

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090120\
 Data File : VX018190.D
 Acq On : 01 Sep 2020 14:30
 Operator : JC/SP
 Sample : PB131314ZHE#06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314ZHE#06

Quant Time: Sep 02 02:49:52 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	439269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	695852	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	703902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	333500	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	317618	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	
35) Dibromofluoromethane	5.46	113	249194	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
50) Toluene-d8	8.70	98	905216	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	11.12	95	335360	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	

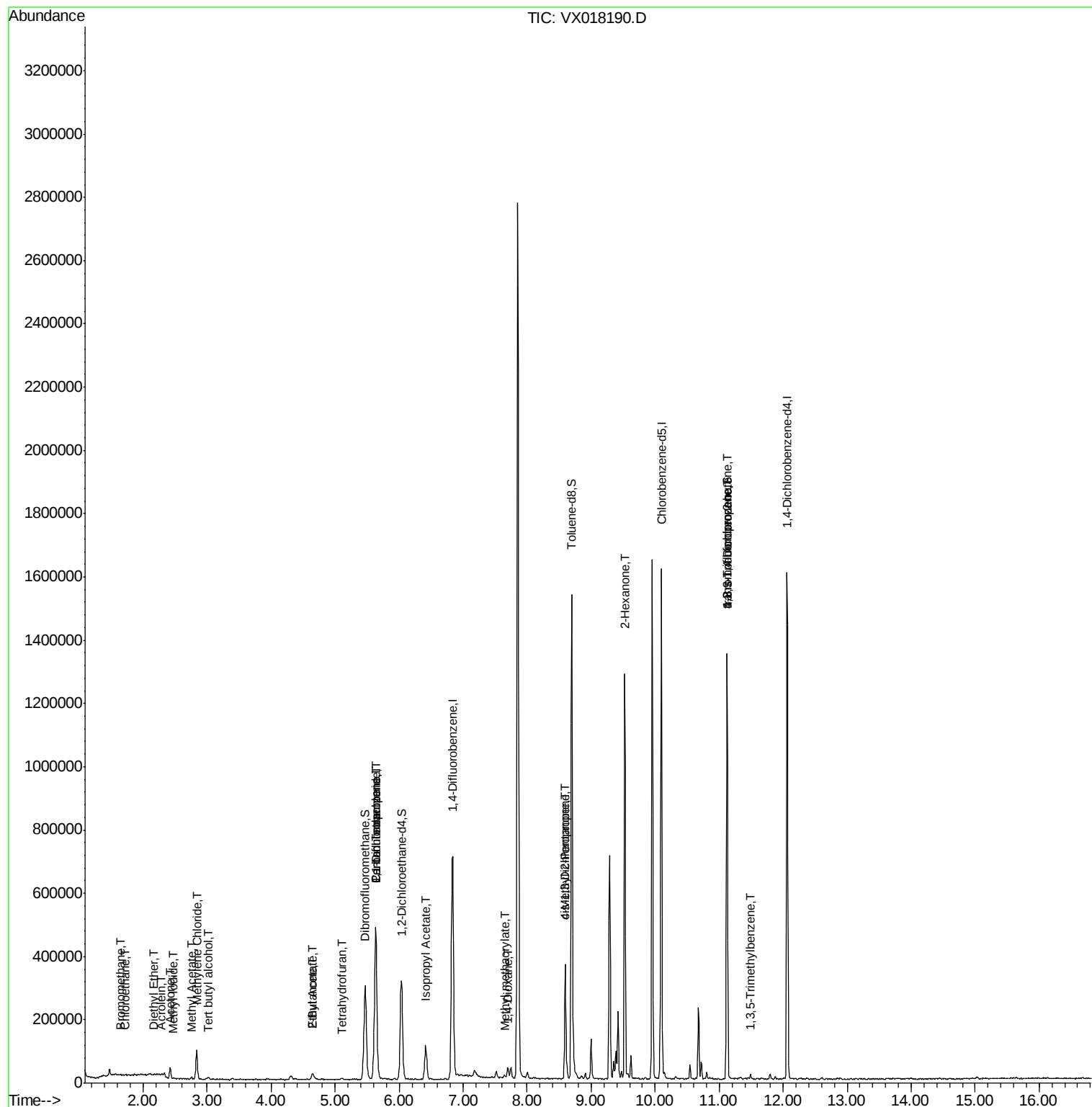
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	622	0.230	ug/l #	48
6) Chloroethane	1.71	64	685	0.227	ug/l #	53
8) Diethyl Ether	2.17	74	1619	0.624	ug/l	67
10) Methyl Iodide	2.48	142	142	5.315	ug/l #	33
11) Tert butyl alcohol	3.01	59	6802	5.737	ug/l #	86
13) Acrolein	2.29	56	254	0.517	ug/l #	1
16) Acetone	2.42	43	36383	15.311	ug/l	99
18) Methyl Acetate	2.75	43	6865	1.197	ug/l #	69
20) Methylene Chloride	2.84	84	42899	7.845	ug/l	96
25) 2-Butanone	4.64	43	26443	6.771	ug/l	99
29) Tetrahydrofuran	5.10	42	679	0.273	ug/l #	5
36) 1,1-Dichloropropene	5.63	75	32963	5.136	ug/l #	53
37) Ethyl Acetate	4.64	43	26443	3.547	ug/l #	68
38) Carbon Tetrachloride	5.63	117	45529	6.295	ug/l #	17
43) Isopropyl Acetate	6.42	43	146129	12.137	ug/l	99
48) Methyl methacrylate	7.65	41	10799	1.802	ug/l #	16
49) 1,4-Dioxane	7.70	88	77	0.709	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	133399	17.937	ug/l #	54
54) cis-1,3-Dichloropropene	8.59	75	57504	6.863	ug/l #	61
59) 2-Hexanone	9.52	43	148743	26.302	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	173483	23.384	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	5516	0.305	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.12	75	173483	63.157	ug/l #	12

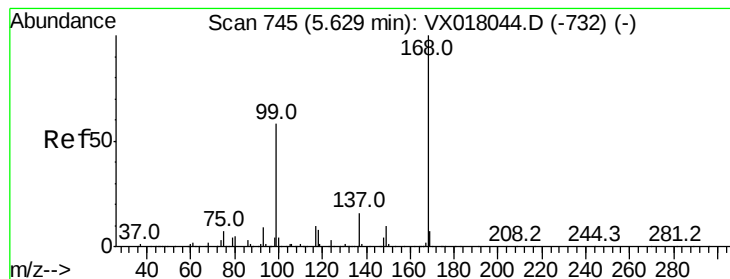
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 02 02:49:52 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: VX018190.D

Acq: 01 Sep 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

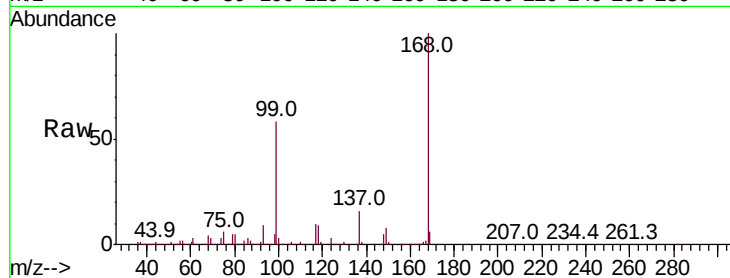
PB131314ZHE#06

Tot Ion:168 Resp: 439269

Ion Ratio Lower Upper

168 100

99 57.9 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

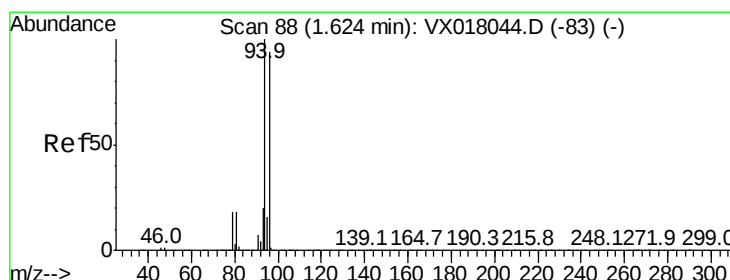
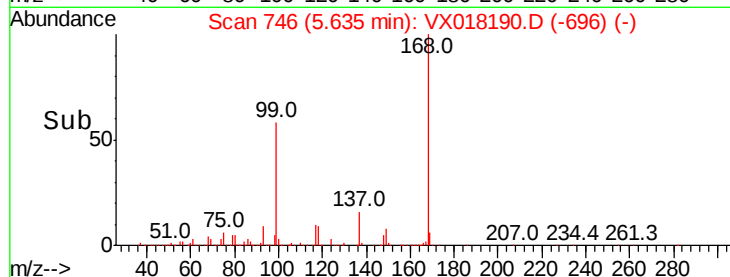
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.230 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018190.D

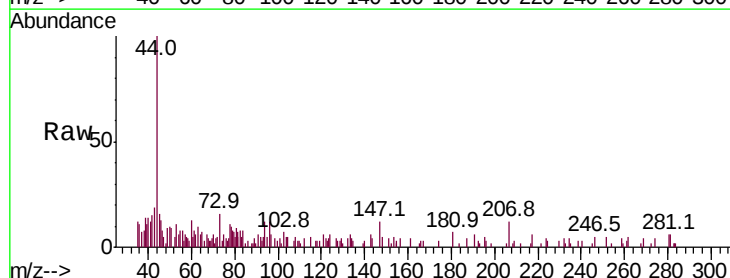
Acq: 01 Sep 2020 14:30

Tgt Ion: 94 Resp: 622

Ion Ratio Lower Upper

94 100

96 43.4 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

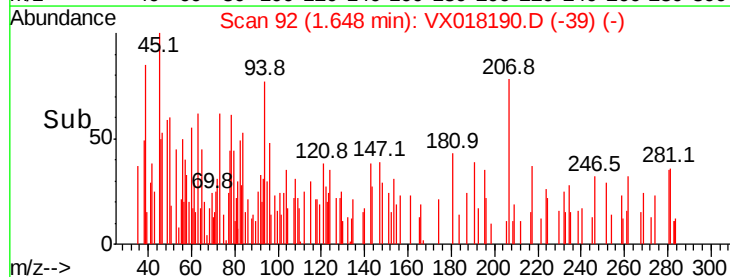
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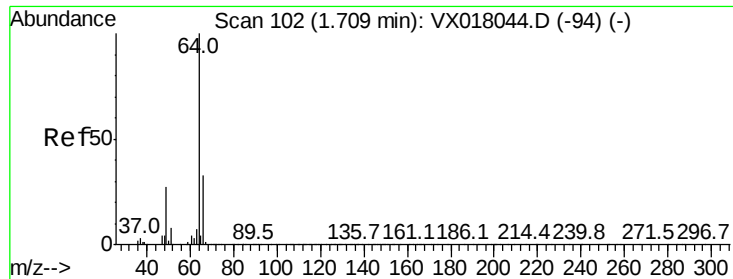
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100

0

Time-->

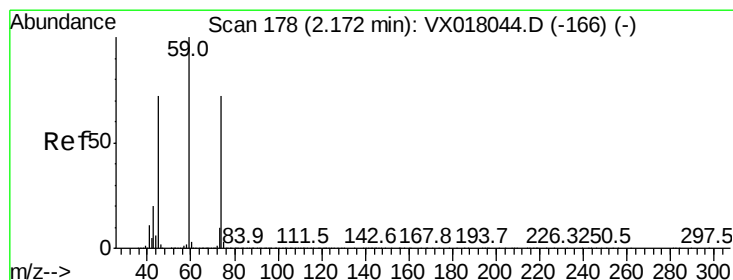
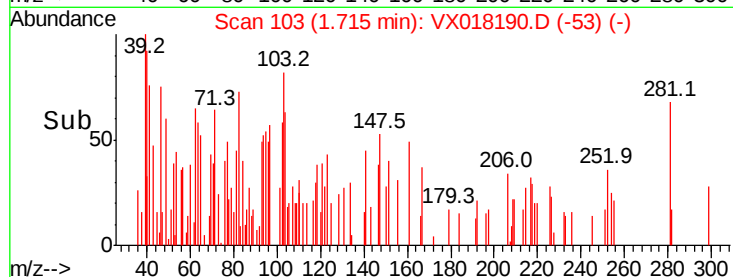
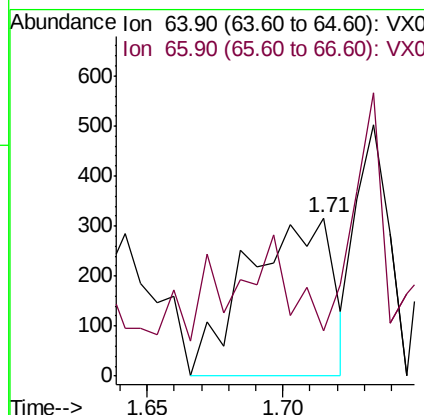
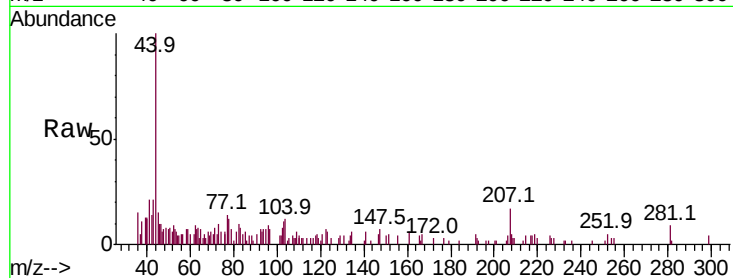




#6
Chloroethane
Concen: 0.227 ug/l
RT: 1.71 min Scan# 103
Delta R.T. 0.01 min
Lab File: VX018190.D
Acq: 01 Sep 2020 14:30

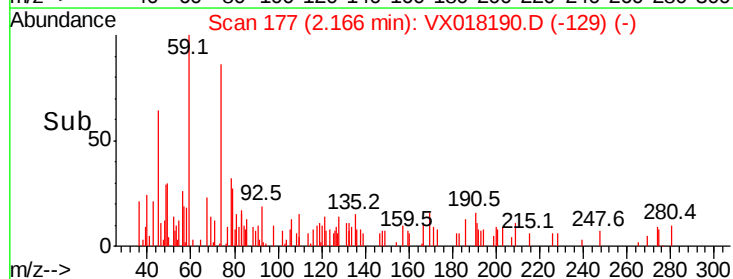
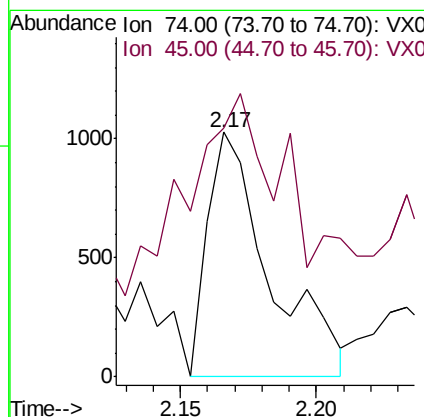
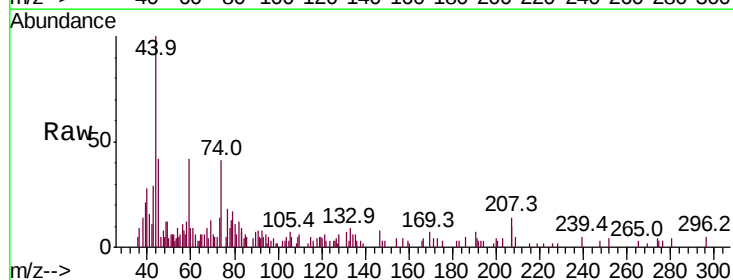
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#06

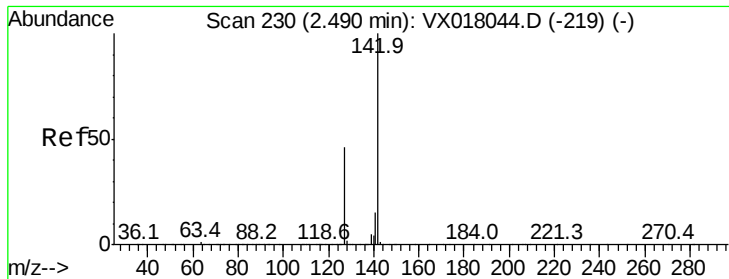
Tot Ion: 64 Resp: 685
Ion Ratio Lower Upper
64 100
66 6.3 26.6 39.8#



#8
Diethyl Ether
Concen: 0.624 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VX018190.D
Acq: 01 Sep 2020 14:30

Tgt Ion: 74 Resp: 1619
Ion Ratio Lower Upper
74 100
45 135.3 50.7 152.3

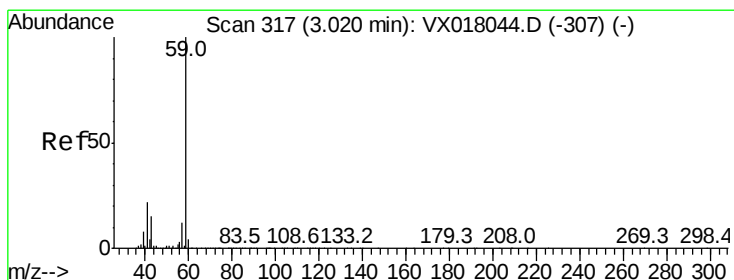
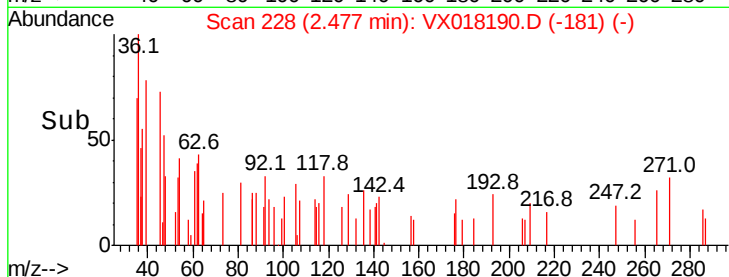
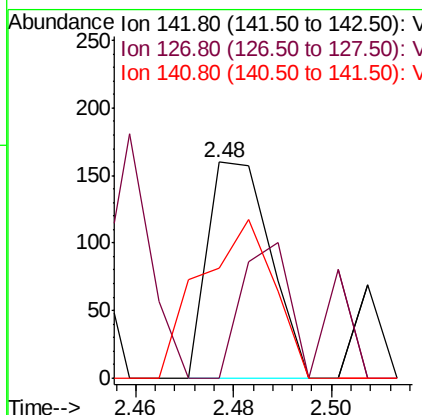
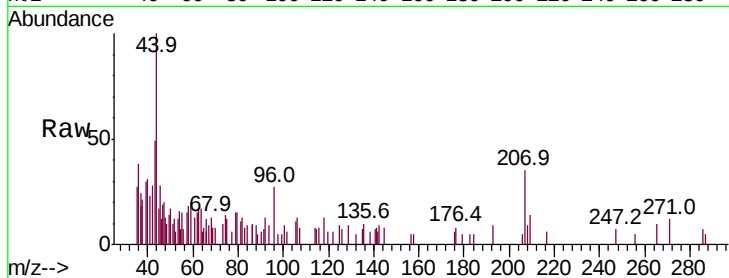




#10
Methvl Iodide
Concen: 5.315 ug/l
RT: 2.48 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX018190.D
Acq: 01 Sep 2020 14:30

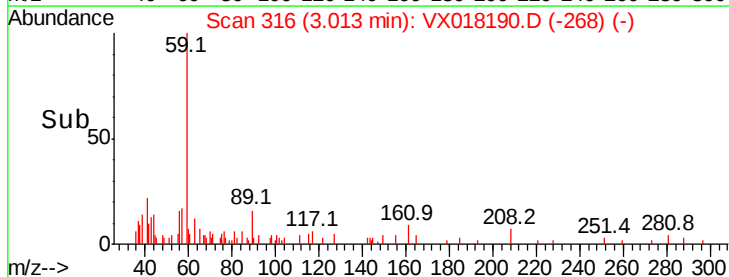
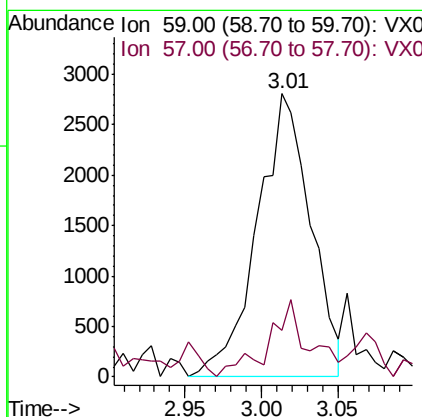
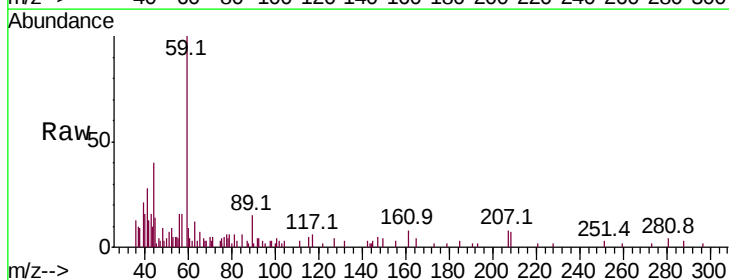
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#06

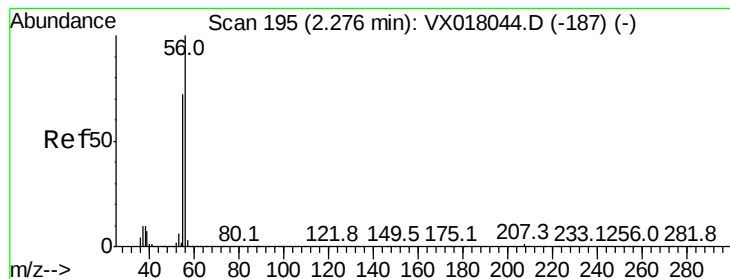
Tot Ion:142 Resp: 142
Ion Ratio Lower Upper
142 100
127 68.3 37.0 55.6#
141 86.6 11.5 17.3#



#11
Tert butyl alcohol
Concen: 5.737 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX018190.D
Acq: 01 Sep 2020 14:30

Tgt Ion: 59 Resp: 6802
Ion Ratio Lower Upper
59 100
57 16.4 8.9 13.3#





#13

Acrolein

Concen: 0.517 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.01 min

Lab File: VX018190.D

Acq: 01 Sep 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

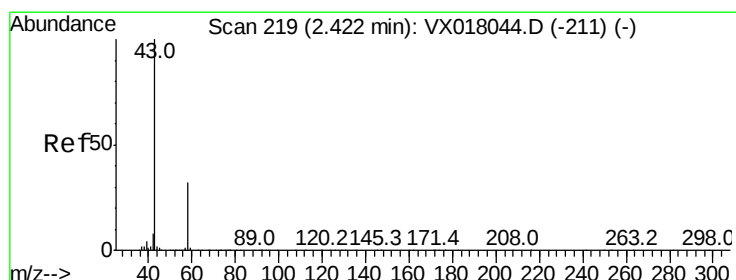
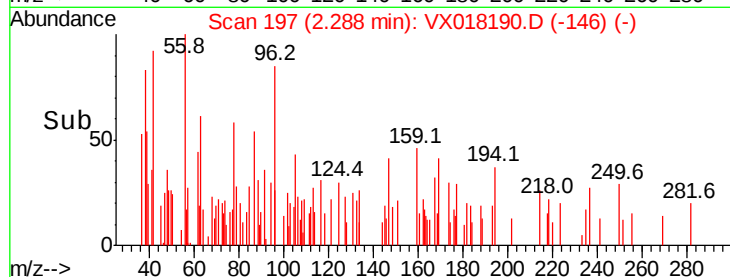
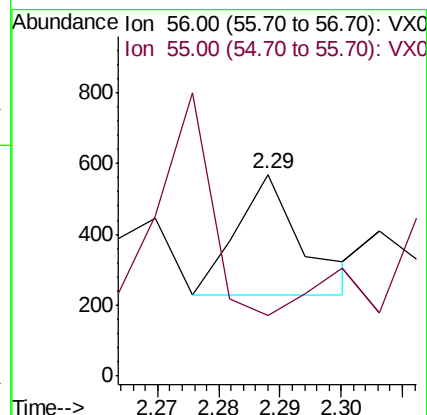
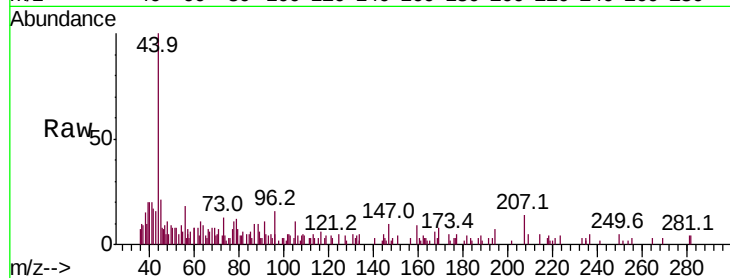
PB131314ZHE#06

Tot Ion: 56 Resp: 254

Ion Ratio Lower Upper

56 100

55 156.7 57.0 85.6#



#16

Acetone

Concen: 15.311 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018190.D

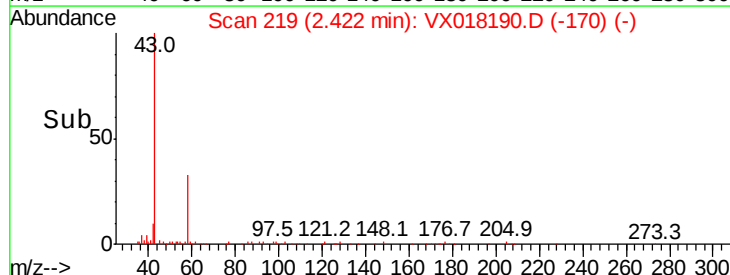
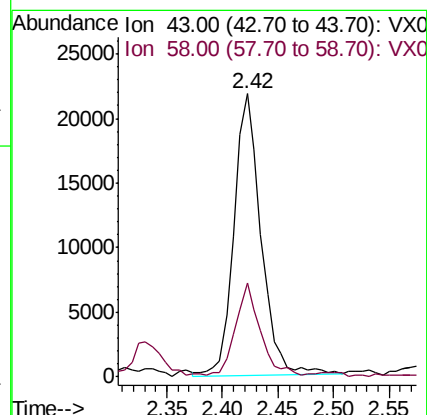
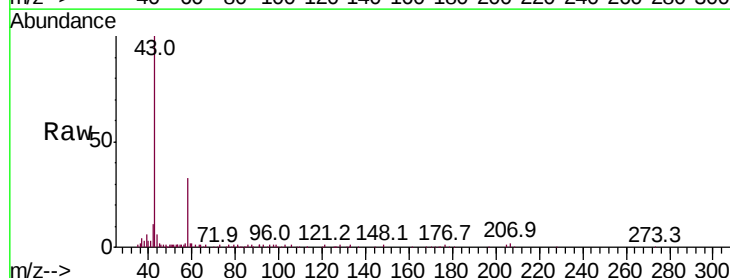
Acq: 01 Sep 2020 14:30

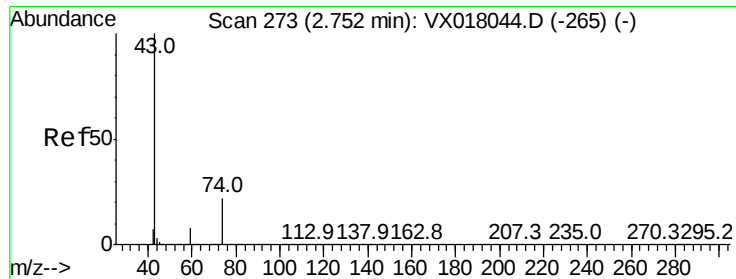
Tgt Ion: 43 Resp: 36383

Ion Ratio Lower Upper

43 100

58 32.3 25.5 38.3

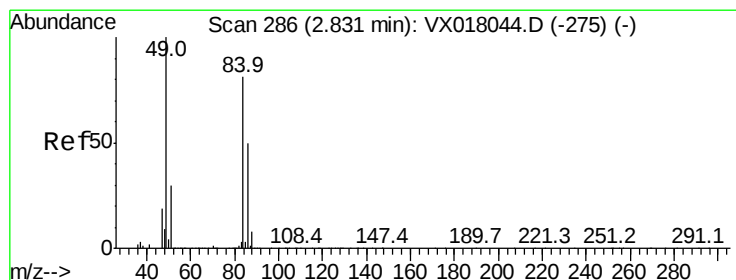
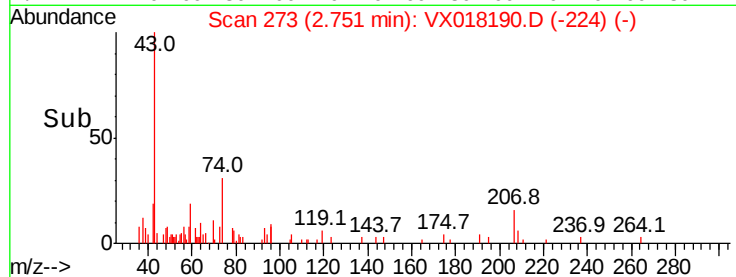
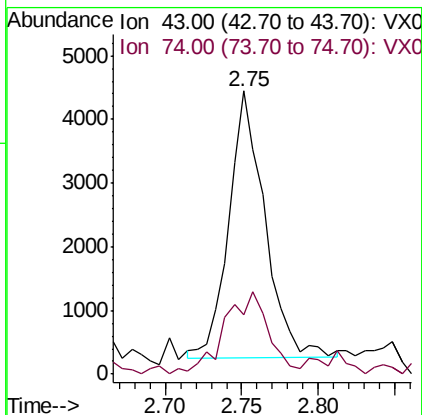
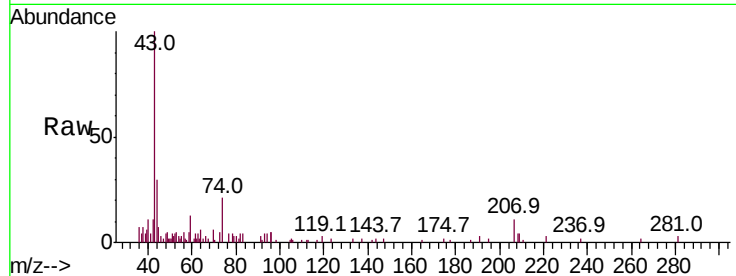




#18
Methvl Acetate
Concen: 1.197 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018190.D
Acq: 01 Sep 2020 14:30

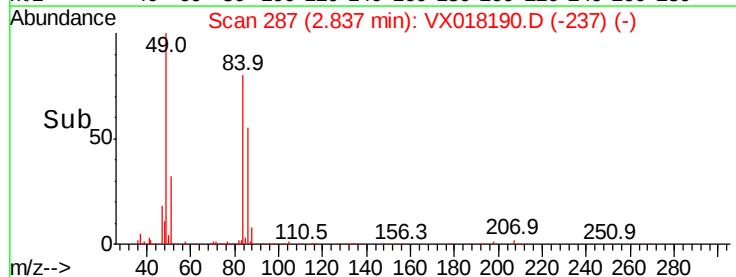
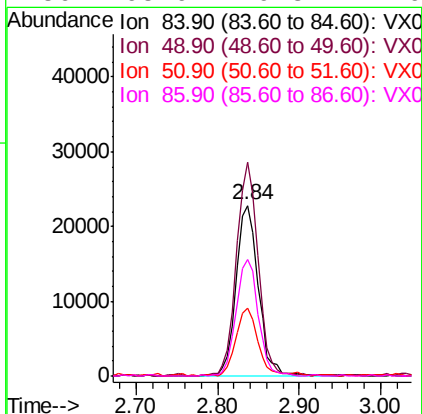
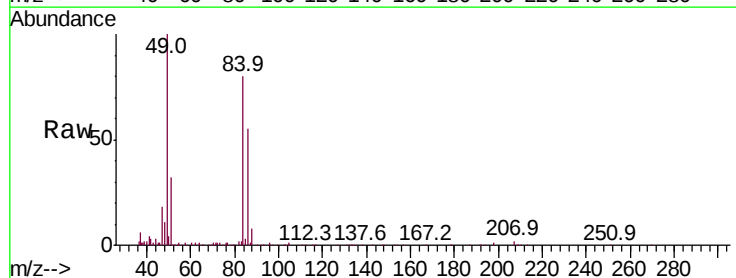
Instrument :
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ClientSampleId :
PB131314ZHE#06

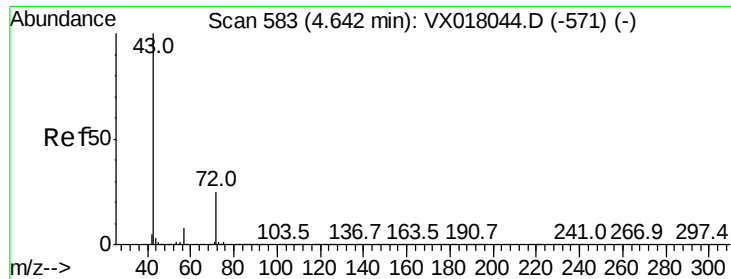
Tot Ion: 43 Resp: 6865
Ion Ratio Lower Upper
43 100
74 37.9 18.2 27.4#



#20
Methylene Chloride
Concen: 7.845 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018190.D
Acq: 01 Sep 2020 14:30

Tgt Ion: 84 Resp: 42899
Ion Ratio Lower Upper
84 100
49 125.1 98.6 148.0
51 40.0 29.6 44.4
86 68.6 49.8 74.6

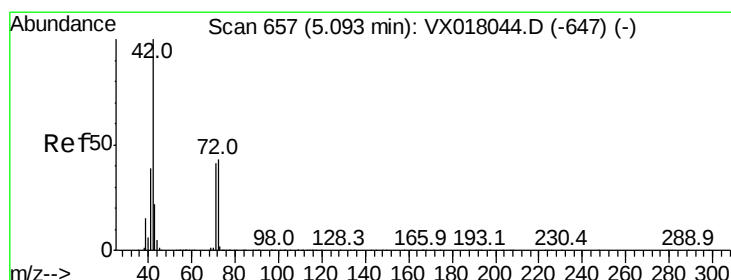
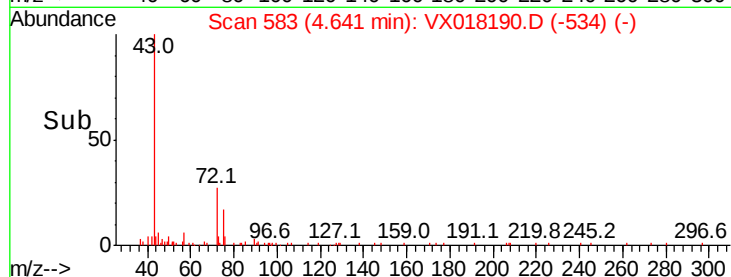
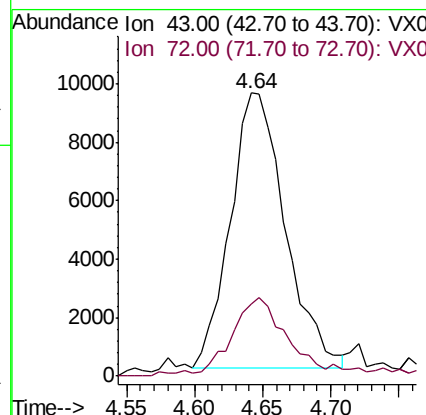
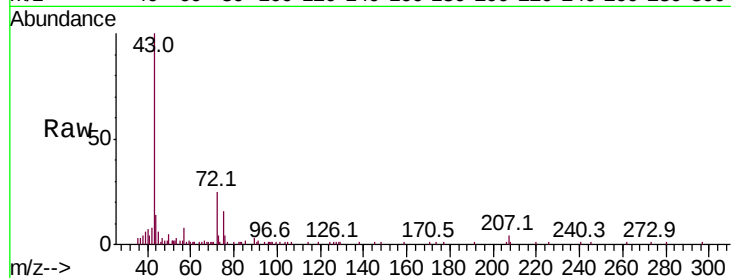




#25
2-Butanone
Concen: 6.771 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX018190.D
Acq: 01 Sep 2020 14:30

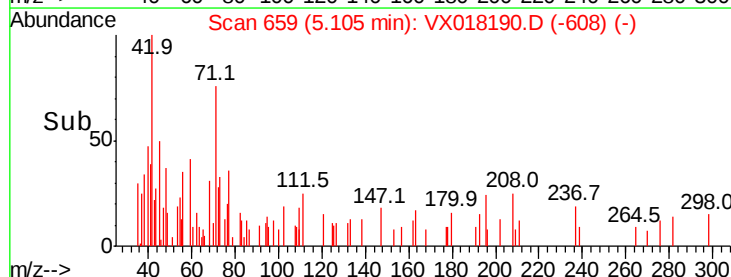
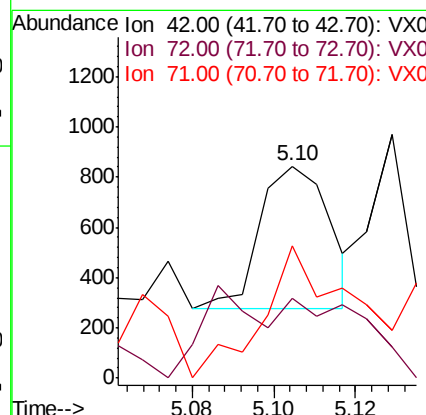
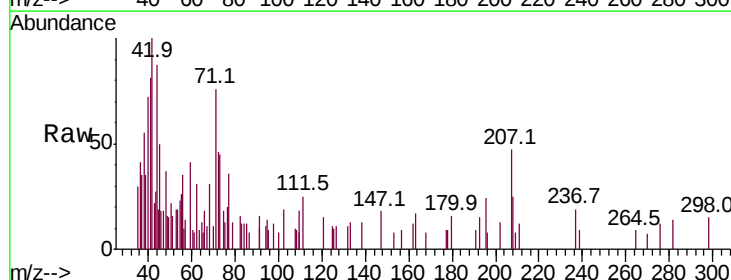
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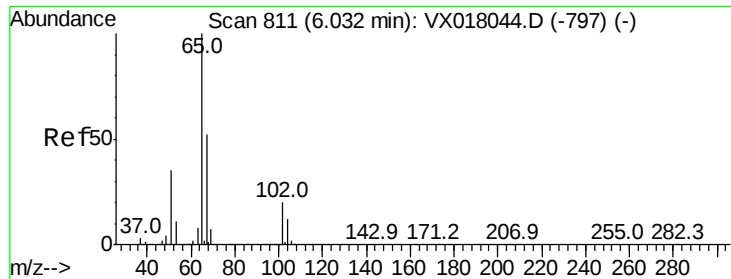
Tot Ion: 43 Resp: 26443
Ion Ratio Lower Upper
43 100
72 25.2 19.8 29.6



#29
Tetrahydrofuran
Concen: 0.273 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX018190.D
Acq: 01 Sep 2020 14:30

Tgt Ion: 42 Resp: 679
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 117.2 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 52.084 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018190.D

Acq: 01 Sep 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

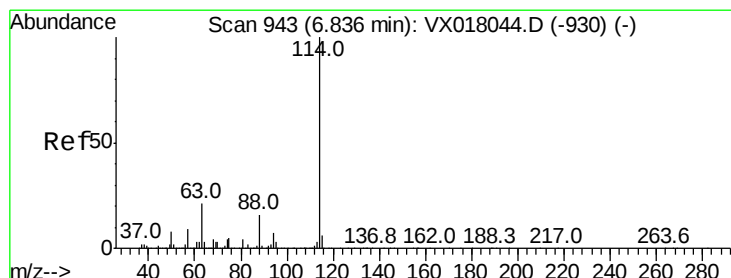
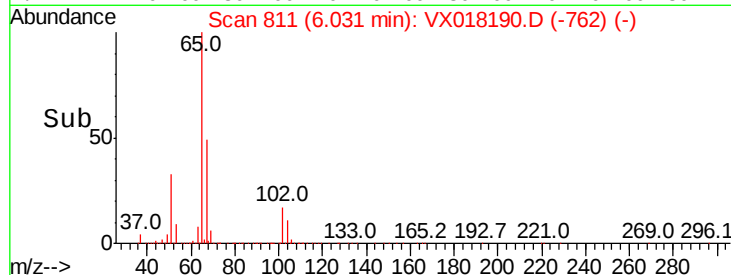
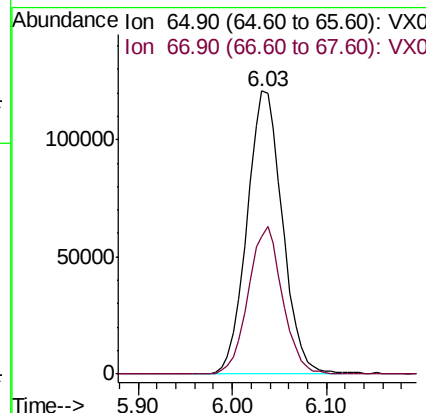
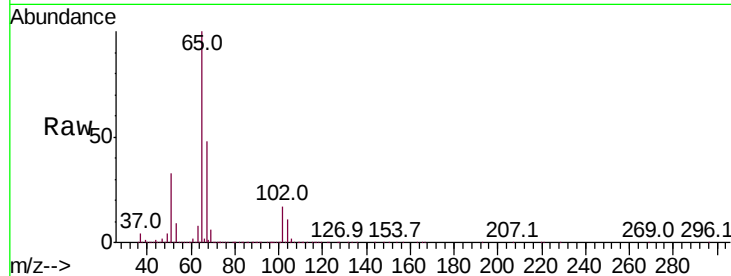
PB131314ZHE#06

Tot Ion: 65 Resp: 317618

Ion Ratio Lower Upper

65 100

67 50.2 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: VX018190.D

Acq: 01 Sep 2020 14:30

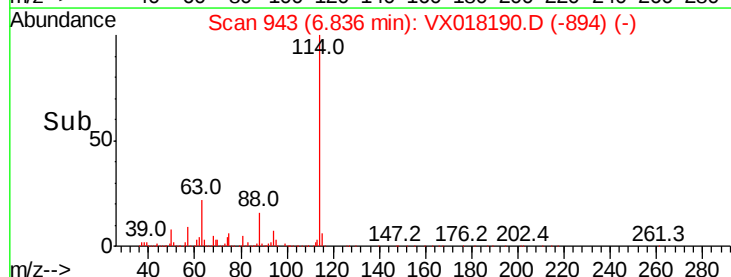
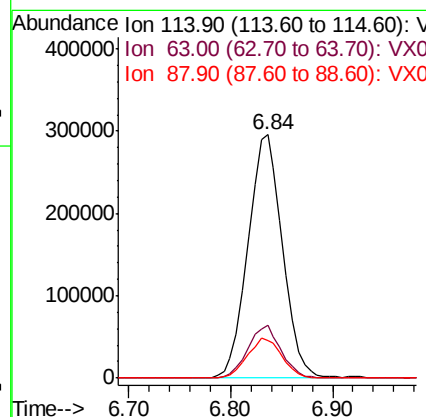
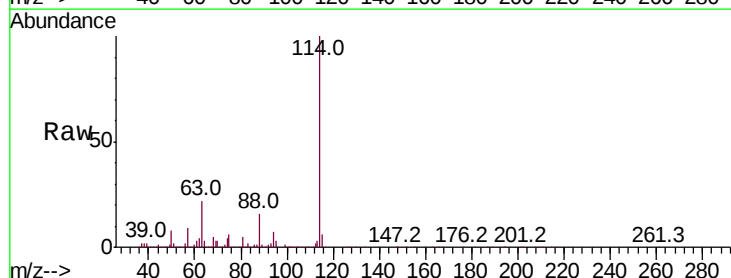
Tgt Ion: 114 Resp: 695852

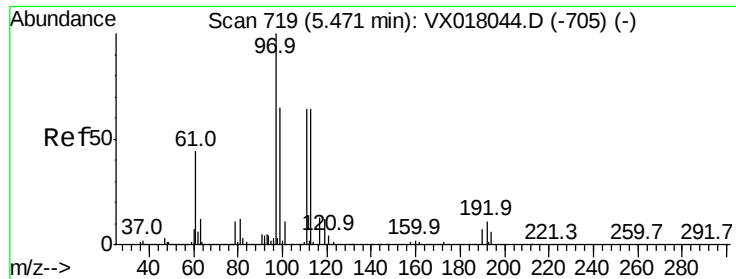
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.6

88 15.5 0.0 31.8

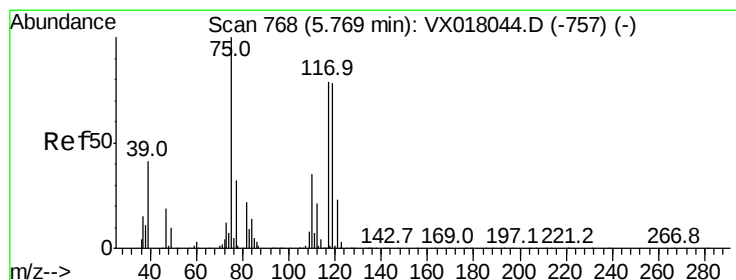
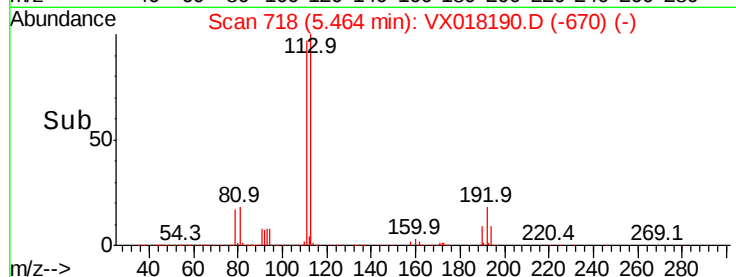
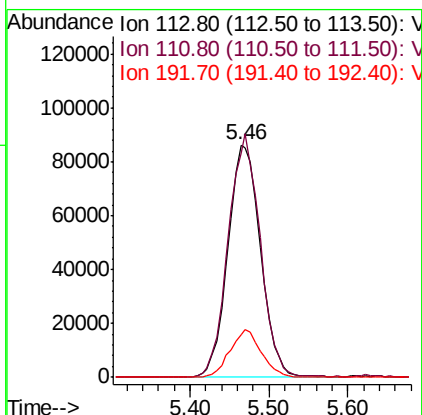
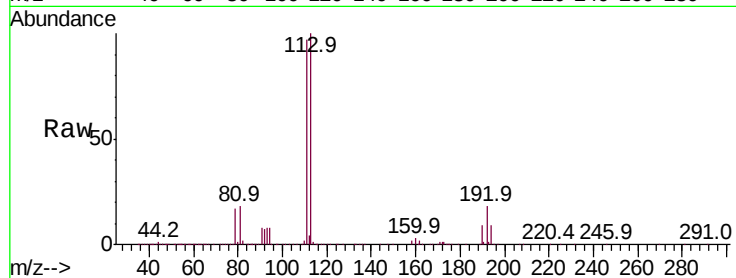




#35
 Dibromofluoromethane
 Concen: 52.583 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018190.D
 Acq: 01 Sep 2020 14:30

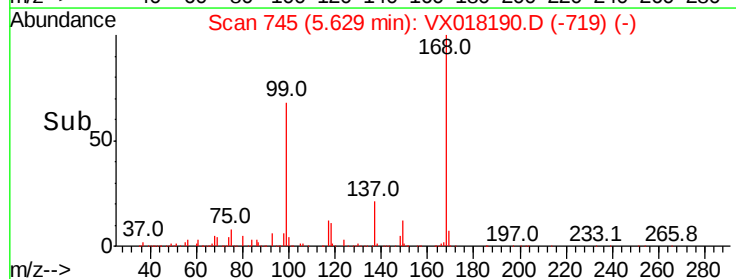
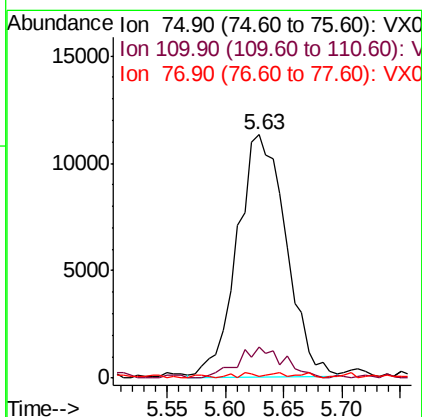
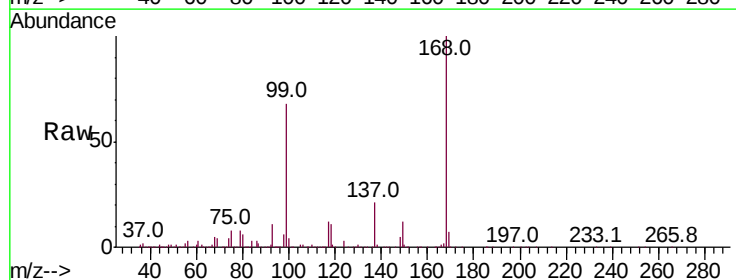
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314ZHE#06

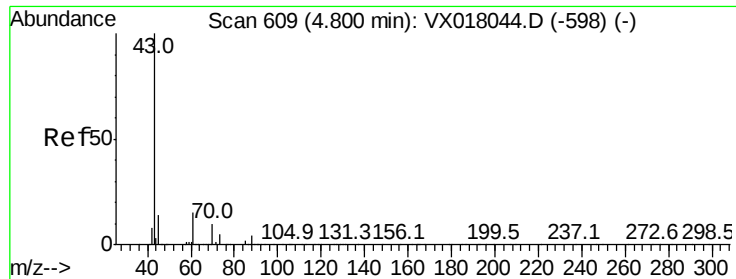
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.6	122.4
192	19.7	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.136 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018190.D
 Acq: 01 Sep 2020 14:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.0	18.0	54.0#
77	0.6	24.4	36.6#

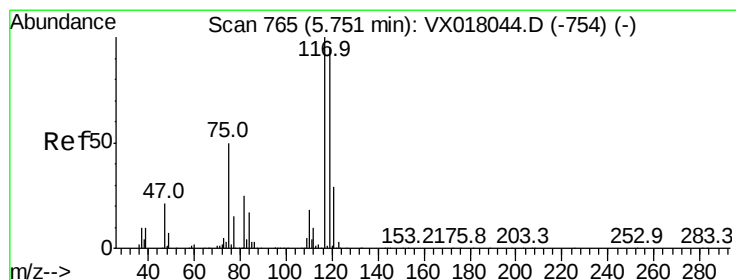
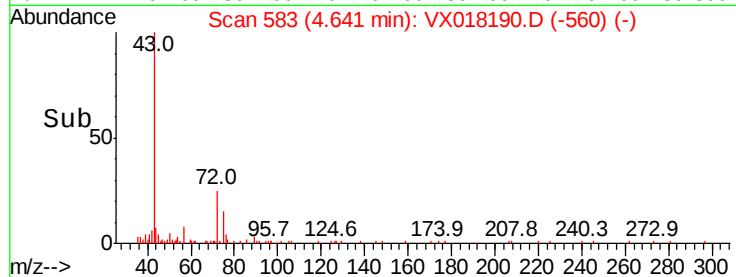
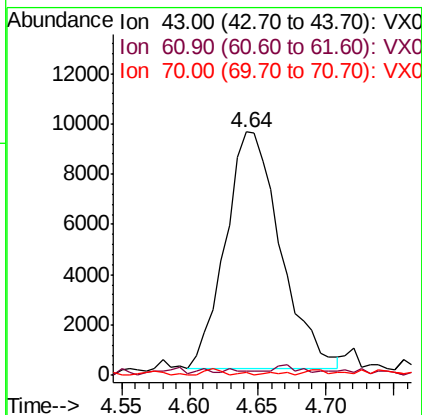
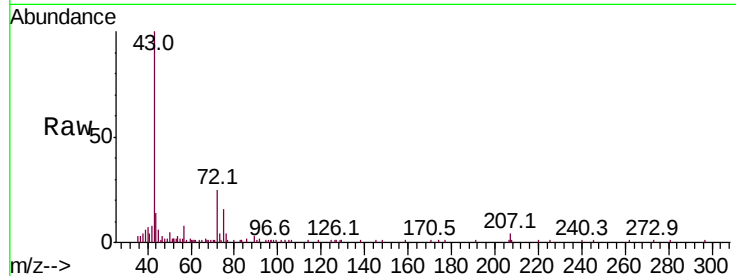




#37
Ethyl Acetate
Concen: 3.547 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.16 min
Lab File: VX018190.D
Acq: 01 Sep 2020 14:30

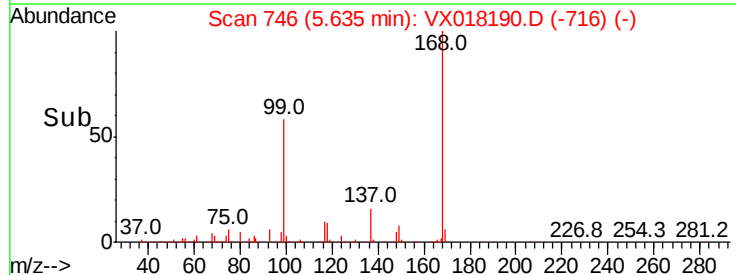
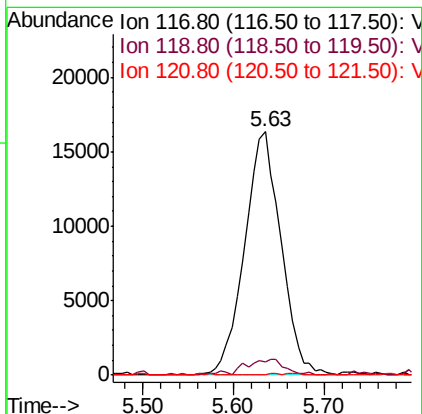
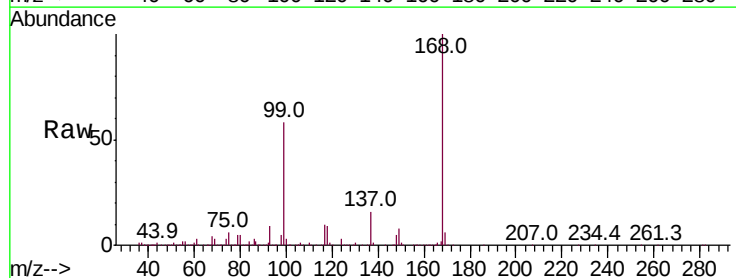
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#06

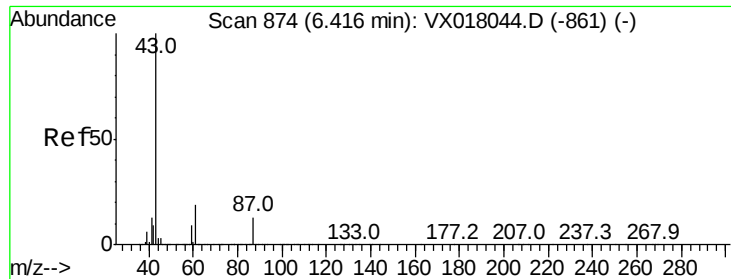
Tot Ion: 43 Resp: 26443
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 6.295 ug/l
RT: 5.63 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX018190.D
Acq: 01 Sep 2020 14:30

Tgt Ion: 117 Resp: 45529
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 23.4 35.0#



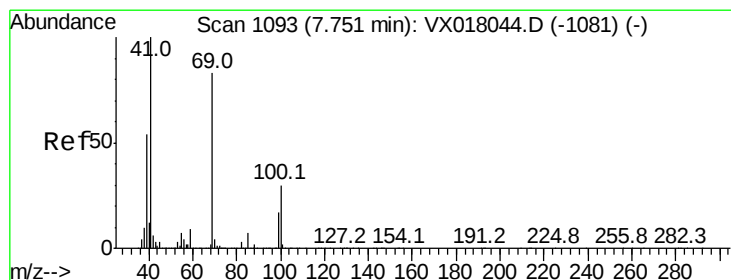
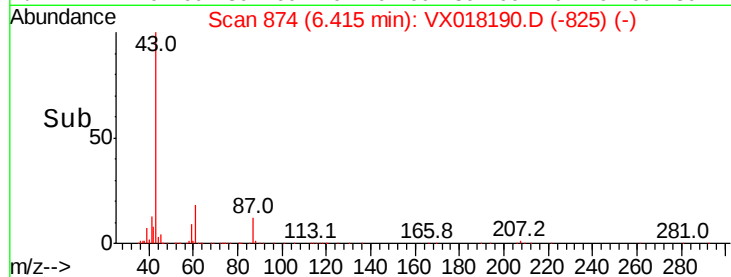
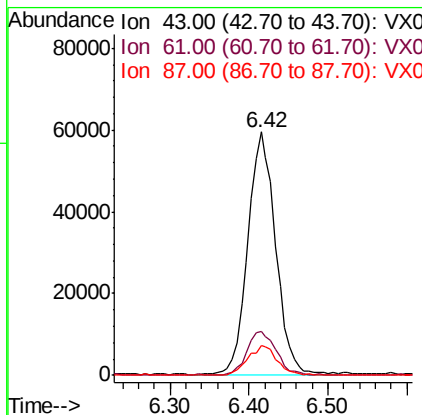
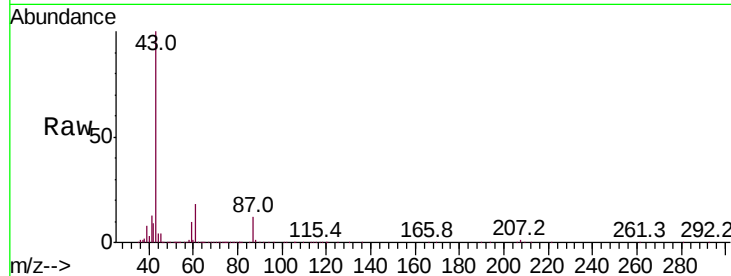


#43

Isopropyl Acetate
 Concen: 12.137 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX018190.D
 Acq: 01 Sep 2020 14:30

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314ZHE#06

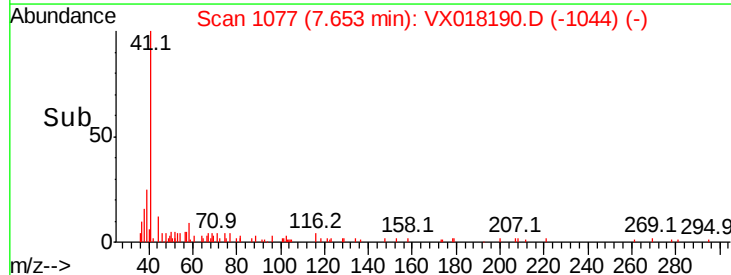
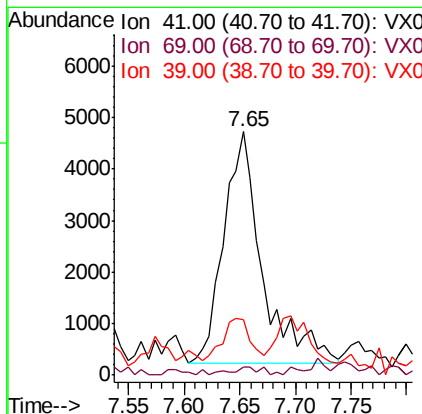
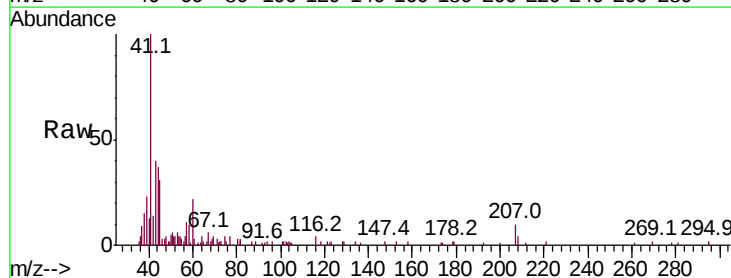
Tot Ion	43	Resp	146129
Ion Ratio	Lower	Upper	
43	100		
61	19.2	15.7	23.5
87	12.8	10.3	15.5

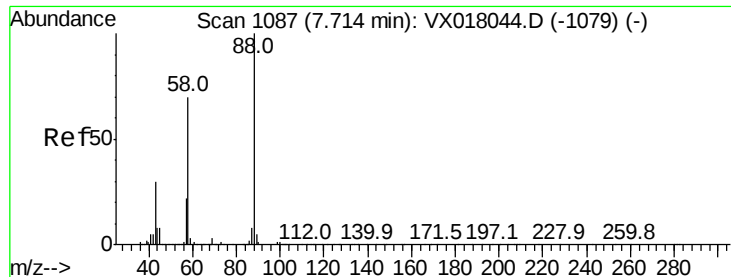


#48

Methyl methacrylate
 Concen: 1.802 ug/l
 RT: 7.65 min Scan# 1077
 Delta R.T. -0.10 min
 Lab File: VX018190.D
 Acq: 01 Sep 2020 14:30

Tgt Ion	41	Resp	10799
Ion Ratio	Lower	Upper	
41	100		
69	2.9	65.5	98.3#
39	0.0	44.5	66.7#





#49

1,4-Dioxane

Concen: 0.709 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX018190.D

Acq: 01 Sep 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#06

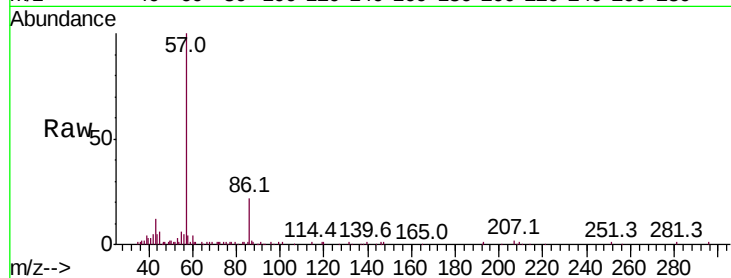
Tot Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

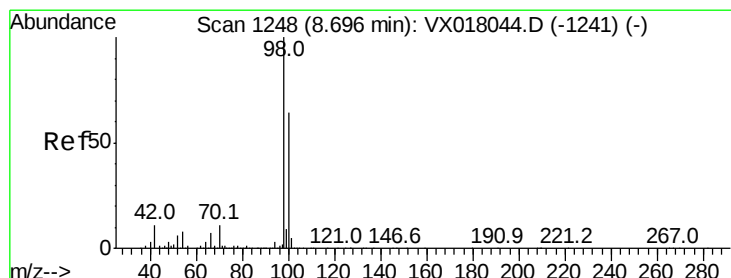
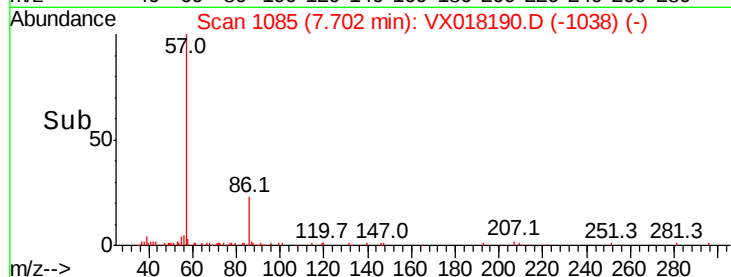
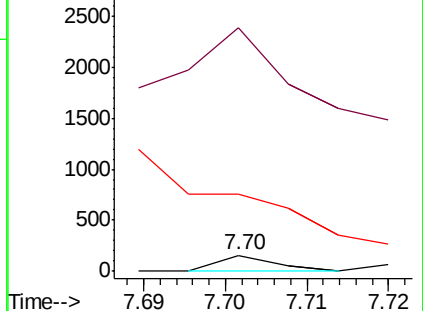
58 1810.4 56.4 84.6#



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: 51.284 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018190.D

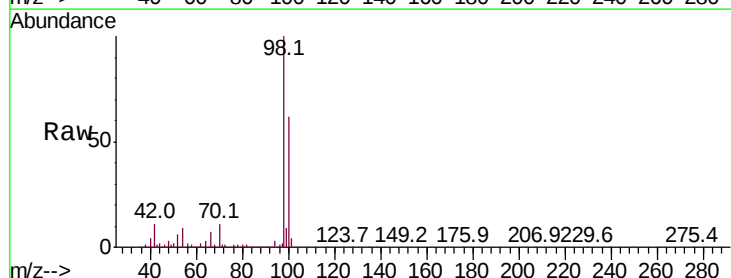
Acq: 01 Sep 2020 14:30

Tgt Ion: 98 Resp: 905216

Ion Ratio Lower Upper

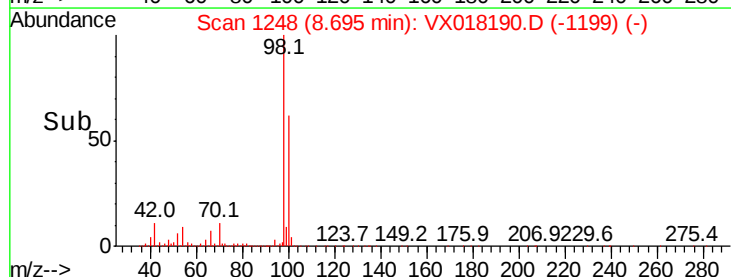
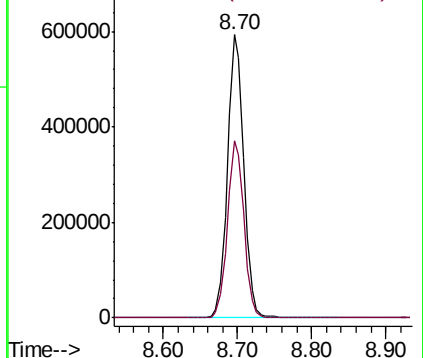
98 100

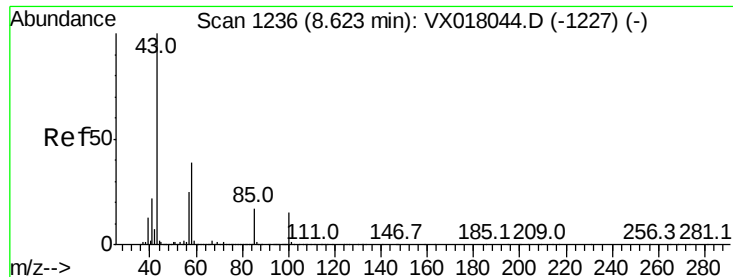
100 63.1 52.2 78.4



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: 17.937 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX018190.D

Acq: 01 Sep 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

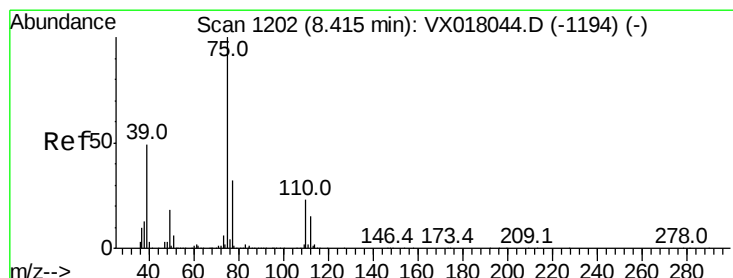
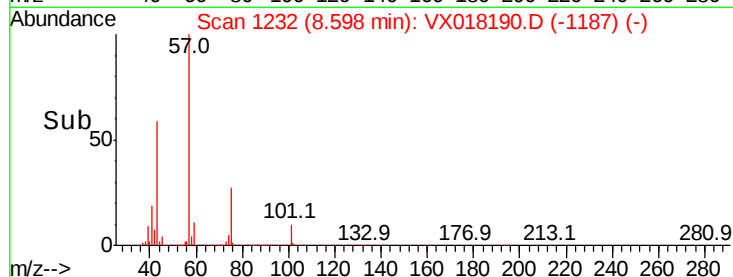
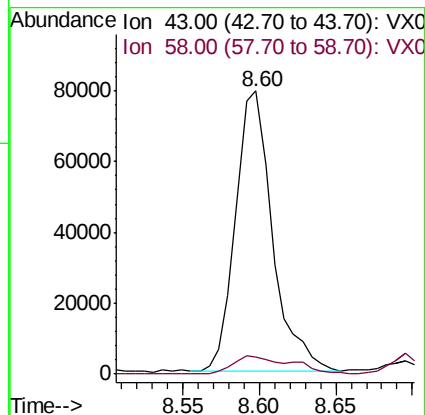
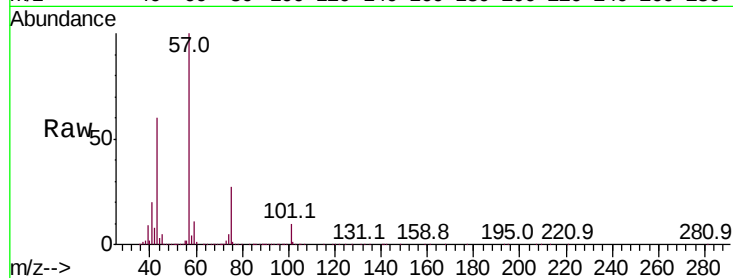
PB131314ZHE#06

Tot Ion: 43 Resp: 133399

Ion Ratio Lower Upper

43 100

58 10.5 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 6.863 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX018190.D

Acq: 01 Sep 2020 14:30

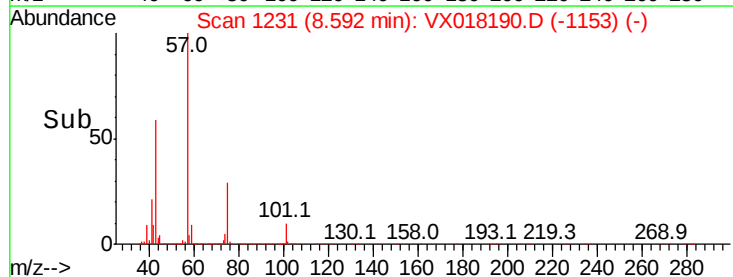
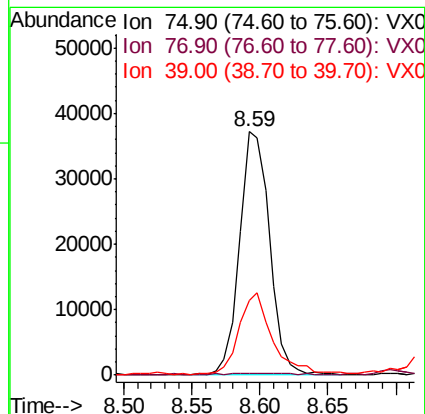
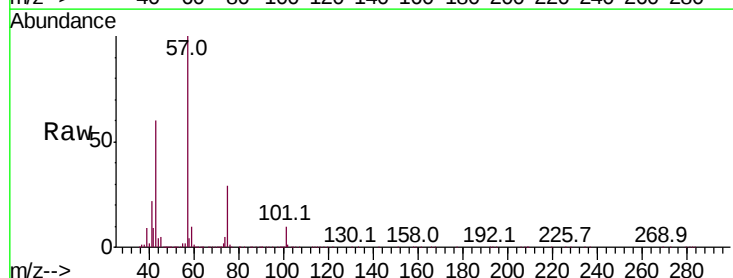
Tgt Ion: 75 Resp: 57504

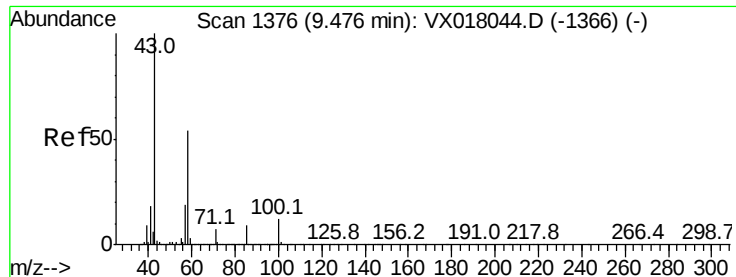
Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.8#

39 30.6 38.8 58.2#

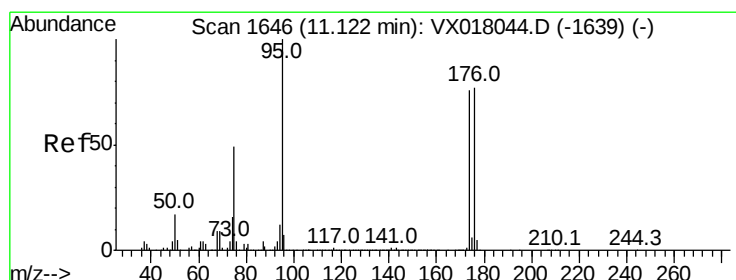
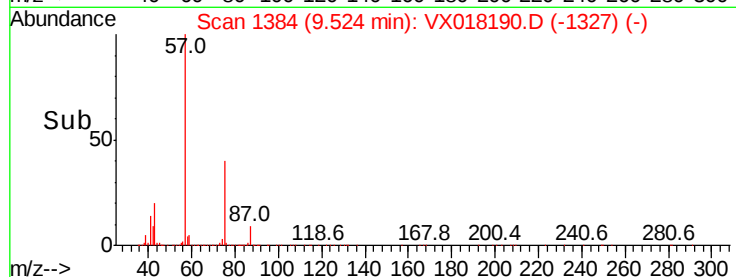
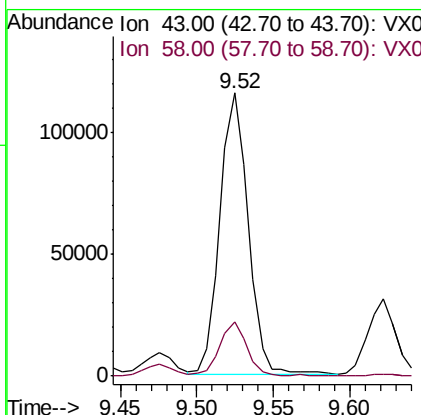
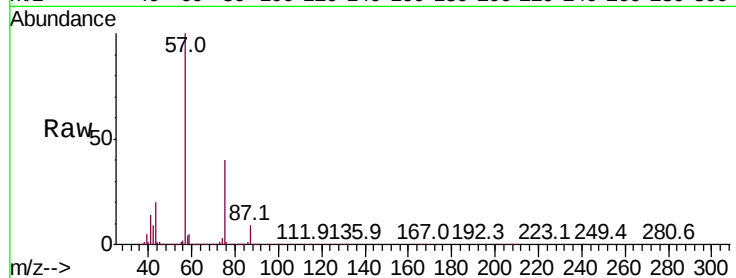




#59
2-Hexanone
Concen: 26.302 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX018190.D
Acq: 01 Sep 2020 14:30

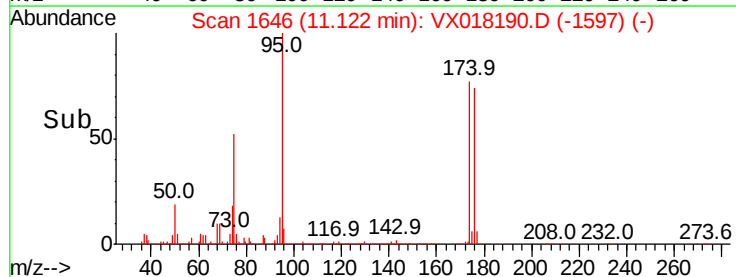
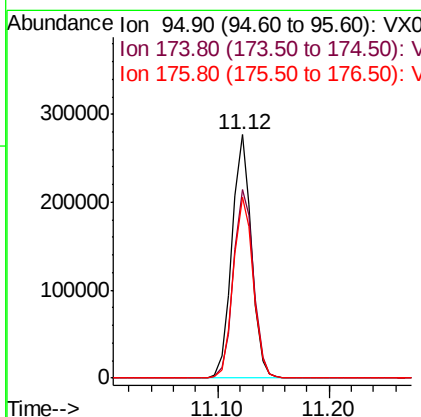
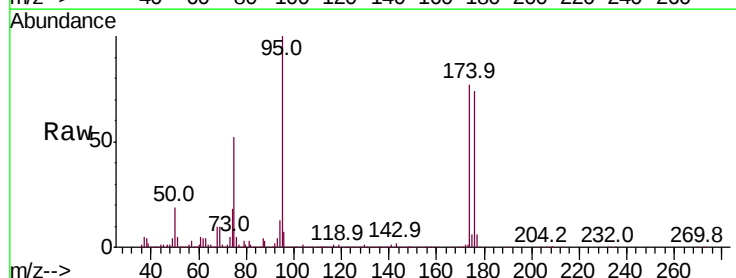
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#06

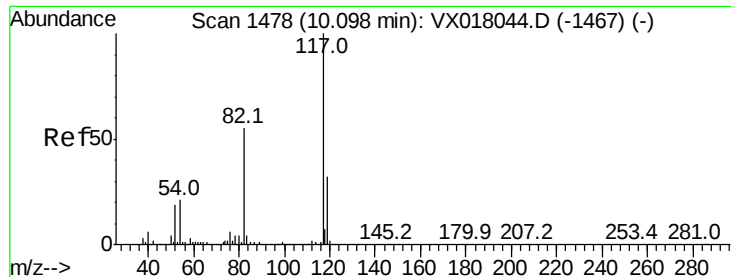
Tot Ion: 43 Resp: 148743
Ion Ratio Lower Upper
43 100
58 18.1 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 48.291 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018190.D
Acq: 01 Sep 2020 14:30

Tgt Ion: 95 Resp: 335360
Ion Ratio Lower Upper
95 100
174 79.9 0.0 160.2
176 76.5 0.0 155.8

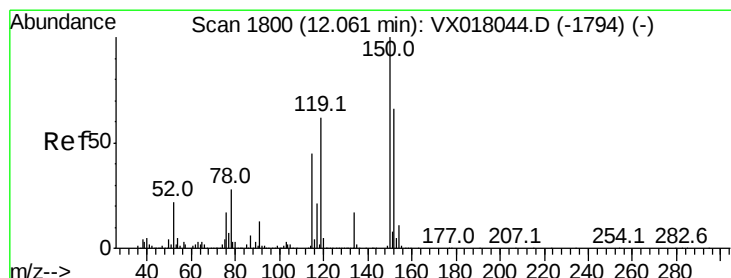
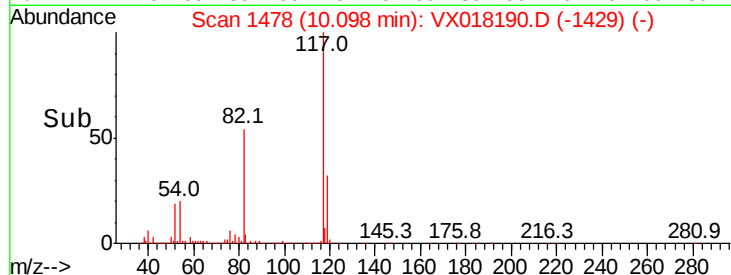
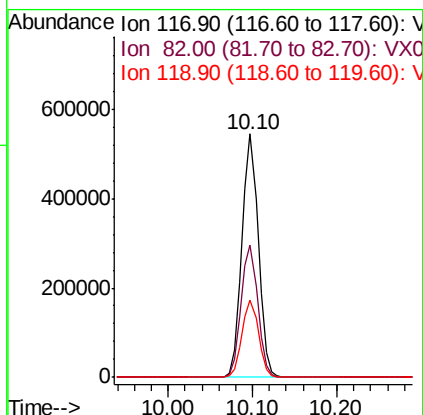
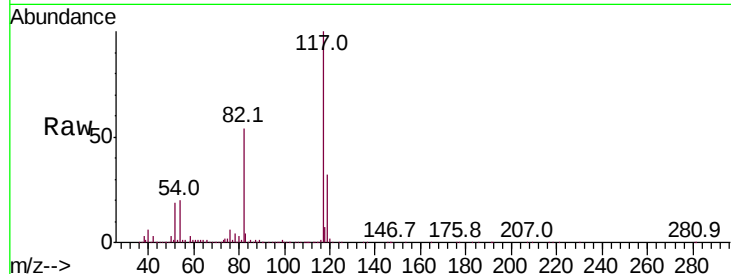




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018190.D
Acq: 01 Sep 2020 14:30

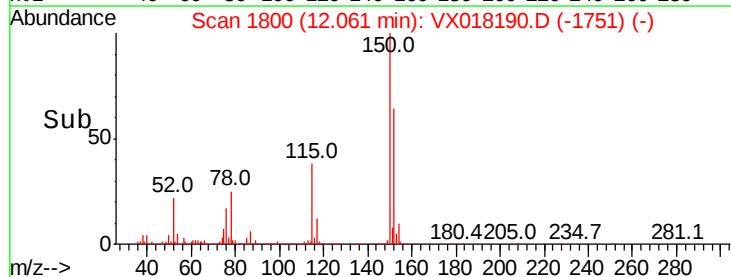
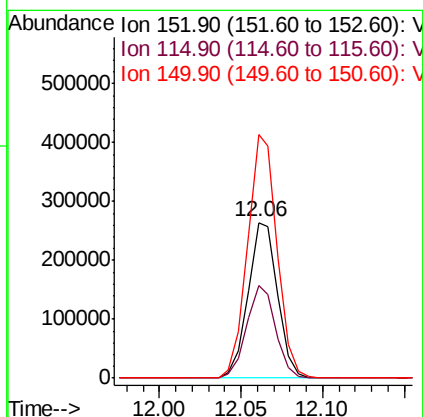
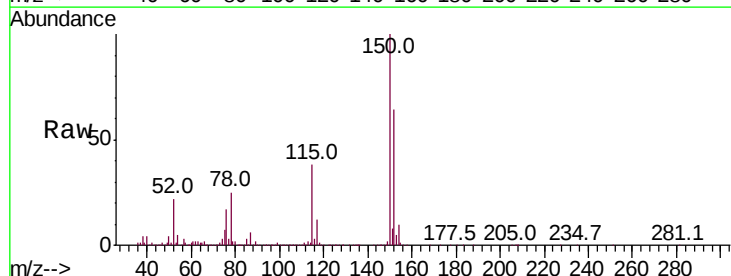
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#06

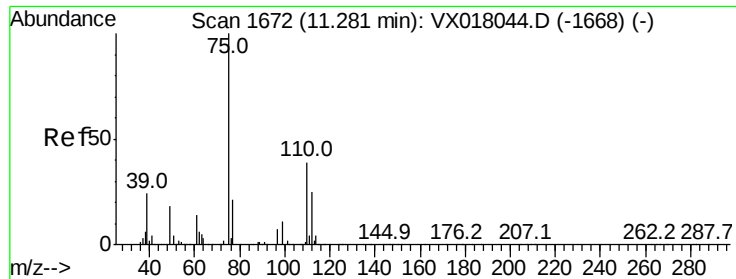
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.2	66.2
119	31.9	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018190.D
Acq: 01 Sep 2020 14:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	41.5	124.5
150	156.3	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 23.384 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018190.D

Acq: 01 Sep 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

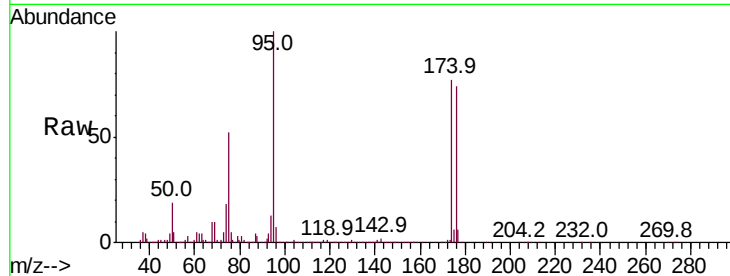
PB131314ZHE#06

Tot Ion: 75 Resp: 173483

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

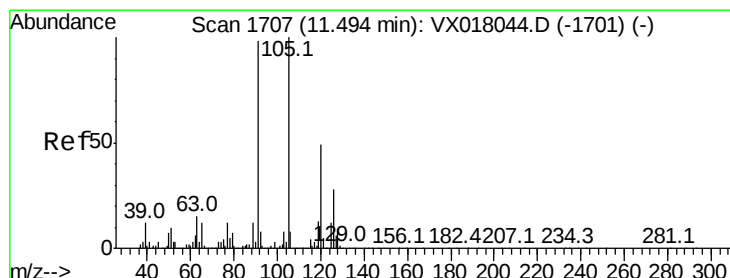
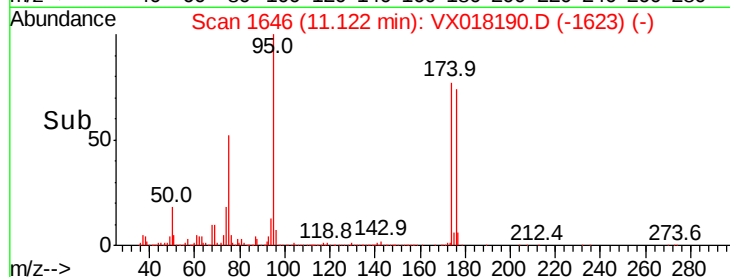
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.305 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018190.D

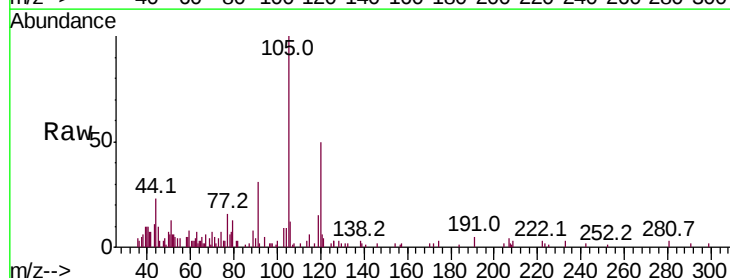
Acq: 01 Sep 2020 14:30

Tgt Ion:105 Resp: 5516

Ion Ratio Lower Upper

105 100

120 51.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

4000

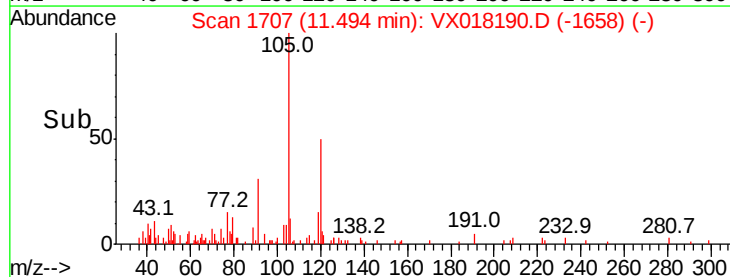
3000

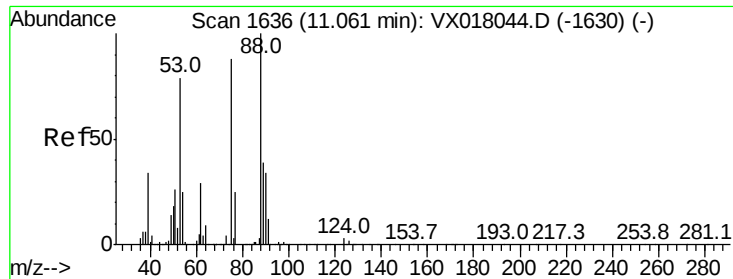
2000

1000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 63.157 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018190.D

Acq: 01 Sep 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#06

Tot Ion: 75 Resp: 173483

Ion Ratio Lower Upper

75 100

53 0.6 74.7 112.1#

89 0.1 36.6 54.8#

