

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082620\
 Data File : VX018076.D
 Acq On : 26 Aug 2020 14:47
 Operator : JC/SP
 Sample : PB131195ZHE#07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131195ZHE#07

Quant Time: Aug 27 04:04:40 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	464870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	688535	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	667114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	301908	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	310022	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
35) Dibromofluoromethane	5.47	113	258644	55.16	ug/l	0.00
Spiked Amount			Recovery	=	110.32%	
50) Toluene-d8	8.70	98	863296	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.12	95	314242	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	

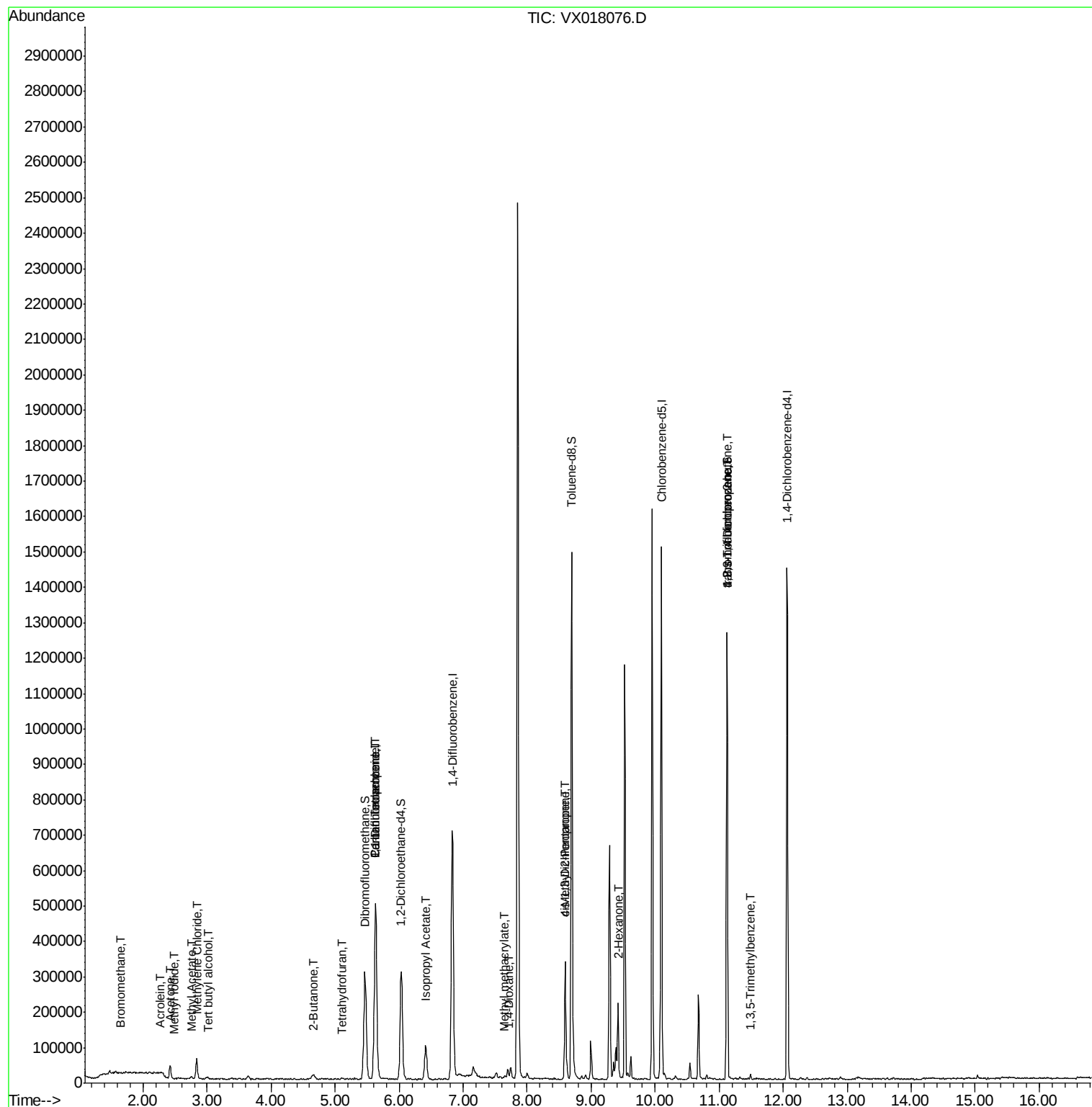
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	630	0.220	ug/l #	68
10) Methyl Iodide	2.48	142	113	5.308	ug/l #	24
11) Tert butyl alcohol	3.01	59	4037	3.217	ug/l	95
13) Acrolein	2.27	56	234	0.450	ug/l #	59
16) Acetone	2.42	43	43077	17.130	ug/l	91
18) Methyl Acetate	2.75	43	9339	1.539	ug/l	95
20) Methylene Chloride	2.84	84	27078	4.196	ug/l	97
25) 2-Butanone	4.65	43	9015	2.181	ug/l #	75
29) Tetrahydrofuran	5.09	42	1457	0.554	ug/l #	34
36) 1,1-Dichloropropene	5.64	75	36144	5.691	ug/l #	49
38) Carbon Tetrachloride	5.63	117	46803	6.540	ug/l #	19
43) Isopropyl Acetate	6.42	43	130179	10.927	ug/l	99
48) Methyl methacrylate	7.65	41	6845	1.154	ug/l #	15
49) 1,4-Dioxane	7.71	88	147	1.368	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	125477	17.051	ug/l #	47
54) cis-1,3-Dichloropropene	8.60	75	51842	6.253	ug/l #	60
59) 2-Hexanone	9.42	43	131882	23.568	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	167386	24.923	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	5942	0.363	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.12	75	167386	67.314	ug/l #	12

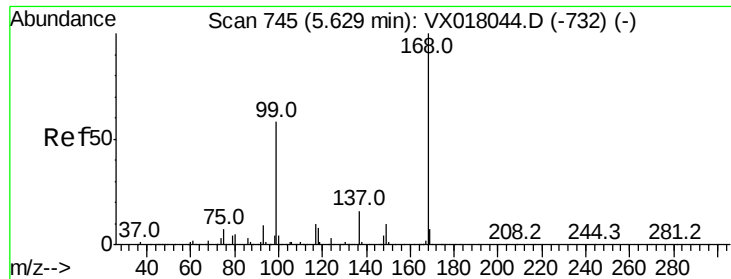
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 27 04:04:40 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: VX018076.D

Acq: 26 Aug 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

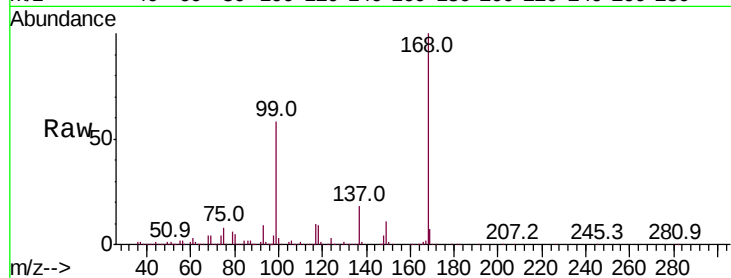
PB131195ZHE#07

Tot Ion:168 Resp: 464870

Ion Ratio Lower Upper

168 100

99 58.3 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

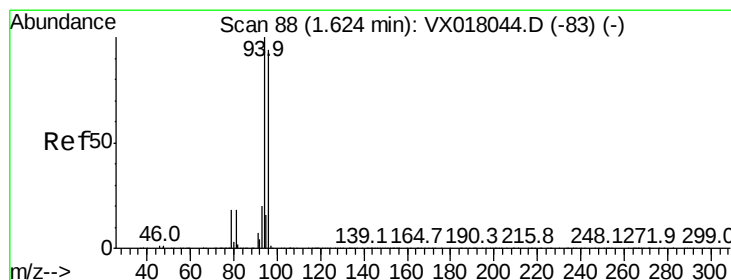
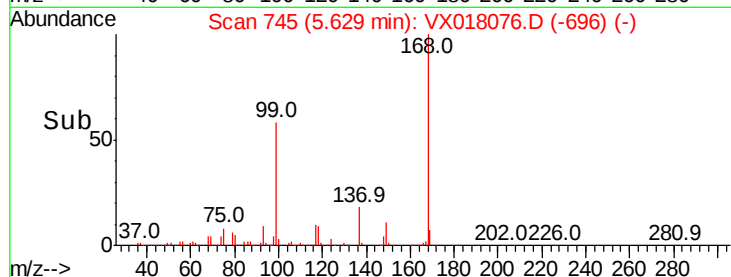
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.220 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018076.D

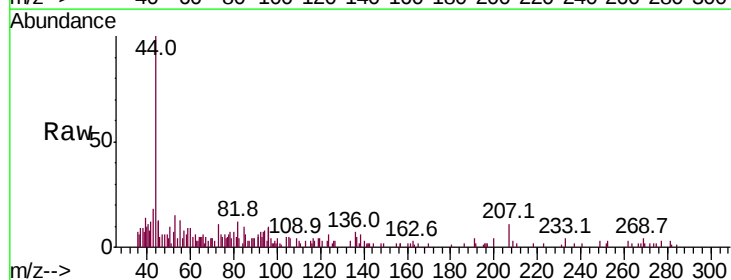
Acq: 26 Aug 2020 14:47

Tgt Ion: 94 Resp: 630

Ion Ratio Lower Upper

94 100

96 124.5 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

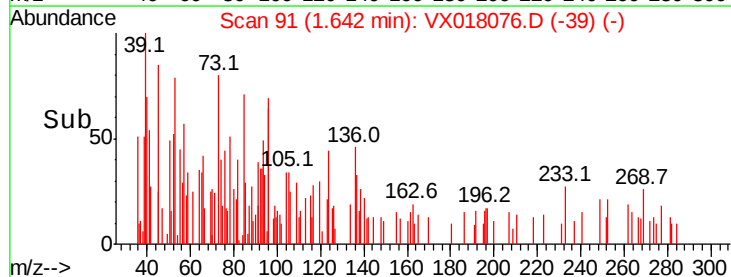
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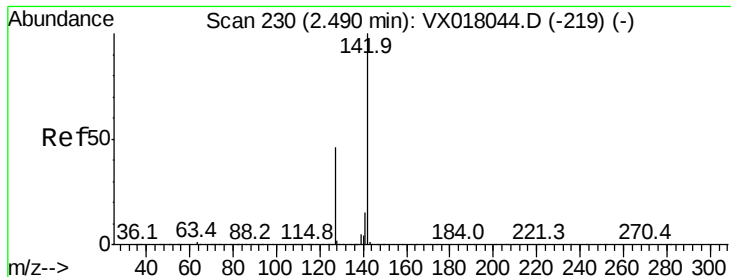
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200

0

Time-->

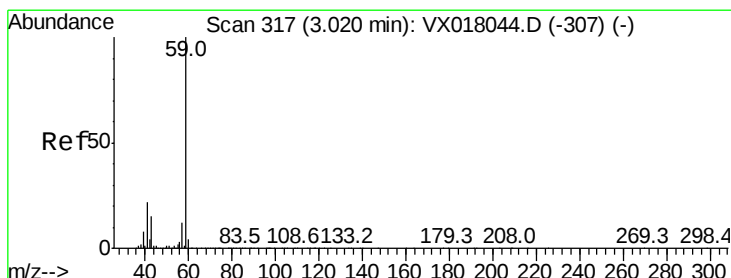
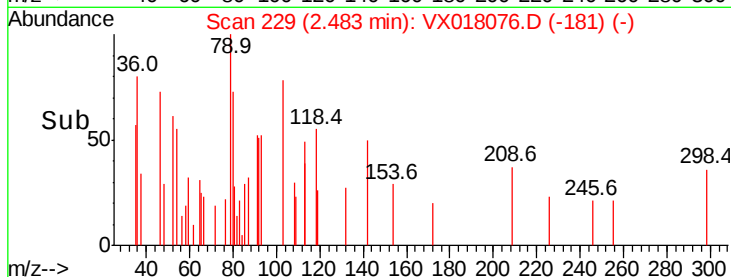
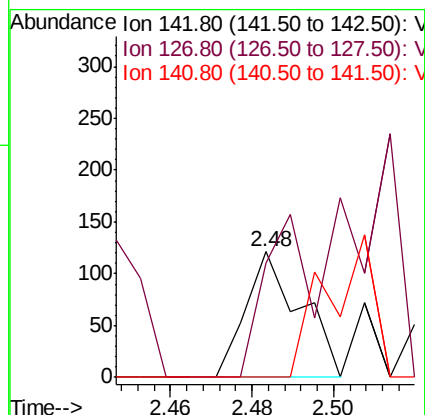
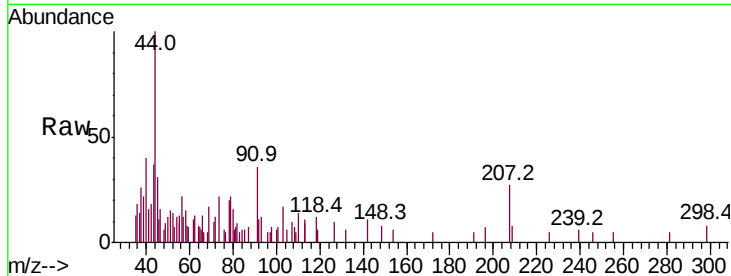




#10
Methyl Iodide
Concen: 5.308 ug/l
RT: 2.48 min Scan# 229
Delta R.T. -0.01 min
Lab File: VX018076.D
Acq: 26 Aug 2020 14:47

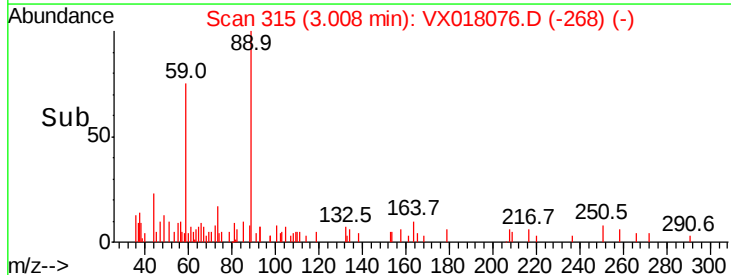
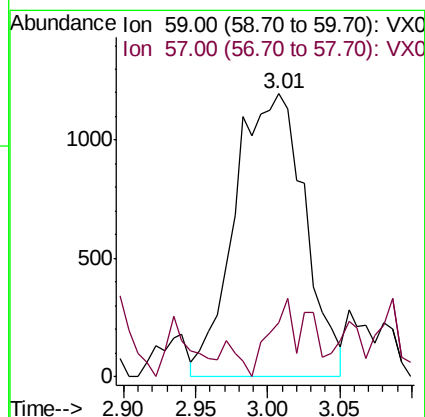
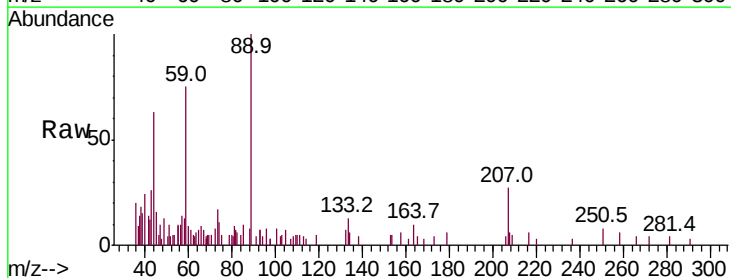
Instrument :
MSVOA_X
ClientSampleId :
PB131195ZHE#07

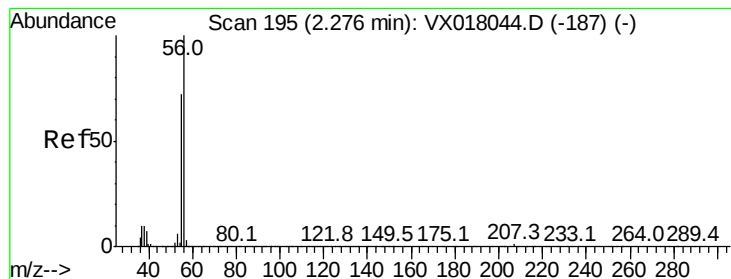
Tot Ion:142 Resp: 113
Ion Ratio Lower Upper
142 100
127 105.3 37.0 55.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 3.217 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018076.D
Acq: 26 Aug 2020 14:47

Tgt Ion: 59 Resp: 4037
Ion Ratio Lower Upper
59 100
57 9.0 8.9 13.3





#13

Acrolein

Concen: 0.450 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018076.D

Acq: 26 Aug 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

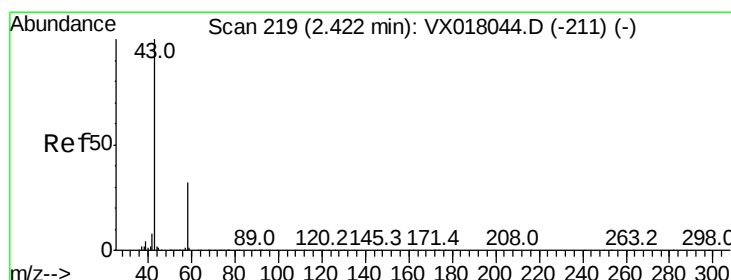
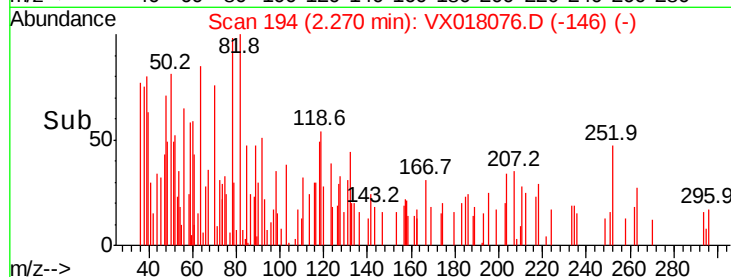
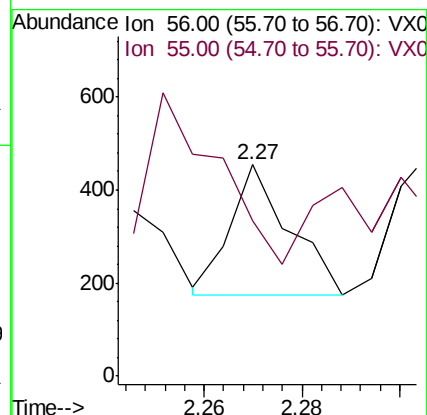
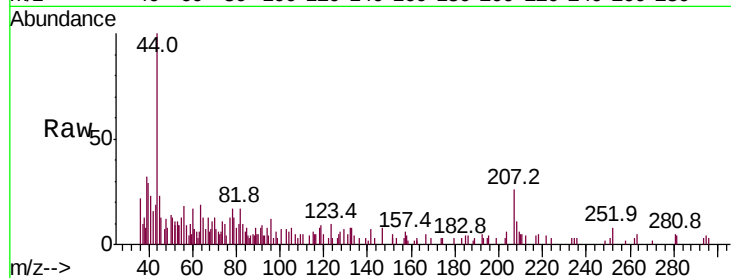
PB131195ZHE#07

Tot Ion: 56 Resp: 234

Ion Ratio Lower Upper

56 100

55 105.1 57.0 85.6#



#16

Acetone

Concen: 17.130 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018076.D

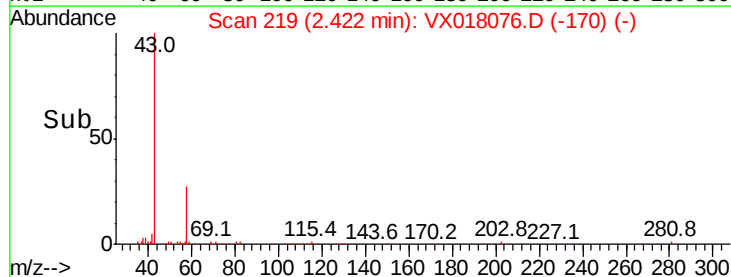
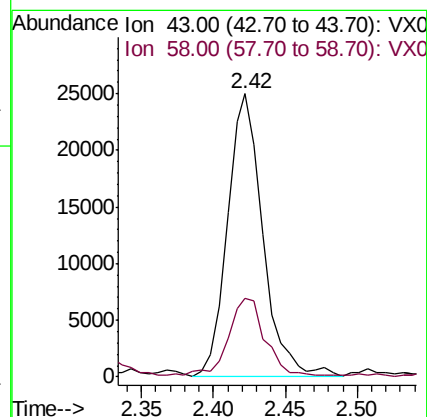
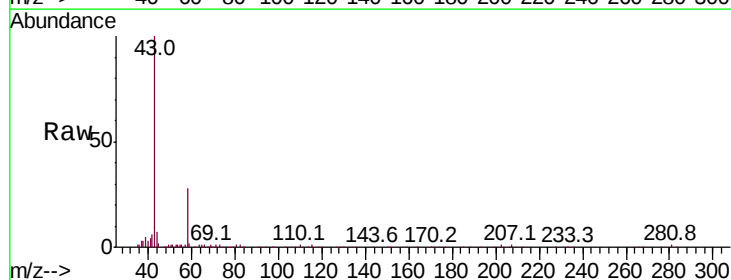
Acq: 26 Aug 2020 14:47

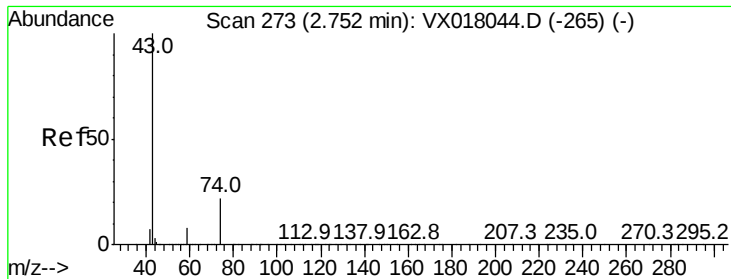
Tgt Ion: 43 Resp: 43077

Ion Ratio Lower Upper

43 100

58 27.1 25.5 38.3

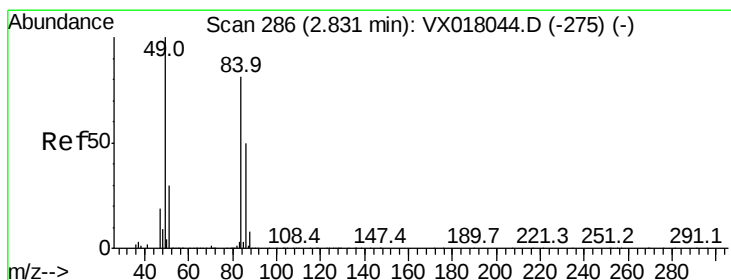
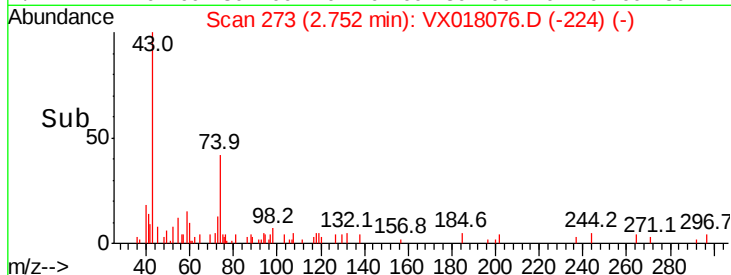
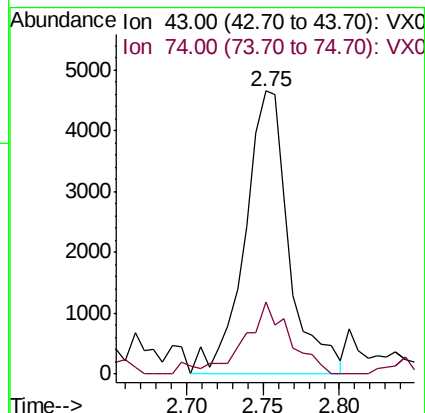
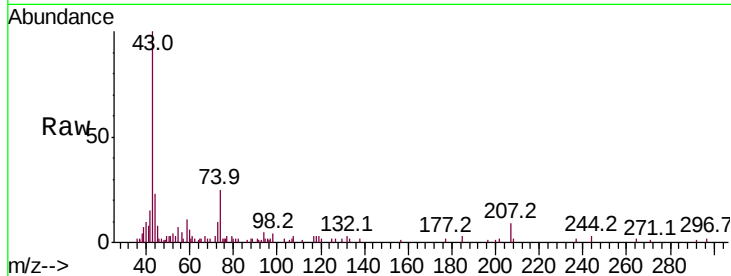




#18
Methvl Acetate
Concen: 1.539 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018076.D
Acq: 26 Aug 2020 14:47

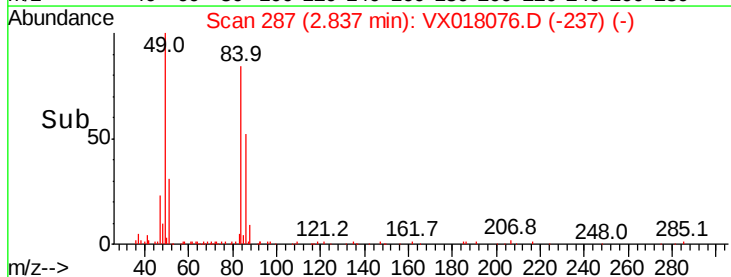
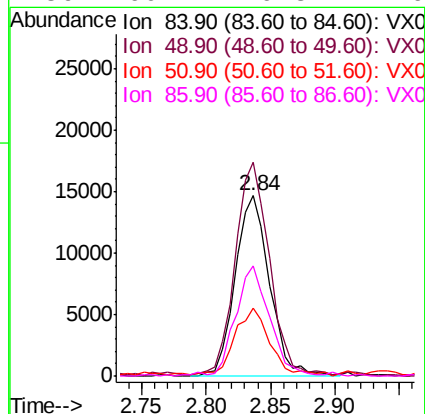
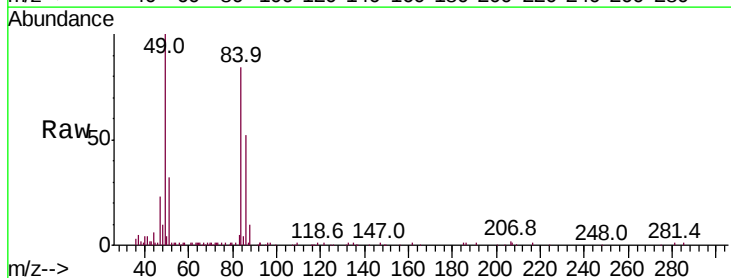
Instrument :
MSVOA_X
ClientSampleId :
PB131195ZHE#07

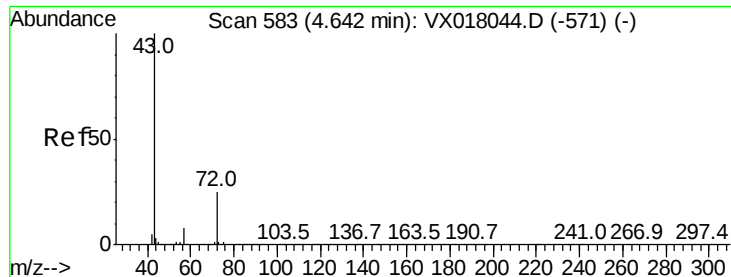
Tot Ion: 43 Resp: 9339
Ion Ratio Lower Upper
43 100
74 25.4 18.2 27.4



#20
Methylene Chloride
Concen: 4.196 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018076.D
Acq: 26 Aug 2020 14:47

Tgt Ion: 84 Resp: 27078
Ion Ratio Lower Upper
84 100
49 117.9 98.6 148.0
51 37.0 29.6 44.4
86 60.7 49.8 74.6

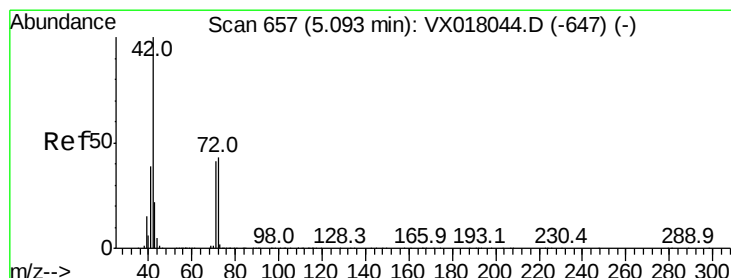
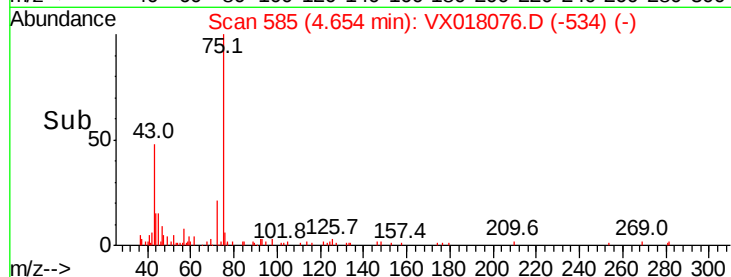
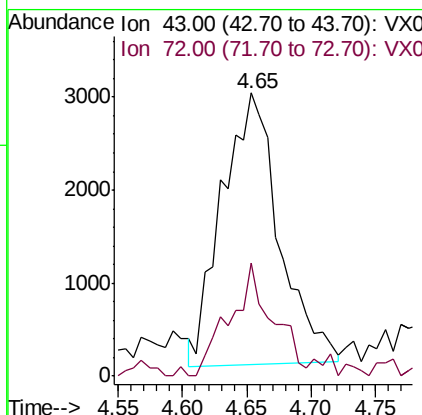
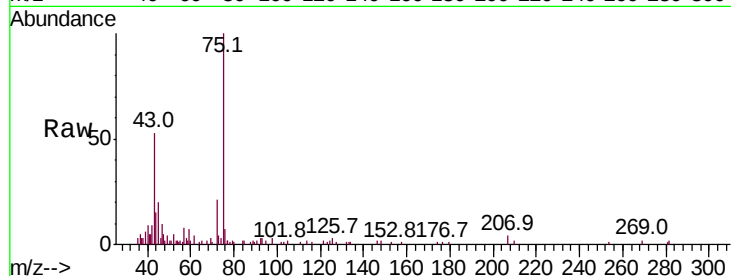




#25
2-Butanone
Concen: 2.181 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX018076.D
Acq: 26 Aug 2020 14:47

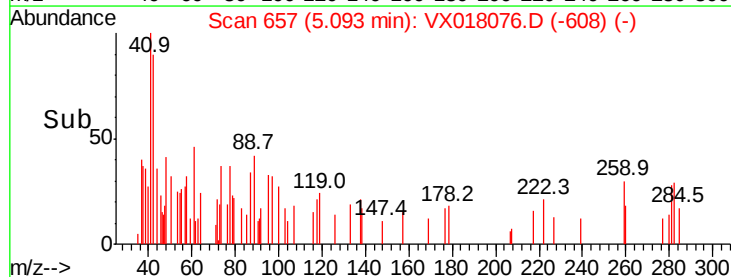
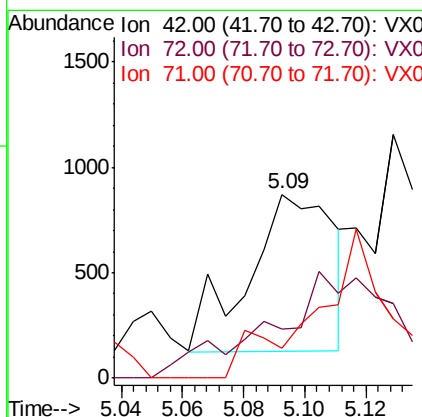
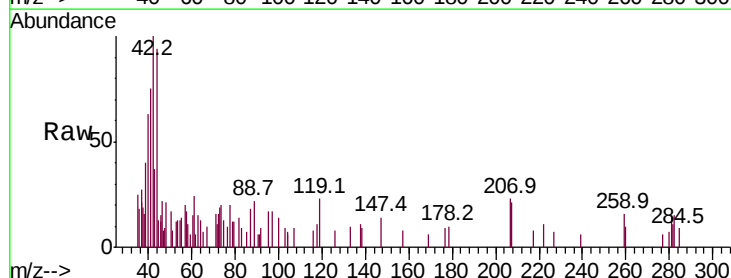
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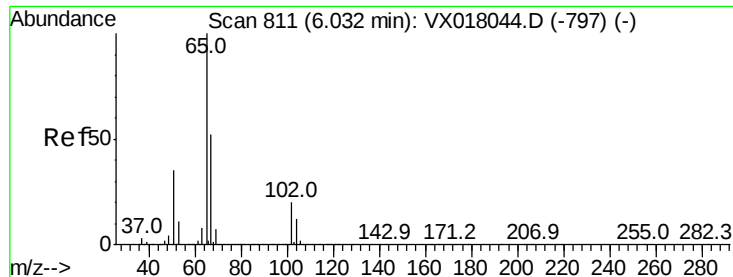
Tot Ion: 43 Resp: 9015
Ion Ratio Lower Upper
43 100
72 37.4 19.8 29.6#



#29
Tetrahydrofuran
Concen: 0.554 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX018076.D
Acq: 26 Aug 2020 14:47

Tgt Ion: 42 Resp: 1457
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 48.039 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018076.D

Acq: 26 Aug 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

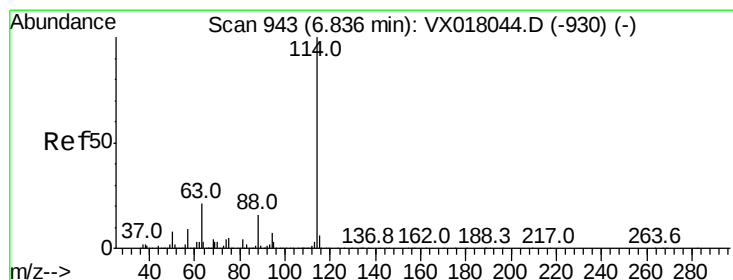
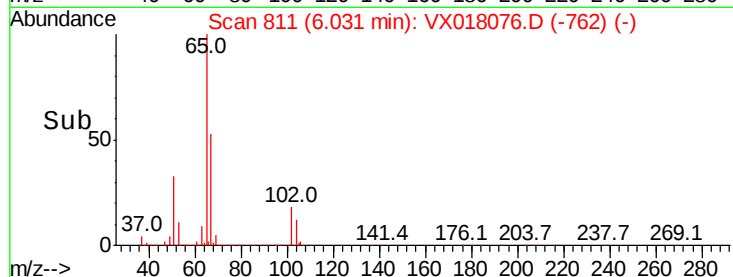
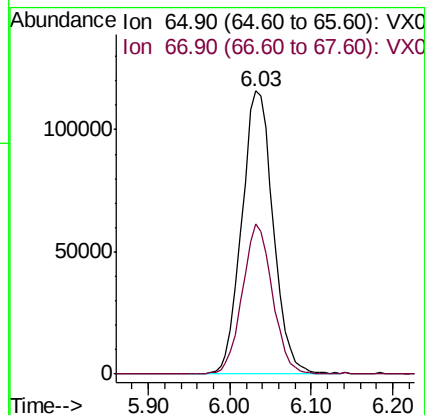
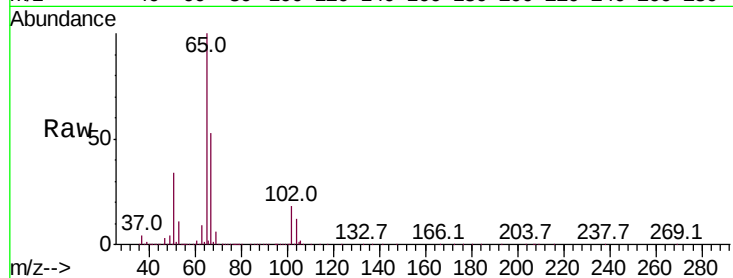
PB131195ZHE#07

Tot Ion: 65 Resp: 310022

Ion Ratio Lower Upper

65 100

67 50.9 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018076.D

Acq: 26 Aug 2020 14:47

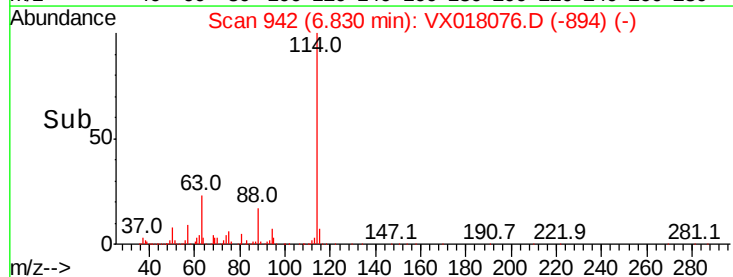
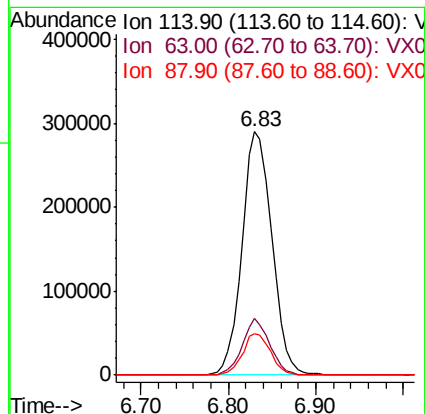
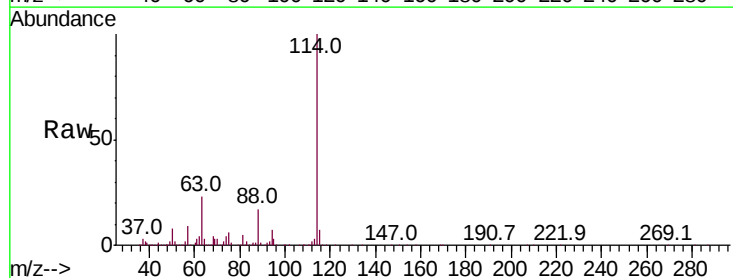
Tgt Ion: 114 Resp: 688535

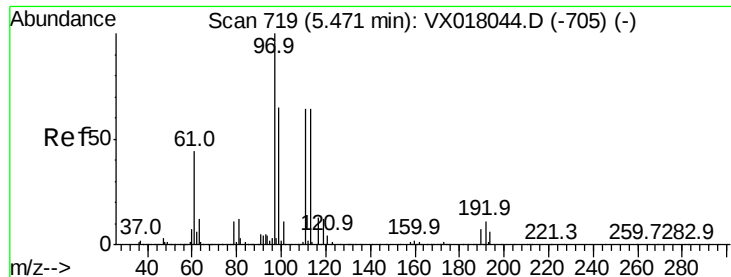
Ion Ratio Lower Upper

114 100

63 23.4 0.0 42.6

88 17.1 0.0 31.8

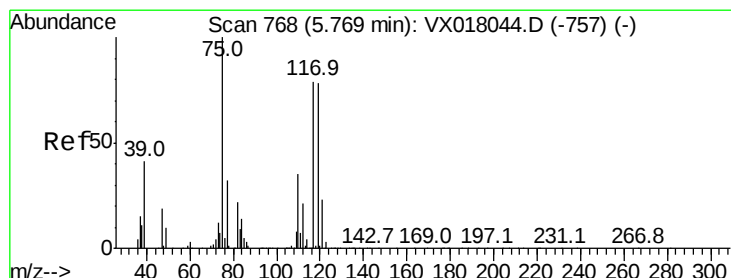
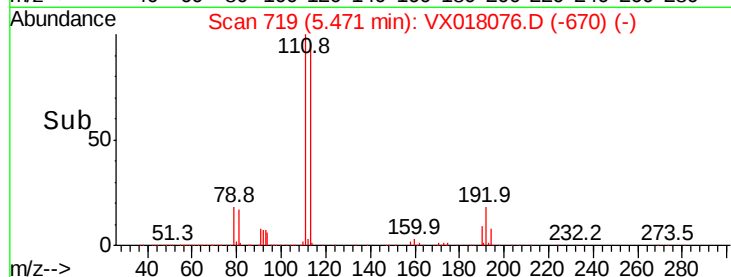
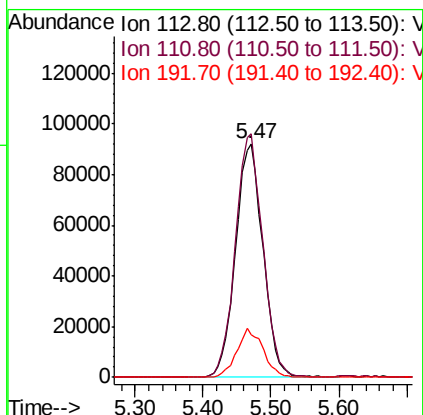
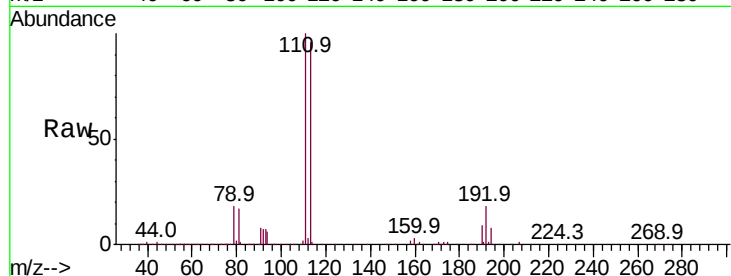




#35
 Dibromofluoromethane
 Concen: 55.157 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018076.D
 Acq: 26 Aug 2020 14:47

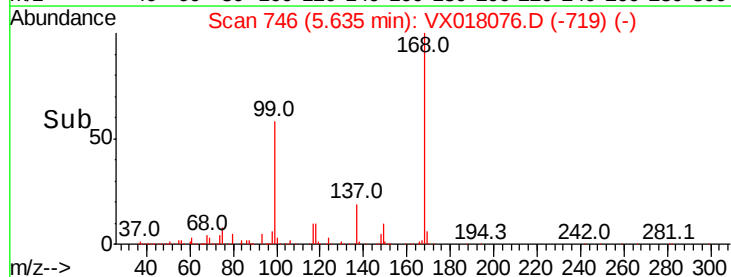
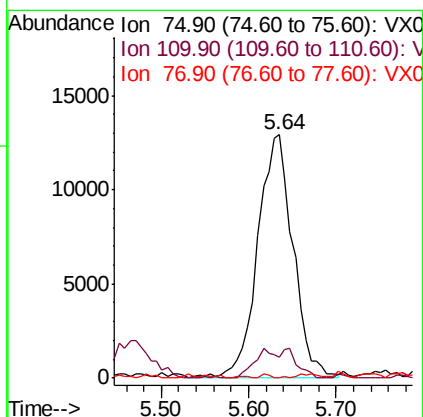
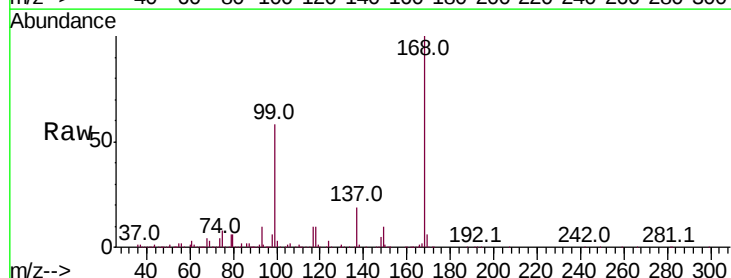
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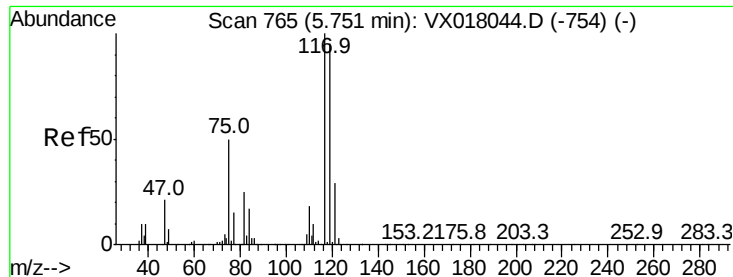
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.6	122.4
192	20.0	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.691 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018076.D
 Acq: 26 Aug 2020 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	18.0	54.0#
77	0.3	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.540 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018076.D

Acq: 26 Aug 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#07

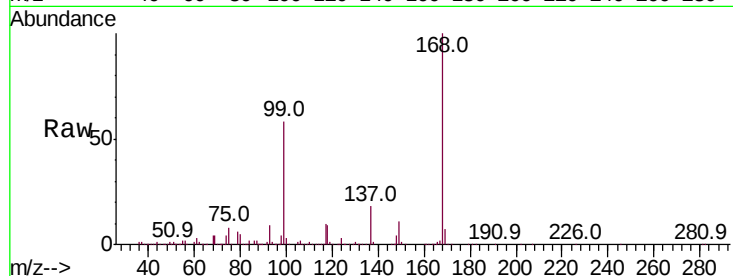
Tot Ion:117 Resp: 46803

Ion Ratio Lower Upper

117 100

119 8.3 75.8 113.6#

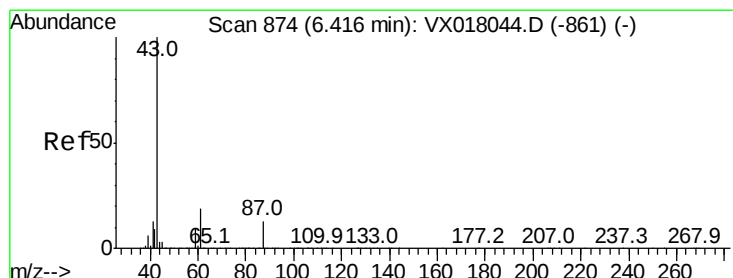
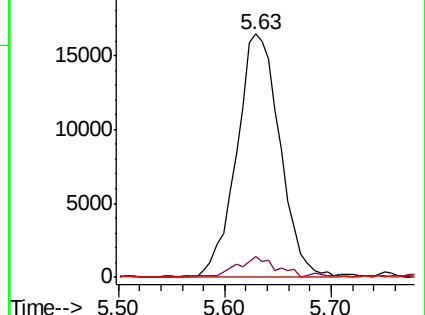
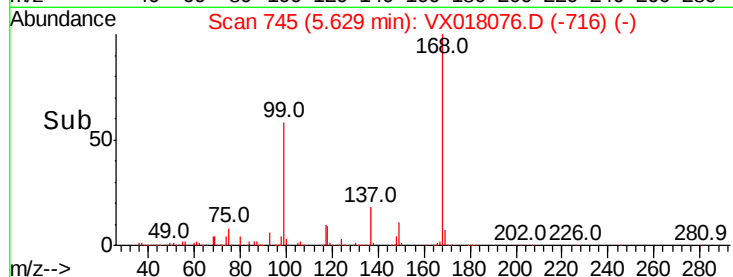
121 0.0 23.4 35.0#



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: 10.927 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018076.D

Acq: 26 Aug 2020 14:47

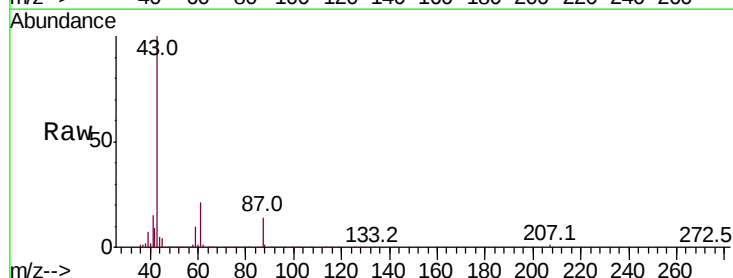
Tgt Ion: 43 Resp: 130179

Ion Ratio Lower Upper

43 100

61 19.9 15.7 23.5

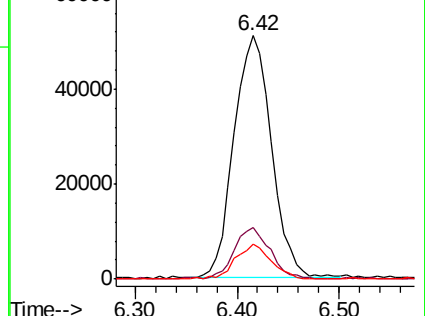
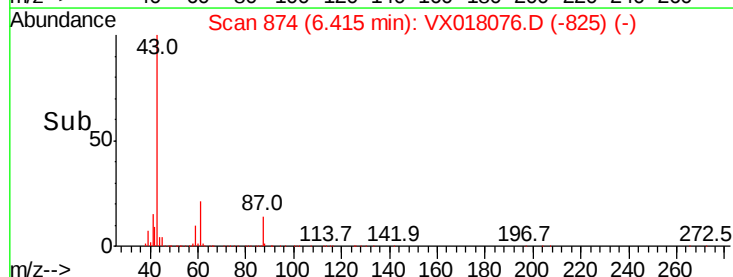
87 13.7 10.3 15.5

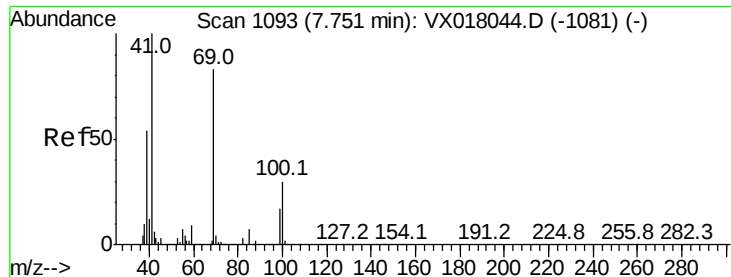


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

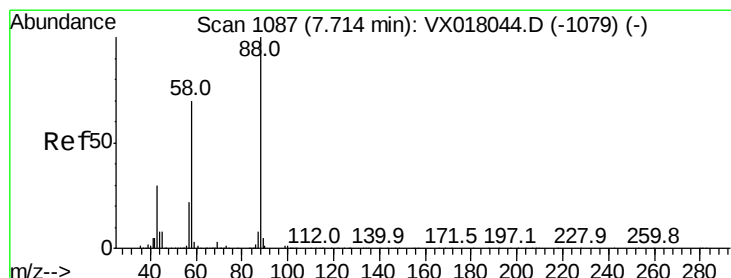
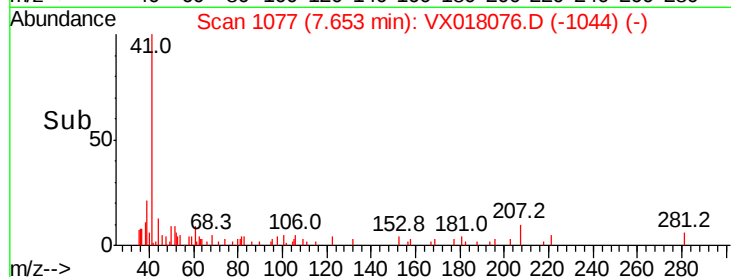
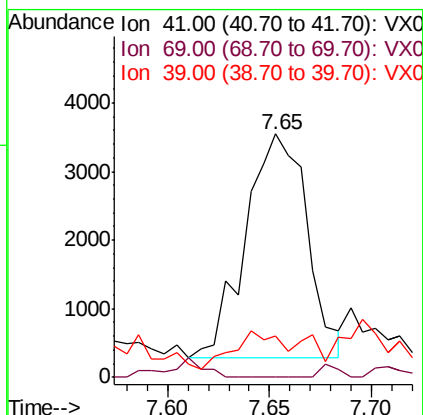
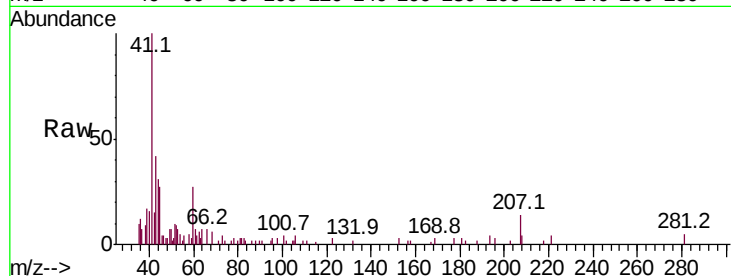




#48
Methyl methacrylate
Concen: 1.154 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX018076.D
Acq: 26 Aug 2020 14:47

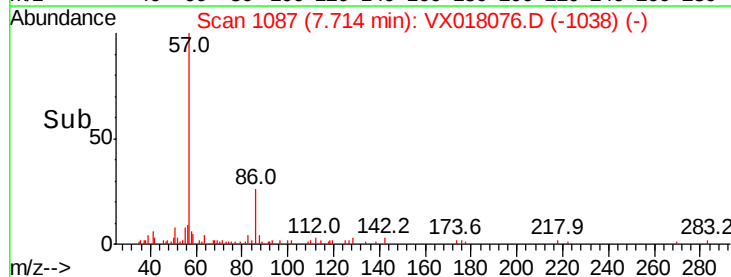
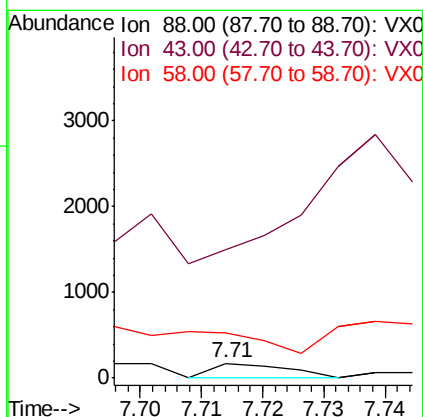
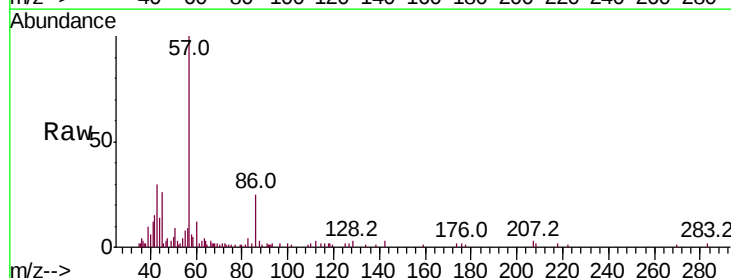
Instrument :
MSVOA_X
ClientSampleId :
PB131195ZHE#07

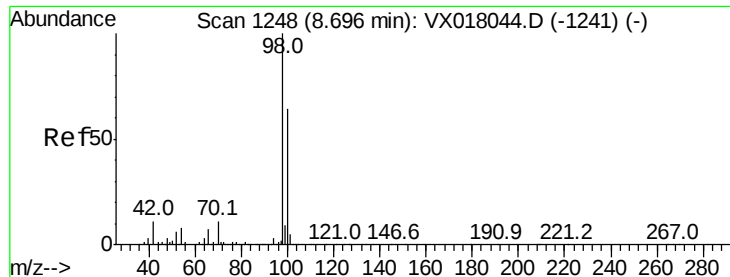
Tot Ion	Ratio	Lower	Upper
41	100		
69	0.0	65.5	98.3#
39	0.0	44.5	66.7#



#49
1,4-Dioxane
Concen: 1.368 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX018076.D
Acq: 26 Aug 2020 14:47

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	0.0	56.4	84.6#





#50

Toluene-d8

Concen: 49.429 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018076.D

Acq: 26 Aug 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

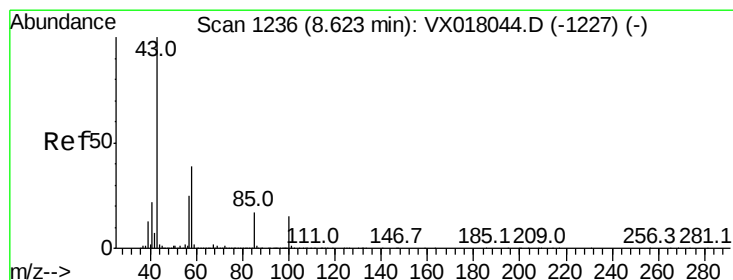
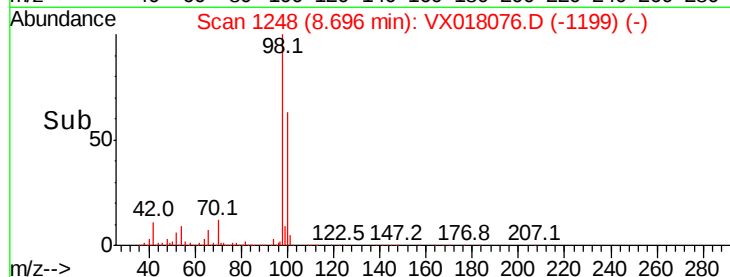
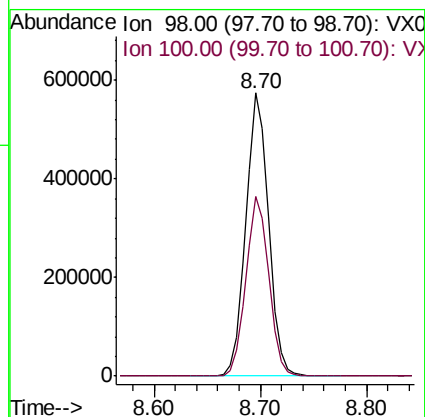
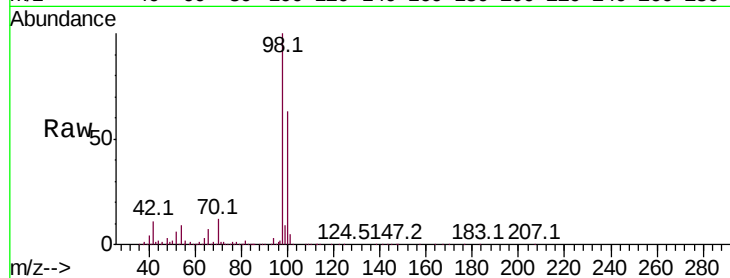
PB131195ZHE#07

Tot Ion: 98 Resp: 863296

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 17.051 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018076.D

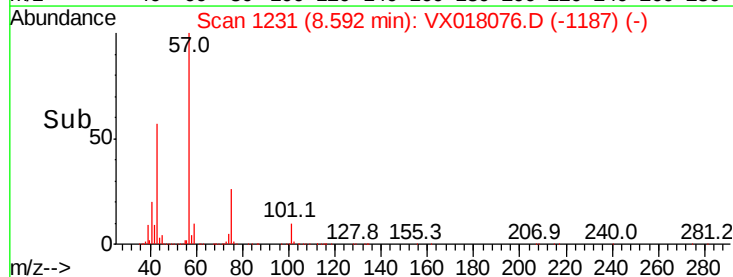
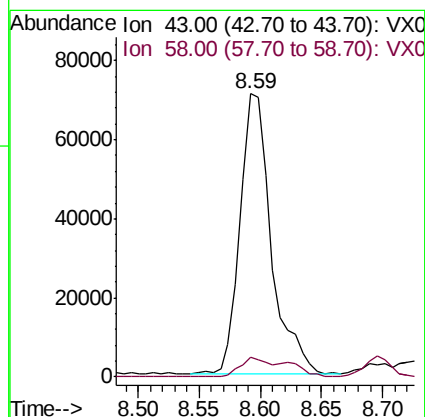
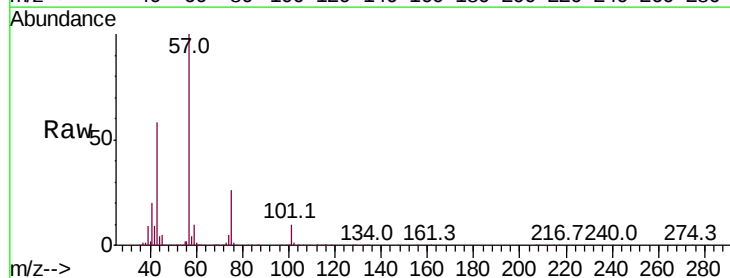
Acq: 26 Aug 2020 14:47

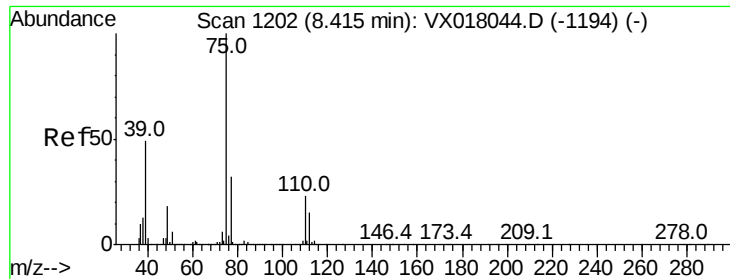
Tgt Ion: 43 Resp: 125477

Ion Ratio Lower Upper

43 100

58 6.4 30.7 46.1#





#54

cis-1,3-Dichloropropene

Concen: 6.253 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018076.D

Acq: 26 Aug 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#07

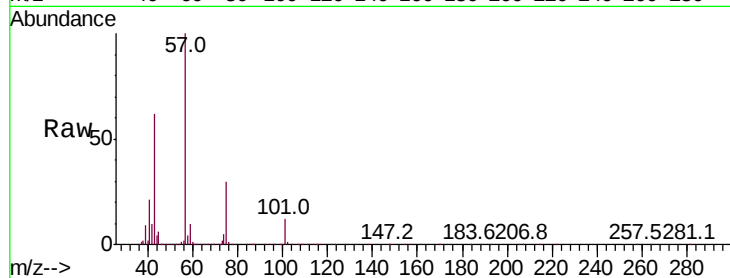
Tot Ion: 75 Resp: 51842

Ion Ratio Lower Upper

75 100

77 1.0 25.8 38.8#

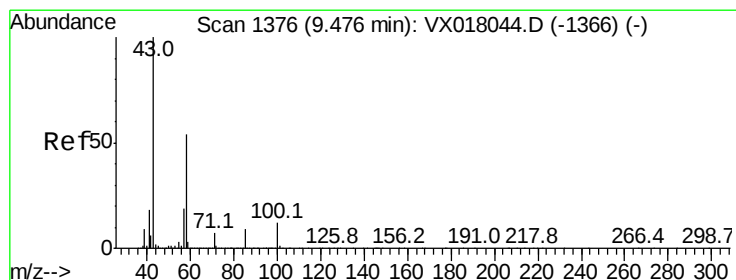
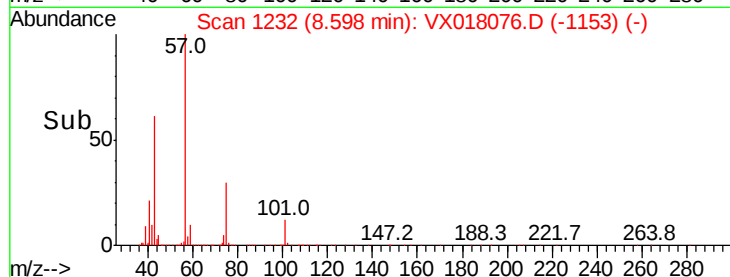
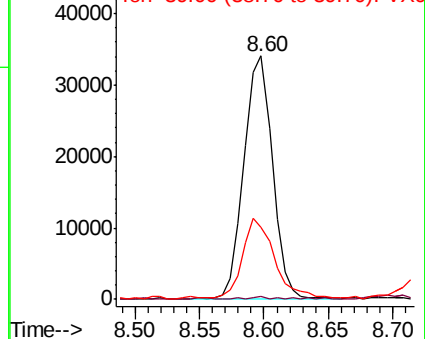
39 28.8 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 23.568 ug/l

RT: 9.42 min Scan# 1367

Delta R.T. -0.06 min

Lab File: VX018076.D

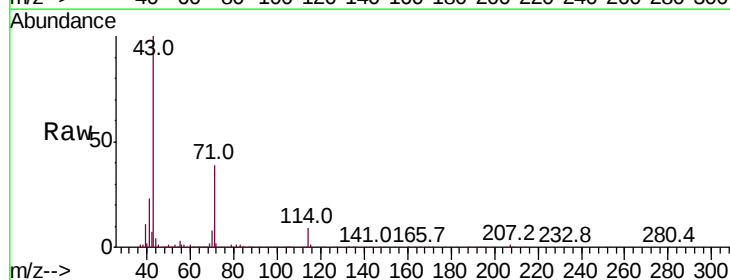
Acq: 26 Aug 2020 14:47

Tgt Ion: 43 Resp: 131882

Ion Ratio Lower Upper

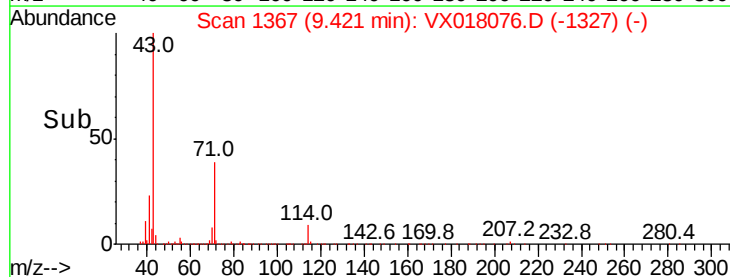
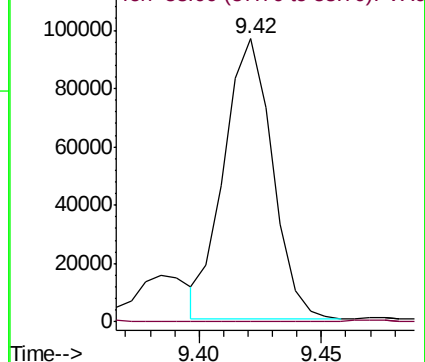
43 100

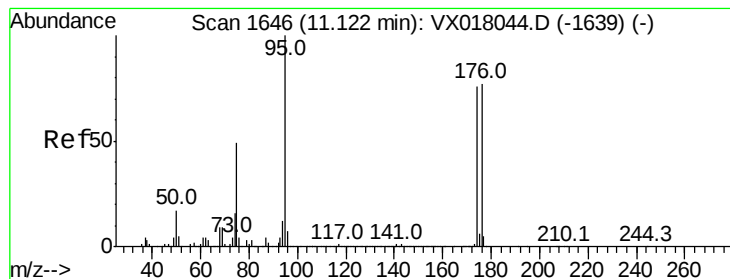
58 0.0 26.6 79.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.731 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018076.D

Acq: 26 Aug 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#07

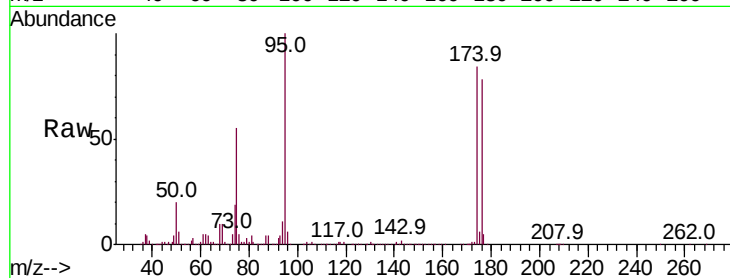
Tot Ion: 95 Resp: 314242

Ion Ratio Lower Upper

95 100

174 84.0 0.0 160.2

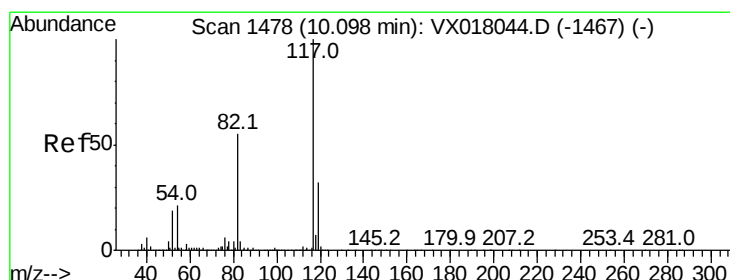
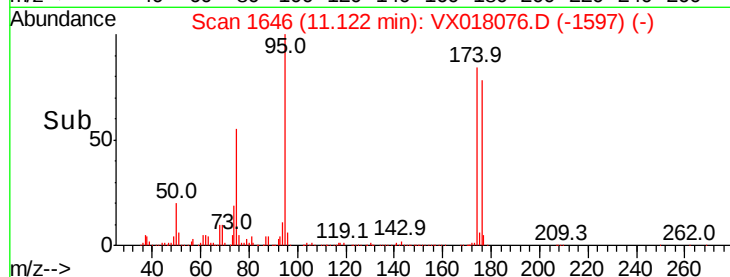
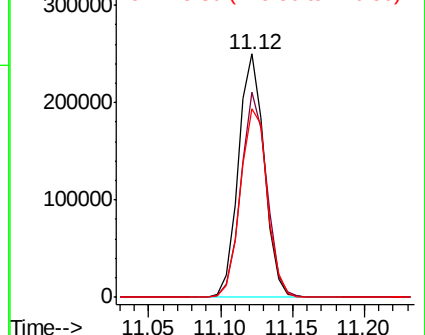
176 80.2 0.0 155.8



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: VX018076.D

Acq: 26 Aug 2020 14:47

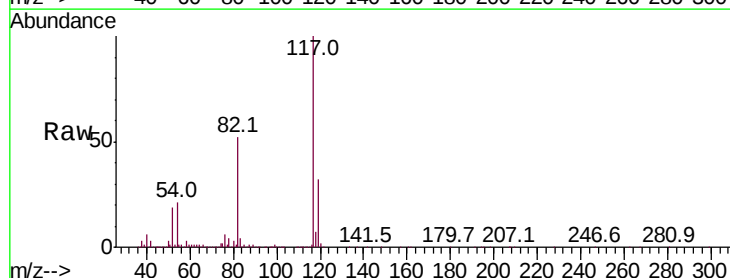
Tgt Ion: 117 Resp: 667114

Ion Ratio Lower Upper

117 100

82 52.5 44.2 66.2

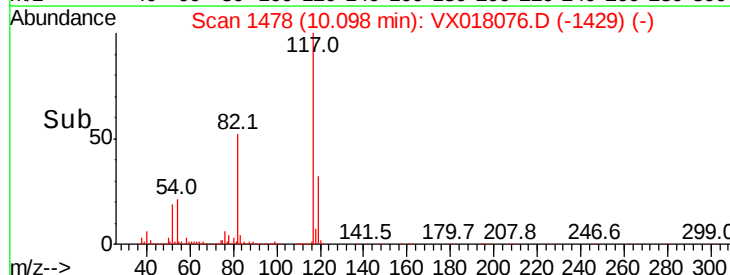
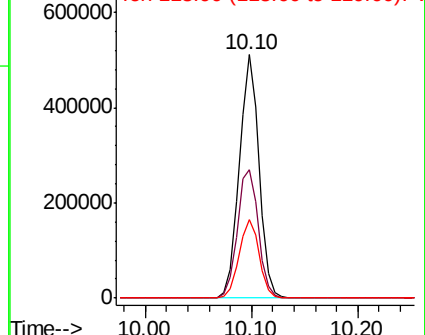
119 32.4 25.7 38.5

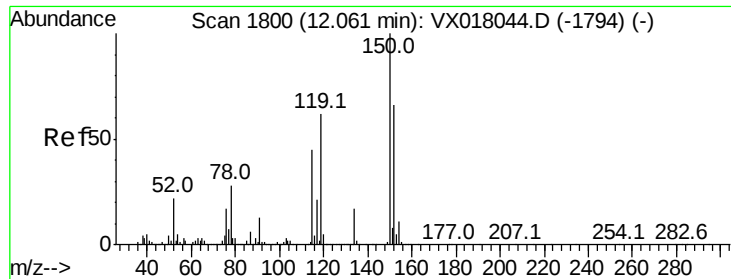


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018076.D

Acq: 26 Aug 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#07

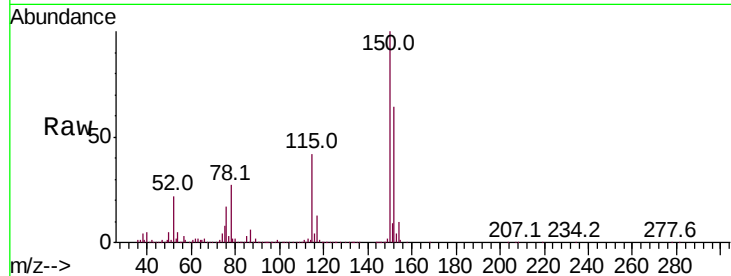
Tot Ion:152 Resp: 301908

Ion Ratio Lower Upper

152 100

115 61.0 41.5 124.5

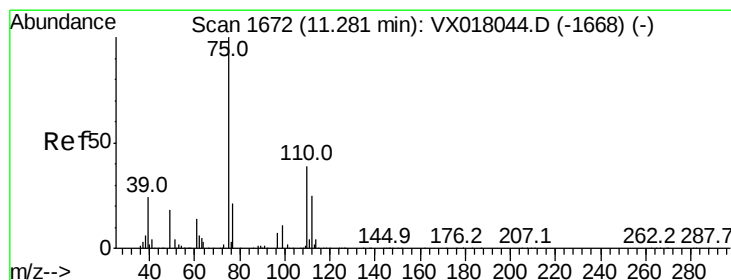
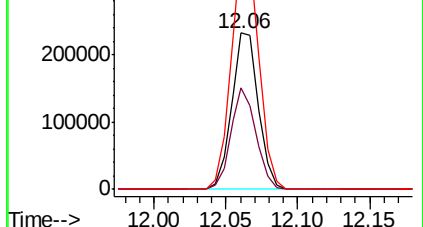
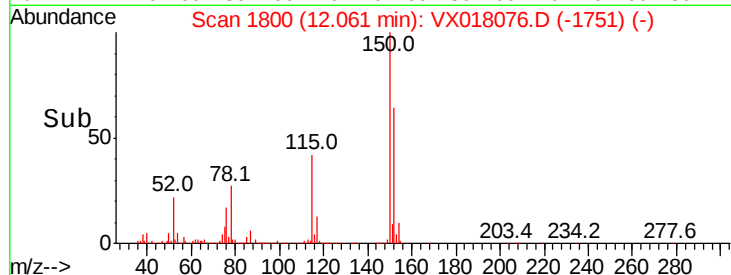
150 158.3 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.923 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018076.D

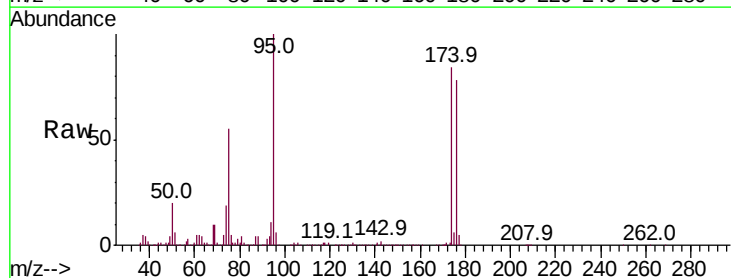
Acq: 26 Aug 2020 14:47

Tgt Ion: 75 Resp: 167386

Ion Ratio Lower Upper

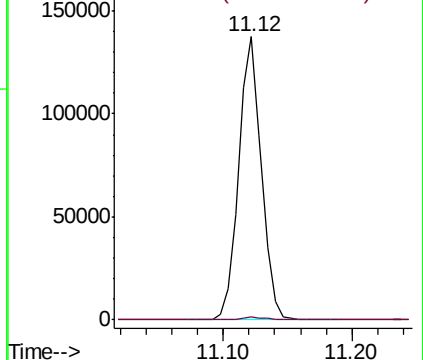
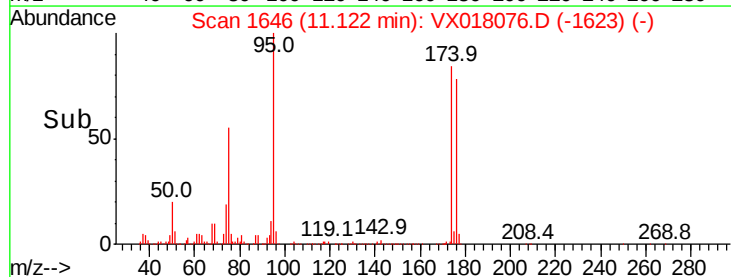
75 100

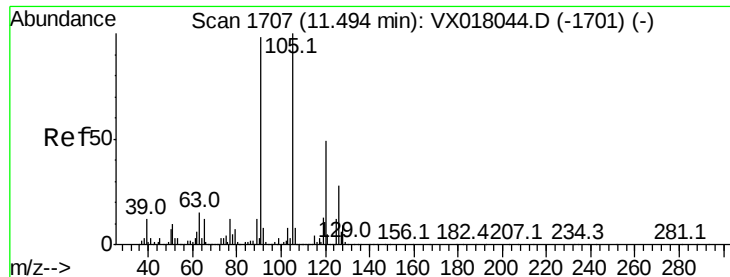
77 1.2 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

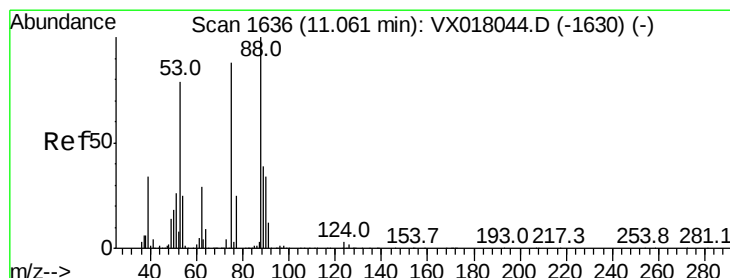
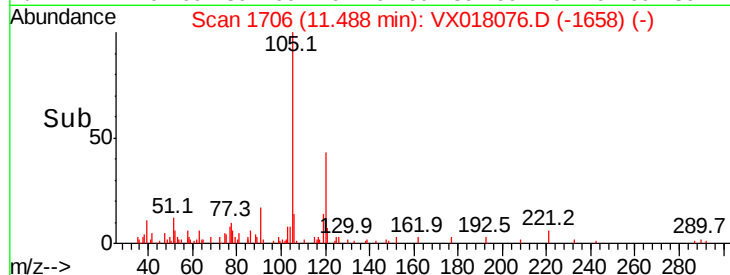
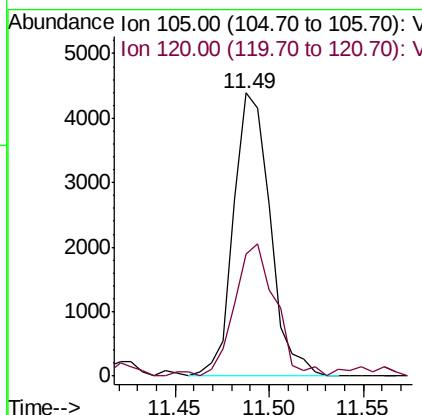
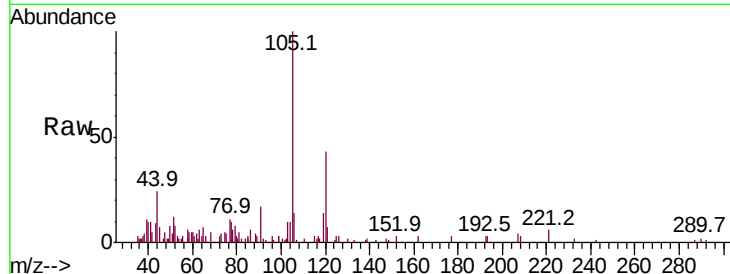




#80
 1,3,5-Trimethylbenzene
 Concen: 0.363 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX018076.D
 Acq: 26 Aug 2020 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131195ZHE#07

Tot Ion:105 Resp: 5942
 Ion Ratio Lower Upper
 105 100
 120 52.3 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.314 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018076.D
 Acq: 26 Aug 2020 14:47

Tgt Ion: 75 Resp: 167386
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.7 112.1#
 89 0.2 36.6 54.8#

