

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090820\
 Data File : VX018286.D
 Acq On : 08 Sep 2020 19:27
 Operator : JC/SP
 Sample : PB131451ZHE#07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131451ZHE#07

Quant Time: Sep 09 01:24:22 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	430837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	716294	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	705178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	328845	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	314131	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
35) Dibromofluoromethane	5.46	113	251084	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
50) Toluene-d8	8.70	98	907598	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.12	95	322393	45.10	ug/l	0.00
Spiked Amount			Recovery	=	90.20%	

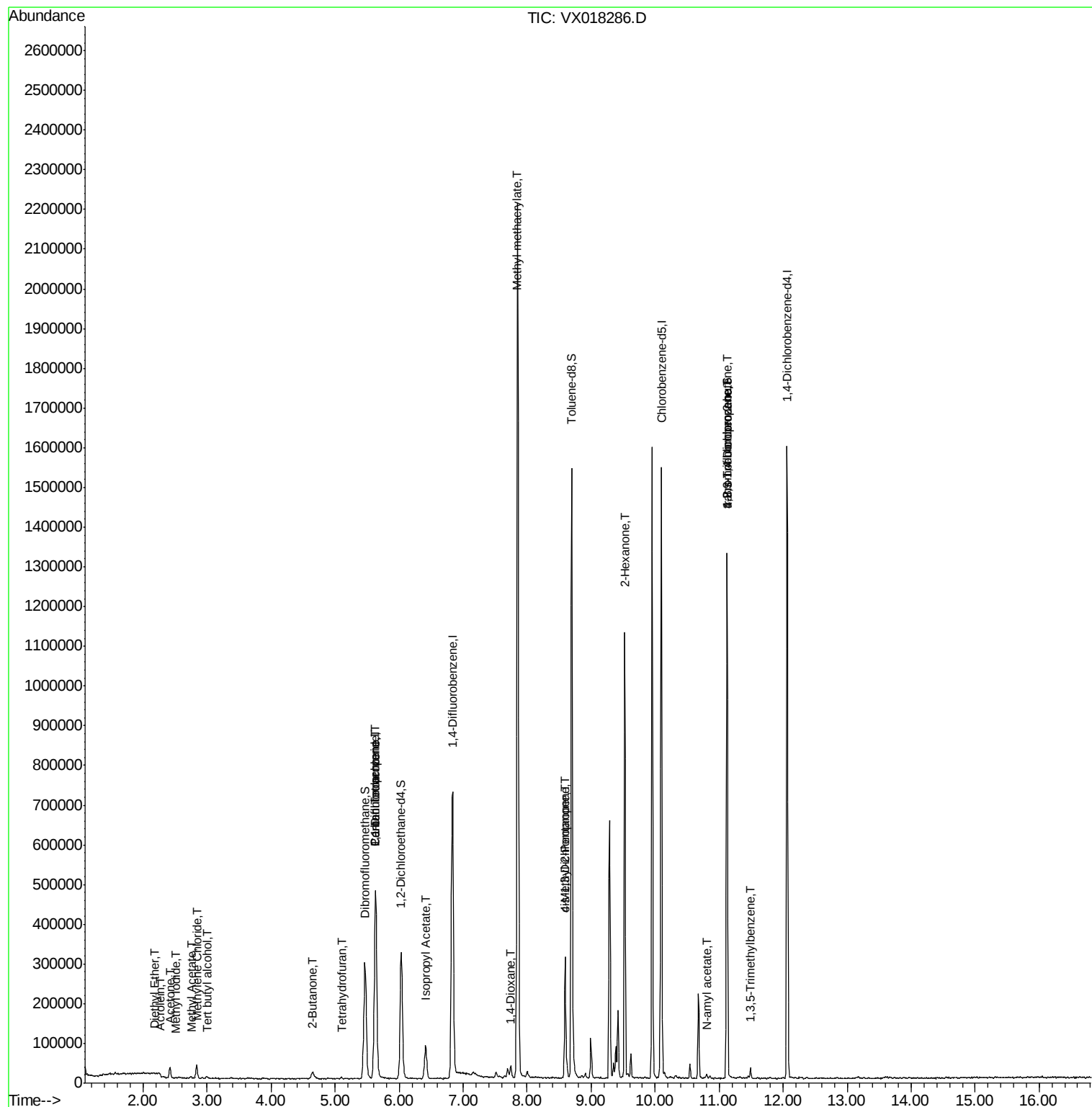
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	608	0.239	ug/l	70
10) Methyl Iodide	2.50	142	240	5.336	ug/l #	82
11) Tert butyl alcohol	3.00	59	4043	3.477	ug/l #	73
13) Acrolein	2.28	56	416	0.863	ug/l #	67
16) Acetone	2.42	43	28451	12.208	ug/l	94
18) Methyl Acetate	2.75	43	6025	1.071	ug/l	93
20) Methylene Chloride	2.84	84	16973	2.451	ug/l #	90
25) 2-Butanone	4.64	43	6754	1.763	ug/l	99
29) Tetrahydrofuran	5.10	42	1794	0.736	ug/l #	74
36) 1,1-Dichloropropene	5.64	75	34477	5.218	ug/l #	52
38) Carbon Tetrachloride	5.63	117	46458	6.240	ug/l #	16
43) Isopropyl Acetate	6.41	43	115339	9.306	ug/l	100
48) Methyl methacrylate	7.85	41	195170	31.633	ug/l #	44
49) 1,4-Dioxane	7.73	88	389	3.481	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	115225	15.051	ug/l #	47
54) cis-1,3-Dichloropropene	8.60	75	47999	5.565	ug/l #	61
59) 2-Hexanone	9.52	43	125187	21.505	ug/l #	52
74) N-amyl acetate	10.81	43	6129	0.596	ug/l #	60
76) 1,2,3-Trichloropropane	11.12	75	170599	23.321	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	11636	0.653	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	170599	62.986	ug/l #	12

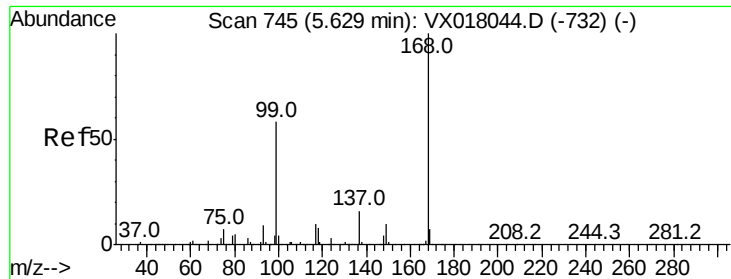
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 09 01:24:22 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: VX018286.D

Acq: 08 Sep 2020 19:27

Instrument :

MSVOA_X

ClientSampleId :

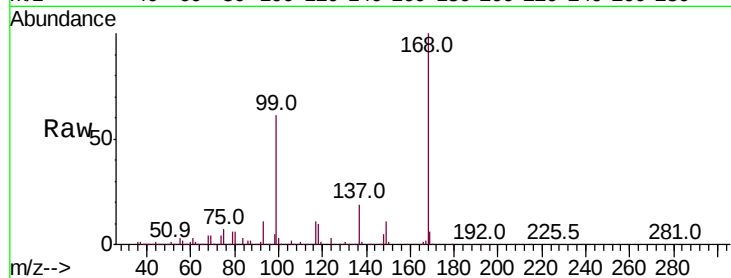
PB131451ZHE#07

Tot Ion:168 Resp: 430837

Ion Ratio Lower Upper

168 100

99 60.5 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

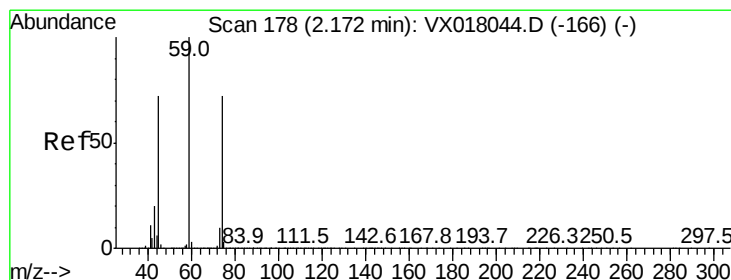
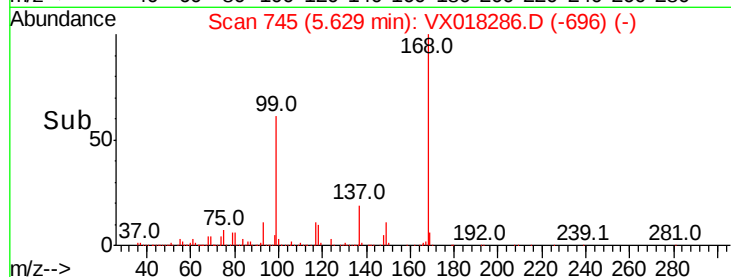
100000

50000

0

5.50 5.60 5.70

Time-->



#8

Diethyl Ether

Concen: 0.239 ug/l

RT: 2.18 min Scan# 180

Delta R.T. 0.01 min

Lab File: VX018286.D

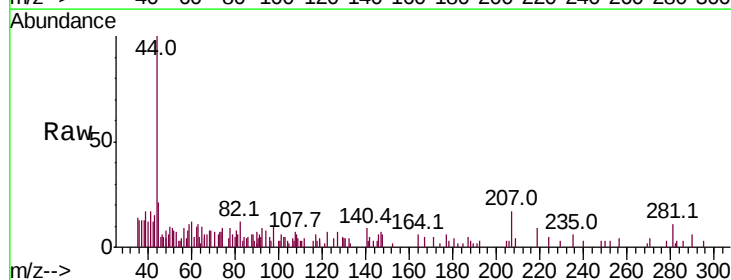
Acq: 08 Sep 2020 19:27

Tgt Ion: 74 Resp: 608

Ion Ratio Lower Upper

74 100

45 131.9 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

600

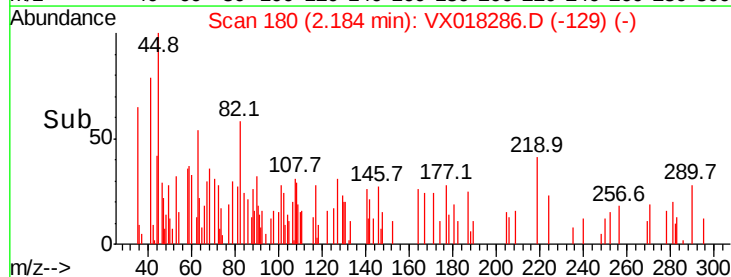
400

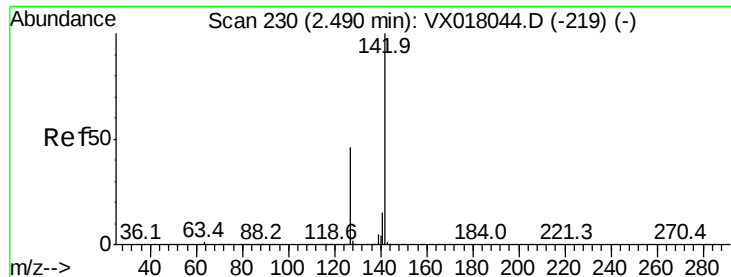
200

0

2.15 2.20

Time-->

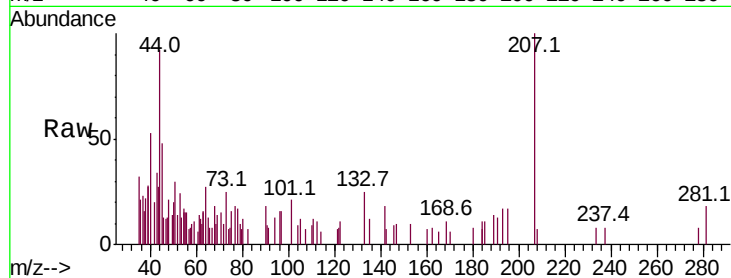




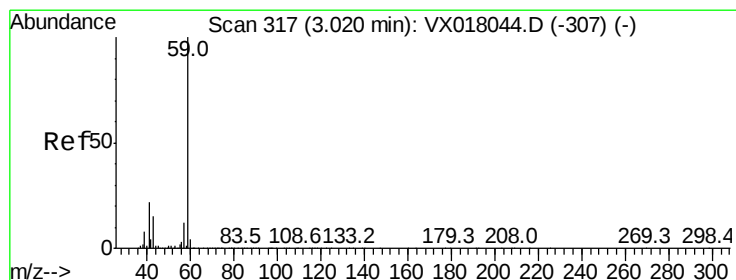
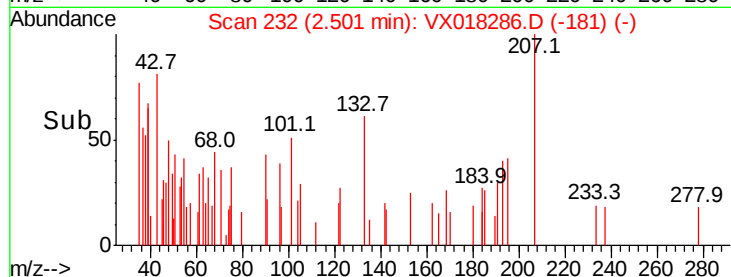
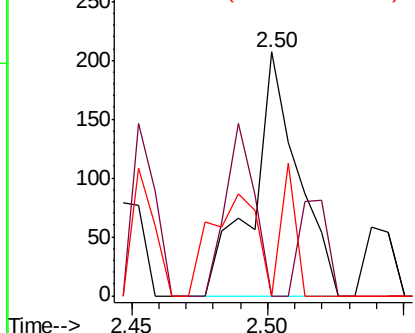
#10
Methyl Iodide
Concen: 5.336 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018286.D
Acq: 08 Sep 2020 19:27

Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#07

Tot Ion:142 Resp: 240
Ion Ratio Lower Upper
142 100
127 45.0 37.0 55.6
141 42.5 11.5 17.3#

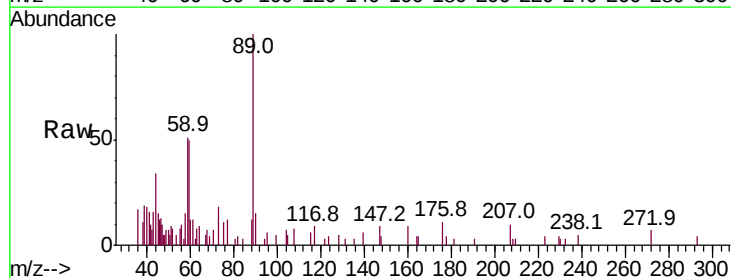


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

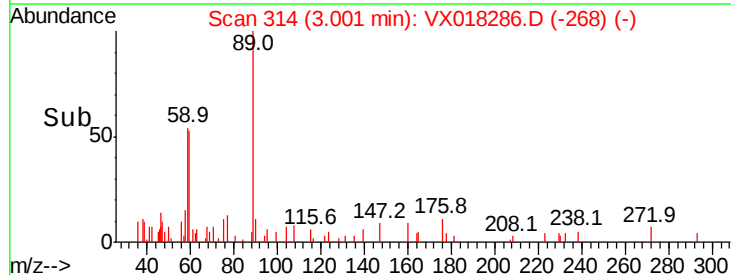
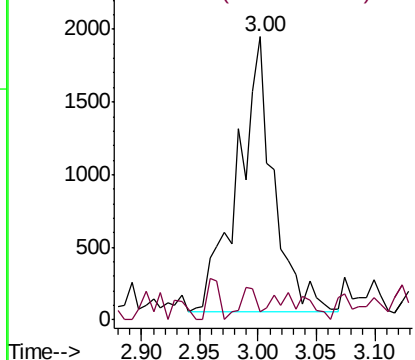


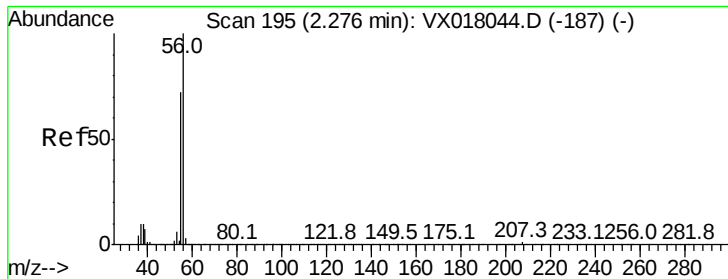
#11
Tert butyl alcohol
Concen: 3.477 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018286.D
Acq: 08 Sep 2020 19:27

Tgt Ion: 59 Resp: 4043
Ion Ratio Lower Upper
59 100
57 0.9 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.863 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX018286.D

Acq: 08 Sep 2020 19:27

Instrument :

MSVOA_X

ClientSampleId :

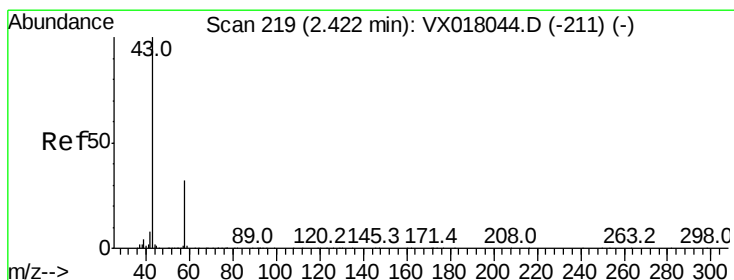
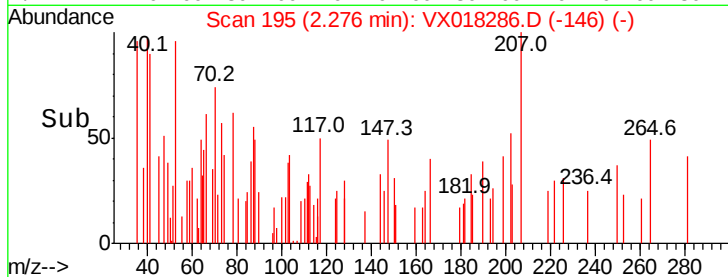
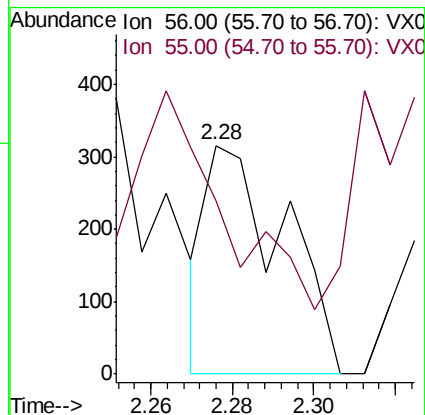
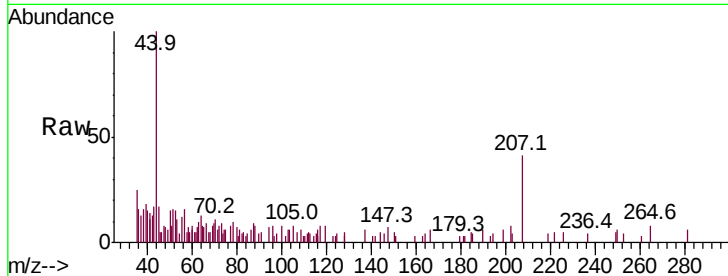
PB131451ZHE#07

Tot Ion: 56 Resp: 416

Ion Ratio Lower Upper

56 100

55 99.0 57.0 85.6#



#16

Acetone

Concen: 12.208 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018286.D

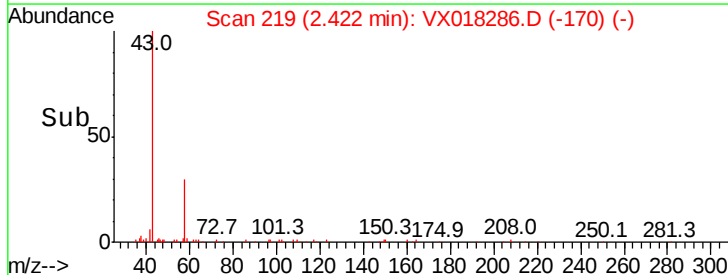
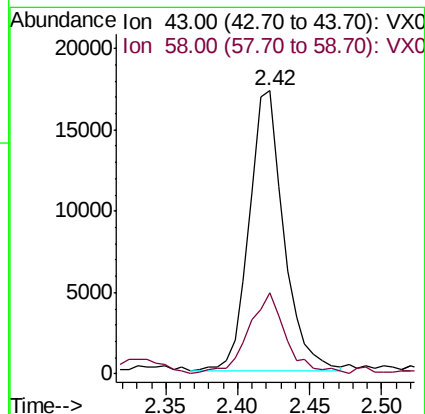
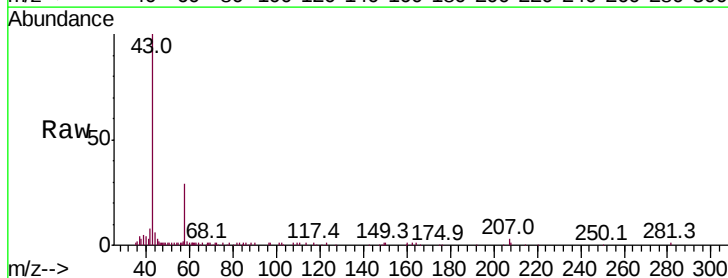
Acq: 08 Sep 2020 19:27

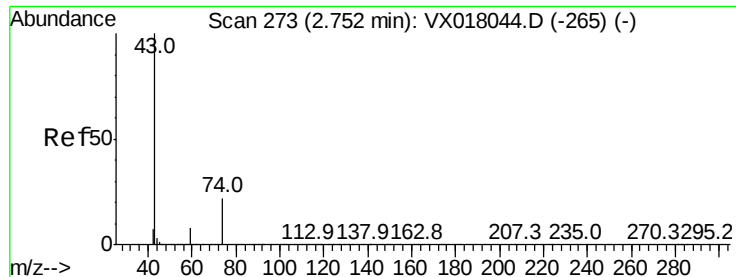
Tgt Ion: 43 Resp: 28451

Ion Ratio Lower Upper

43 100

58 28.8 25.5 38.3

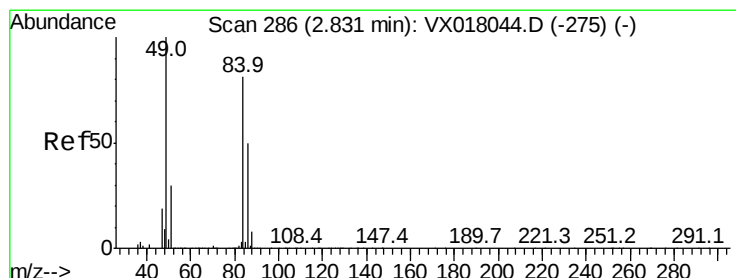
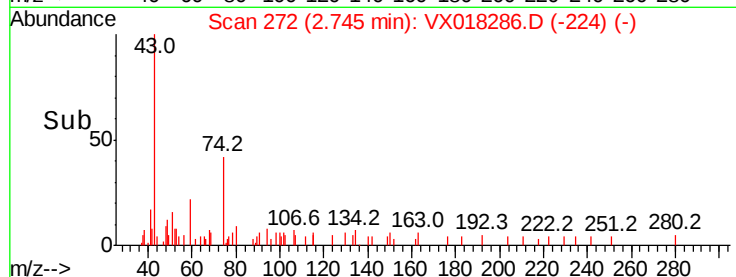
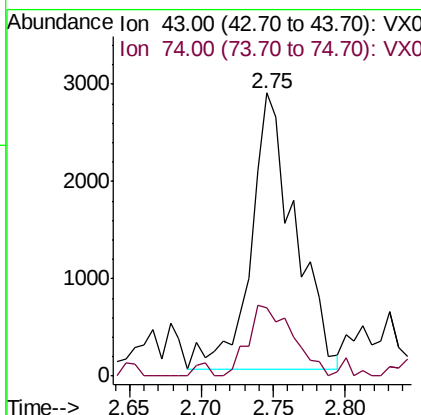
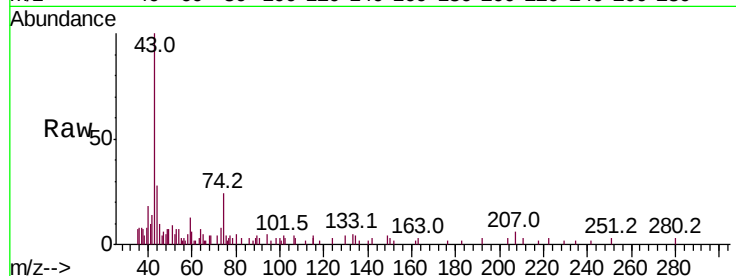




#18
Methvl Acetate
Concen: 1.071 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX018286.D
Acq: 08 Sep 2020 19:27

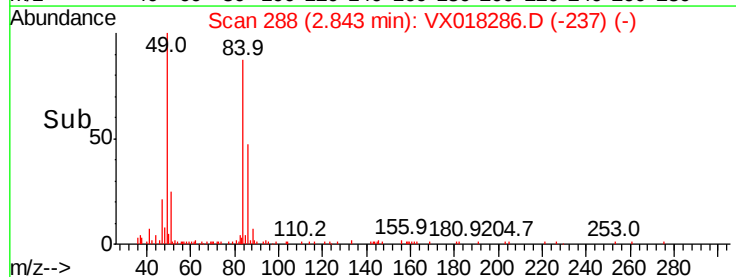
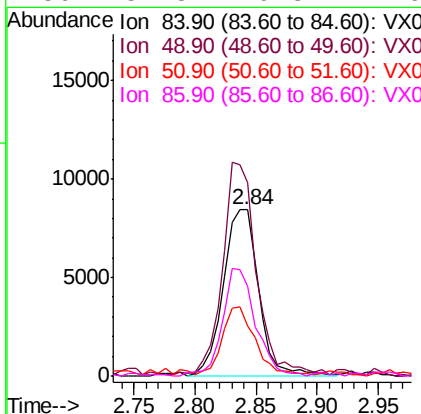
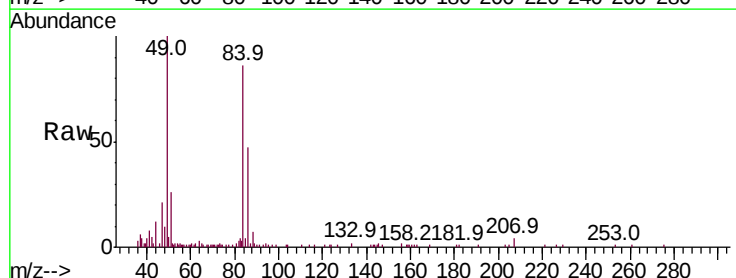
Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#07

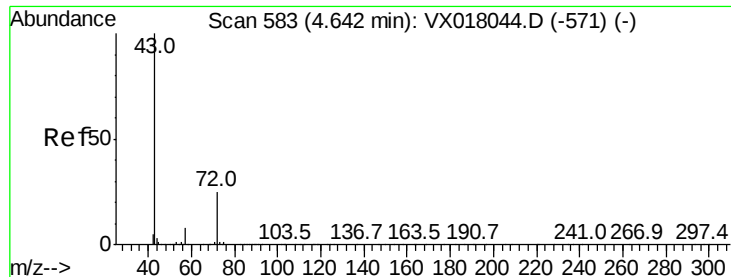
Tot Ion: 43 Resp: 6025
Ion Ratio Lower Upper
43 100
74 26.0 18.2 27.4



#20
Methylene Chloride
Concen: 2.451 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018286.D
Acq: 08 Sep 2020 19:27

Tgt Ion: 84 Resp: 16973
Ion Ratio Lower Upper
84 100
49 114.7 98.6 148.0
51 28.0 29.6 44.4#
86 52.8 49.8 74.6

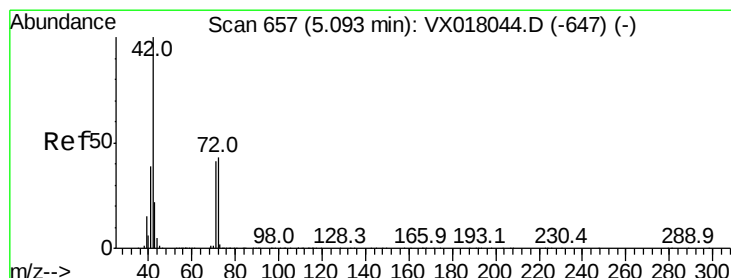
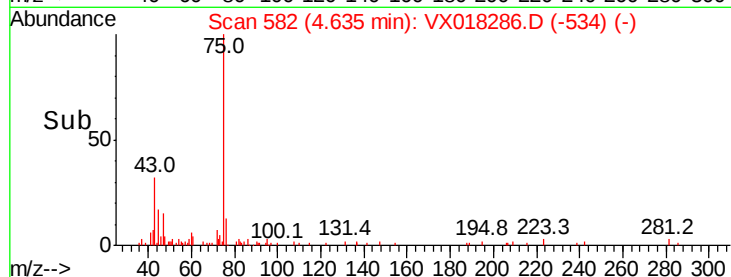
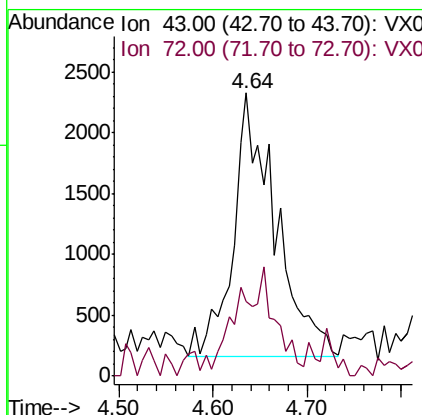
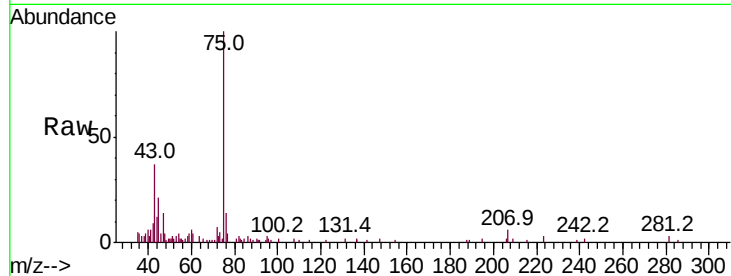




#25
2-Butanone
Concen: 1.763 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX018286.D
Acq: 08 Sep 2020 19:27

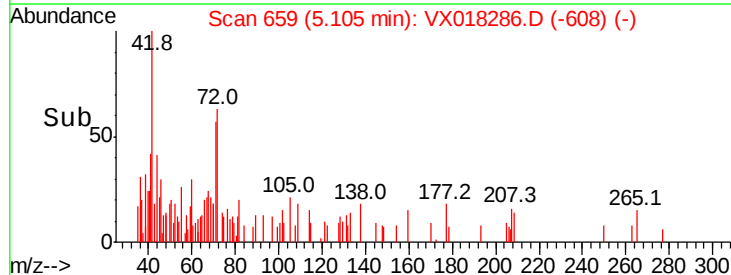
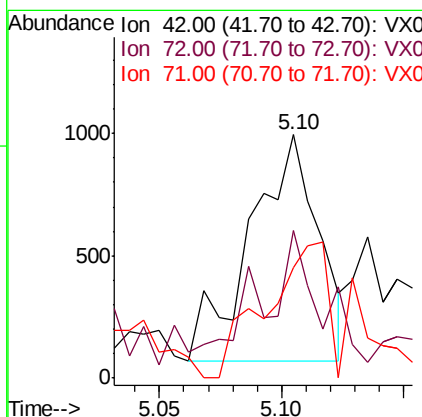
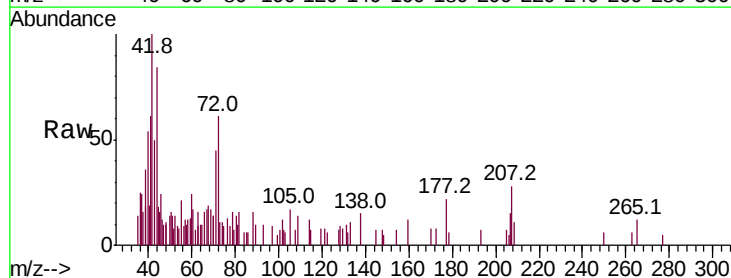
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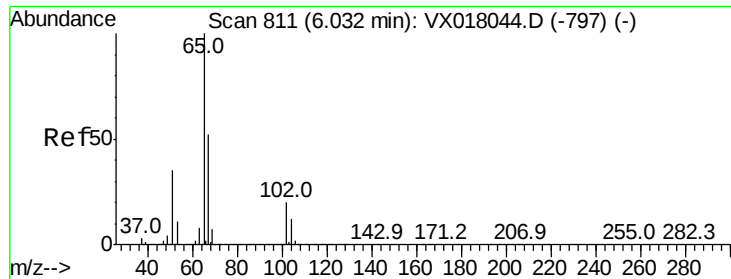
Tot Ion: 43 Resp: 6754
Ion Ratio Lower Upper
43 100
72 25.4 19.8 29.6



#29
Tetrahydrofuran
Concen: 0.736 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX018286.D
Acq: 08 Sep 2020 19:27

Tgt Ion: 42 Resp: 1794
Ion Ratio Lower Upper
42 100
72 61.7 34.2 51.4#
71 53.6 32.1 48.1#

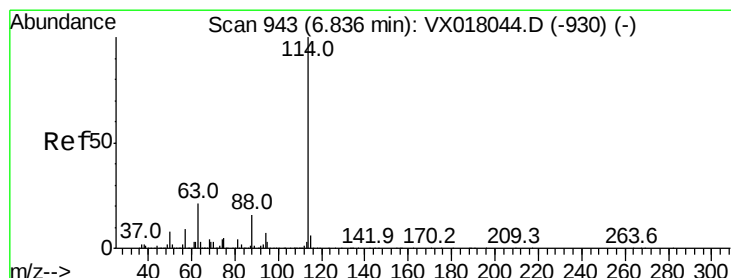
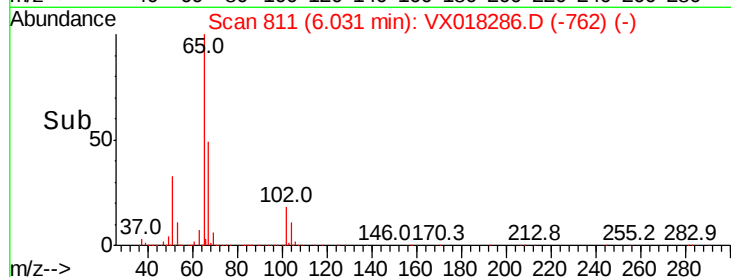
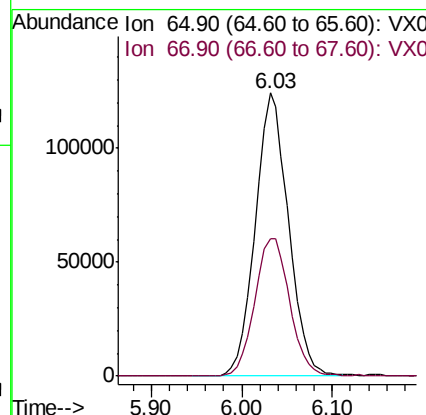
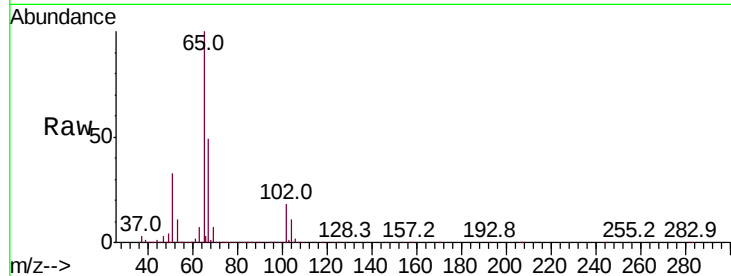




#33
 1,2-Dichloroethane-d4
 Concen: 52.520 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018286.D
 Acq: 08 Sep 2020 19:27

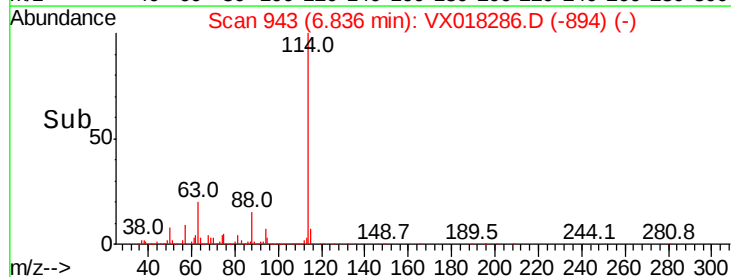
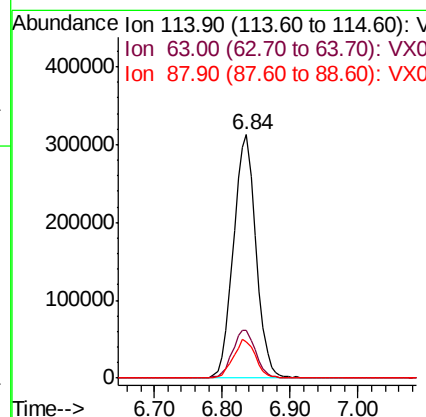
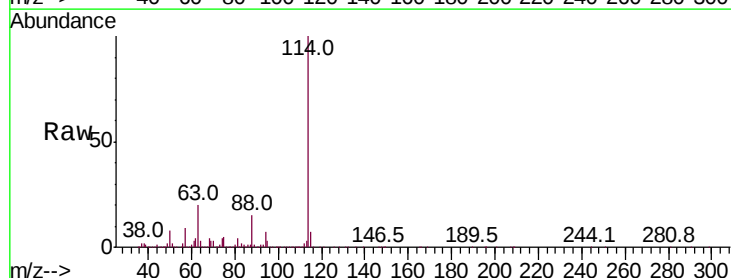
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 PB131451ZHE#07

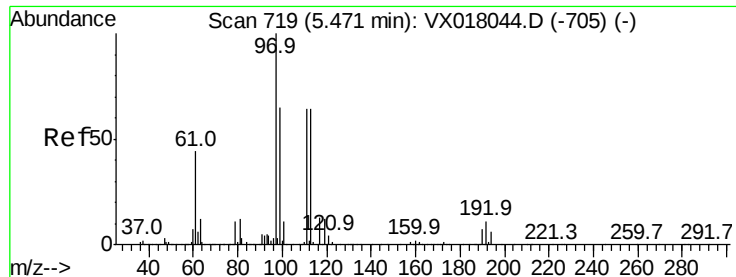
Tot Ion: 65 Resp: 314131
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018286.D
 Acq: 08 Sep 2020 19:27

Tgt Ion: 114 Resp: 716294
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.6
 88 14.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.469 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018286.D

Acq: 08 Sep 2020 19:27

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#07

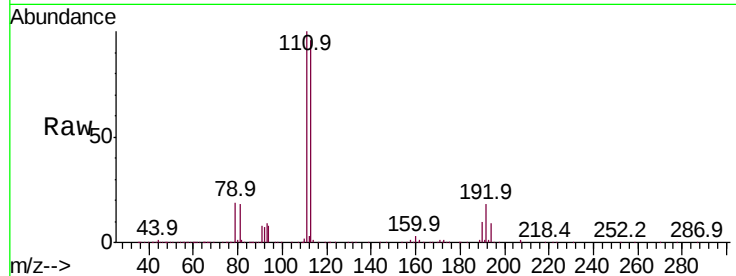
Tot Ion:113 Resp: 251084

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

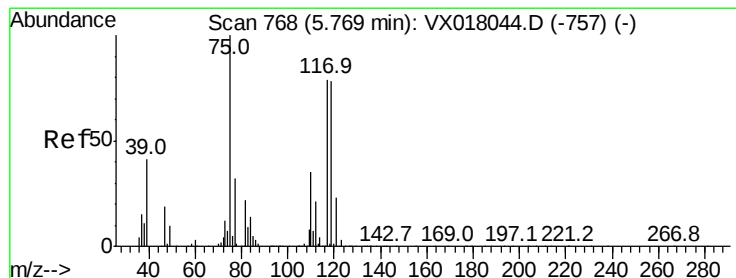
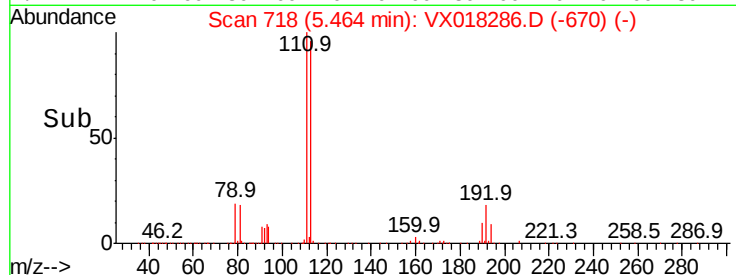
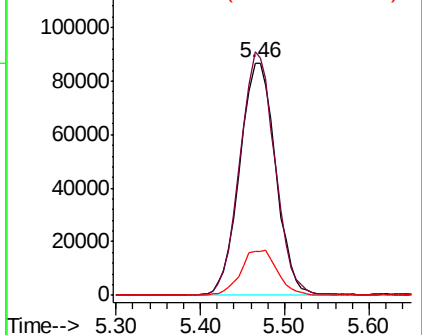
192 19.6 15.8 23.8



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: 5.218 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018286.D

Acq: 08 Sep 2020 19:27

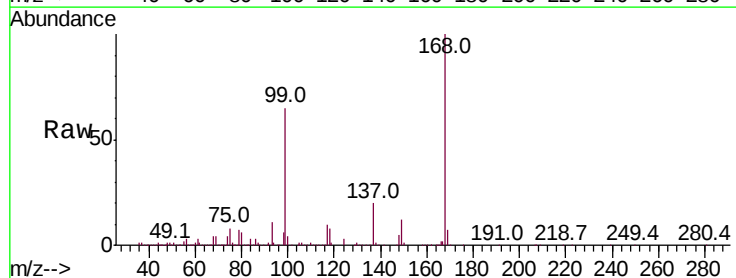
Tgt Ion: 75 Resp: 34477

Ion Ratio Lower Upper

75 100

110 10.5 18.0 54.0#

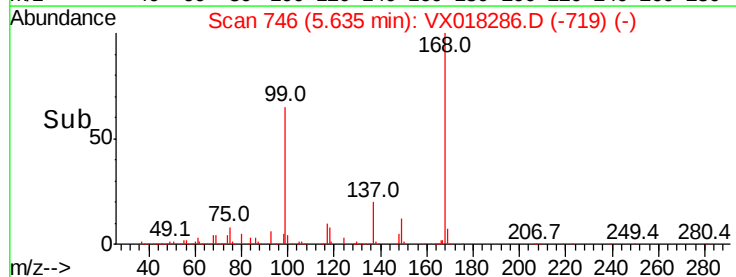
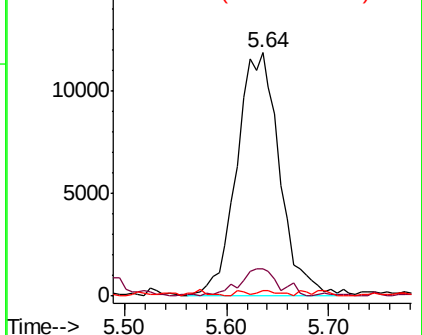
77 1.2 24.4 36.6#

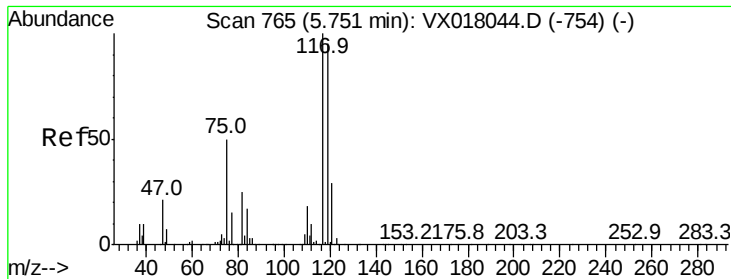


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.240 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018286.D

Acq: 08 Sep 2020 19:27

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#07

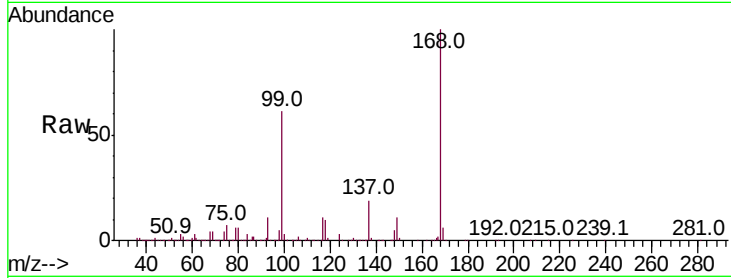
Tot Ion:117 Resp: 46458

Ion Ratio Lower Upper

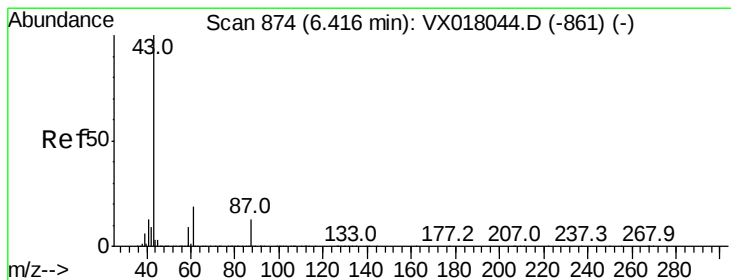
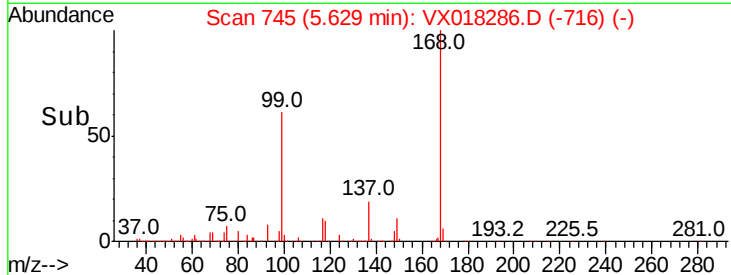
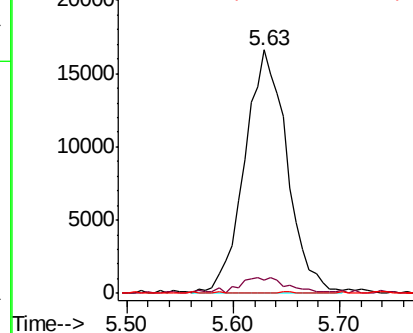
117 100

119 4.8 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: 9.306 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX018286.D

Acq: 08 Sep 2020 19:27

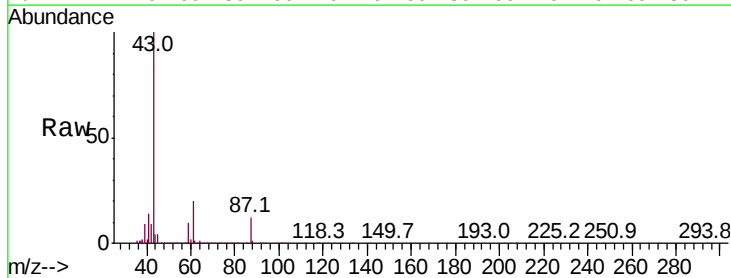
Tgt Ion: 43 Resp: 115339

Ion Ratio Lower Upper

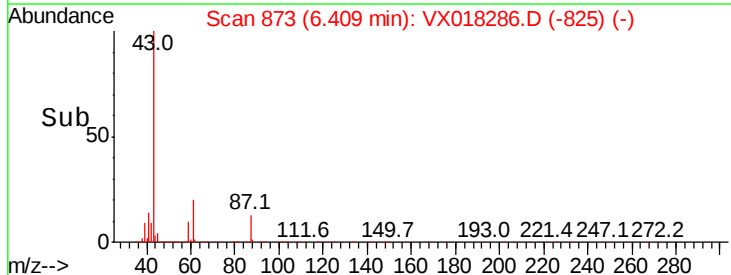
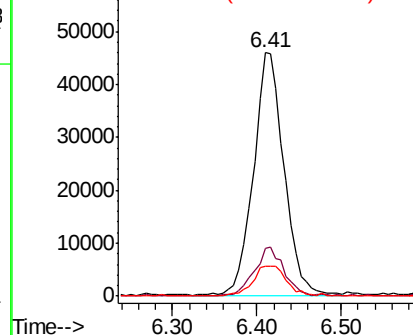
43 100

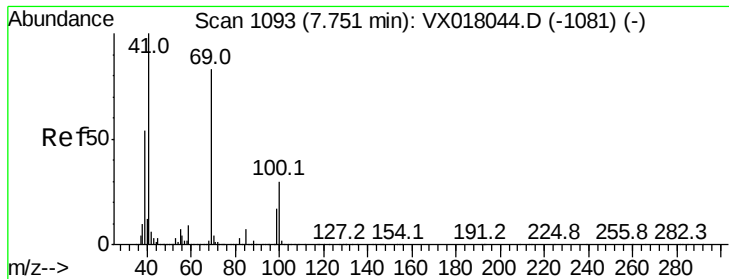
61 19.5 15.7 23.5

87 13.2 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: 31.633 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.10 min

Lab File: VX018286.D

Acq: 08 Sep 2020 19:27

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#07

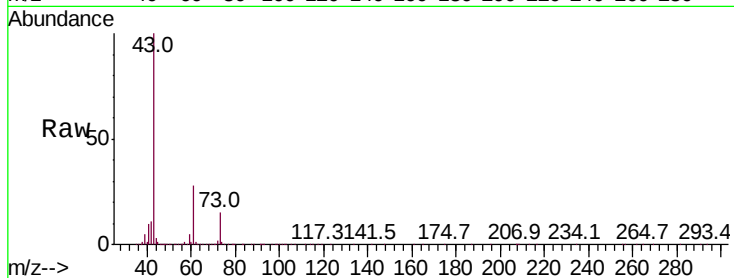
Tot Ion: 41 Resp: 195170

Ion Ratio Lower Upper

41 100

69 0.3 65.5 98.3#

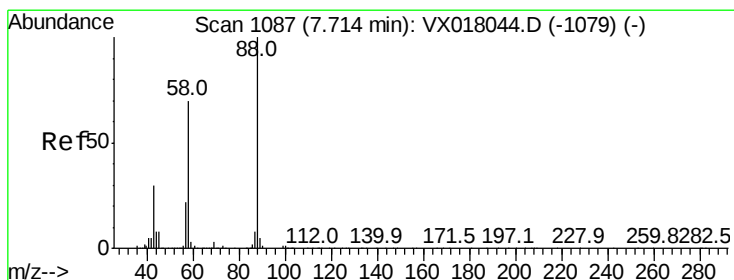
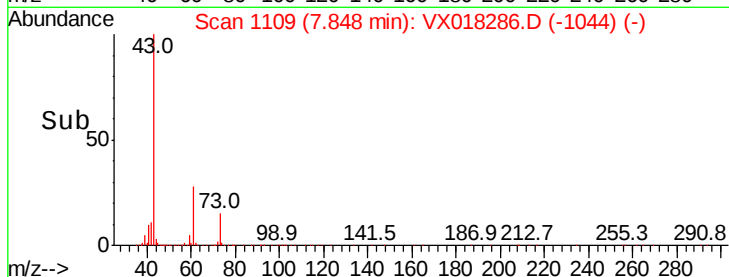
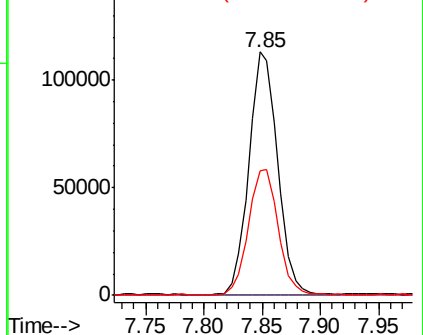
39 53.2 44.5 66.7



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: 3.481 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX018286.D

Acq: 08 Sep 2020 19:27

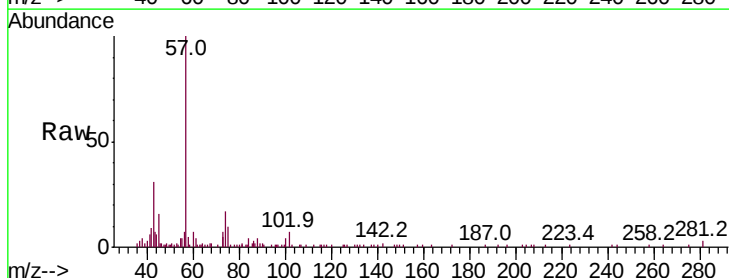
Tgt Ion: 88 Resp: 389

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

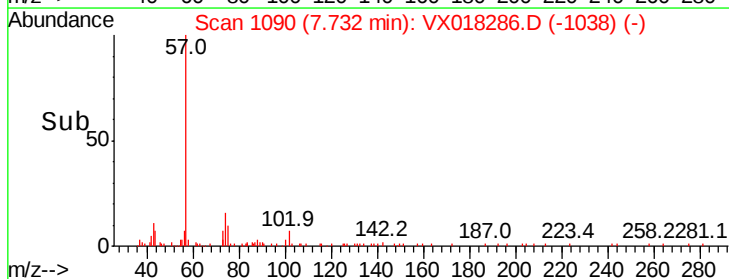
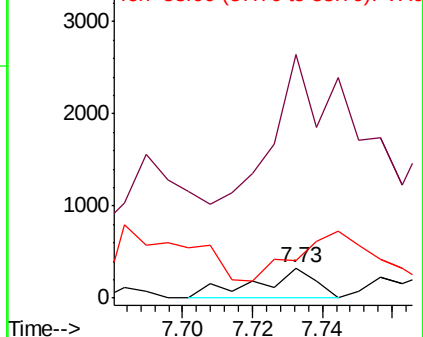
58 324.9 56.4 84.6#

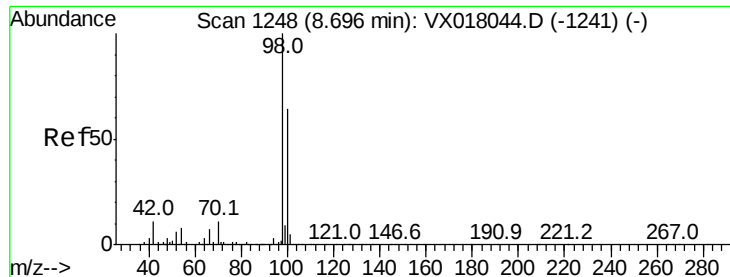


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.952 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018286.D

Acq: 08 Sep 2020 19:27

Instrument :

MSVOA_X

ClientSampleId :

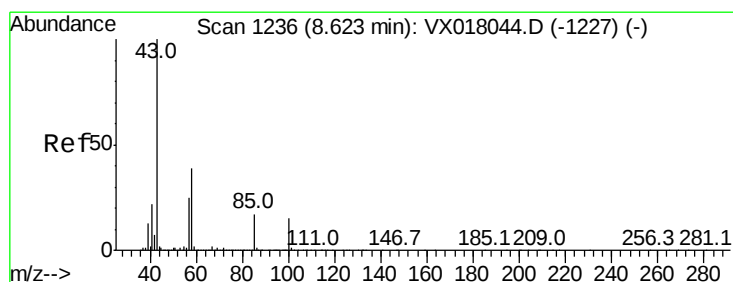
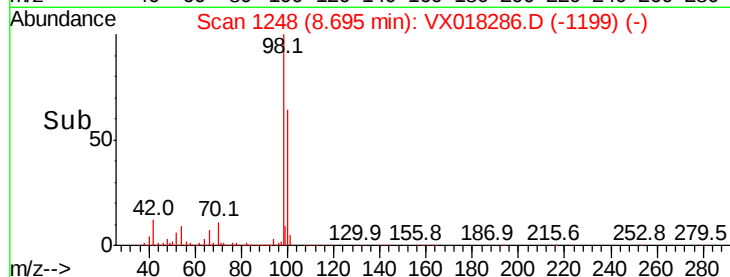
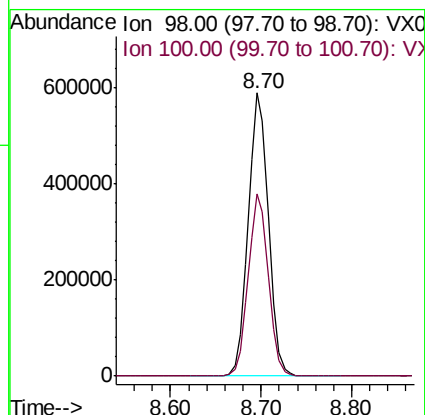
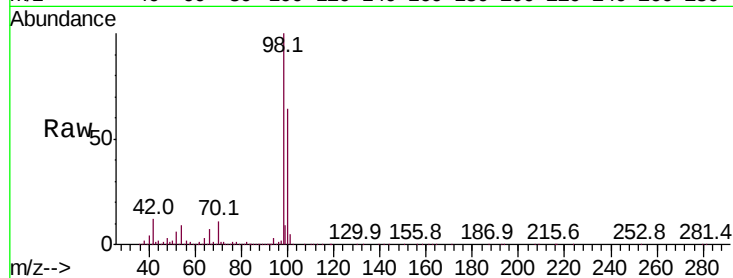
PB131451ZHE#07

Tot Ion: 98 Resp: 907598

Ion Ratio Lower Upper

98 100

100 63.9 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 15.051 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018286.D

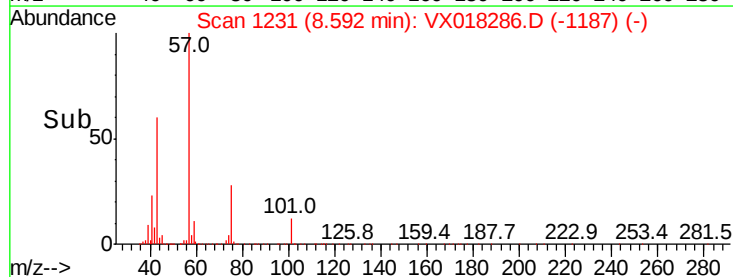
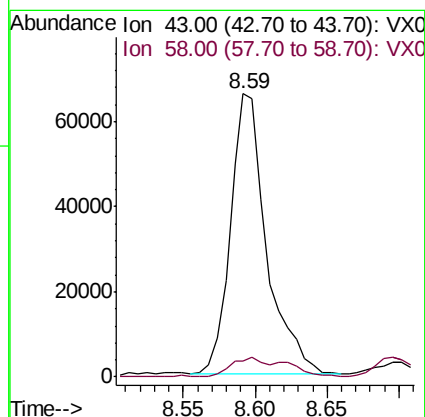
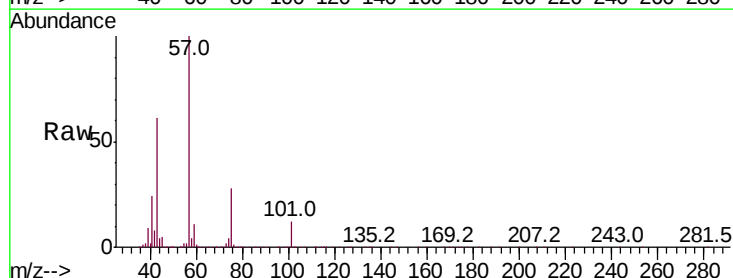
Acq: 08 Sep 2020 19:27

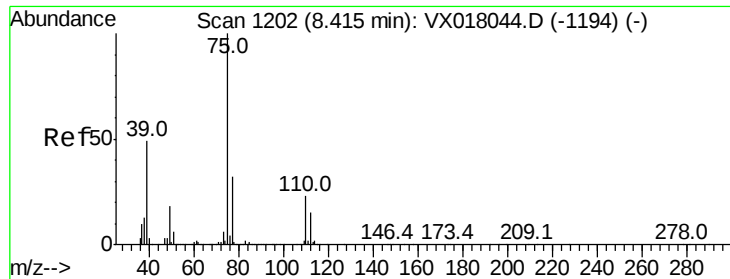
Tgt Ion: 43 Resp: 115225

Ion Ratio Lower Upper

43 100

58 6.3 30.7 46.1#





#54

cis-1,3-Dichloropropene

Concen: 5.565 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018286.D

Acq: 08 Sep 2020 19:27

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#07

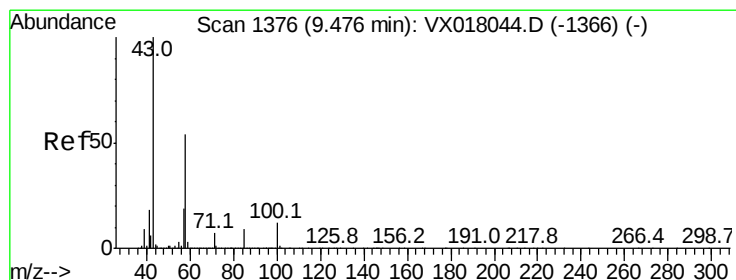
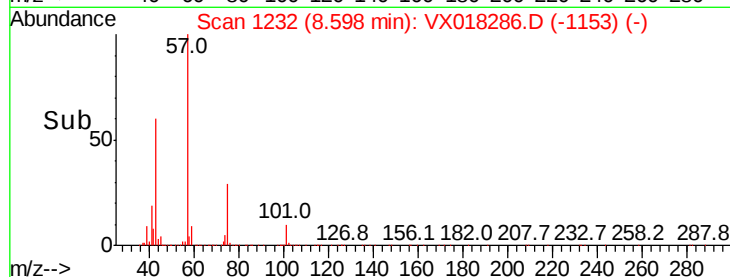
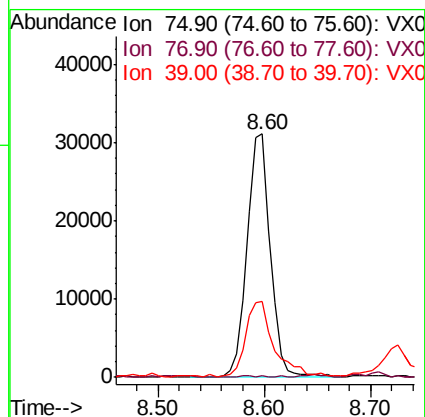
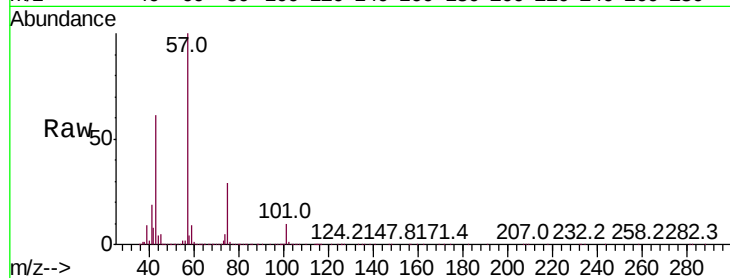
Tot Ion: 75 Resp: 47999

Ion Ratio Lower Upper

75 100

77 0.1 25.8 38.8#

39 30.8 38.8 58.2#



#59

2-Hexanone

Concen: 21.505 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX018286.D

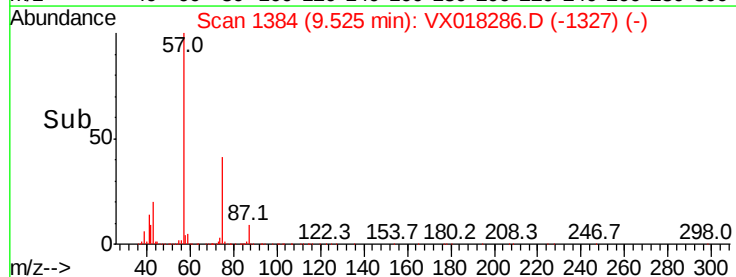
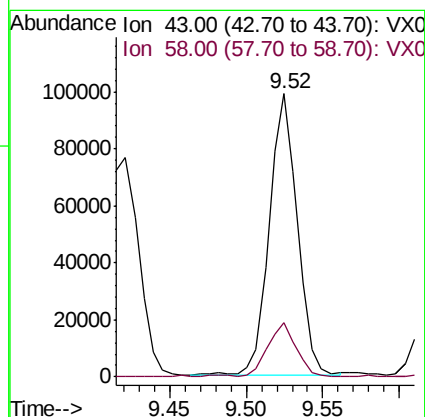
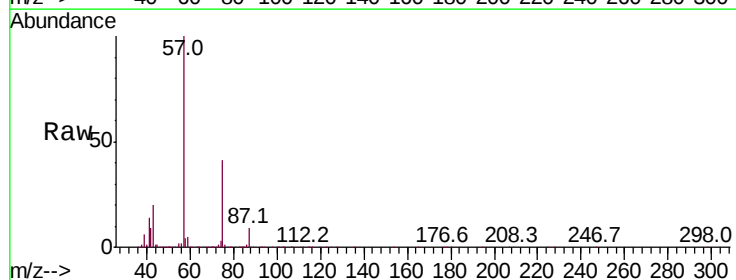
Acq: 08 Sep 2020 19:27

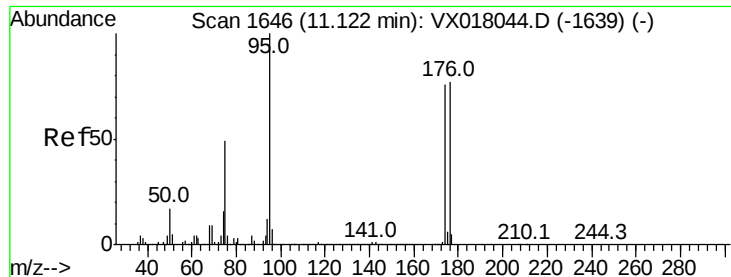
Tgt Ion: 43 Resp: 125187

Ion Ratio Lower Upper

43 100

58 19.4 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 45.099 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018286.D

Acq: 08 Sep 2020 19:27

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#07

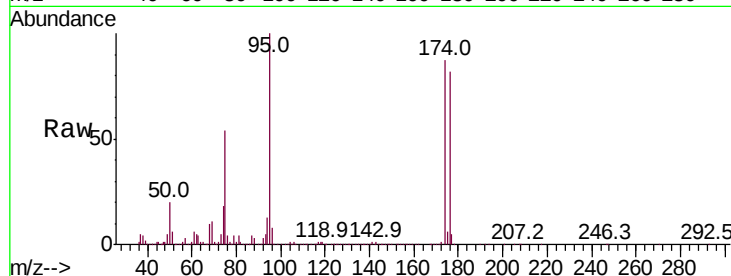
Tot Ion: 95 Resp: 322393

Ion Ratio Lower Upper

95 100

174 83.9 0.0 160.2

176 81.5 0.0 155.8

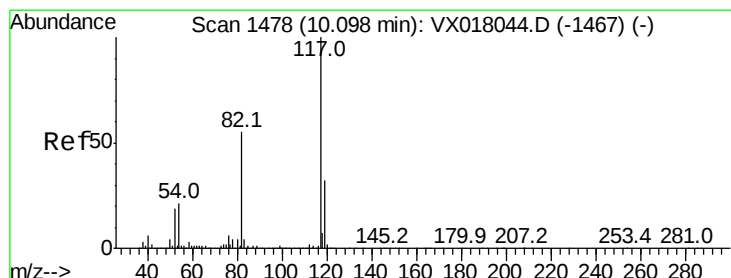
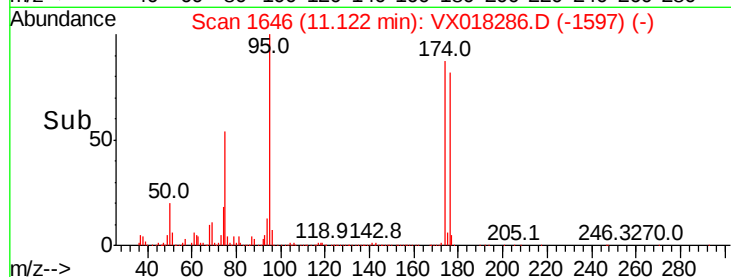


Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)

Time--> 11.00 11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018286.D

Acq: 08 Sep 2020 19:27

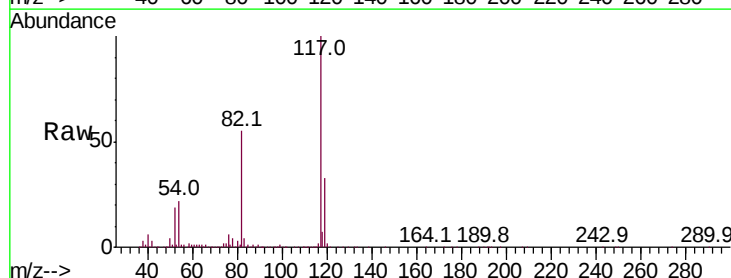
Tgt Ion: 117 Resp: 705178

Ion Ratio Lower Upper

117 100

82 55.3 44.2 66.2

119 33.3 25.7 38.5

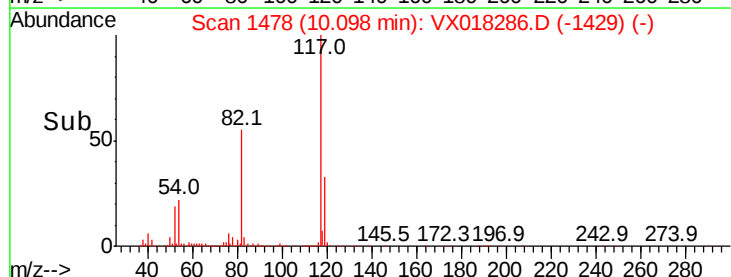


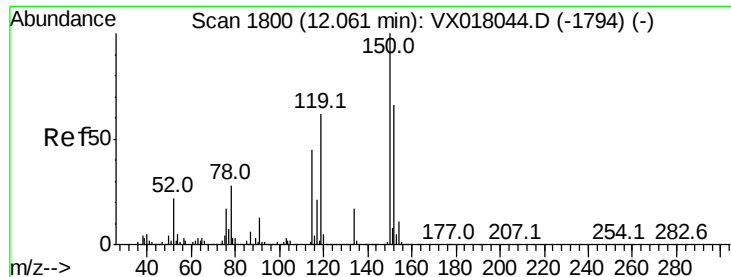
Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)

Time--> 10.00 10.10 10.20





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018286.D

Acq: 08 Sep 2020 19:27

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#07

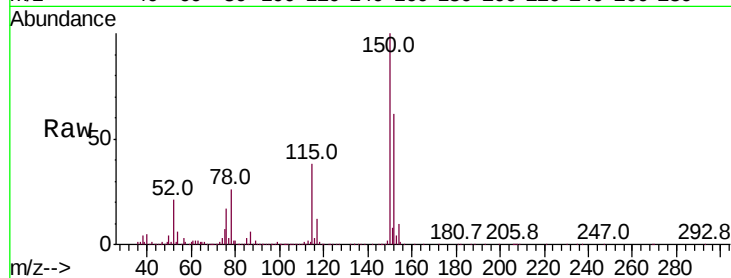
Tot Ion:152 Resp: 328845

Ion Ratio Lower Upper

152 100

115 60.1 41.5 124.5

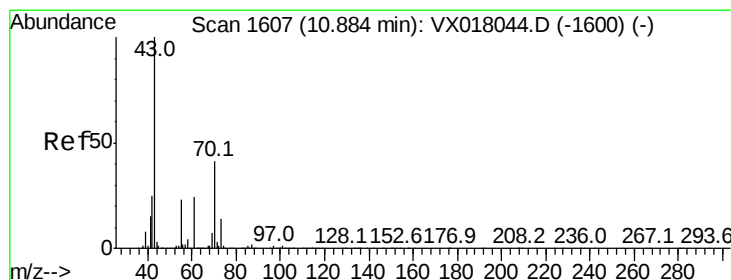
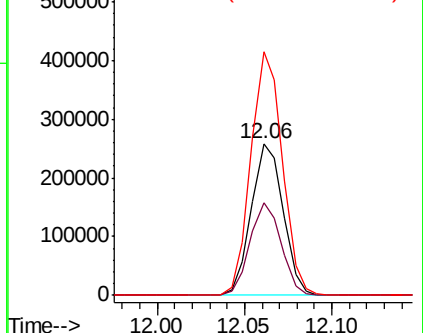
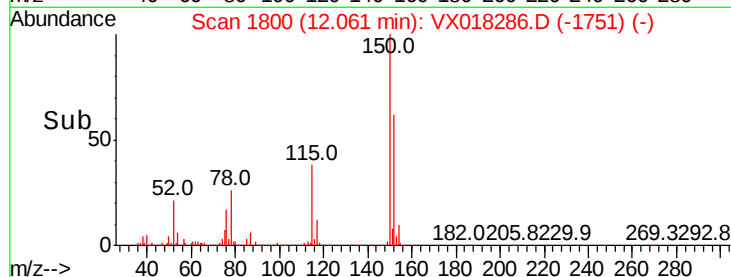
150 157.8 0.0 343.8



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: 0.596 ug/l

RT: 10.81 min Scan# 1595

Delta R.T. -0.07 min

Lab File: VX018286.D

Acq: 08 Sep 2020 19:27

Tgt Ion: 43 Resp: 6129

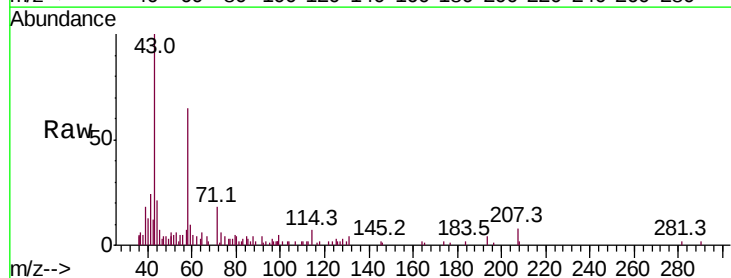
Ion Ratio Lower Upper

43 100

70 4.2 32.3 48.5#

55 22.7 18.2 27.2

61 0.0 18.9 28.3#

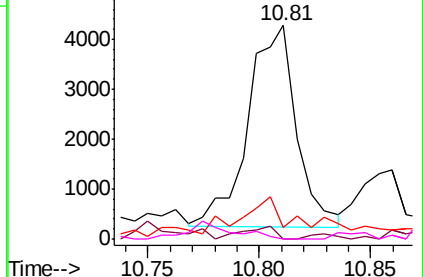
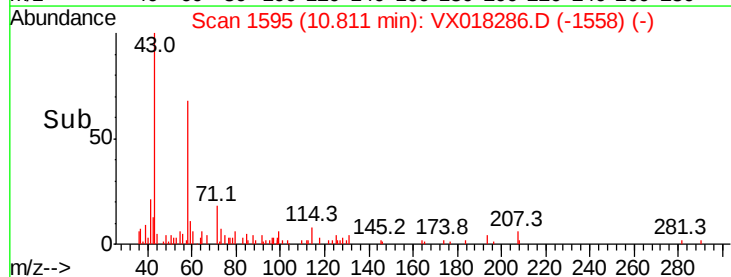


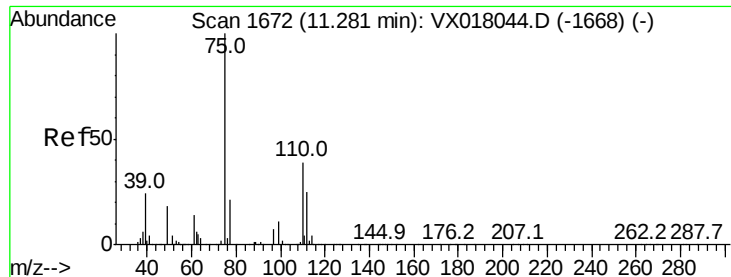
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.321 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018286.D

Acq: 08 Sep 2020 19:27

Instrument :

MSVOA_X

ClientSampleId :

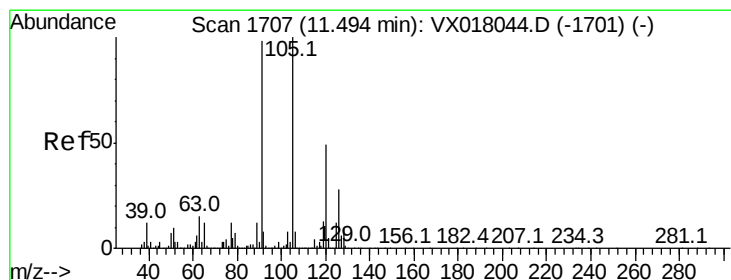
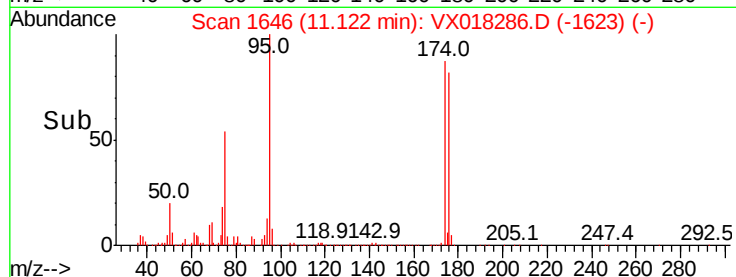
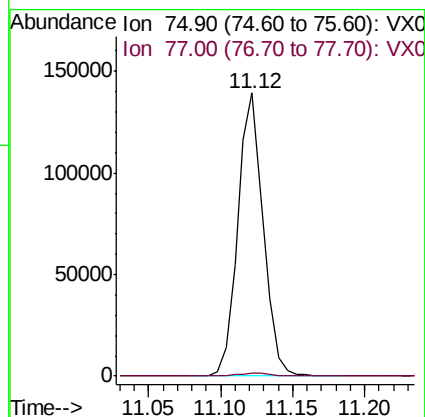
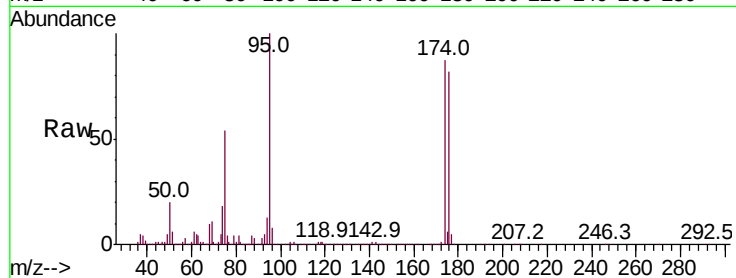
PB131451ZHE#07

Tot Ion: 75 Resp: 170599

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.653 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018286.D

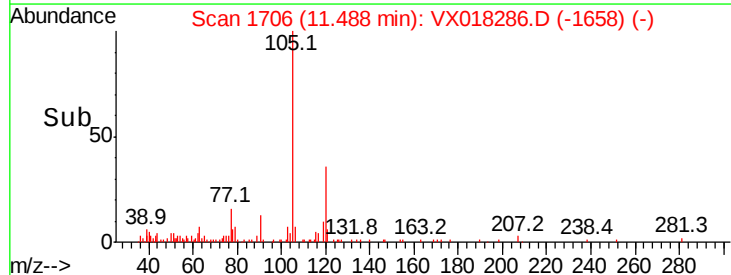
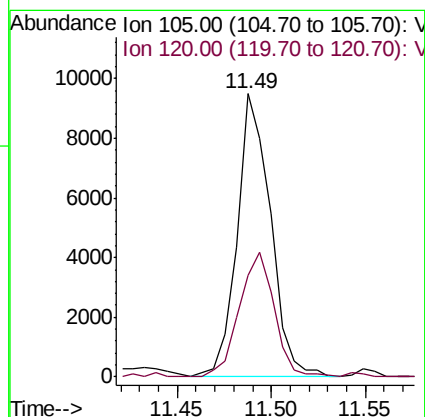
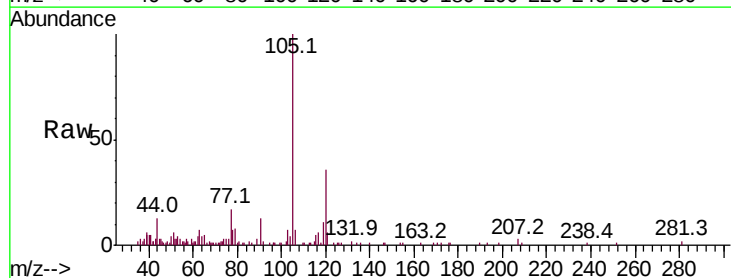
Acq: 08 Sep 2020 19:27

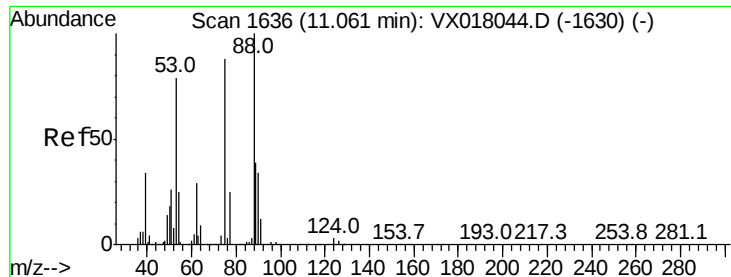
Tgt Ion: 105 Resp: 11636

Ion Ratio Lower Upper

105 100

120 46.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 62.986 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018286.D

Acq: 08 Sep 2020 19:27

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#07

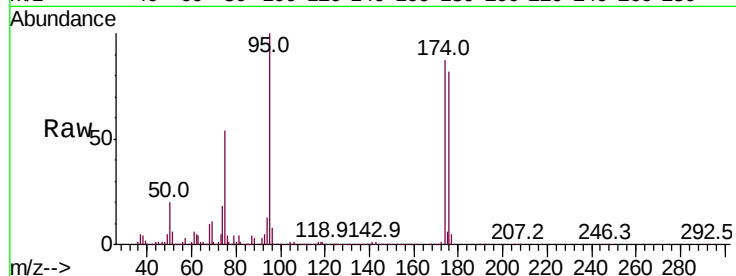
Tot Ion: 75 Resp: 170599

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.1 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

