

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090120\
 Data File : VX018186.D
 Acq On : 01 Sep 2020 12:59
 Operator : JC/SP
 Sample : PB131314ZHE#02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314ZHE#02

Quant Time: Sep 02 02:48:52 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	458266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	743068	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	720148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	331153	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	328510	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
35) Dibromofluoromethane	5.47	113	254990	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
50) Toluene-d8	8.70	98	921593	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.12	95	341640	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	

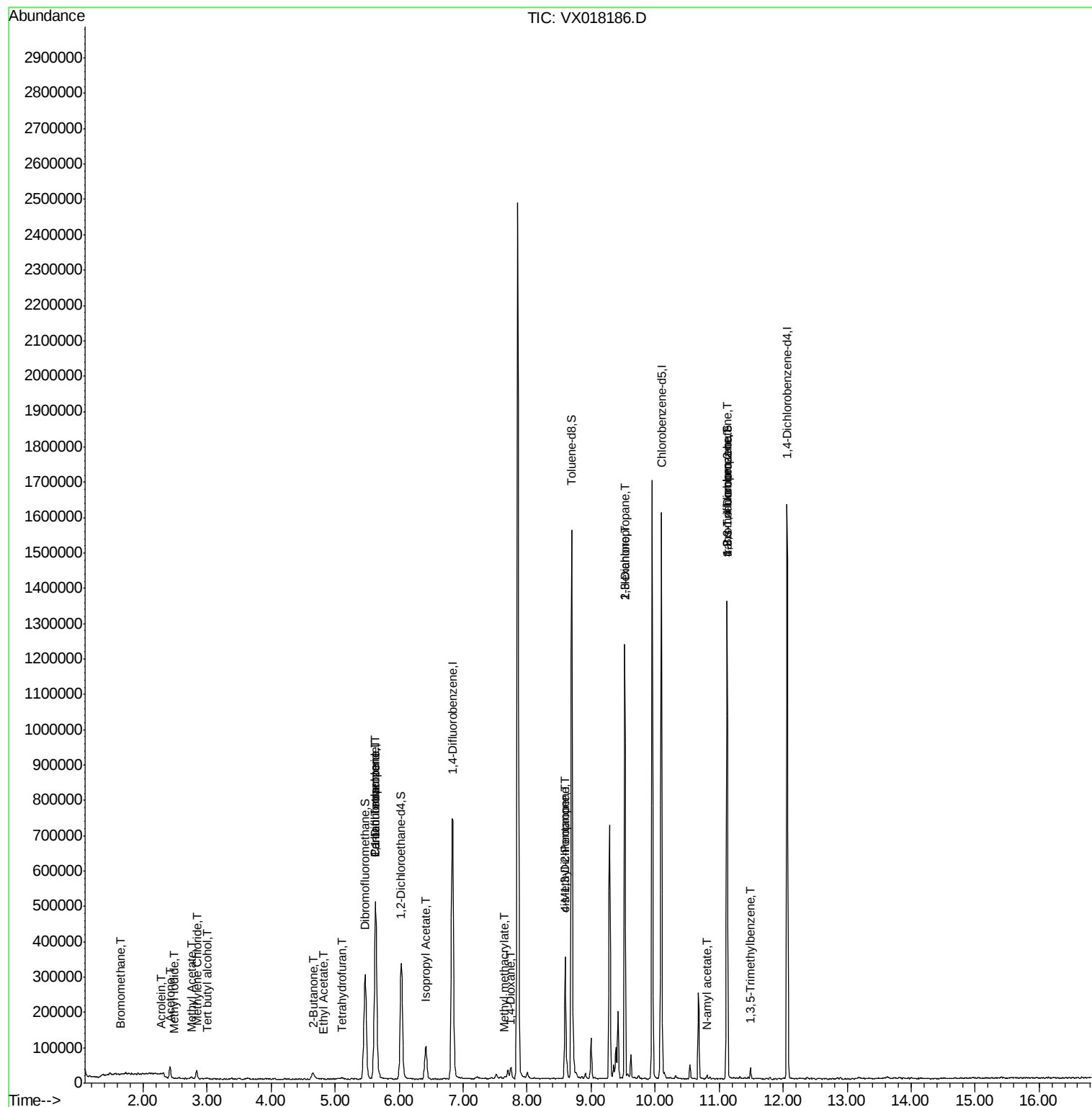
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	752	0.266	ug/l #	22
10) Methyl Iodide	2.48	142	364	5.357	ug/l #	38
11) Tert butyl alcohol	3.00	59	3355	2.712	ug/l #	71
13) Acrolein	2.29	56	975	1.901	ug/l #	41
16) Acetone	2.42	43	34223	13.805	ug/l	98
18) Methyl Acetate	2.75	43	8225	1.375	ug/l	97
20) Methylene Chloride	2.83	84	11250	1.077	ug/l	92
25) 2-Butanone	4.65	43	10823	2.657	ug/l #	70
29) Tetrahydrofuran	5.10	42	3967	1.530	ug/l #	84
36) 1,1-Dichloropropene	5.64	75	35288	5.149	ug/l #	51
37) Ethyl Acetate	4.81	43	2032	0.255	ug/l #	86
38) Carbon Tetrachloride	5.63	117	47600	6.163	ug/l #	17
43) Isopropyl Acetate	6.42	43	127736	9.935	ug/l	99
48) Methyl methacrylate	7.65	41	7736	1.209	ug/l #	16
49) 1,4-Dioxane	7.73	88	340	2.933	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	129903	16.357	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	53549	5.985	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	9534	1.061	ug/l #	46
59) 2-Hexanone	9.52	43	142386	23.578	ug/l #	51
74) N-amyl acetate	10.80	43	5359	0.517	ug/l #	57
76) 1,2,3-Trichloropropane	11.12	75	176902	24.014	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	11926	0.664	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.12	75	176902	64.858	ug/l #	12

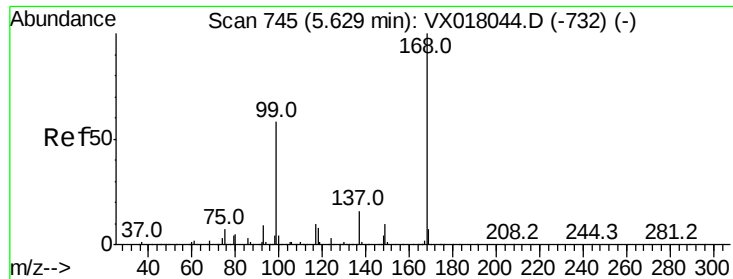
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 01 Sep 2020 12:59
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Instrument :
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Quant Time: Sep 02 02:48:52 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# 745

Delta R.T. -0.00 min

Lab File: VX018186.D

Acq: 01 Sep 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

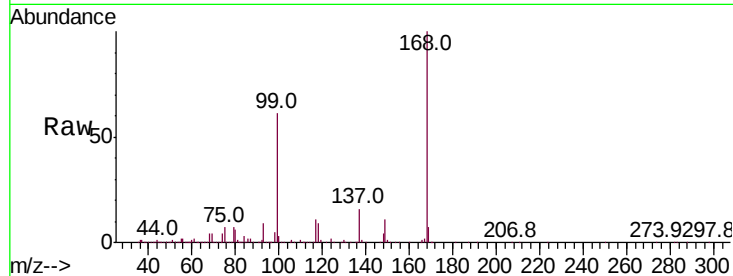
PB131314ZHE#02

Tot Ion:168 Resp: 458266

Ion Ratio Lower Upper

168 100

99 61.2 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

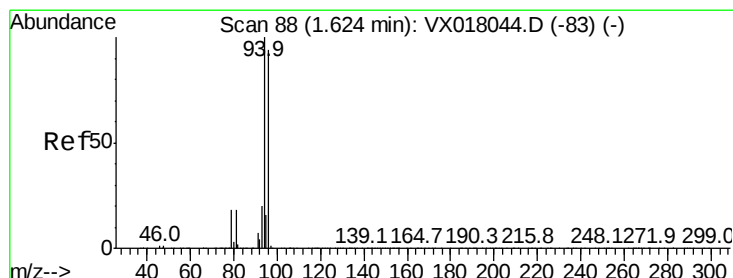
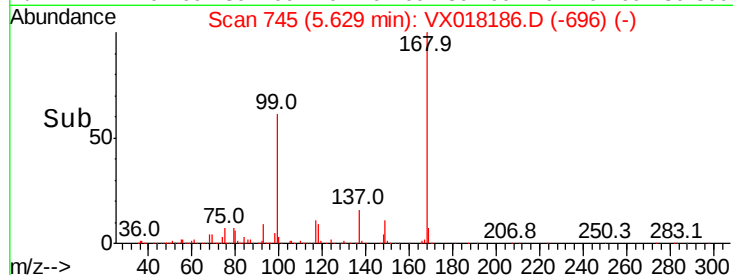
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.266 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018186.D

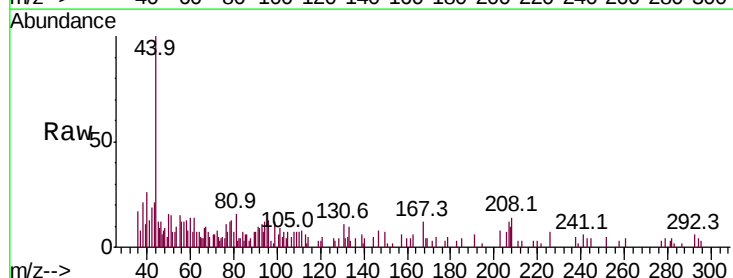
Acq: 01 Sep 2020 12:59

Tgt Ion: 94 Resp: 752

Ion Ratio Lower Upper

94 100

96 18.4 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

500

400

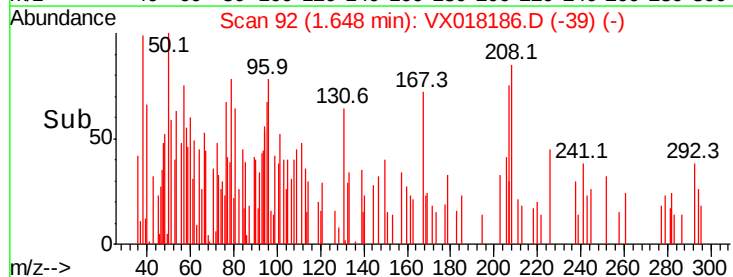
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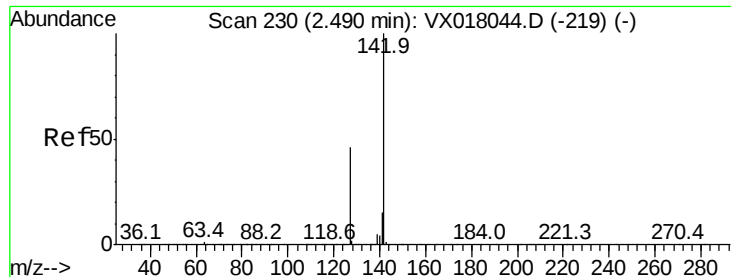
200

100

0

Time-->

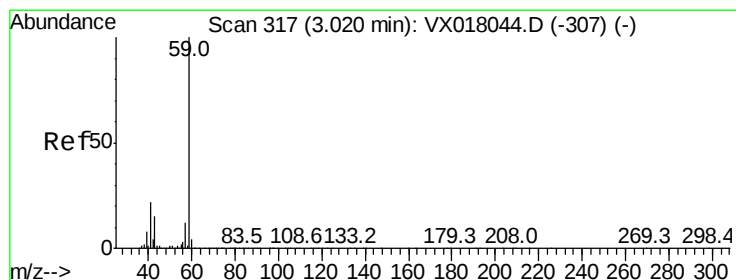
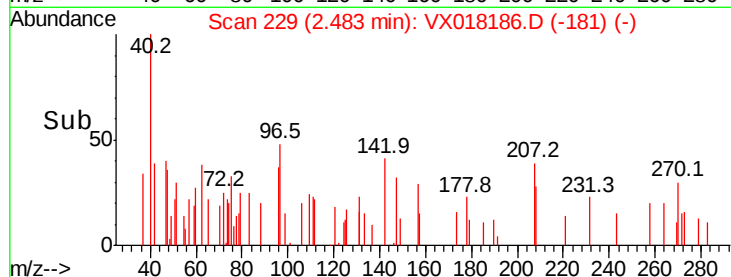
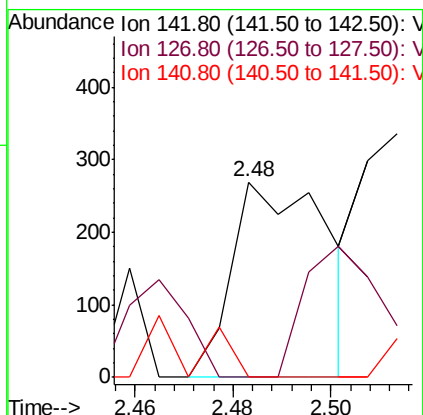
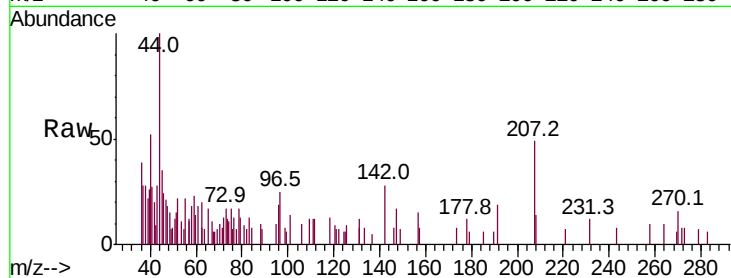




#10
Methyl Iodide
Concen: 5.357 ug/l
RT: 2.48 min Scan# 229
Delta R.T. -0.01 min
Lab File: VX018186.D
Acq: 01 Sep 2020 12:59

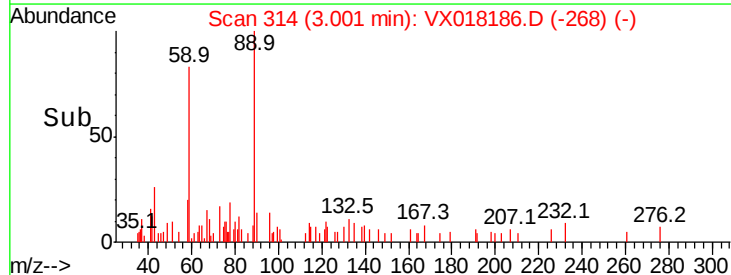
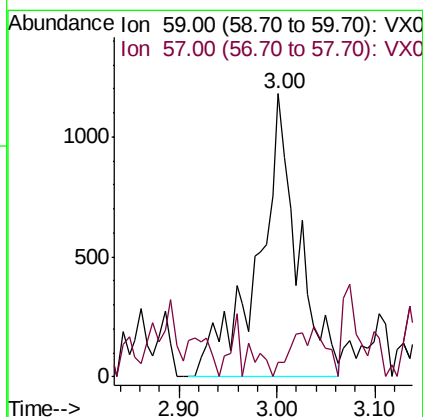
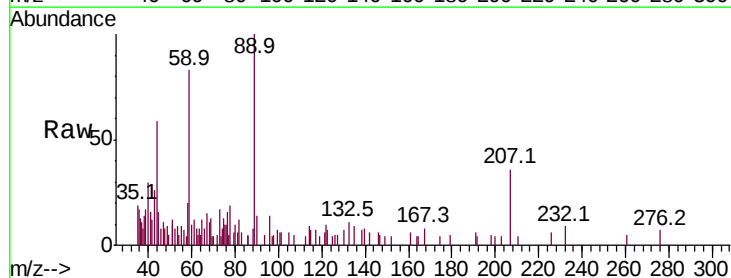
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#02

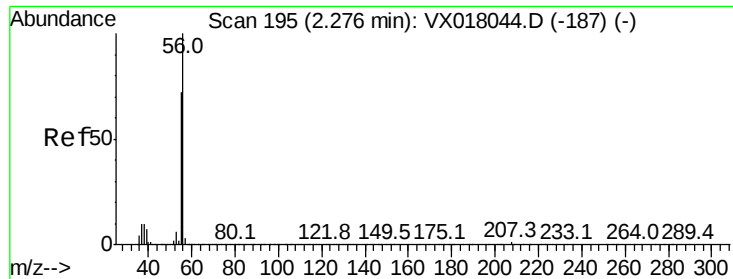
Tot Ion:142 Resp: 364
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 2.712 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018186.D
Acq: 01 Sep 2020 12:59

Tgt Ion: 59 Resp: 3355
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

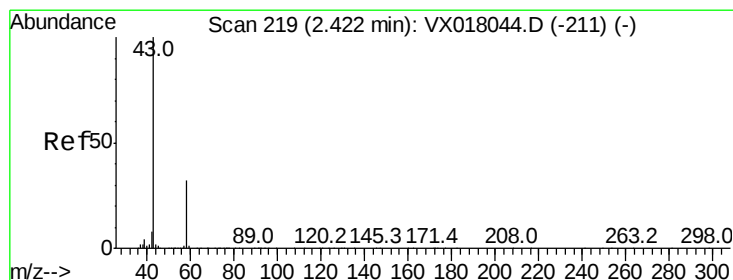
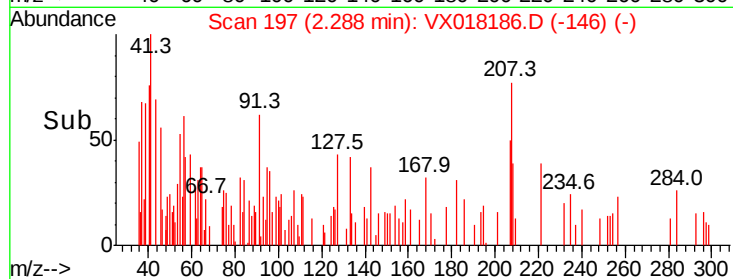
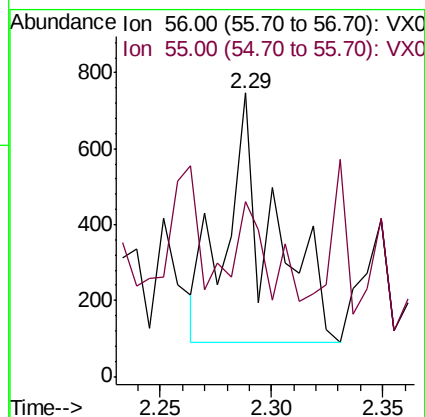
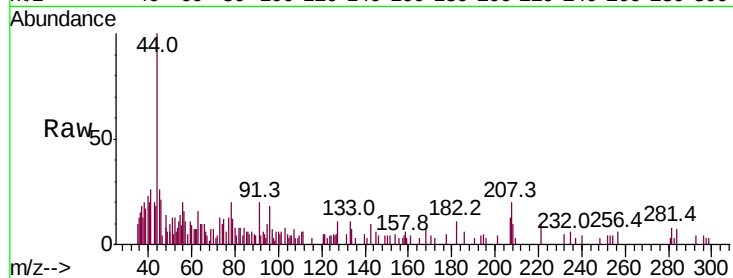




#13
Acrolein
Concen: 1.901 ug/l
RT: 2.29 min Scan# 197
Delta R.T. 0.01 min
Lab File: VX018186.D
Acq: 01 Sep 2020 12:59

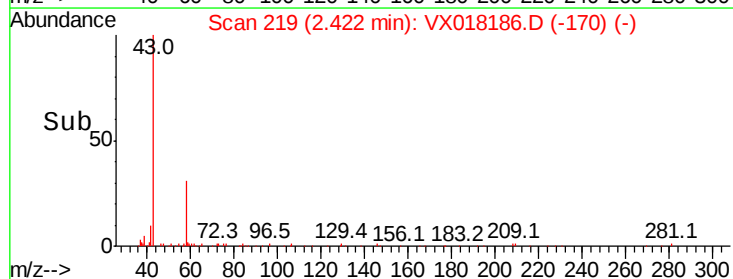
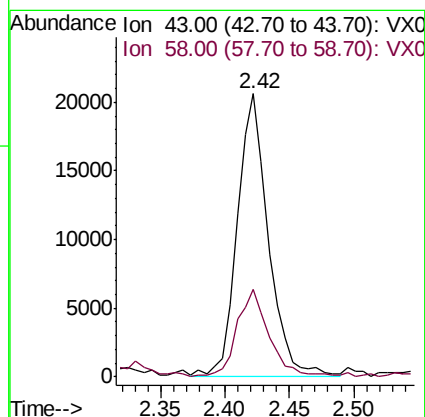
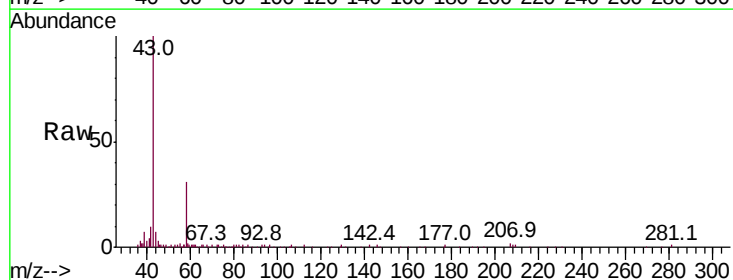
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#02

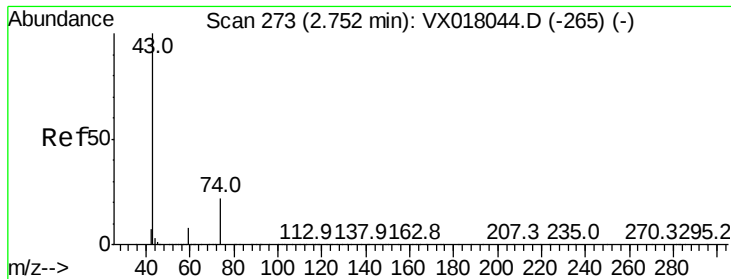
Tot Ion: 56 Resp: 975
Ion Ratio Lower Upper
56 100
55 22.7 57.0 85.6#



#16
Acetone
Concen: 13.805 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018186.D
Acq: 01 Sep 2020 12:59

Tgt Ion: 43 Resp: 34223
Ion Ratio Lower Upper
43 100
58 30.5 25.5 38.3

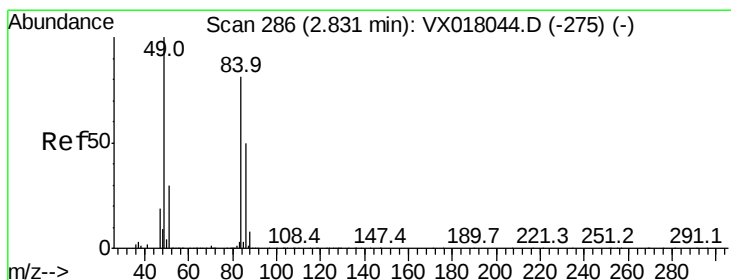
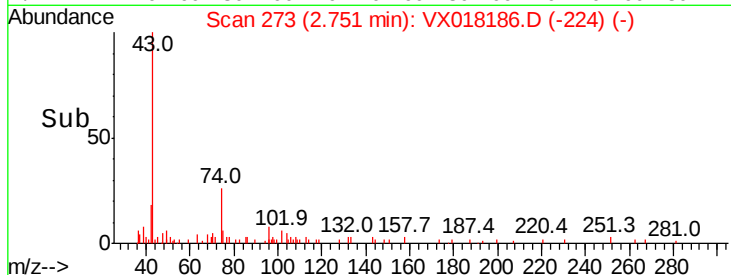
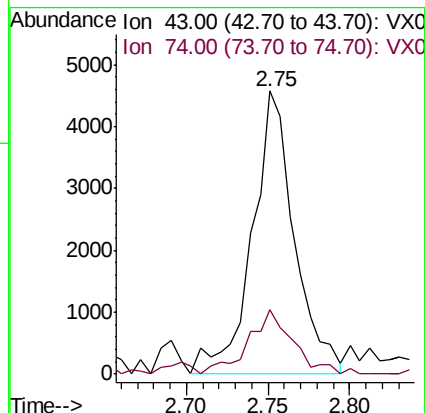
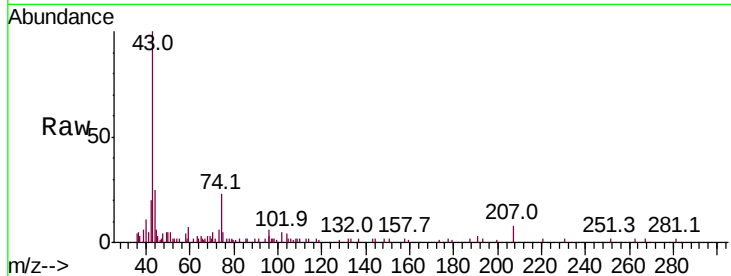




#18
Methvl Acetate
Concen: 1.375 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018186.D
Acq: 01 Sep 2020 12:59

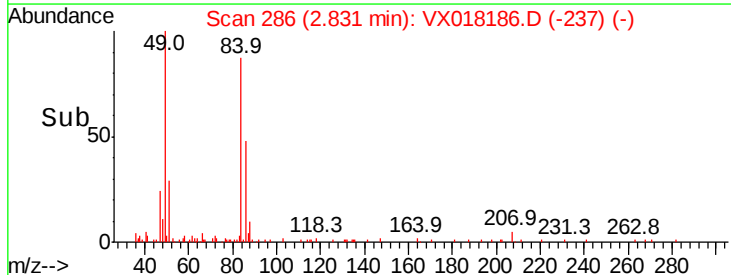
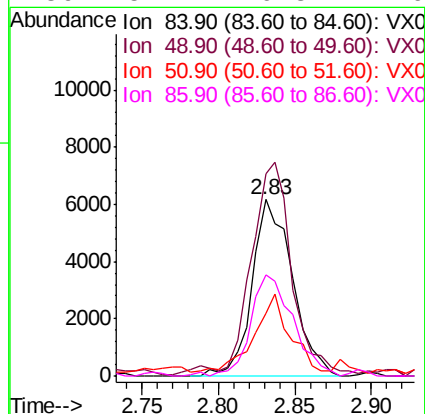
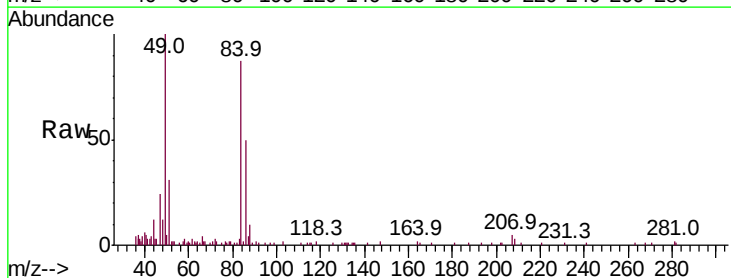
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#02

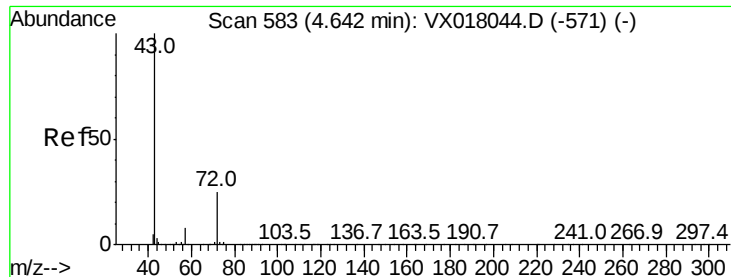
Tot Ion: 43 Resp: 8225
Ion Ratio Lower Upper
43 100
74 24.1 18.2 27.4



#20
Methylene Chloride
Concen: 1.077 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018186.D
Acq: 01 Sep 2020 12:59

Tgt Ion: 84 Resp: 11250
Ion Ratio Lower Upper
84 100
49 111.8 98.6 148.0
51 33.7 29.6 44.4
86 57.1 49.8 74.6

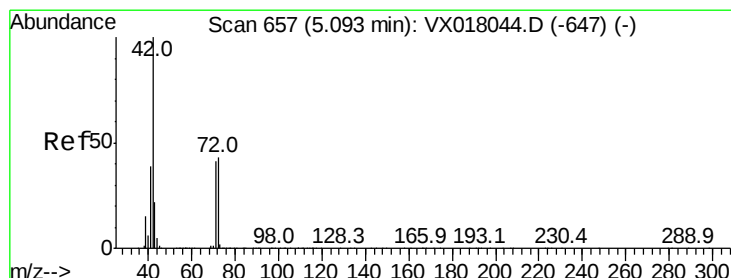
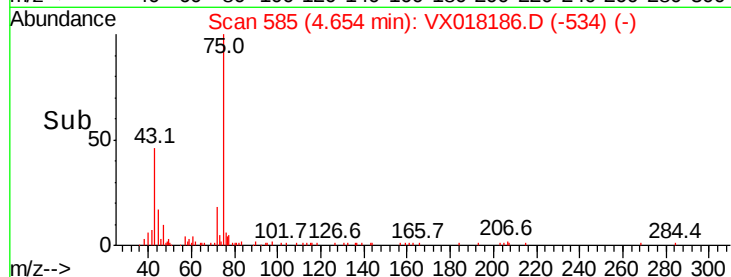
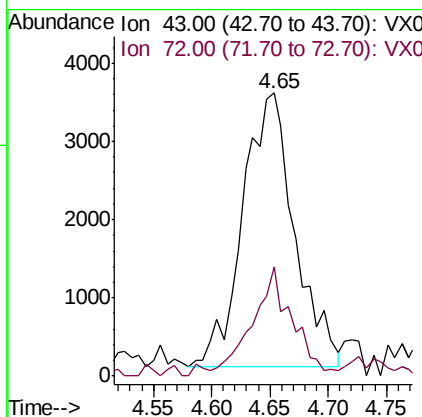
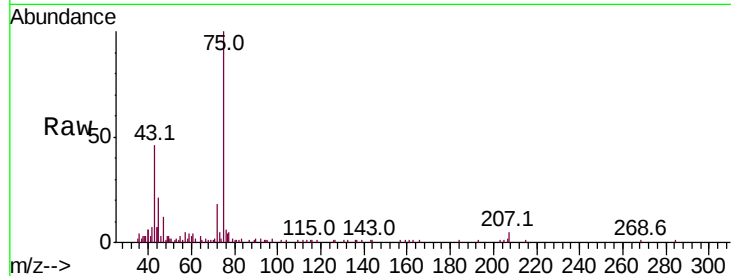




#25
2-Butanone
Concen: 2.657 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX018186.D
Acq: 01 Sep 2020 12:59

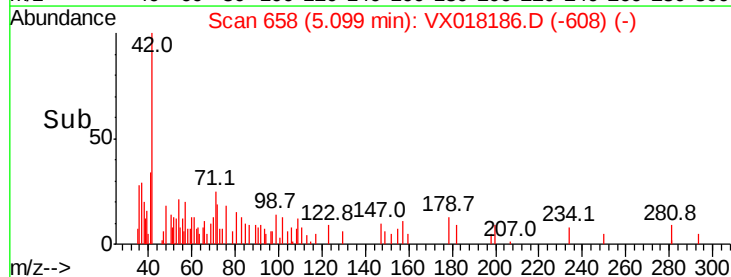
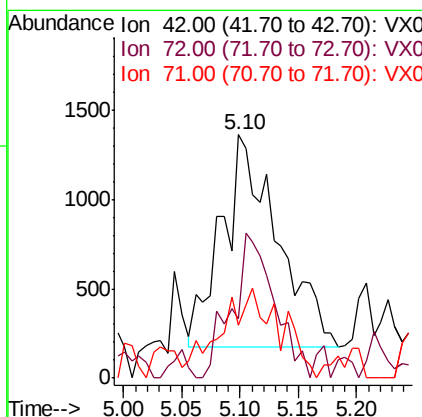
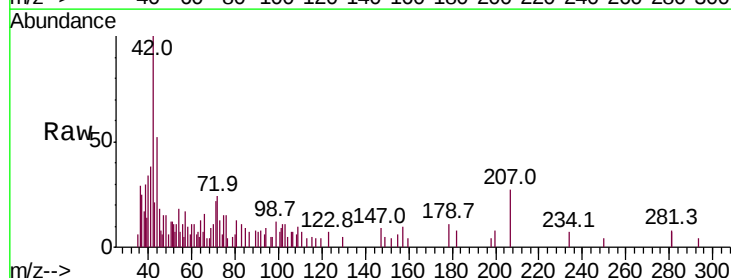
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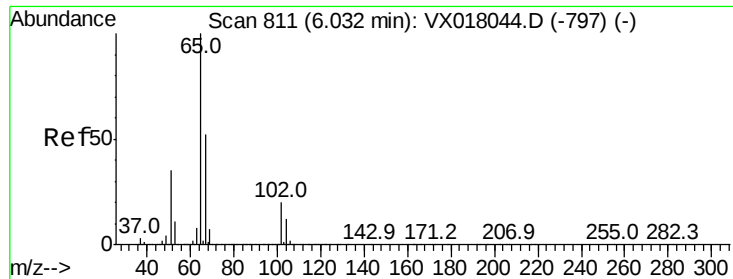
Tot Ion: 43 Resp: 10823
Ion Ratio Lower Upper
43 100
72 39.8 19.8 29.6#



#29
Tetrahydrofuran
Concen: 1.530 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX018186.D
Acq: 01 Sep 2020 12:59

Tgt Ion: 42 Resp: 3967
Ion Ratio Lower Upper
42 100
72 51.5 34.2 51.4#
71 29.1 32.1 48.1#

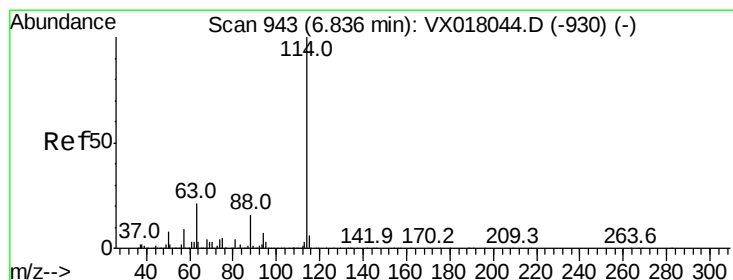
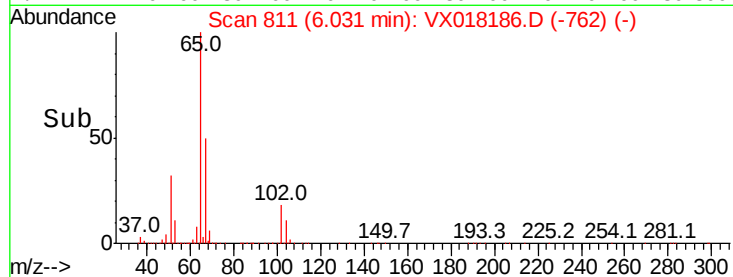
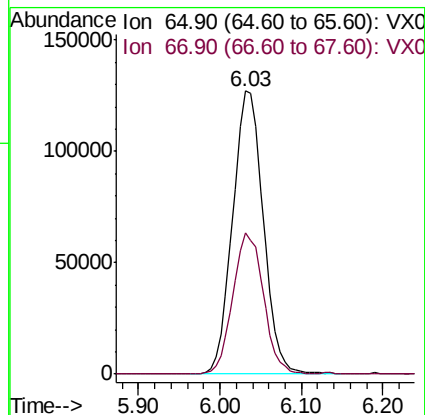
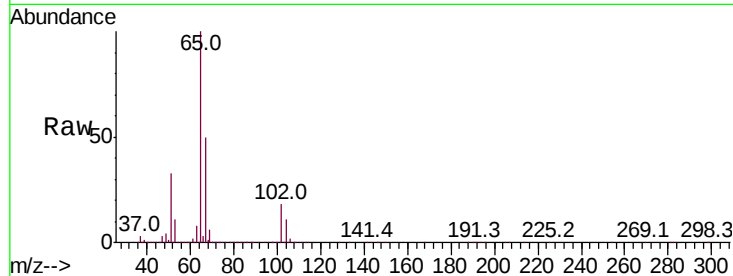




#33
 1,2-Dichloroethane-d4
 Concen: 51.637 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018186.D
 Acq: 01 Sep 2020 12:59

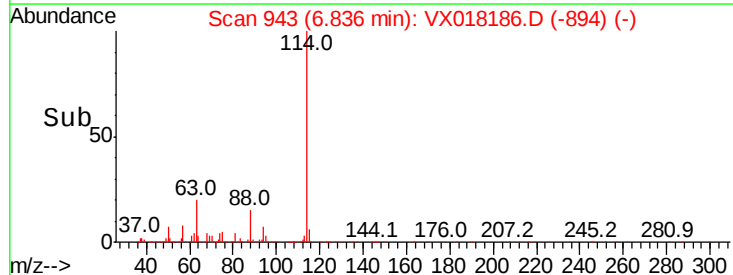
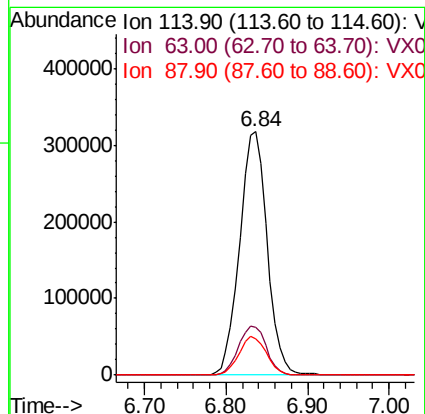
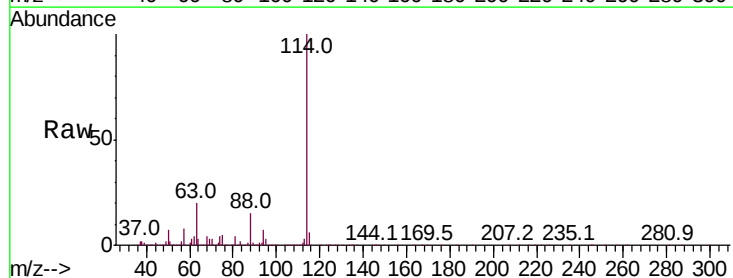
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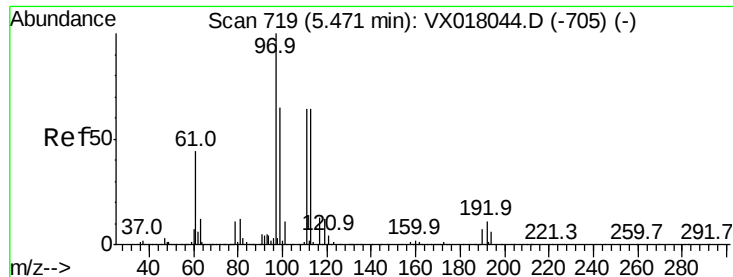
Tot Ion: 65 Resp: 328510
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018186.D
 Acq: 01 Sep 2020 12:59

Tgt Ion: 114 Resp: 743068
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.6
 88 14.9 0.0 31.8

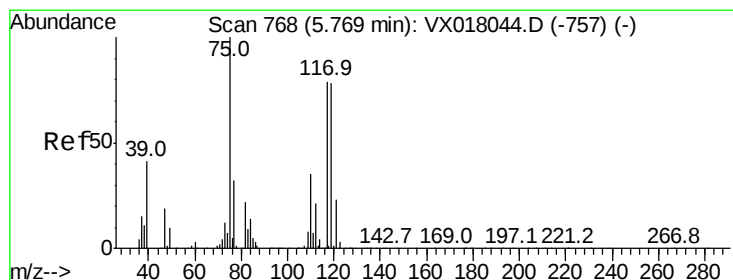
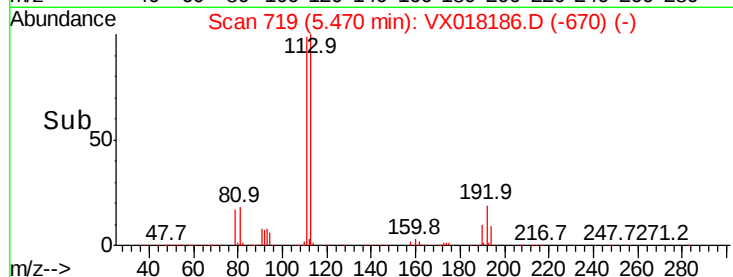
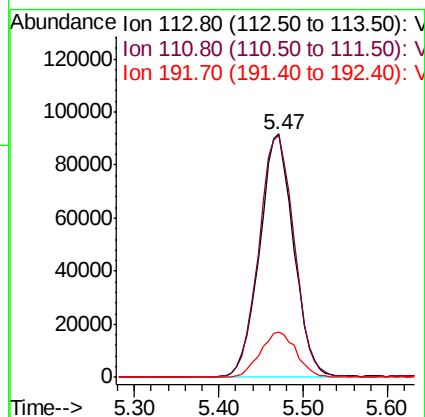
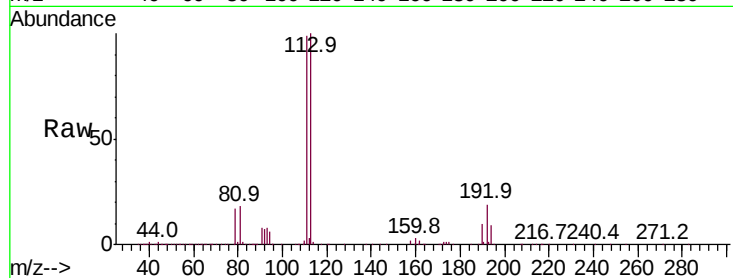




#35
 Dibromofluoromethane
 Concen: 50.387 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018186.D
 Acq: 01 Sep 2020 12:59

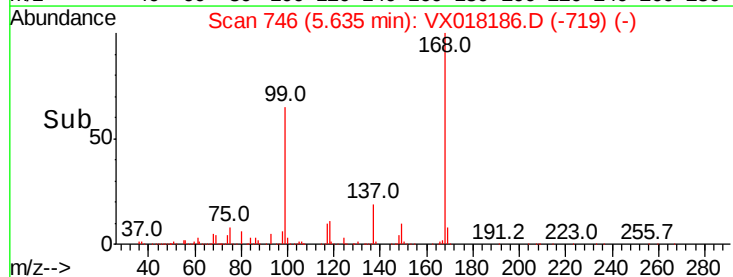
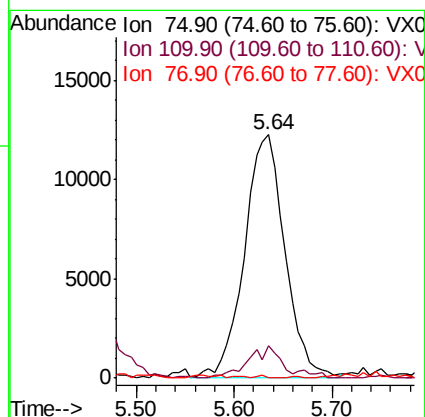
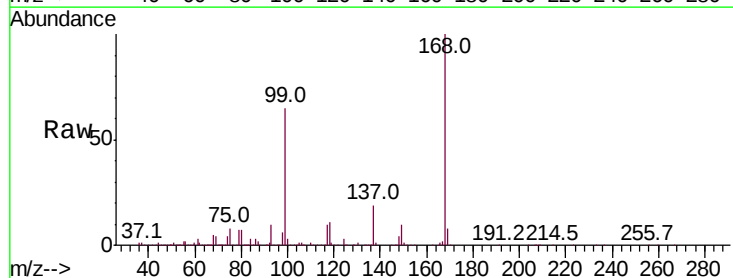
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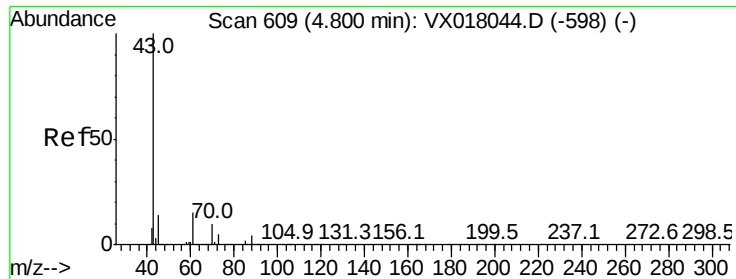
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.6	122.4
192	19.8	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.149 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018186.D
 Acq: 01 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.0	54.0#
77	0.3	24.4	36.6#

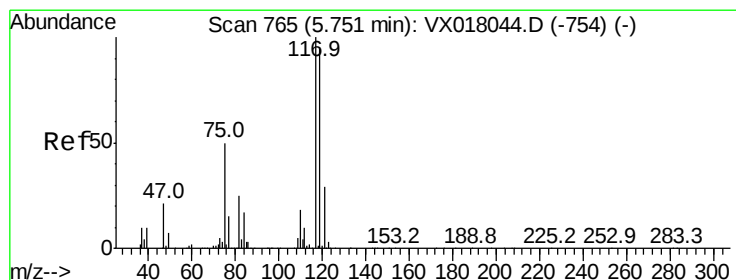
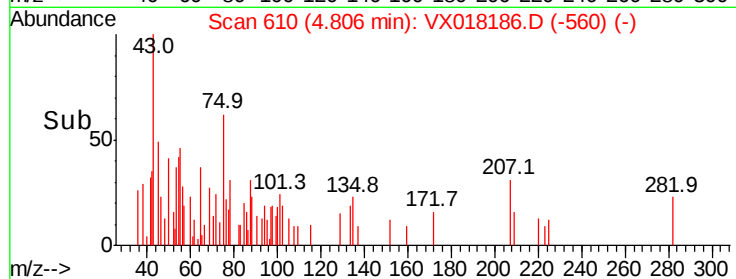
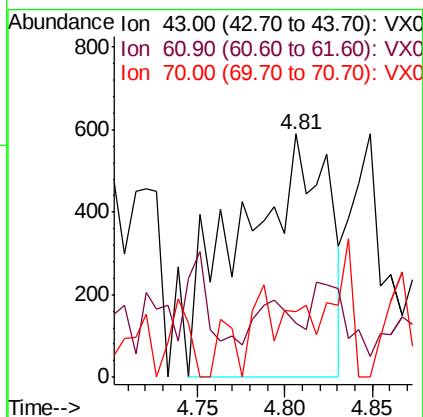
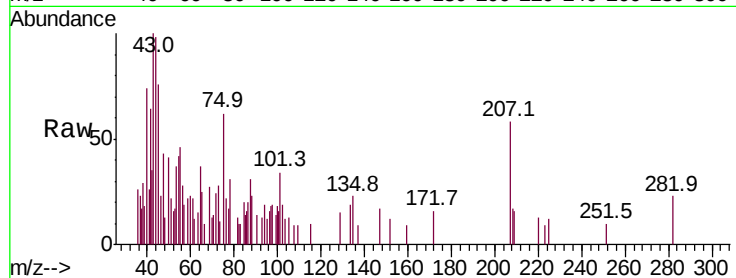




#37
Ethyl Acetate
Concen: 0.255 ug/l
RT: 4.81 min Scan# 610
Delta R.T. 0.01 min
Lab File: VX018186.D
Acq: 01 Sep 2020 12:59

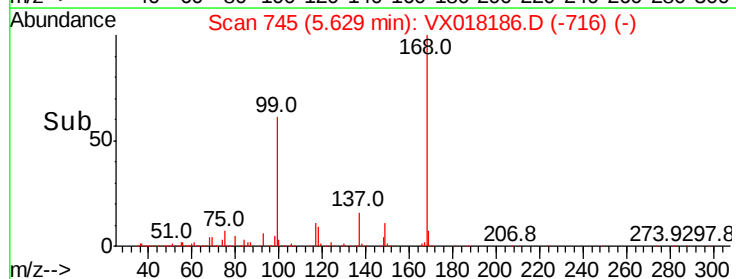
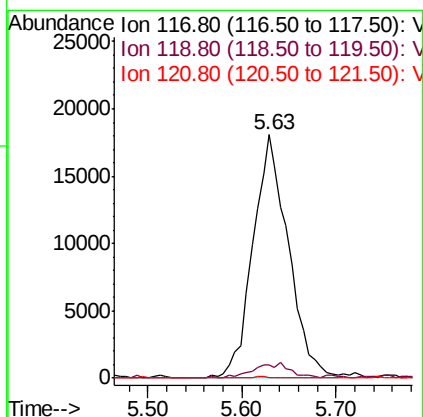
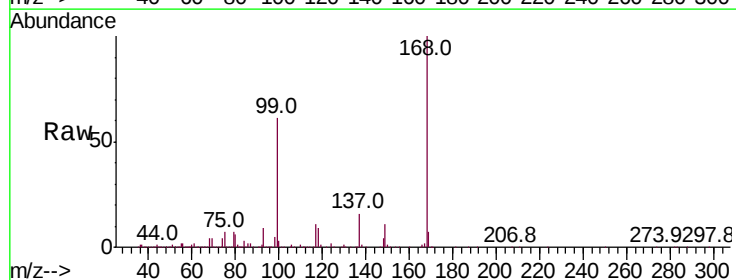
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#02

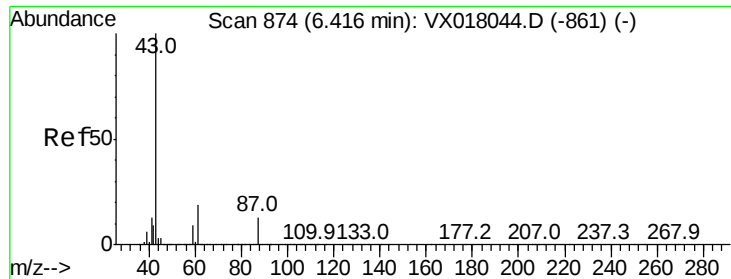
Tot Ion: 43 Resp: 2032
Ion Ratio Lower Upper
43 100
61 12.5 11.3 16.9
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 6.163 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX018186.D
Acq: 01 Sep 2020 12:59

Tgt Ion: 117 Resp: 47600
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 23.4 35.0#





#43

Isopropyl Acetate

Concen: 9.935 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018186.D

Acq: 01 Sep 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#02

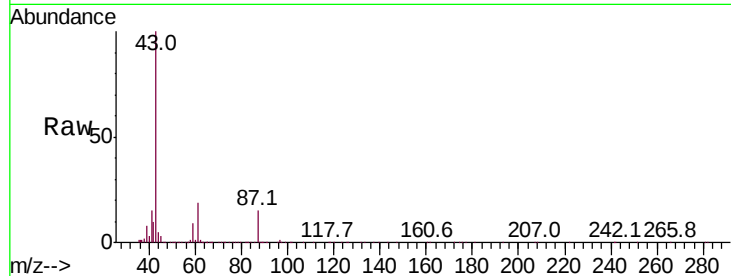
Tot Ion: 43 Resp: 127736

Ion Ratio Lower Upper

43 100

61 19.6 15.7 23.5

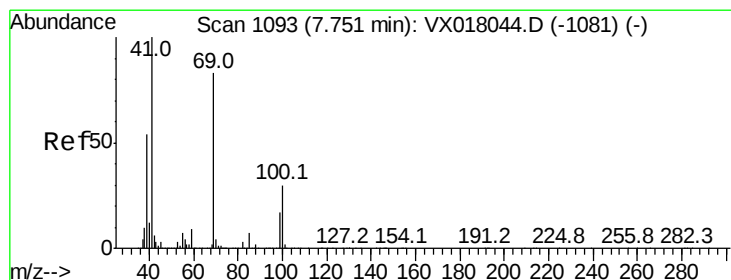
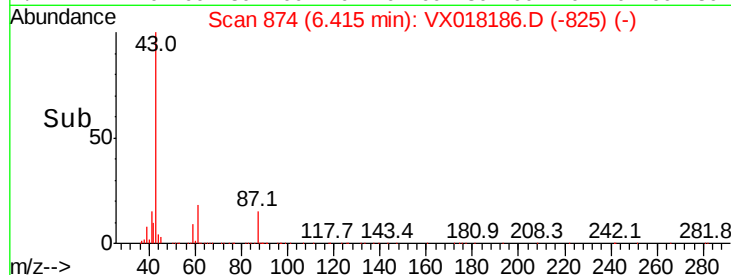
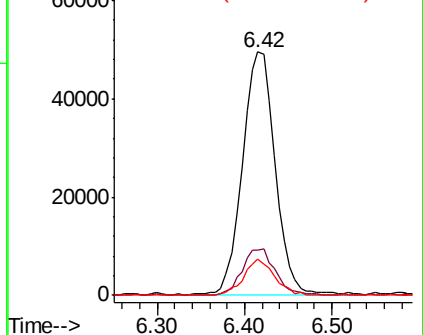
87 14.2 10.3 15.5



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: 1.209 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.10 min

Lab File: VX018186.D

Acq: 01 Sep 2020 12:59

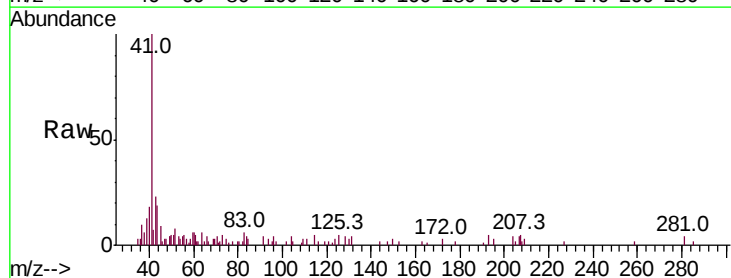
Tgt Ion: 41 Resp: 7736

Ion Ratio Lower Upper

41 100

69 2.4 65.5 98.3#

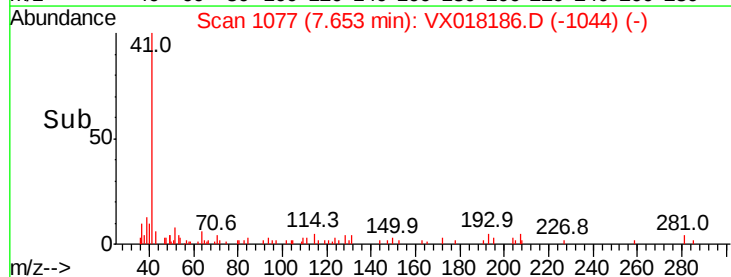
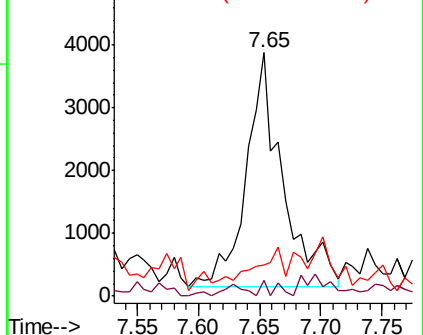
39 0.0 44.5 66.7#

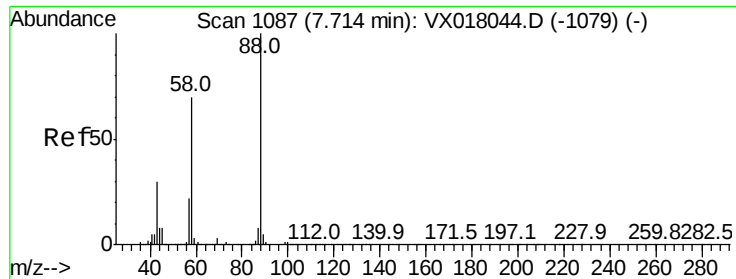


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 2.933 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX018186.D

Acq: 01 Sep 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#02

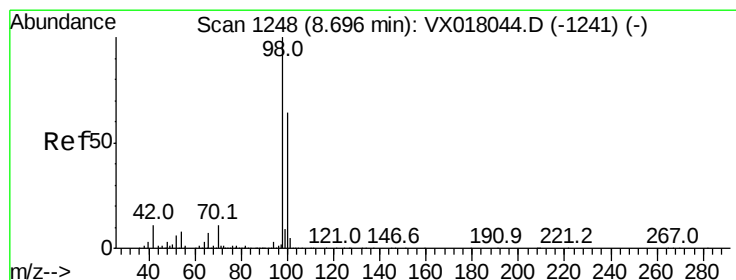
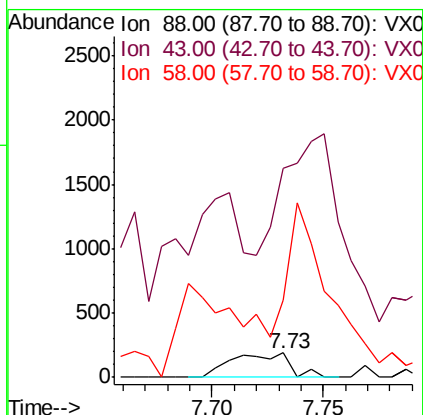
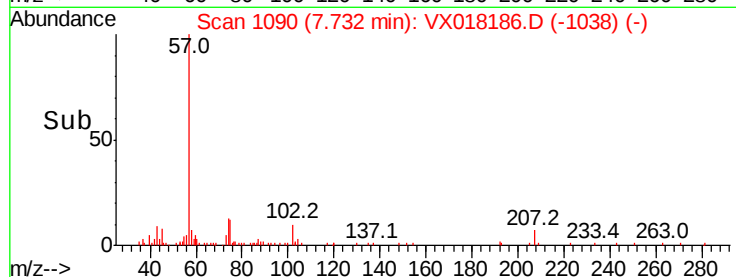
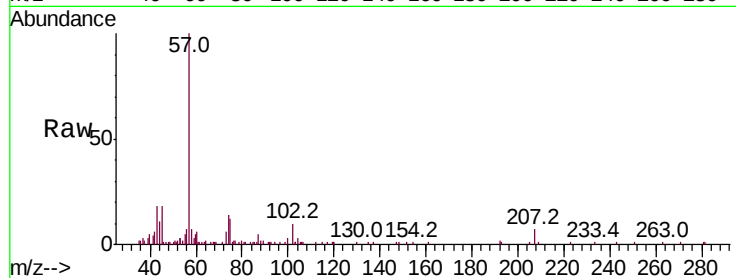
Tot Ion: 88 Resp: 340

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 567.9 56.4 84.6#



#50

Toluene-d8

Concen: 48.894 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018186.D

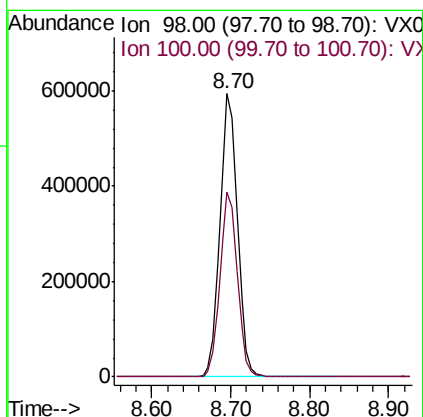
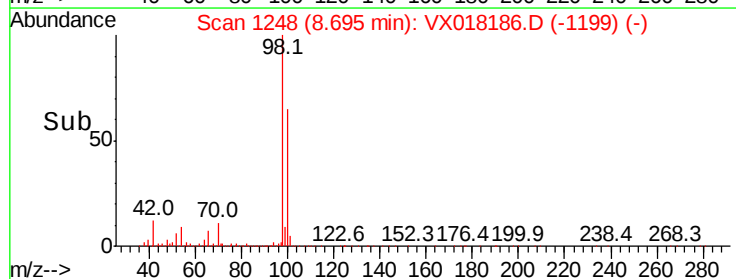
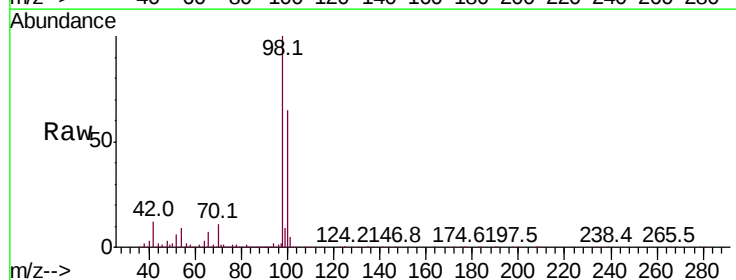
Acq: 01 Sep 2020 12:59

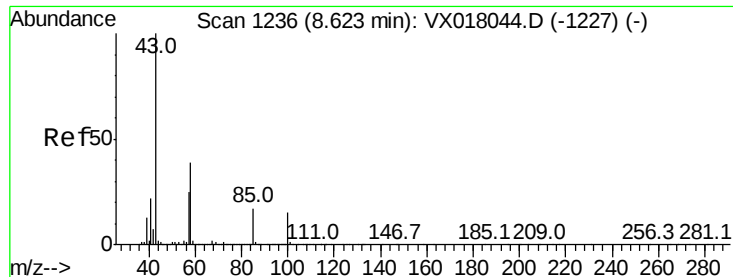
Tgt Ion: 98 Resp: 921593

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 16.357 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX018186.D

Acq: 01 Sep 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

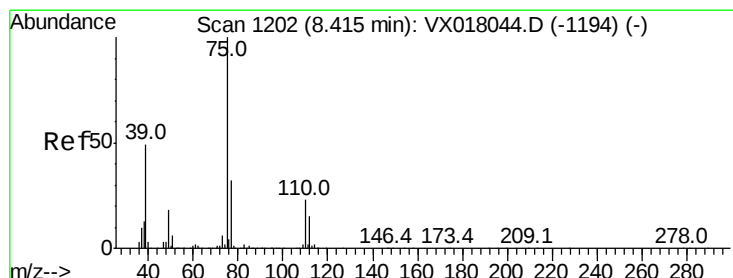
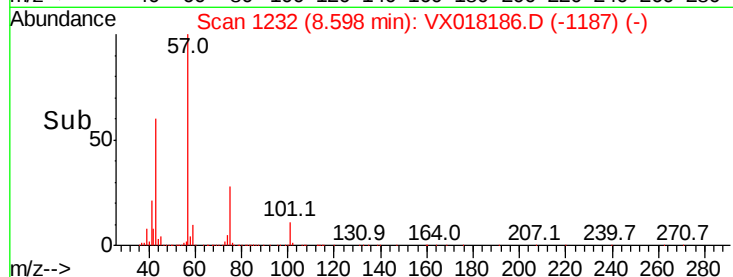
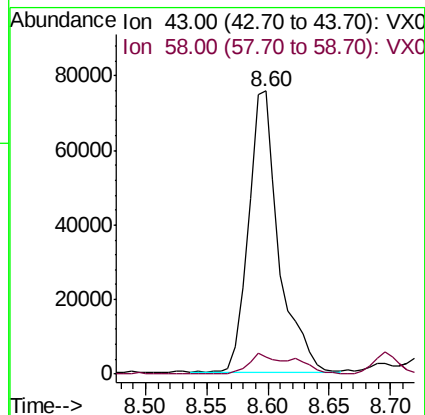
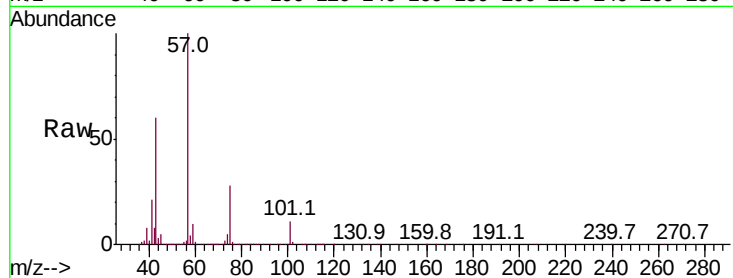
PB131314ZHE#02

Tot Ion: 43 Resp: 129903

Ion Ratio Lower Upper

43 100

58 6.7 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 5.985 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018186.D

Acq: 01 Sep 2020 12:59

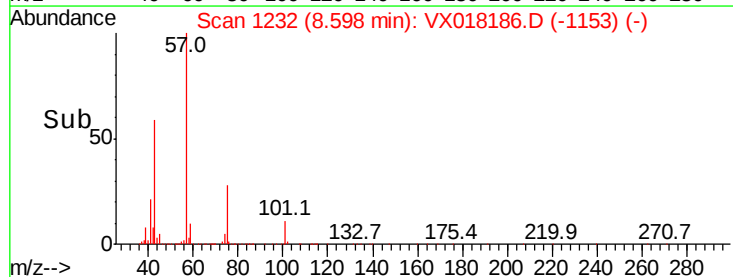
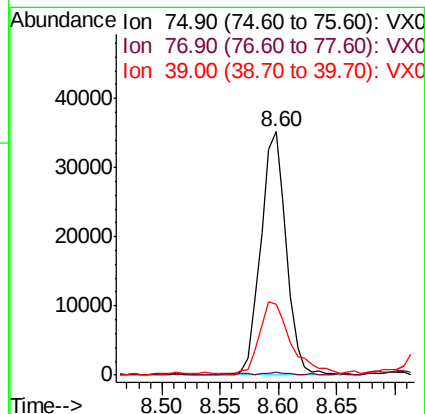
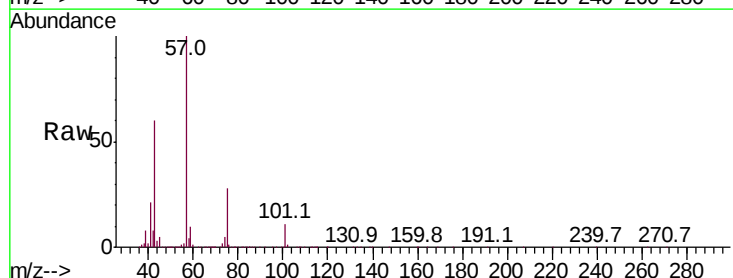
Tgt Ion: 75 Resp: 53549

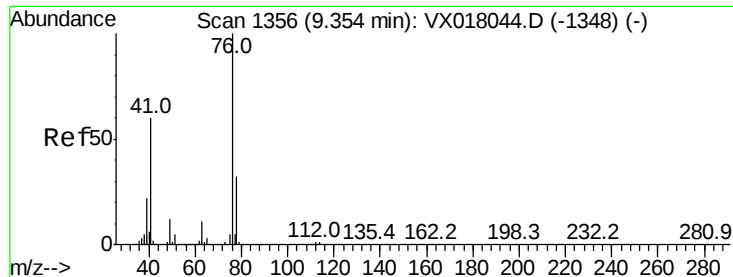
Ion Ratio Lower Upper

75 100

77 0.9 25.8 38.8#

39 28.8 38.8 58.2#





#57

1,3-Dichloropropane

Concen: 1.061 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX018186.D

Acq: 01 Sep 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

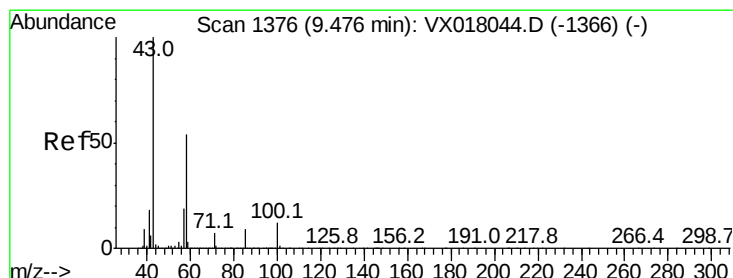
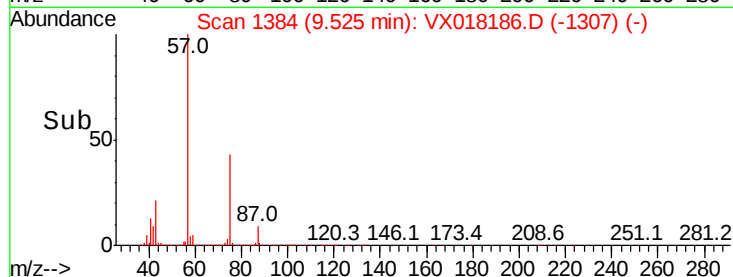
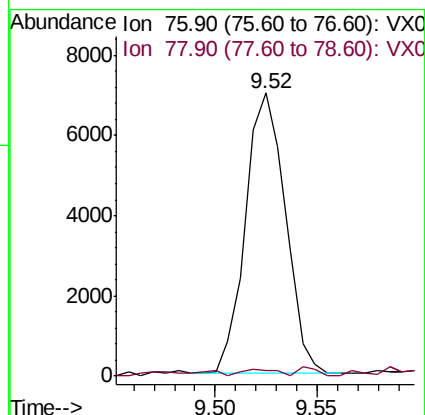
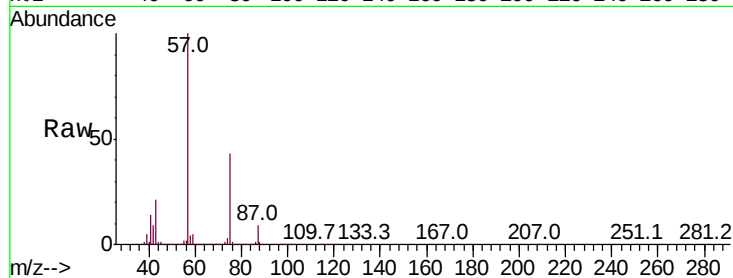
PB131314ZHE#02

Tot Ion: 76 Resp: 9534

Ion Ratio Lower Upper

76 100

78 2.2 25.8 38.6#



#59

2-Hexanone

Concen: 23.578 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX018186.D

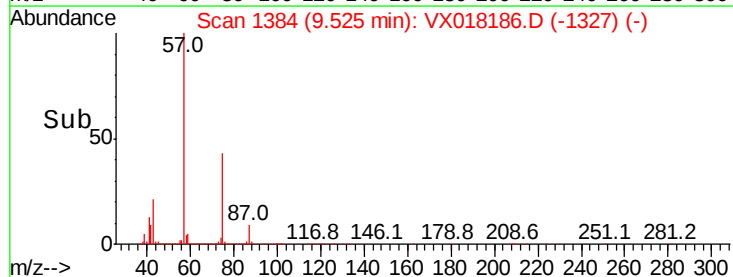
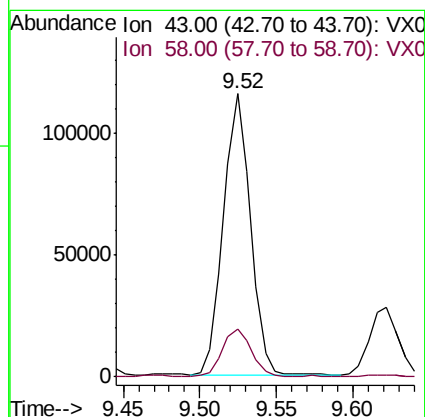
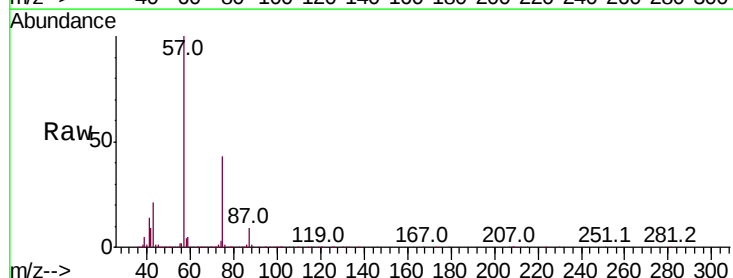
Acq: 01 Sep 2020 12:59

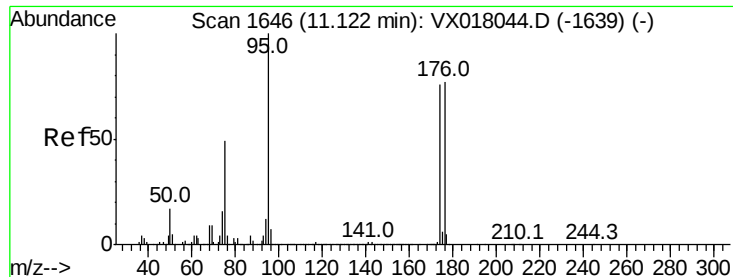
Tgt Ion: 43 Resp: 142386

Ion Ratio Lower Upper

43 100

58 18.5 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 46.069 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018186.D

Acq: 01 Sep 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#02

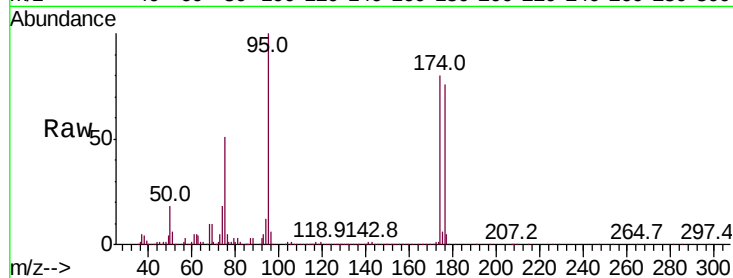
Tot Ion: 95 Resp: 341640

Ion Ratio Lower Upper

95 100

174 79.6 0.0 160.2

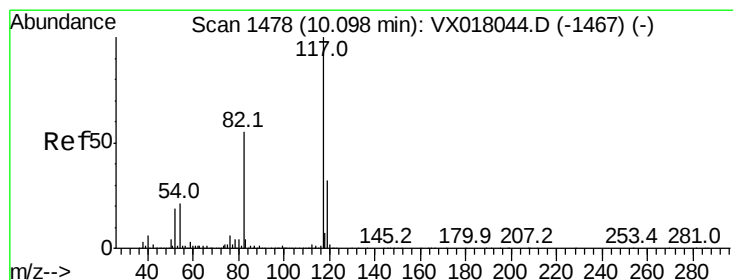
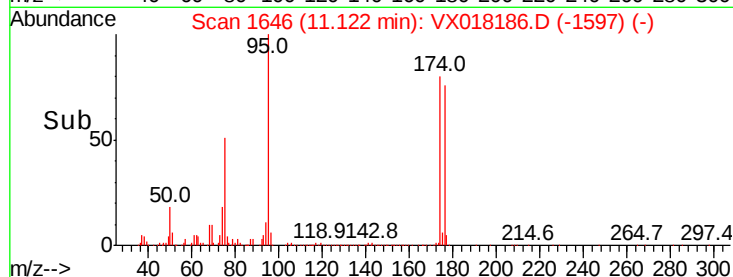
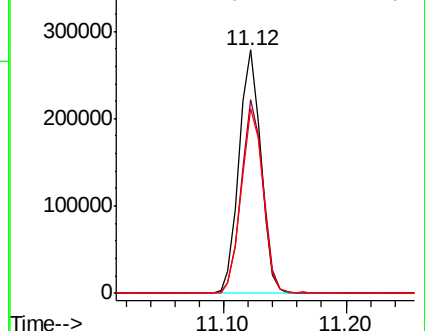
176 76.7 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018186.D

Acq: 01 Sep 2020 12:59

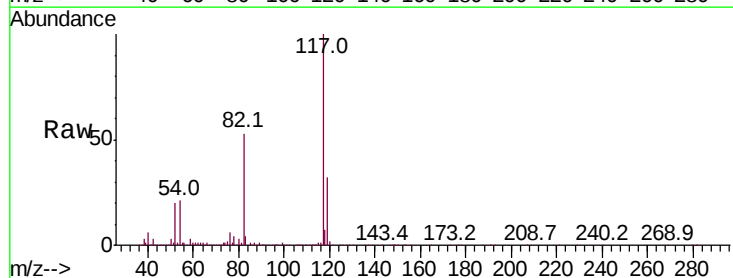
Tgt Ion: 117 Resp: 720148

Ion Ratio Lower Upper

117 100

82 53.4 44.2 66.2

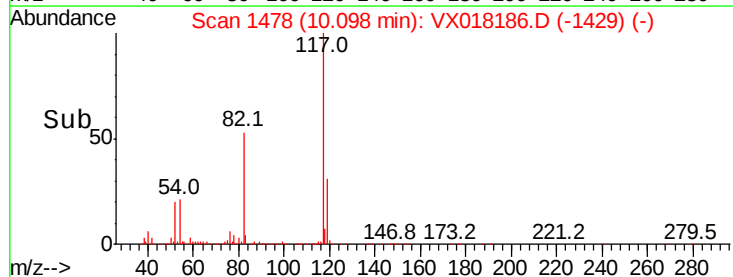
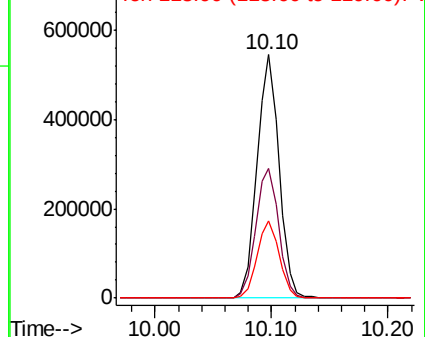
119 31.5 25.7 38.5

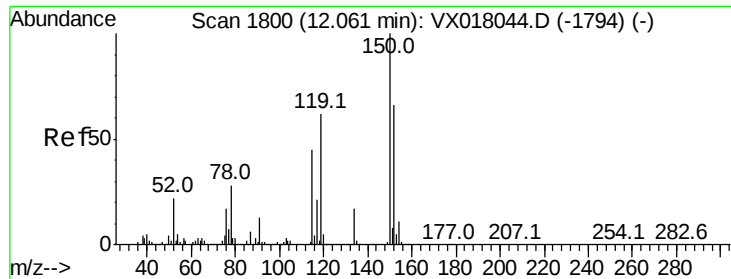


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX018186.D

Acq: 01 Sep 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#02

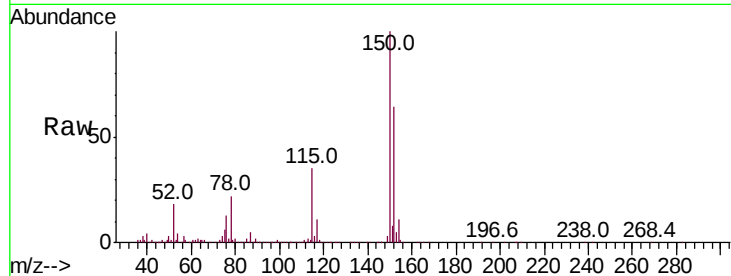
Tot Ion:152 Resp: 331153

Ion Ratio Lower Upper

152 100

115 60.4 41.5 124.5

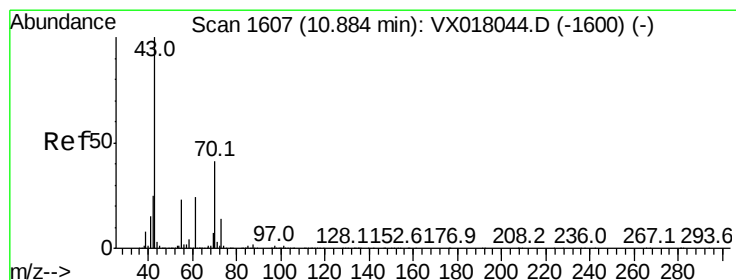
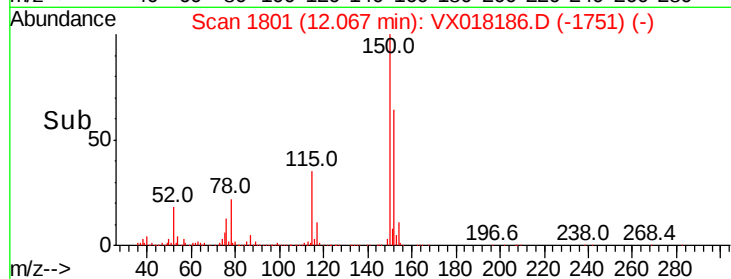
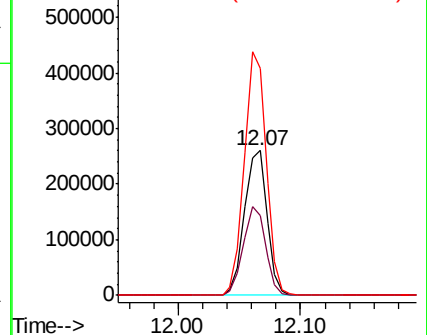
150 163.6 0.0 343.8



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: 0.517 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018186.D

Acq: 01 Sep 2020 12:59

Tgt Ion: 43 Resp: 5359

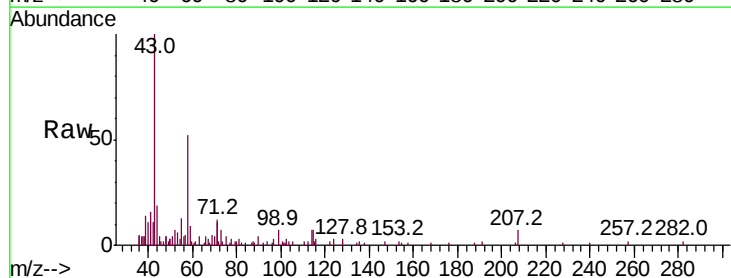
Ion Ratio Lower Upper

43 100

70 3.0 32.3 48.5#

55 20.2 18.2 27.2

61 0.0 18.9 28.3#

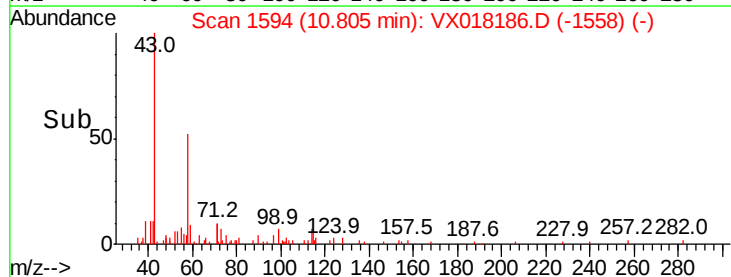
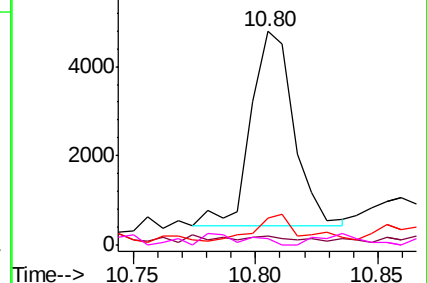


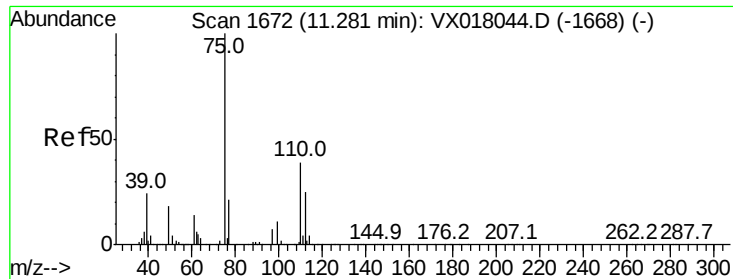
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.014 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018186.D

Acq: 01 Sep 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

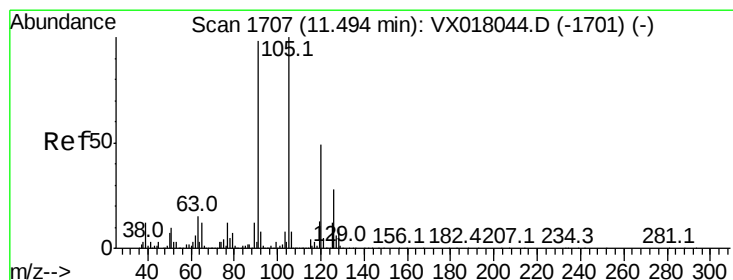
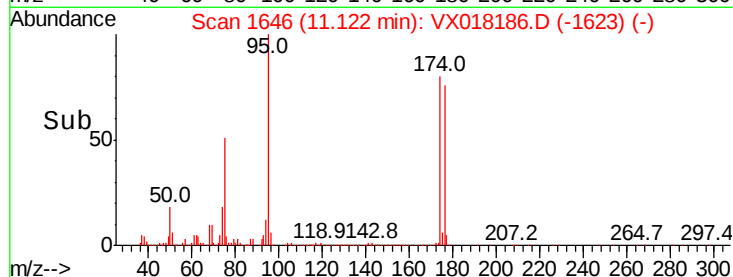
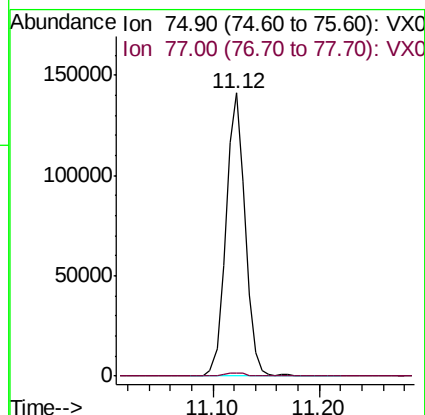
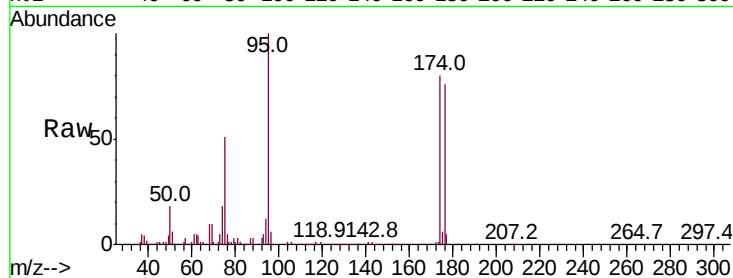
PB131314ZHE#02

Tot Ion: 75 Resp: 176902

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.664 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018186.D

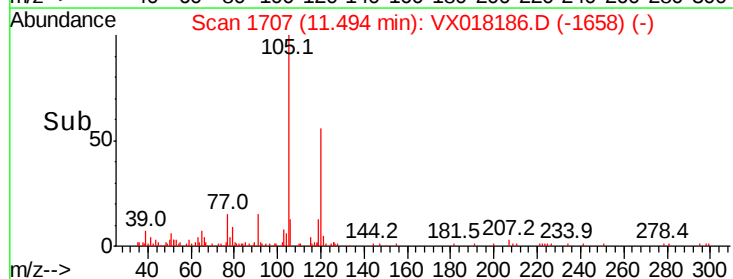
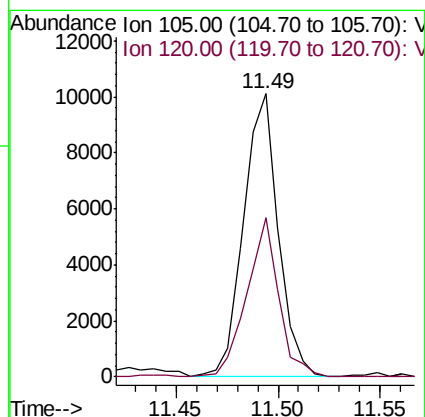
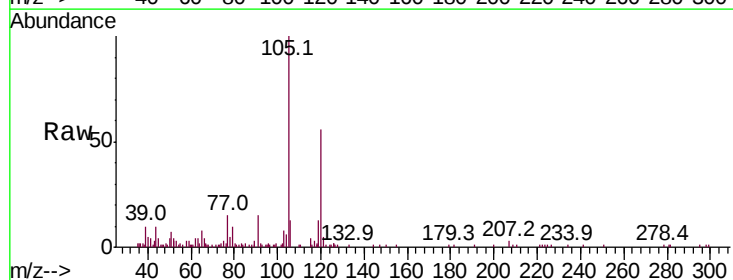
Acq: 01 Sep 2020 12:59

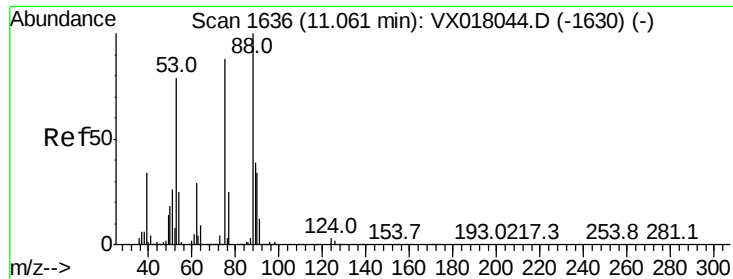
Tgt Ion: 105 Resp: 11926

Ion Ratio Lower Upper

105 100

120 52.1 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 64.858 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018186.D

Acq: 01 Sep 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#02

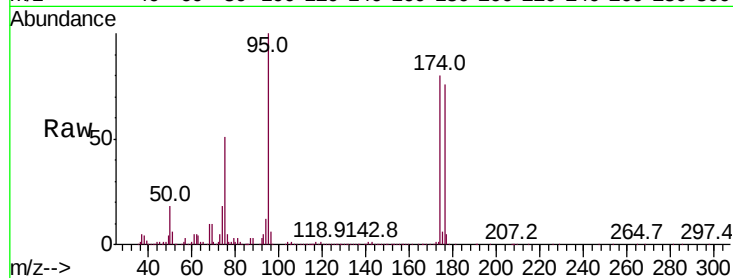
Tot Ion: 75 Resp: 176902

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 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

