

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121120\
 Data File : VX019873.D
 Acq On : 11 Dec 2020 13:07
 Operator : JC/MD
 Sample : L5028-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 12 00:22:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Dec 09 06:09:21 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

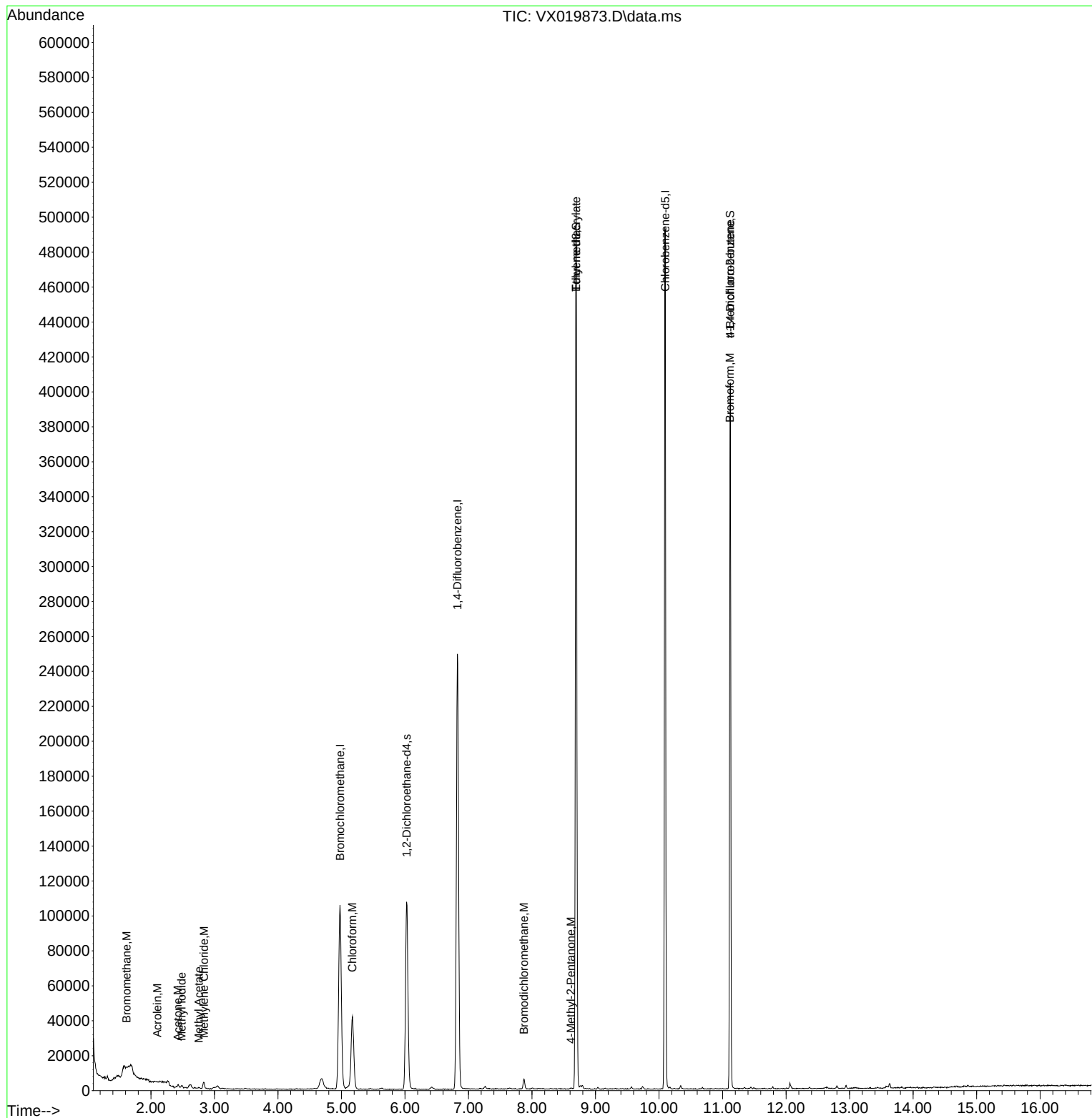
Internal Standards						
1) Bromochloromethane	4.977	128	47016	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.824	114	261780	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.098	117	235748	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.025	65	104054	31.93	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.43%
60) 4-Bromofluorobenzene	11.122	95	111926	28.27	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.23%
63) Toluene-d8	8.695	98	306563	29.69	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.97%
Target Compounds						
						Qvalue
5) Bromomethane	1.617	94	505	0.42	ug/l	92
11) Methyl Iodide	2.483	142	1445	0.44	ug/l	95
12) Methyl Acetate	2.751	43	767	0.23	ug/l #	84
13) Acrolein	2.099	56	110	0.23	ug/l	96
15) Acetone	2.422	58	560	1.17	ug/l	84
18) Methylene Chloride	2.837	84	1799	0.57	ug/l #	84
25) Chloroform	5.172	83	49805	9.30	ug/l	94
41) Bromodichloromethane	7.872	83	3768	0.89	ug/l	88
51) Ethyl methacrylate	8.695	69	1024	0.21	ug/l #	65
56) Bromoform	11.116	173	719	0.29	ug/l #	1
58) 4-Methyl-2-Pentanone	8.610	43	962	0.24	ug/l #	50
77) t-1,4-Dichloro-2-butene	11.122	75	53597	32.18	ug/l #	11

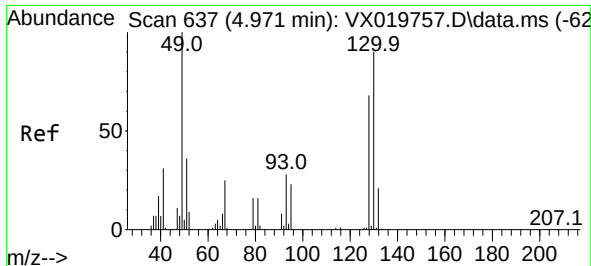
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121120\
Data File : VX019873.D
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Sample : L5028-01 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

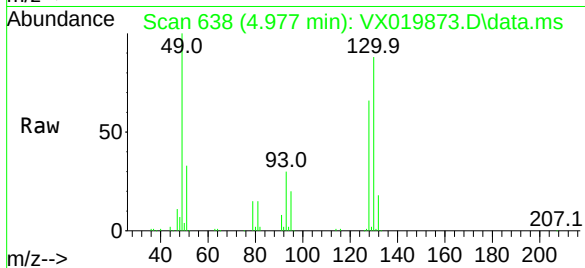
Quant Time: Dec 12 00:22:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Dec 09 06:09:21 2020
Response via : Initial Calibration



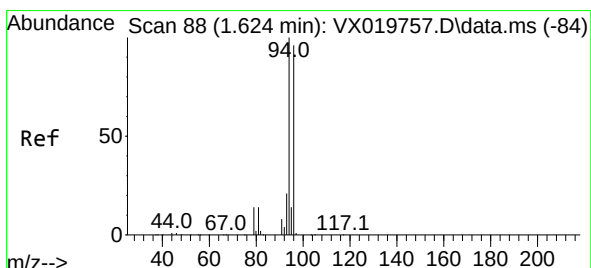
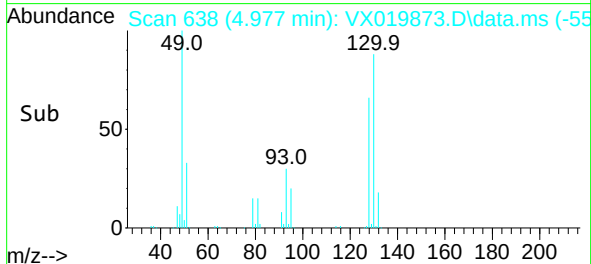
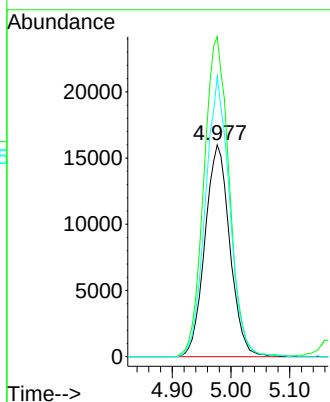


#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.977 min Scan# 638
Delta R.T. 0.006 min
Lab File: VX019873.D
Acq: 11 Dec 2020 13:07

Instrument :
MSVOA_X
ClientSampled :

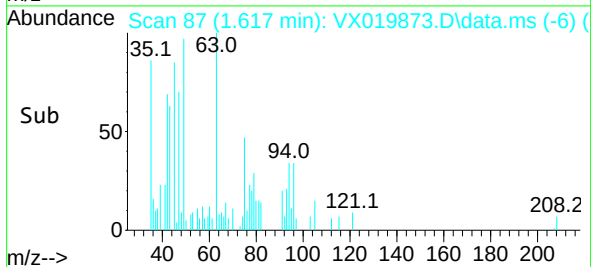
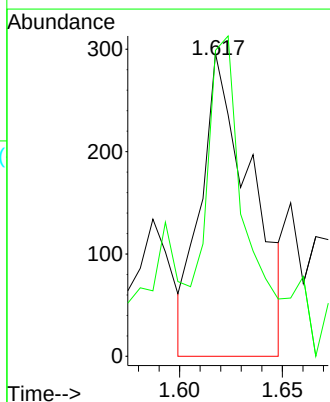
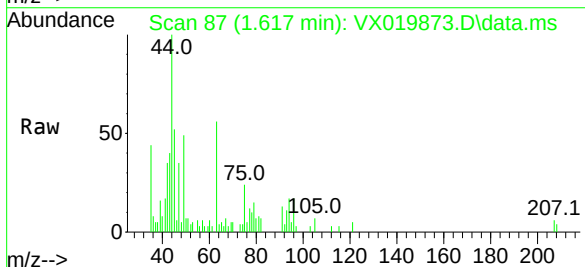


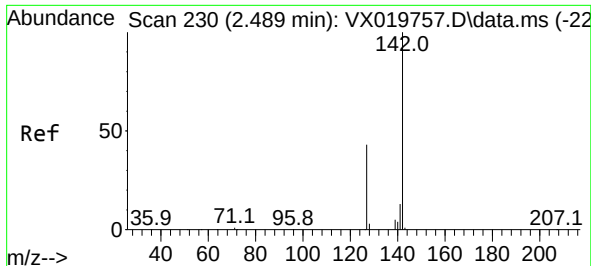
Tgt Ion:128 Resp: 47016
Ion Ratio Lower Upper
128 100
49 153.1 0.0 367.5
130 129.1 0.0 318.8



#5
Bromomethane
Concen: 0.42 ug/l
RT: 1.617 min Scan# 87
Delta R.T. -0.006 min
Lab File: VX019873.D
Acq: 11 Dec 2020 13:07

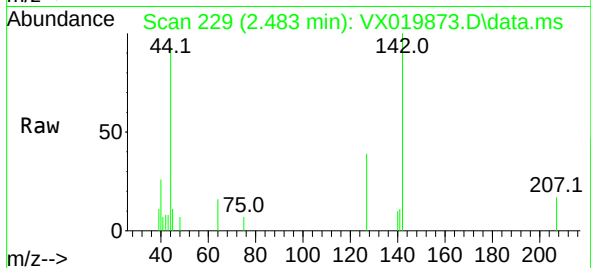
Tgt Ion: 94 Resp: 505
Ion Ratio Lower Upper
94 100
96 103.4 76.6 114.8



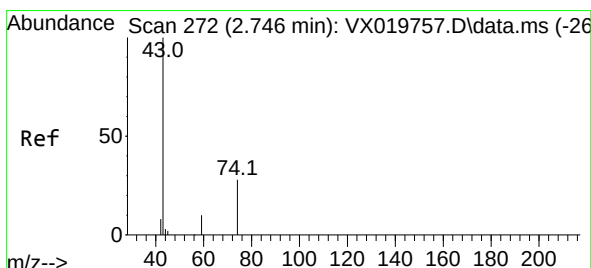
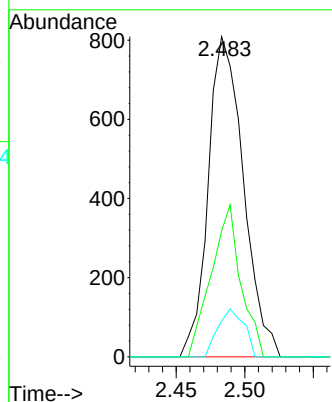
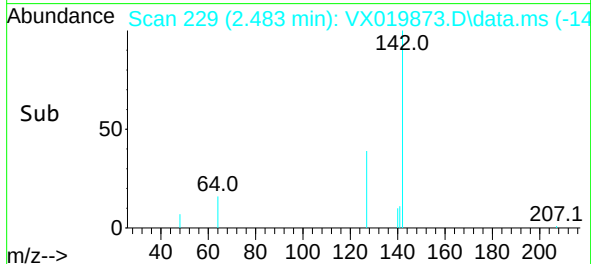


#11
Methyl Iodide
Concen: 0.44 ug/l
RT: 2.483 min Scan# 229
Delta R.T. -0.006 min
Lab File: VX019873.D
Acq: 11 Dec 2020 13:07

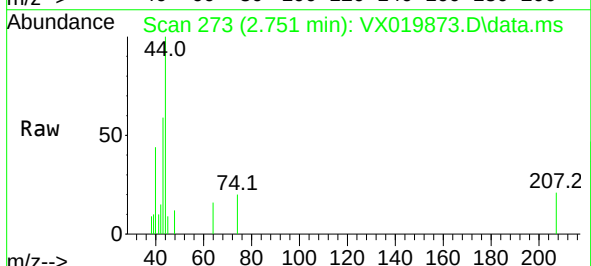
Instrument :
MSVOA_X
ClientSampleId :



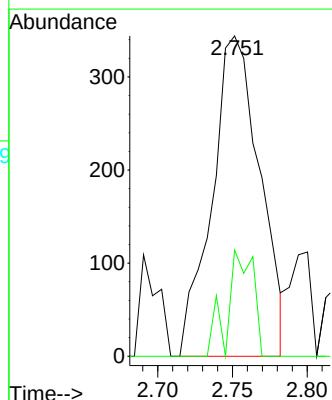
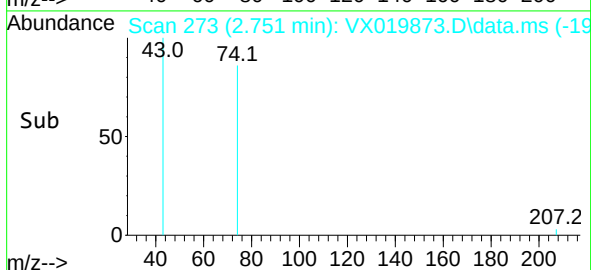
Tgt Ion:142 Resp: 1445
Ion Ratio Lower Upper
142 100
127 39.3 21.4 64.2
141 11.1 6.5 19.4

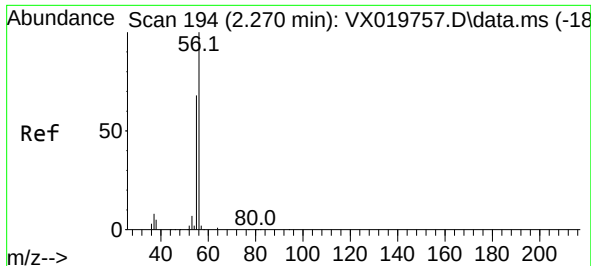


#12
Methyl Acetate
Concen: 0.23 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX019873.D
Acq: 11 Dec 2020 13:07



Tgt Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
74 36.8 22.8 34.2#

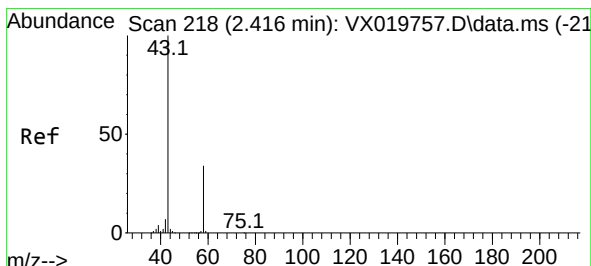
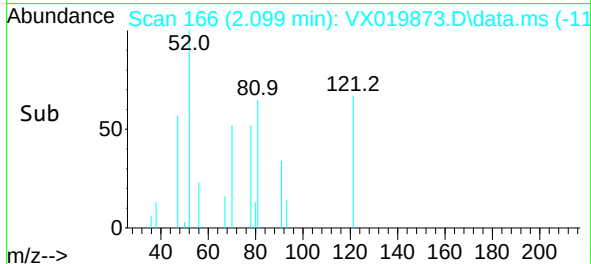
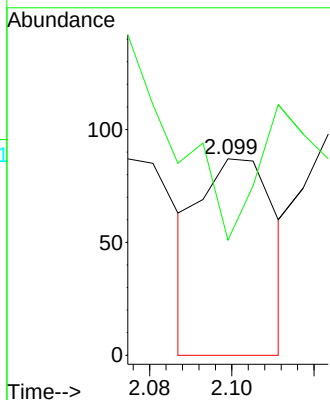
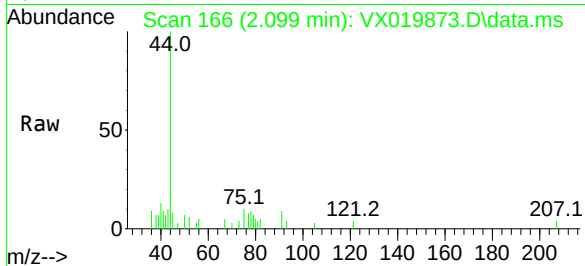




#13
Acrolein
Concen: 0.23 ug/l
RT: 2.099 min Scan# 166
Delta R.T. -0.171 min
Lab File: VX019873.D
Acq: 11 Dec 2020 13:07

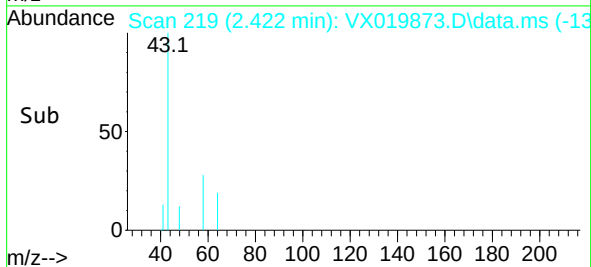
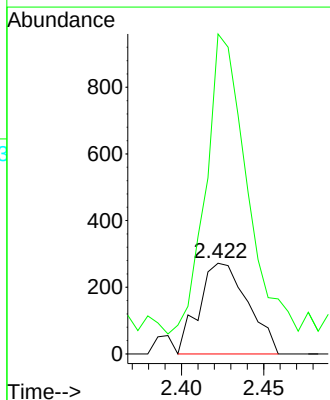
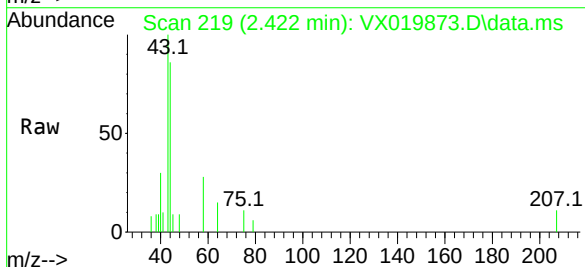
Instrument :
MSVOA_X
ClientSampled :

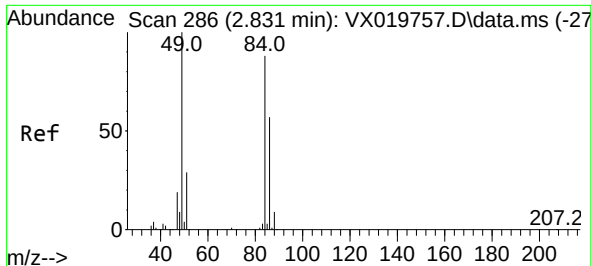
Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 73.6 56.3 84.5



#15
Acetone
Concen: 1.17 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX019873.D
Acq: 11 Dec 2020 13:07

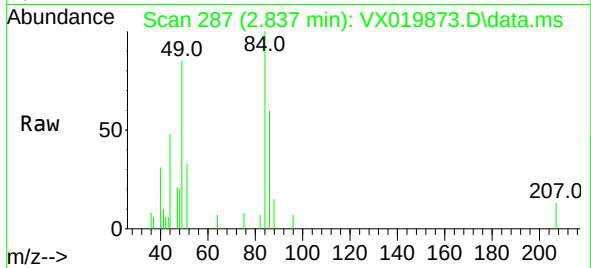
Tgt Ion: 58 Resp: 560
Ion Ratio Lower Upper
58 100
43 321.3 232.6 348.8



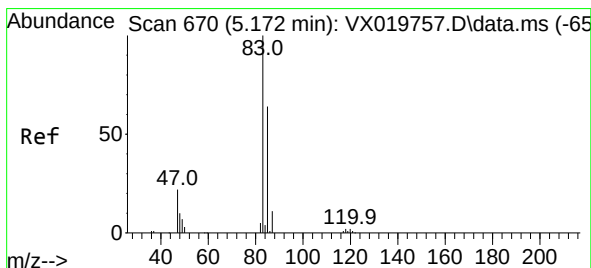
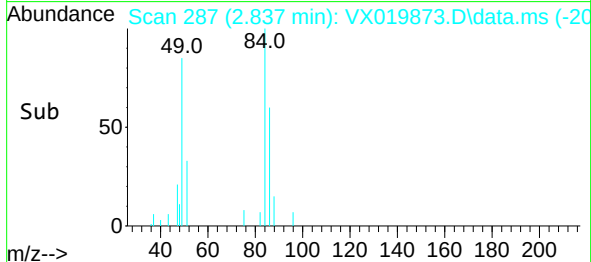
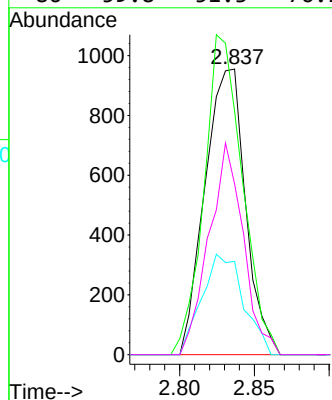


#18
Methylene Chloride
Concen: 0.57 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX019873.D
Acq: 11 Dec 2020 13:07

Instrument :
MSVOA_X
ClientSampled :

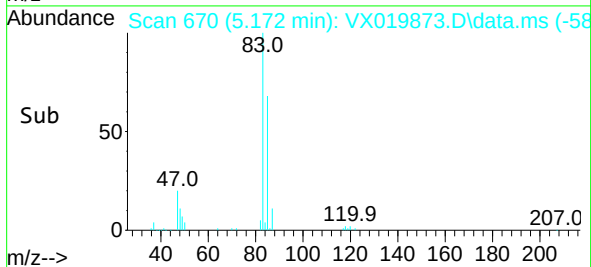
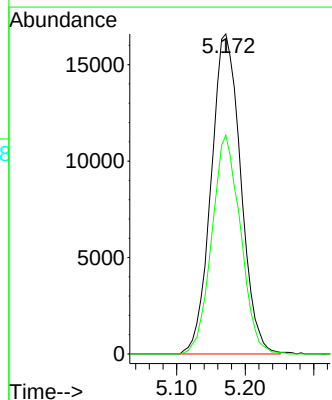
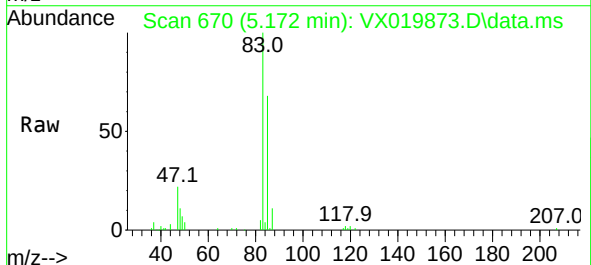


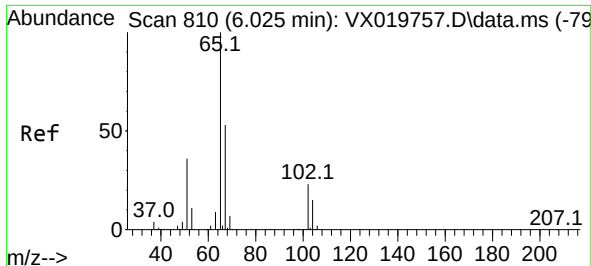
Tgt Ion: 84 Resp: 1799
Ion Ratio Lower Upper
84 100
49 85.2 90.6 136.0#
51 32.7 26.3 39.5
86 59.8 51.3 76.9



#25
Chloroform
Concen: 9.30 ug/l
RT: 5.172 min Scan# 670
Delta R.T. -0.000 min
Lab File: VX019873.D
Acq: 11 Dec 2020 13:07

Tgt Ion: 83 Resp: 49805
Ion Ratio Lower Upper
83 100
85 68.4 51.2 76.8





#27

1,2-Dichloroethane-d4

Concen: 31.93 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX019873.D

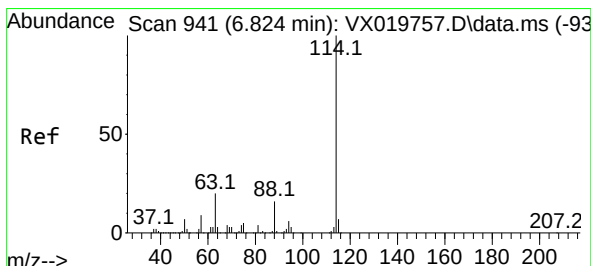
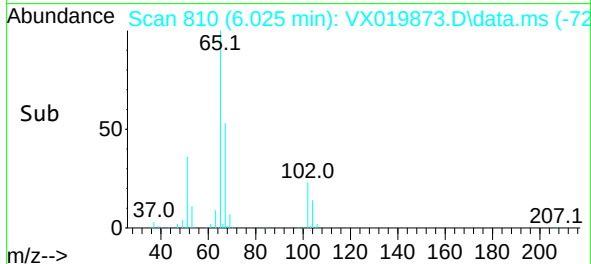
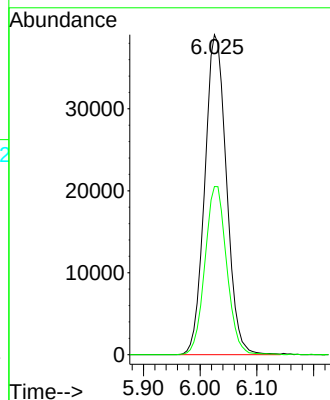
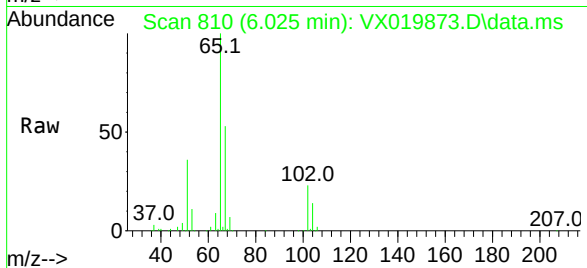
Acq: 11 Dec 2020 13:07

Tgt Ion: 65 Resp: 104054

Ion Ratio Lower Upper

65 100

67 52.7 41.9 62.9



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.824 min Scan# 941

Delta R.T. -0.000 min

Lab File: VX019873.D

Acq: 11 Dec 2020 13:07

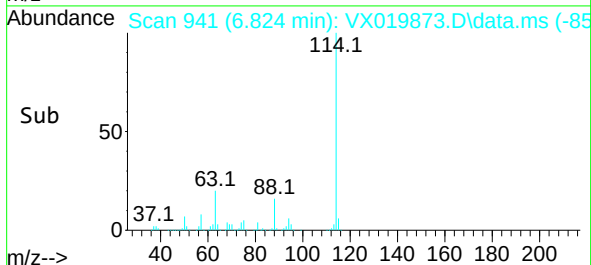
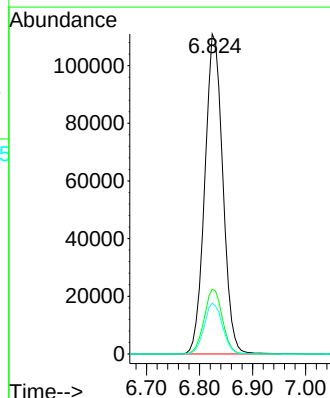
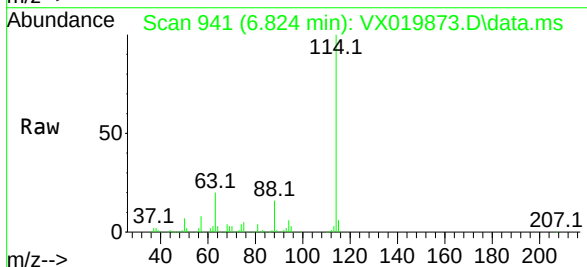
Tgt Ion: 114 Resp: 261780

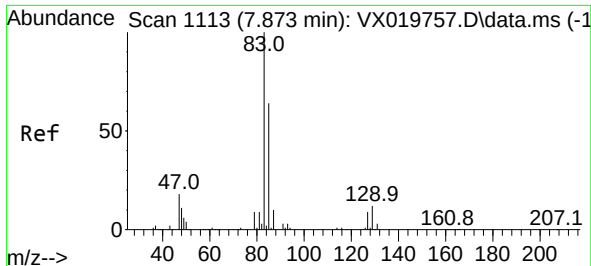
Ion Ratio Lower Upper

114 100

63 20.5 16.2 24.2

88 16.2 13.0 19.6

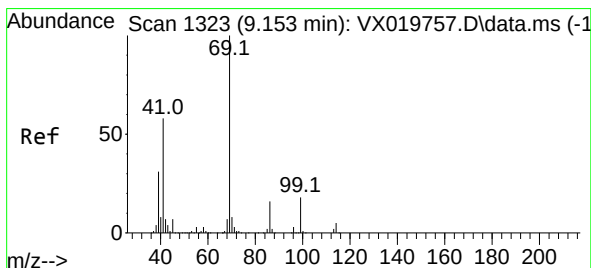
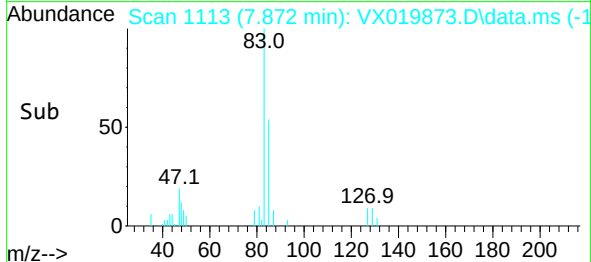
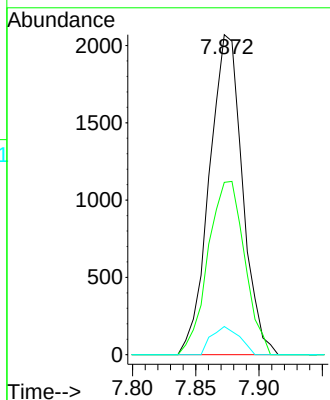
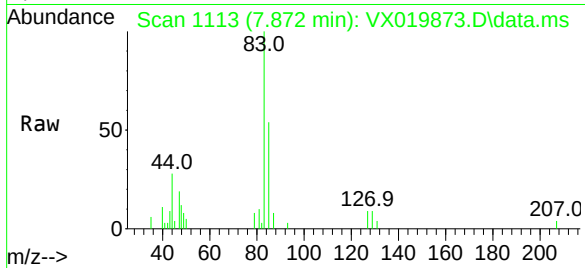




#41
Bromodichloromethane
Concen: 0.89 ug/l
RT: 7.872 min Scan# 1113
Delta R.T. -0.000 min
Lab File: VX019873.D
Acq: 11 Dec 2020 13:07

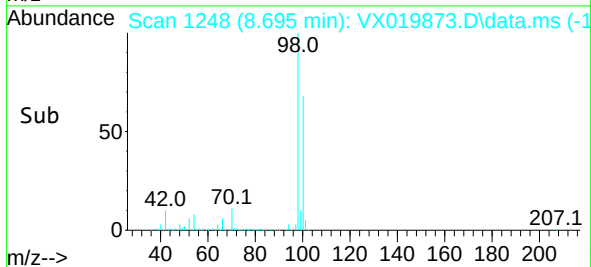
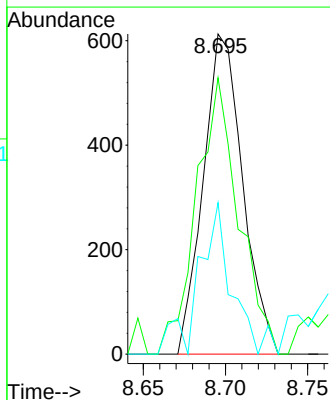
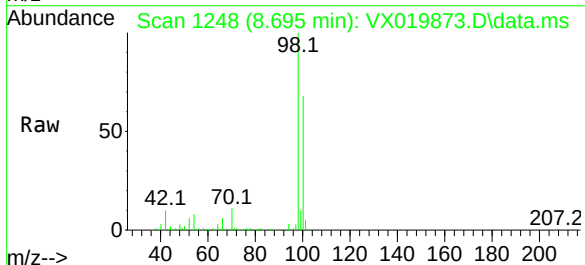
Instrument :
MSVOA_X
ClientSampleId :

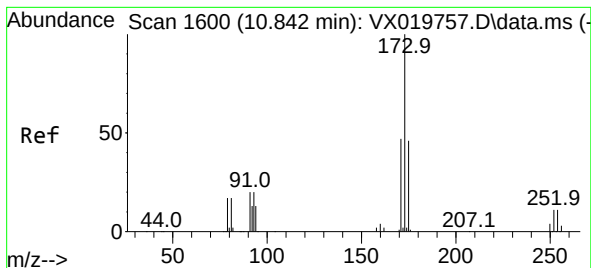
Tgt Ion:	83	Resp:	3768
Ion	Ratio	Lower	Upper
83	100		
85	53.9	51.4	77.0
127	8.8	7.1	10.7



#51
Ethyl methacrylate
Concen: 0.21 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. -0.457 min
Lab File: VX019873.D
Acq: 11 Dec 2020 13:07

Tgt Ion:	69	Resp:	1024
Ion	Ratio	Lower	Upper
69	100		
41	86.3	29.1	87.4
39	47.3	15.4	46.1#

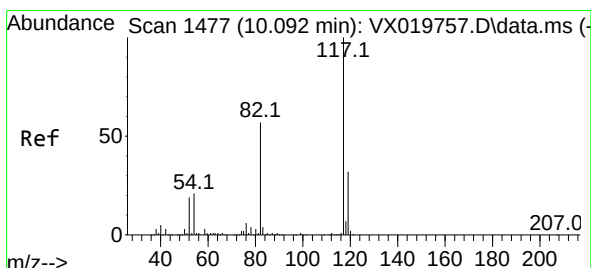
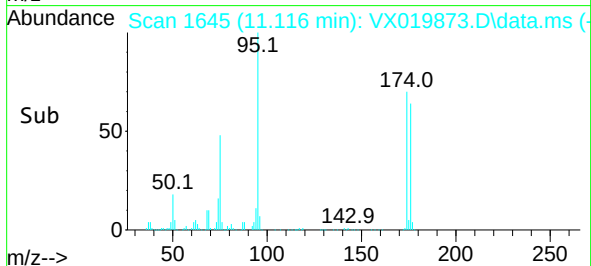
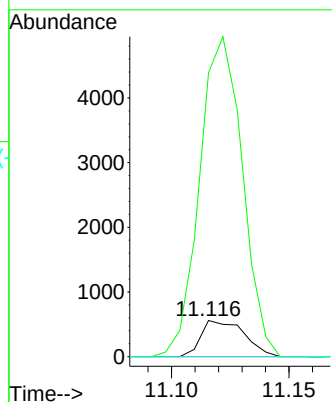
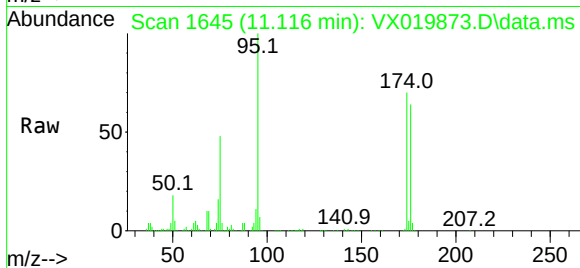




#56
Bromoform
Concen: 0.29 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.274 min
Lab File: VX019873.D
Acq: 11 Dec 2020 13:07

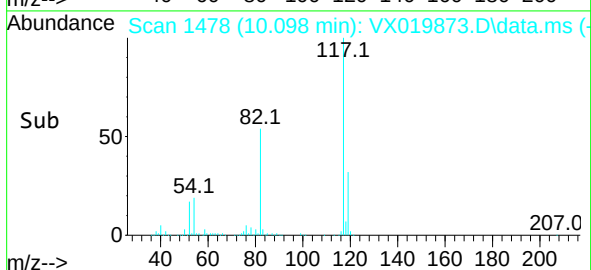
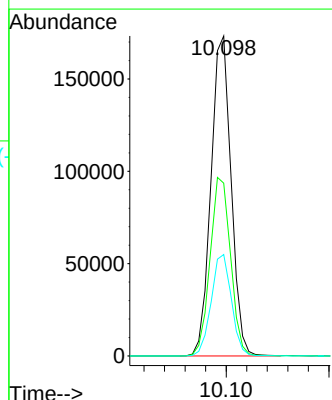
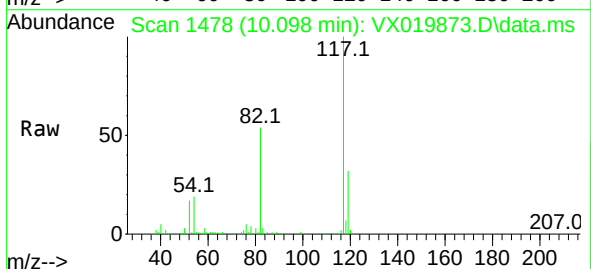
Instrument :
MSVOA_X
ClientSampleId :

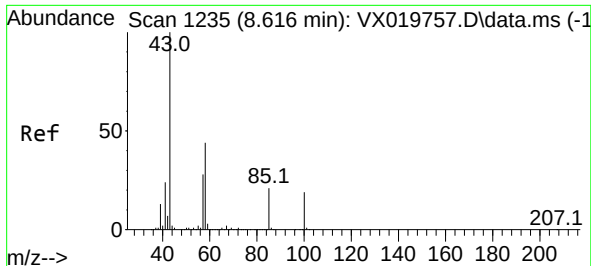
Tgt Ion:173 Resp: 719
Ion Ratio Lower Upper
173 100
175 874.0 38.1 57.1#
254 0.0 8.2 12.4#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX019873.D
Acq: 11 Dec 2020 13:07

Tgt Ion:117 Resp: 235748
Ion Ratio Lower Upper
117 100
82 56.8 45.0 67.6
119 31.9 25.6 38.4

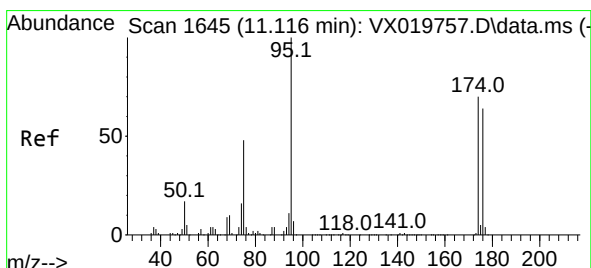
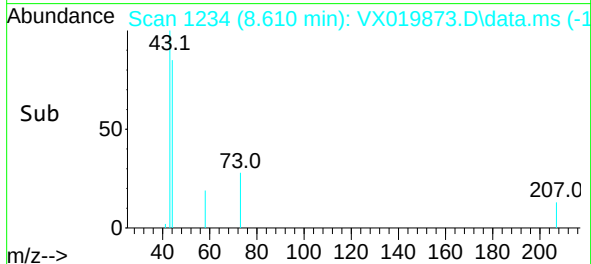
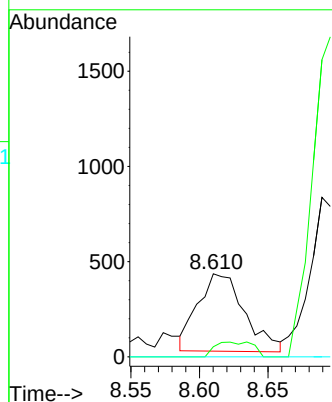
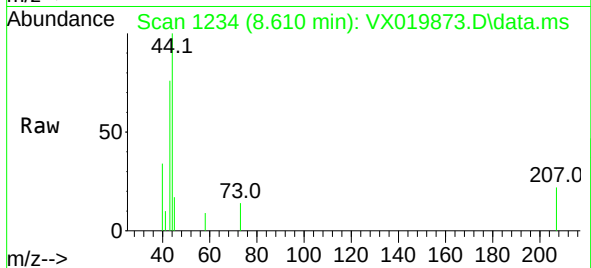




#58
4-Methyl-2-Pentanone
Concen: 0.24 ug/l
RT: 8.610 min Scan# 1234
Delta R.T. -0.006 min
Lab File: VX019873.D
Acq: 11 Dec 2020 13:07

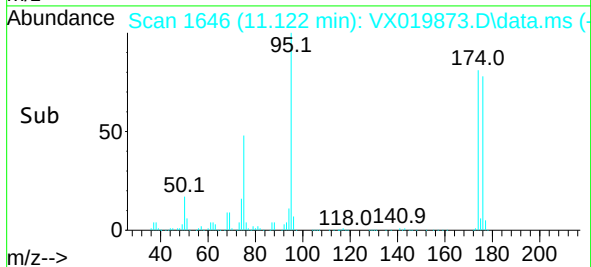
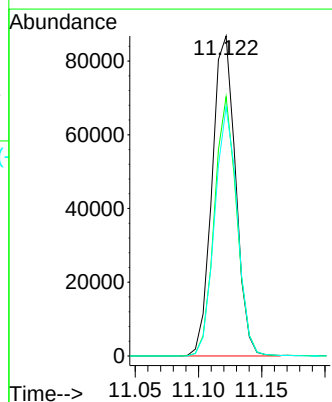
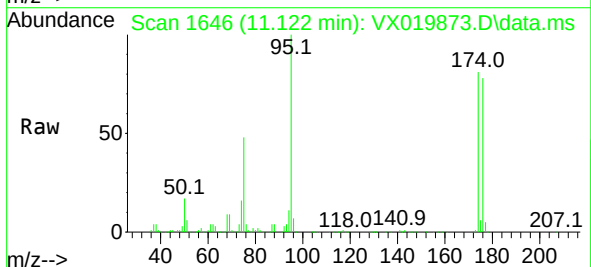
Instrument :
MSVOA_X
ClientSampleId :

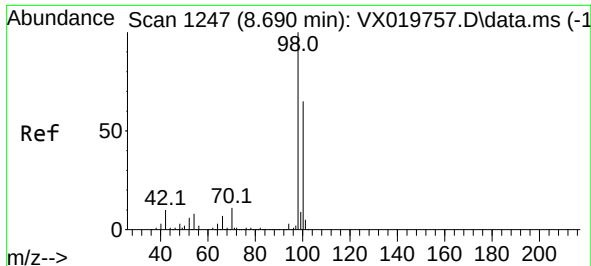
Tgt Ion:	43	Resp:	962
Ion	Ratio	Lower	Upper
43	100		
58	10.3	35.2	52.8#
85	0.0	16.8	25.2#



#60
4-Bromofluorobenzene
Concen: 28.27 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.006 min
Lab File: VX019873.D
Acq: 11 Dec 2020 13:07

Tgt Ion:	95	Resp:	111926
Ion	Ratio	Lower	Upper
95	100		
174	76.7	63.0	94.4
176	75.0	59.9	89.9

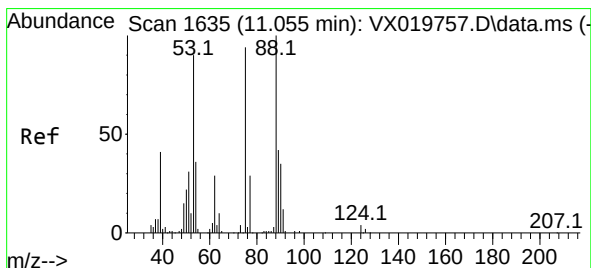
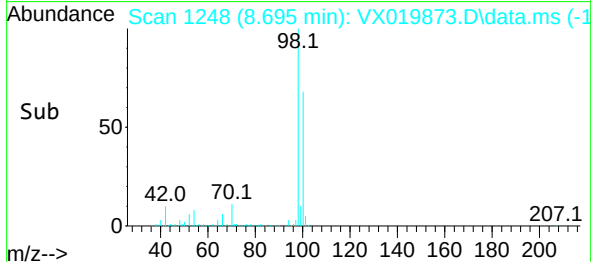
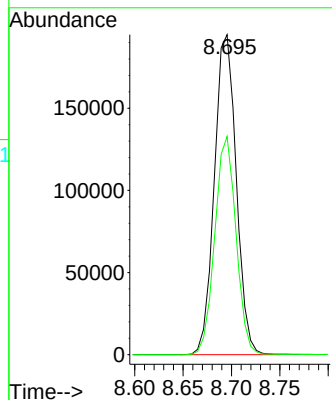
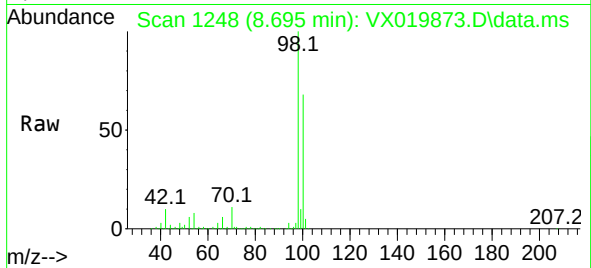




#63
Toluene-d8
Concen: 29.69 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX019873.D
Acq: 11 Dec 2020 13:07

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 306563
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4



#77
t-1,4-Dichloro-2-butene
Concen: 32.18 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX019873.D
Acq: 11 Dec 2020 13:07

Tgt Ion: 75 Resp: 53597
Ion Ratio Lower Upper
75 100
53 0.0 48.4 145.0#
89 0.0 22.7 68.0#

