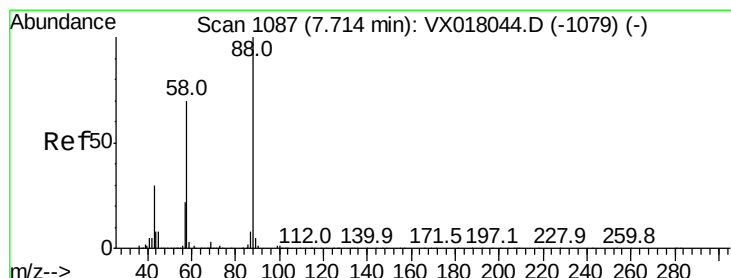
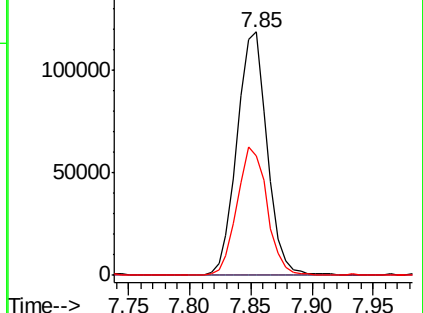
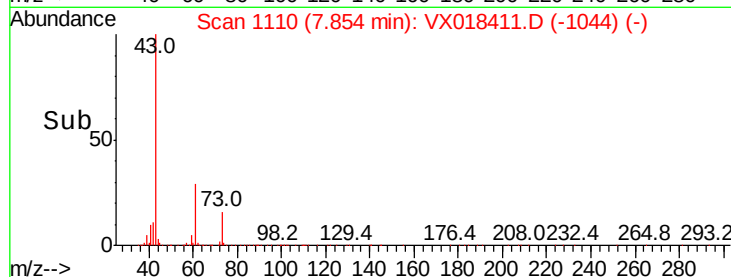
39 53.1 44.5 66.7



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 1.007 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018411.D

Acq: 15 Sep 2020 16:54

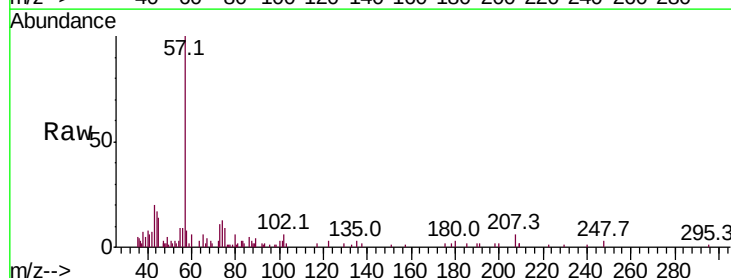
Tgt Ion: 88 Resp: 112

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

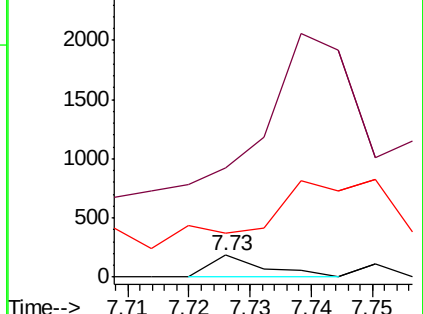
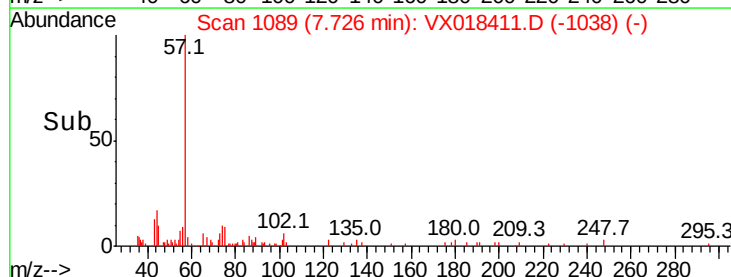
58 0.0 56.4 84.6#

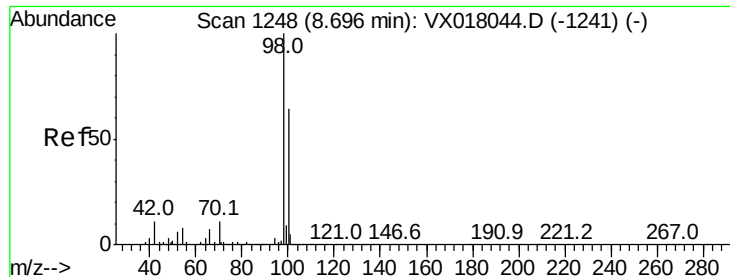


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.114 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018411.D

Acq: 15 Sep 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

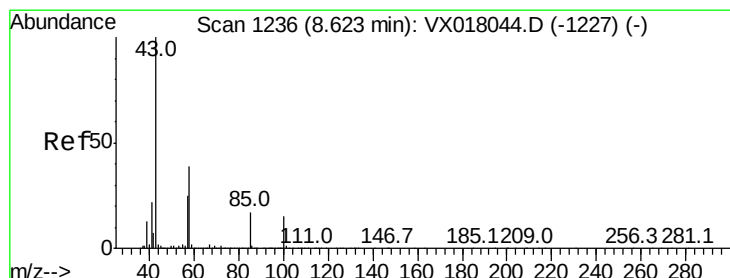
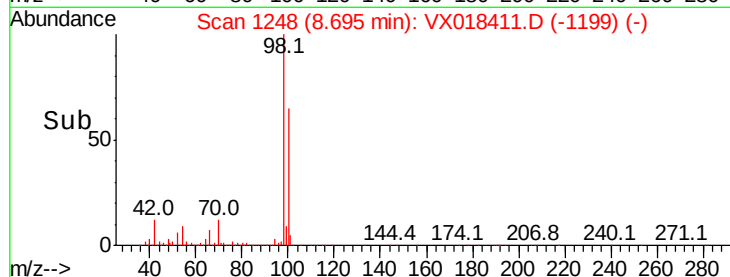
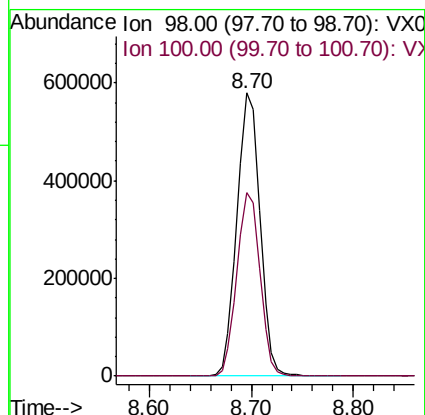
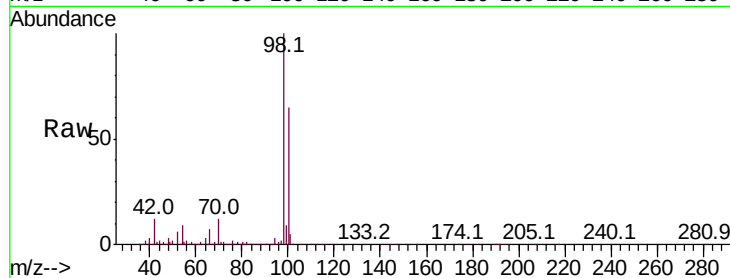
PB131607ZHE#02

Tot Ion: 98 Resp: 906584

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 15.726 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018411.D

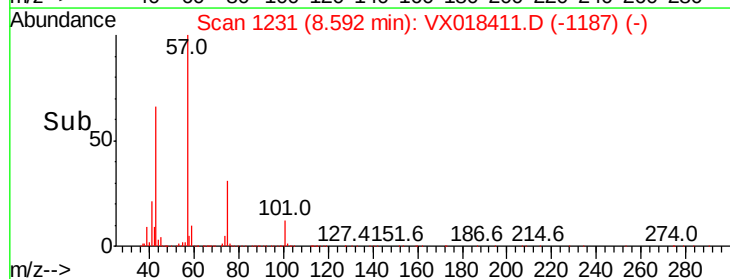
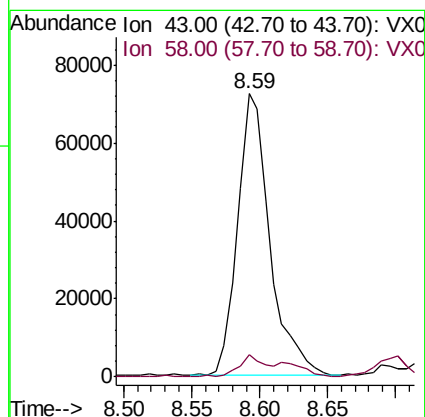
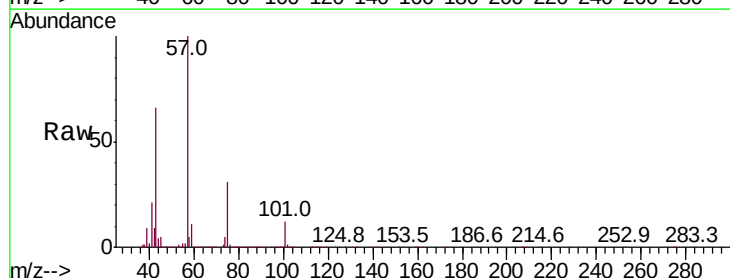
Acq: 15 Sep 2020 16:54

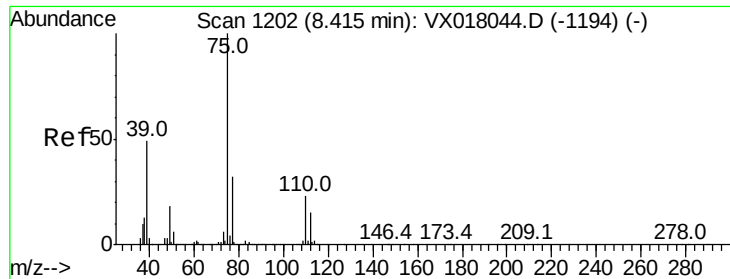
Tgt Ion: 43 Resp: 119874

Ion Ratio Lower Upper

43 100

58 6.3 30.7 46.1#



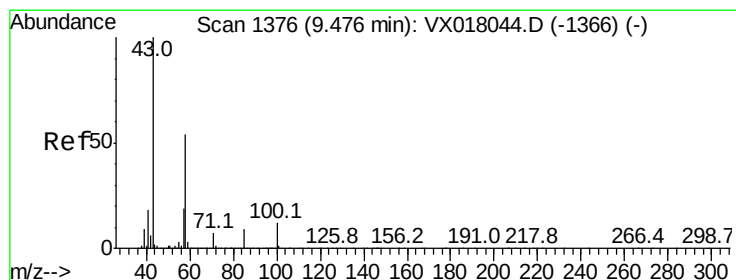
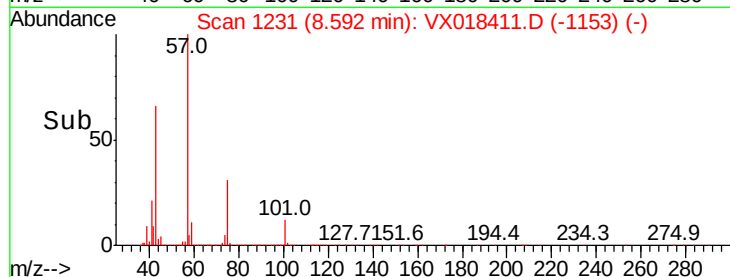
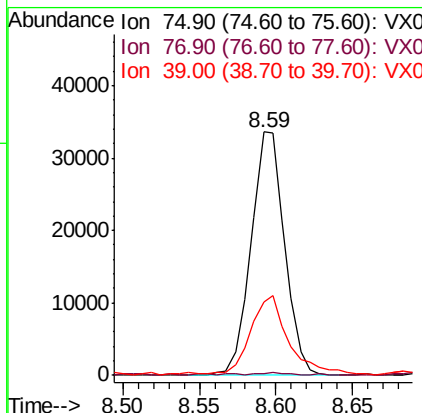
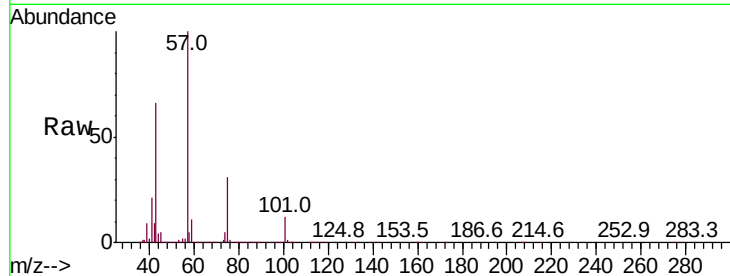


#54

cis-1,3-Dichloropropene
 Concen: 5.969 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX018411.D
 Acq: 15 Sep 2020 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#02

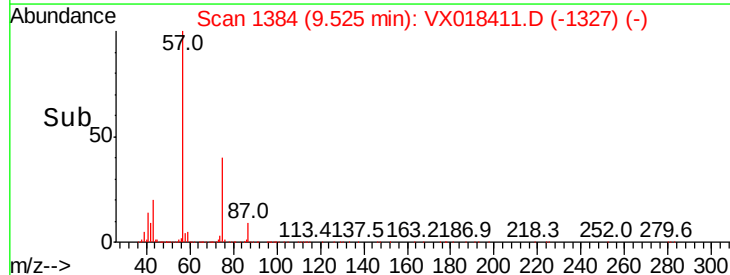
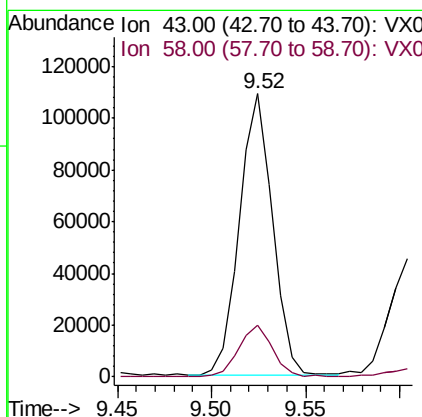
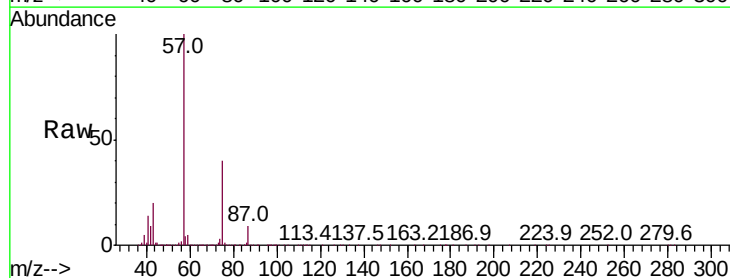
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.6	25.8	38.8#
39	28.9	38.8	58.2#

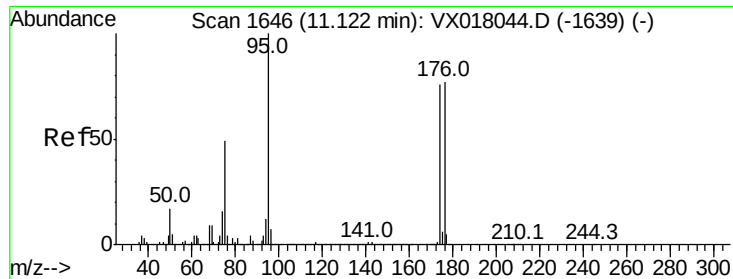


#59

2-Hexanone
 Concen: 22.752 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.05 min
 Lab File: VX018411.D
 Acq: 15 Sep 2020 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	18.4	26.6	79.7#

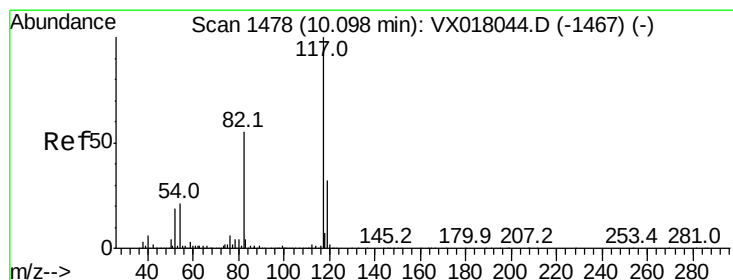
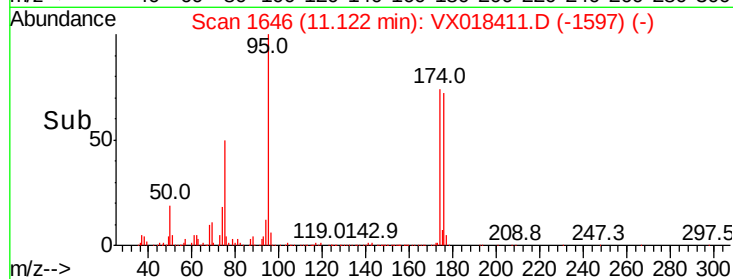
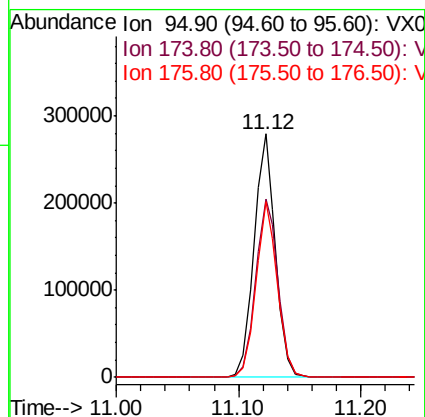
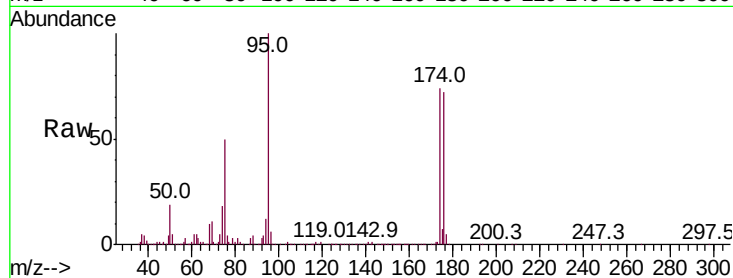




#62
4-Bromofluorobenzene
Concen: 47.623 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018411.D
Acq: 15 Sep 2020 16:54

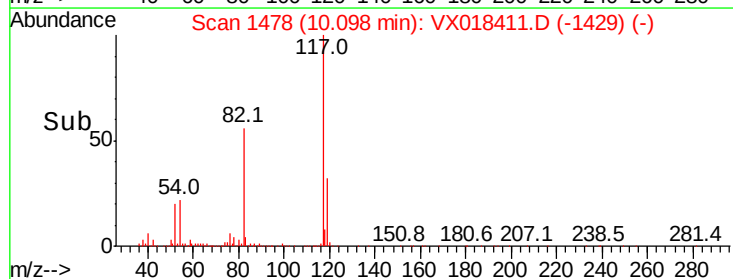
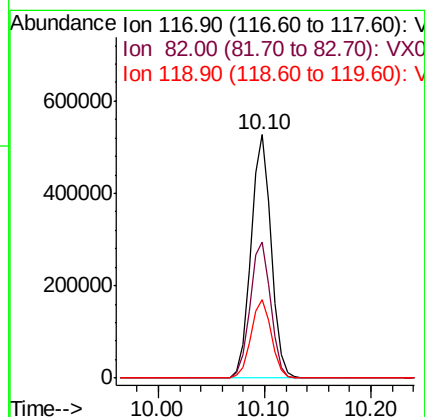
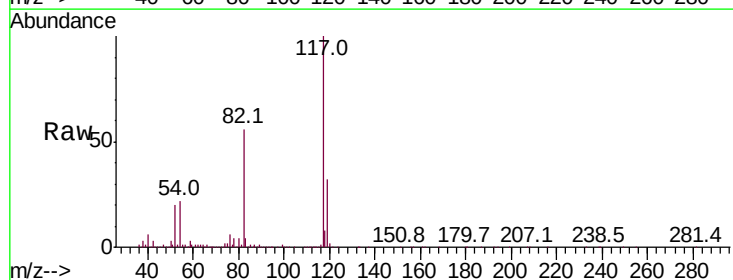
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#02

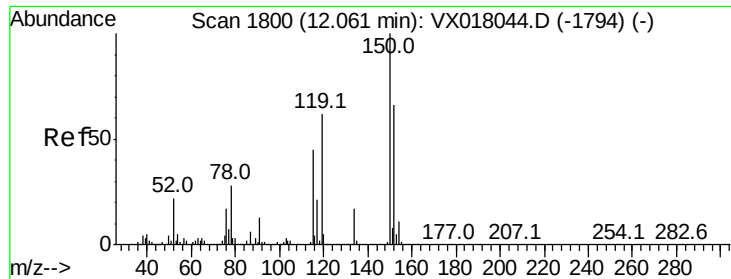
Tot Ion: 95 Resp: 338957
Ion Ratio Lower Upper
95 100
174 77.3 0.0 160.2
176 72.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018411.D
Acq: 15 Sep 2020 16:54

Tgt Ion: 117 Resp: 699370
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.2
119 32.3 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018411.D

Acq: 15 Sep 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#02

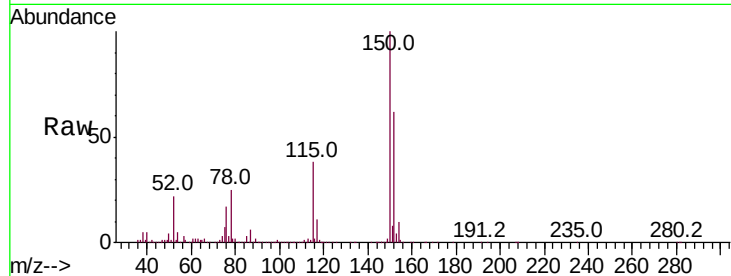
Tot Ion:152 Resp: 340047

Ion Ratio Lower Upper

152 100

115 59.9 41.5 124.5

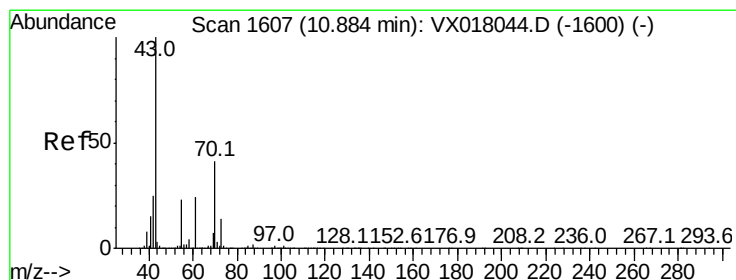
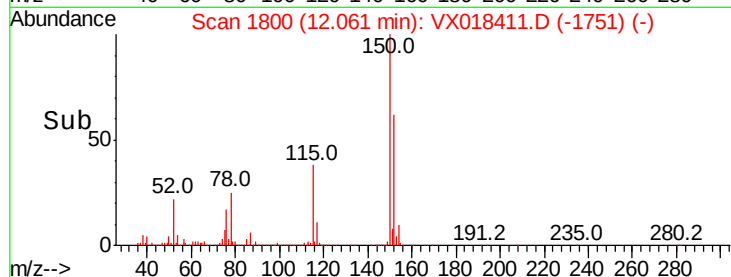
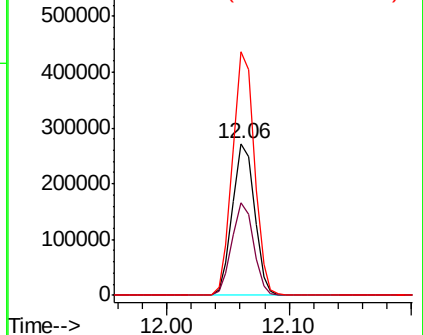
150 158.1 0.0 343.8



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



#74

N-ethyl acetate

Concen: 0.460 ug/l

RT: 10.81 min Scan# 1595

Delta R.T. -0.07 min

Lab File: VX018411.D

Acq: 15 Sep 2020 16:54

Tgt Ion: 43 Resp: 4896

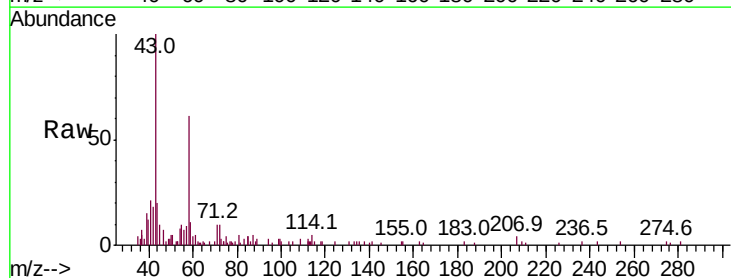
Ion Ratio Lower Upper

43 100

70 4.5 32.3 48.5#

55 15.7 18.2 27.2#

61 0.0 18.9 28.3#

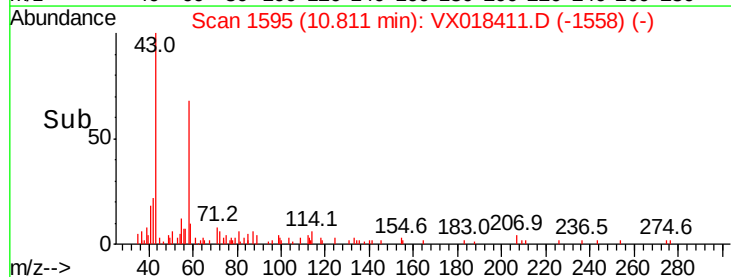
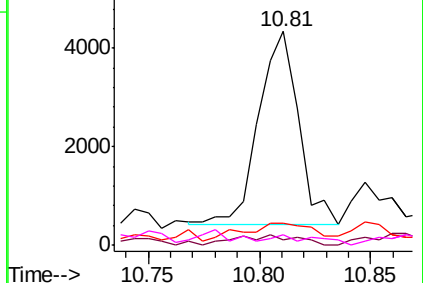


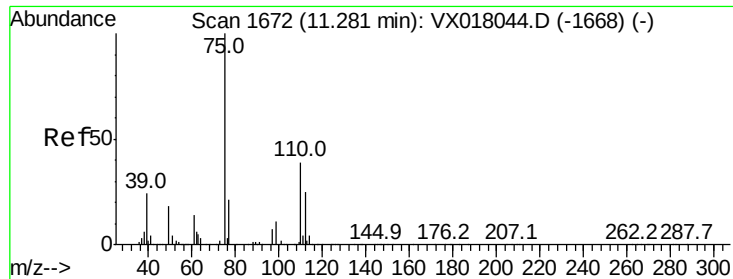
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 22.974 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018411.D

Acq: 15 Sep 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

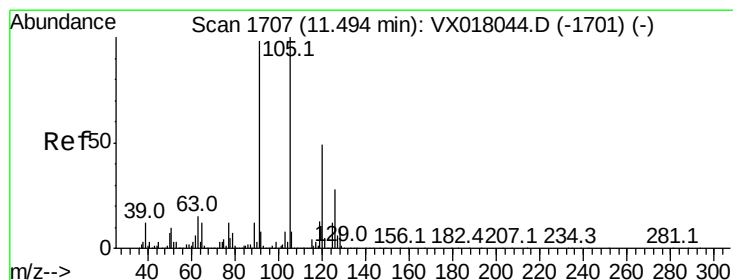
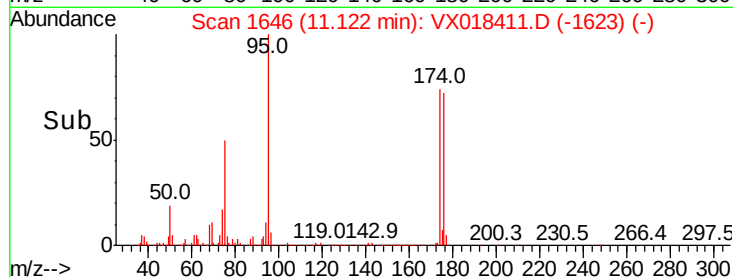
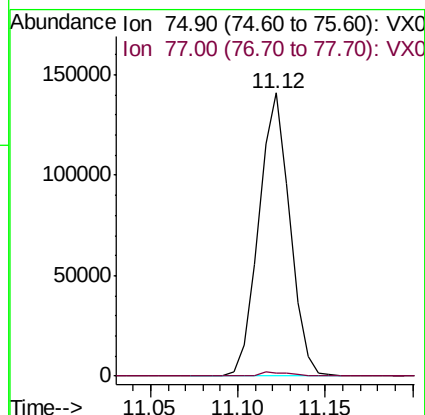
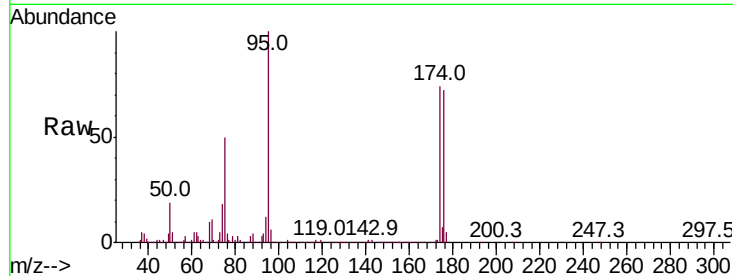
PB131607ZHE#02

Tot Ion: 75 Resp: 173786

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.839 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018411.D

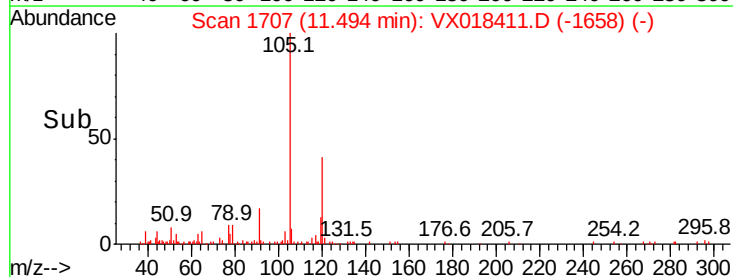
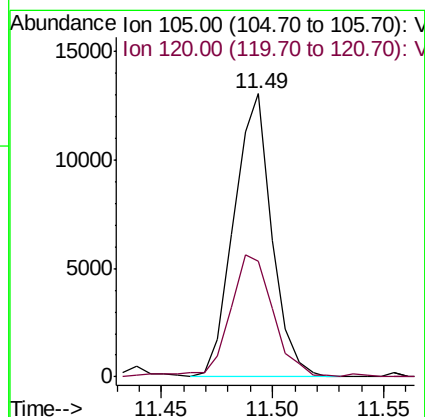
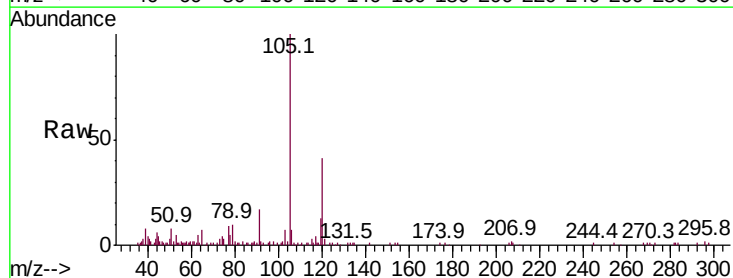
Acq: 15 Sep 2020 16:54

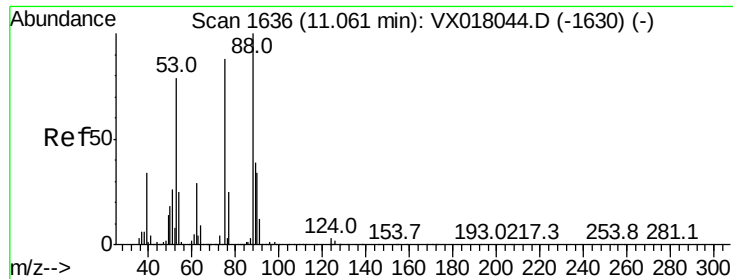
Tgt Ion: 105 Resp: 15464

Ion Ratio Lower Upper

105 100

120 49.9 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 62.049 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018411.D

Acq: 15 Sep 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#02

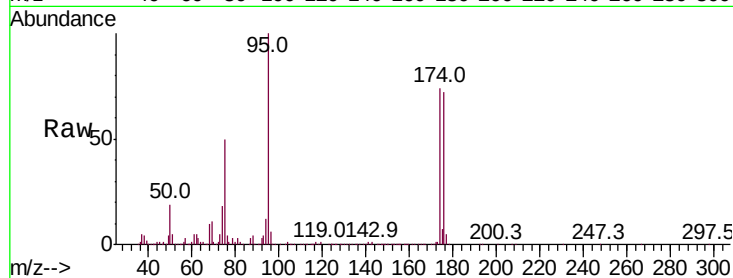
Tot Ion: 75 Resp: 173786

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.2 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

