

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121620\
 Data File : VX020059.D
 Acq On : 16 Dec 2020 12:20
 Operator : JC/MD
 Sample : VX1216WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 17 00:30:58 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)

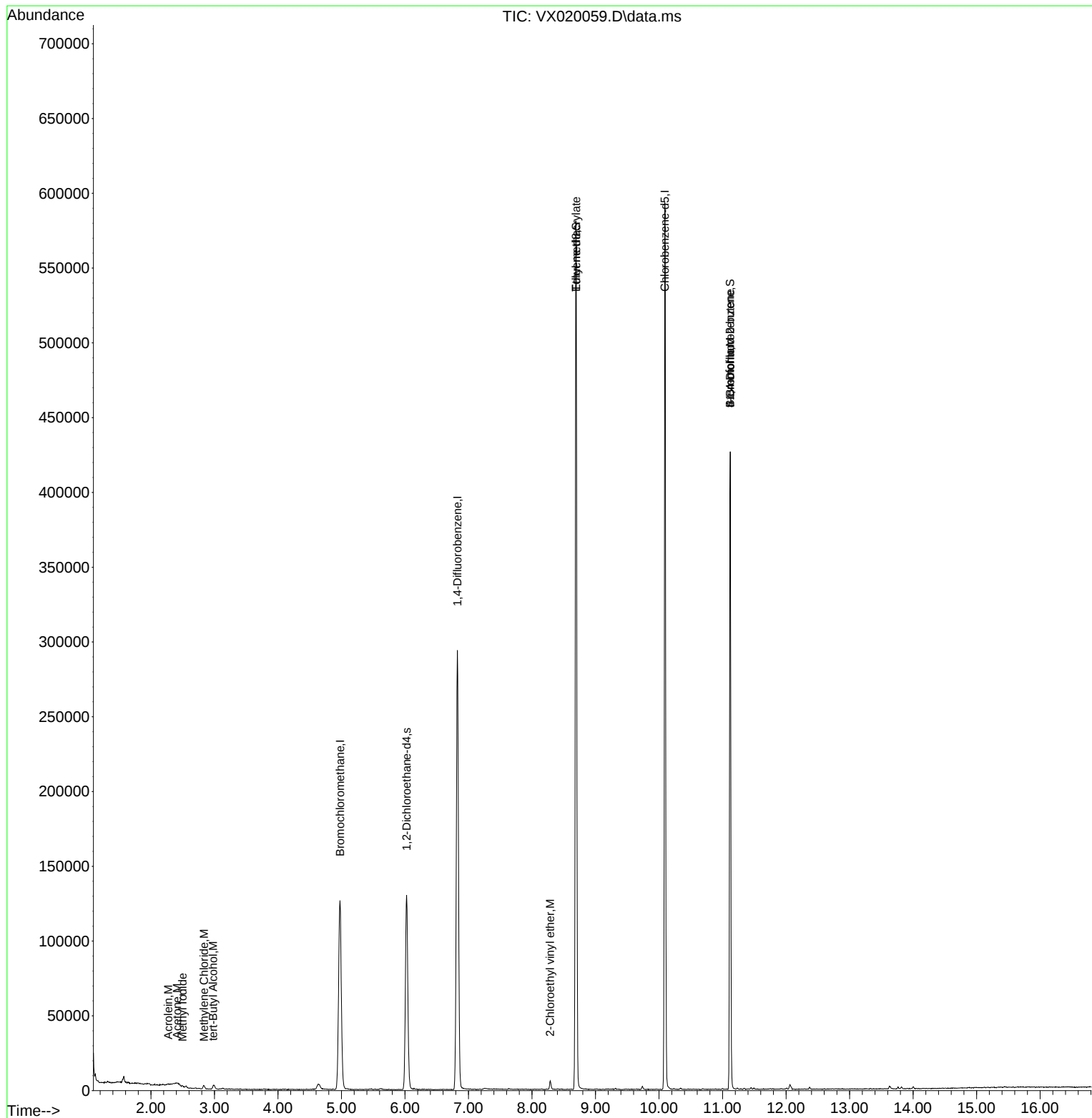
Internal Standards						
1) Bromochloromethane	4.977	128	55905	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.824	114	299074	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.092	117	271224	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.025	65	124310	32.08	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.93%
60) 4-Bromofluorobenzene	11.122	95	119951	26.34	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.80%
63) Toluene-d8	8.696	98	358922	30.21	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.70%
Target Compounds						
					Qvalue	
11) Methyl Iodide	2.495	142	1295	0.33	ug/l	96
13) Acrolein	2.270	56	298	0.54	ug/l	88
15) Acetone	2.410	58	124	0.22	ug/l #	1
18) Methylene Chloride	2.837	84	1003	0.27	ug/l	92
23) tert-Butyl Alcohol	2.977	59	931	1.04	ug/l #	98
51) Ethyl methacrylate	8.696	69	1274	0.23	ug/l	89
55) 2-Chloroethyl vinyl ether	8.287	63	2325	0.80	ug/l	95
56) Bromoform	11.122	173	780	0.27	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.122	75	58146	30.35	ug/l #	11

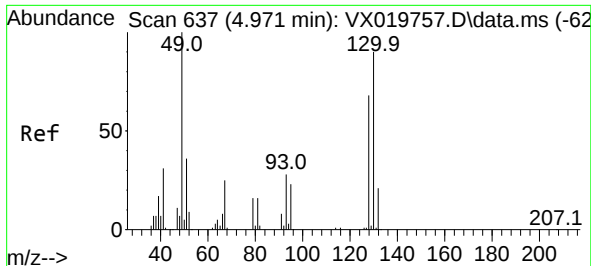
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 17 00:30:58 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

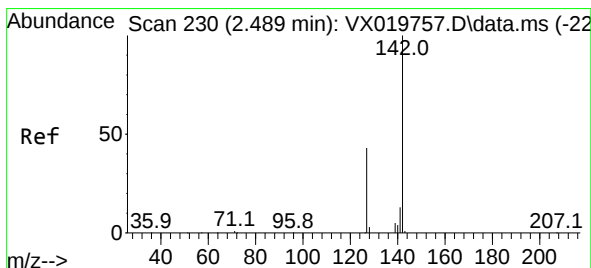
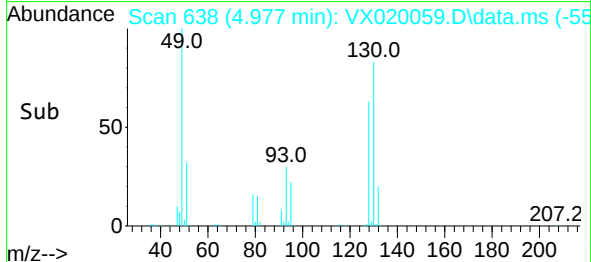
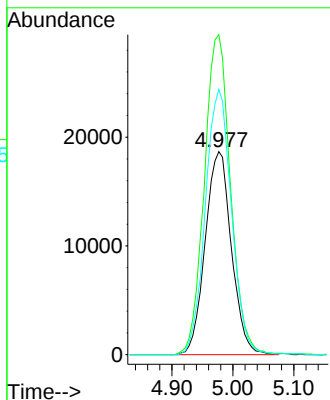
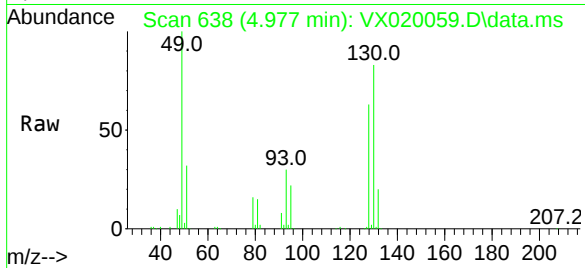




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.977 min Scan# 638
Delta R.T. 0.006 min
Lab File: VX020059.D
Acq: 16 Dec 2020 12:20

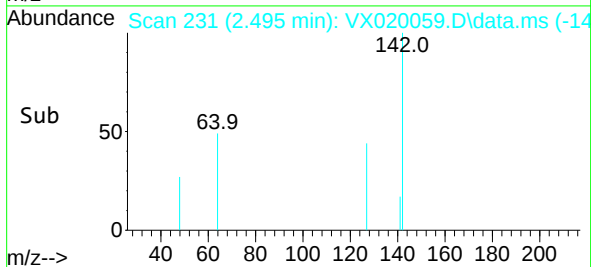
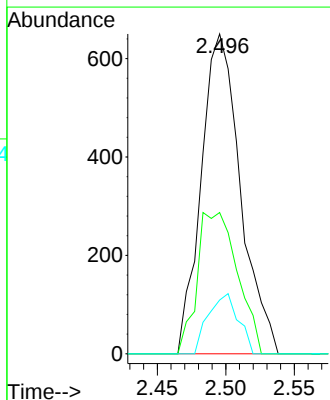
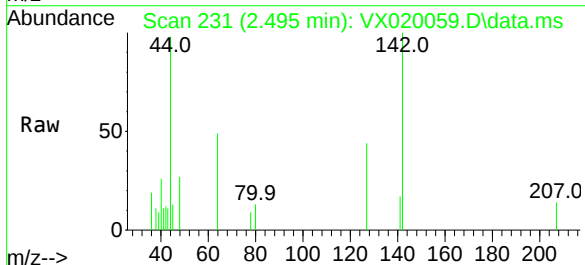
Instrument :
MSVOA_X
ClientSampleId :

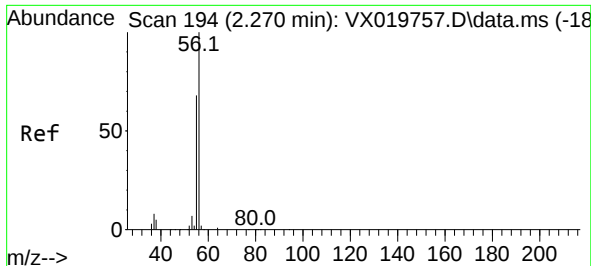
Tgt Ion	Ratio	Lower	Upper
128	100		
49	156.8	0.0	367.5
130	130.7	0.0	318.8



#11
Methyl Iodide
Concen: 0.33 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020059.D
Acq: 16 Dec 2020 12:20

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.2	21.4	64.2
141	16.8	6.5	19.4

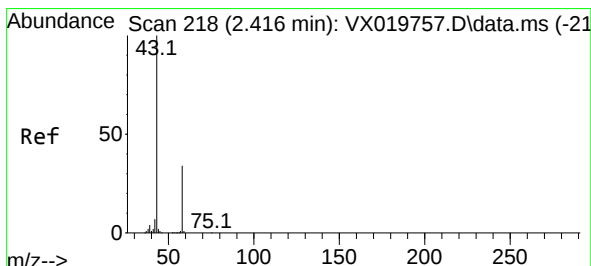
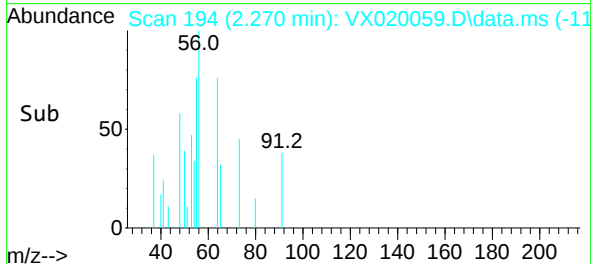
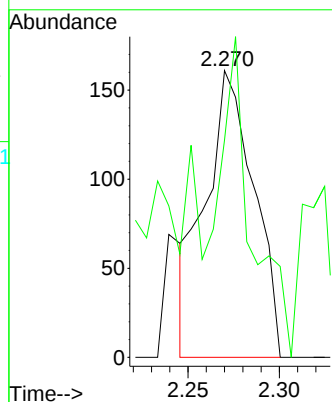
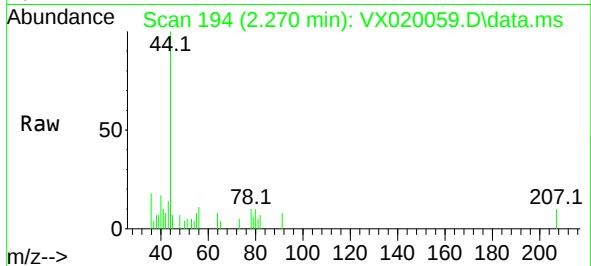




#13
Acrolein
Concen: 0.54 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.000 min
Lab File: VX020059.D
Acq: 16 Dec 2020 12:20

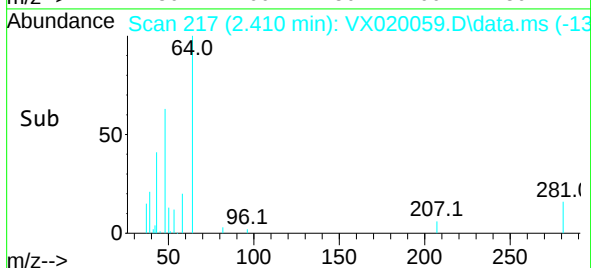
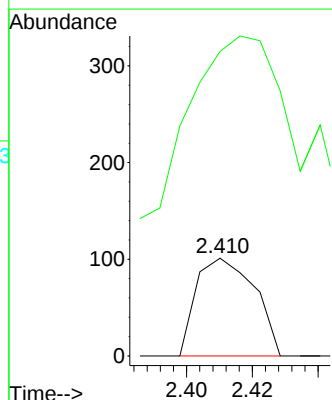
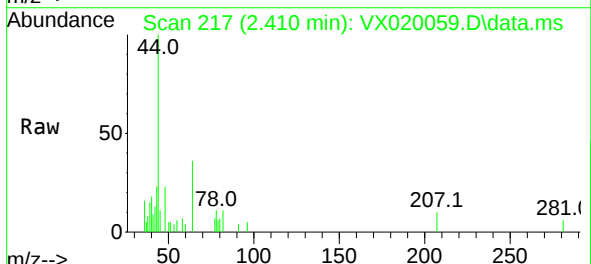
Instrument :
MSVOA_X
ClientSampleId :

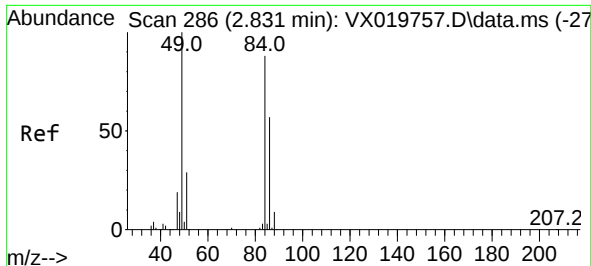
Tgt Ion: 56 Resp: 298
Ion Ratio Lower Upper
56 100
55 60.4 56.3 84.5



#15
Acetone
Concen: 0.22 ug/l
RT: 2.410 min Scan# 217
Delta R.T. -0.006 min
Lab File: VX020059.D
Acq: 16 Dec 2020 12:20

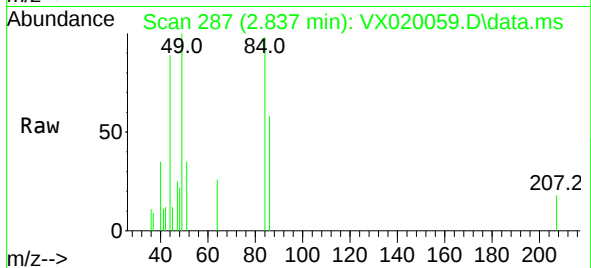
Tgt Ion: 58 Resp: 124
Ion Ratio Lower Upper
58 100
43 76.2 232.6 348.8#



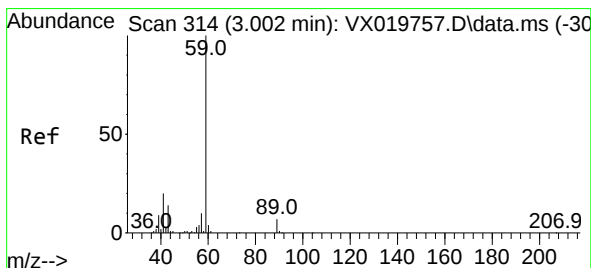
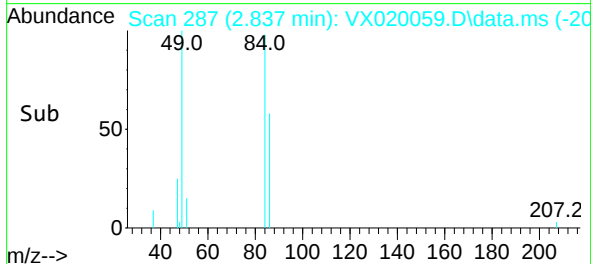
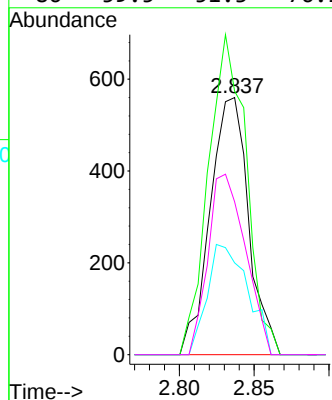


#18
Methylene Chloride
Concen: 0.27 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020059.D
Acq: 16 Dec 2020 12:20

Instrument :
MSVOA_X
ClientSampleId :

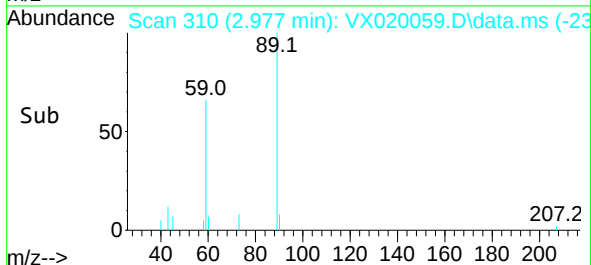
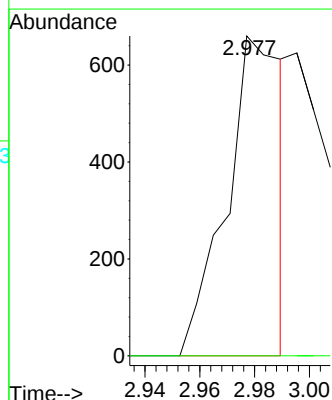
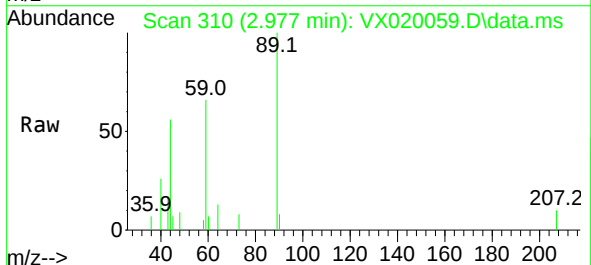


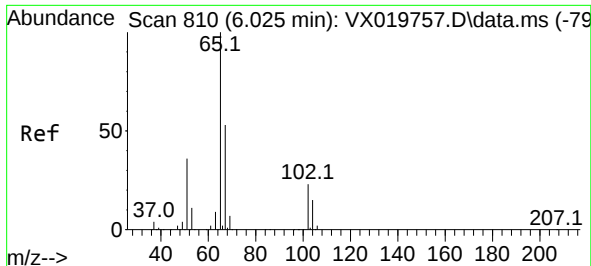
Tgt Ion: 84 Resp: 1003
Ion Ratio Lower Upper
84 100
49 102.5 90.6 136.0
51 35.7 26.3 39.5
86 59.5 51.3 76.9



#23
tert-Butyl Alcohol
Concen: 1.04 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.024 min
Lab File: VX020059.D
Acq: 16 Dec 2020 12:20

Tgt Ion: 59 Resp: 931
Ion Ratio Lower Upper
59 100
52 4.0 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 32.08 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX020059.D

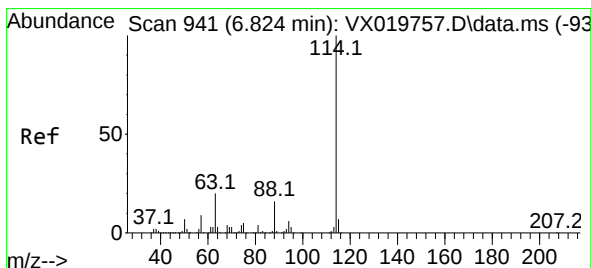
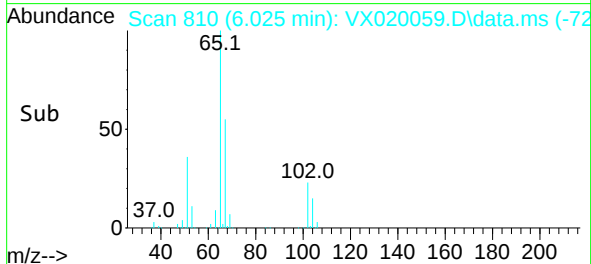
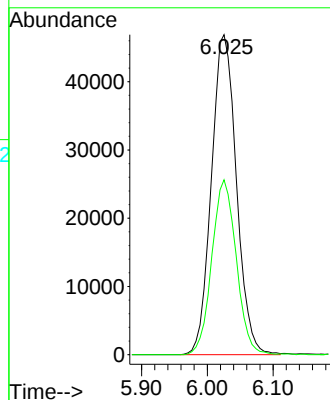
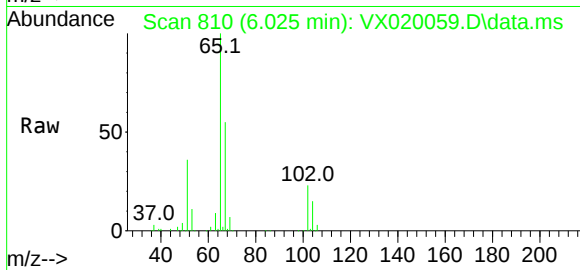
Acq: 16 Dec 2020 12:20

Tgt Ion: 65 Resp: 124310

Ion Ratio Lower Upper

65 100

67 53.2 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: VX020059.D

Acq: 16 Dec 2020 12:20

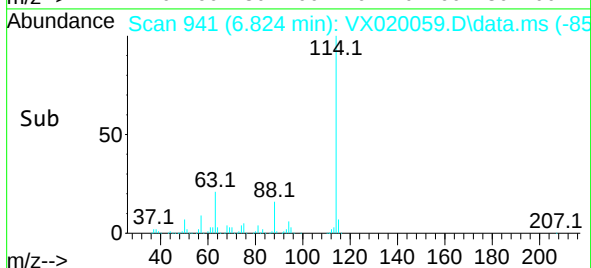
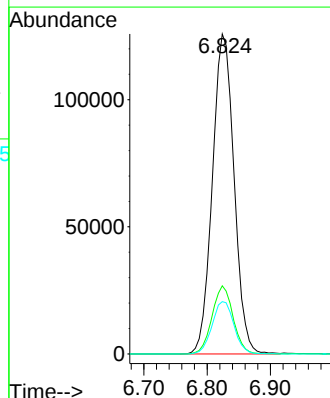
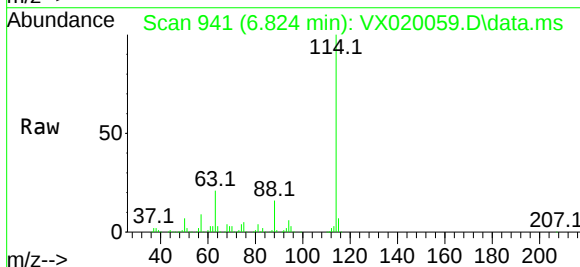
Tgt Ion: 114 Resp: 299074

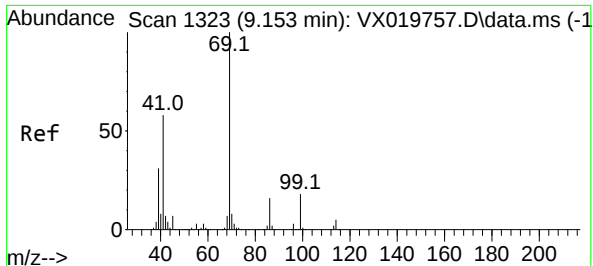
Ion Ratio Lower Upper

114 100

63 20.7 16.2 24.2

88 16.6 13.0 19.6

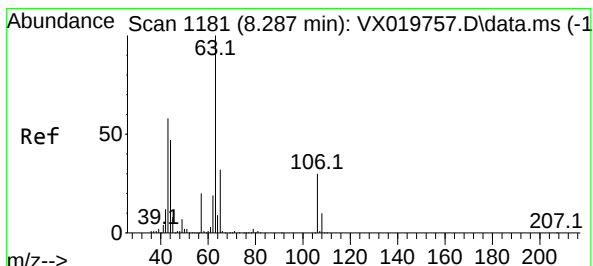
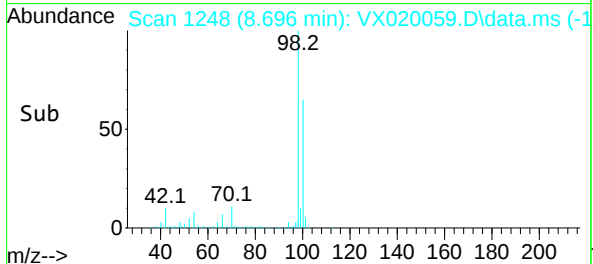
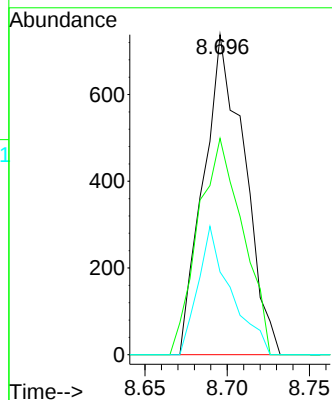
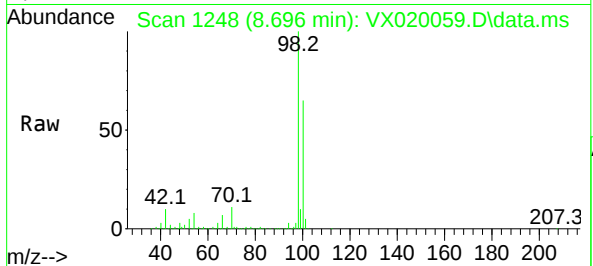




#51
Ethyl methacrylate
Concen: 0.23 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. -0.457 min
Lab File: VX020059.D
Acq: 16 Dec 2020 12:20

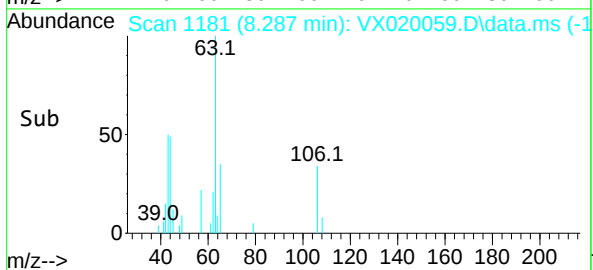
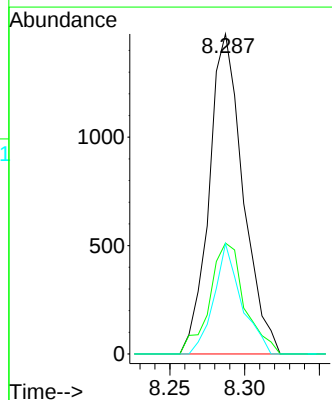
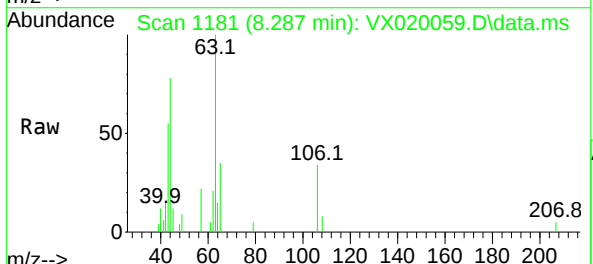
Instrument :
MSVOA_X
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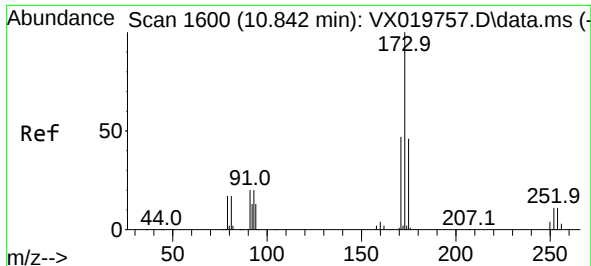
Tgt Ion:	69	Resp:	1274
Ion	Ratio	Lower	Upper
69	100		
41	67.6	29.1	87.4
39	25.9	15.4	46.1



#55
2-Chloroethyl vinyl ether
Concen: 0.80 ug/l
RT: 8.287 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VX020059.D
Acq: 16 Dec 2020 12:20

Tgt Ion:	63	Resp:	2325
Ion	Ratio	Lower	Upper
63	100		
65	35.8	25.9	38.9
106	27.9	23.9	35.9

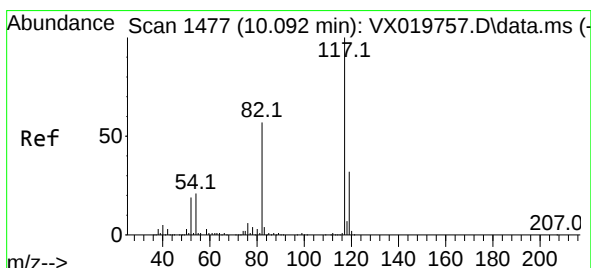
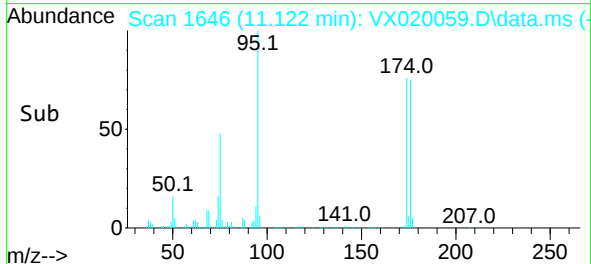
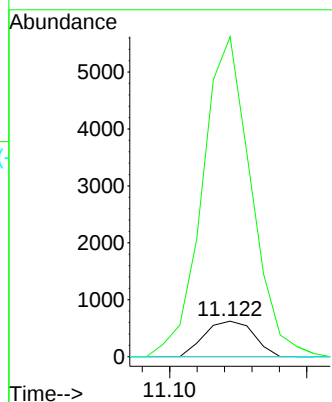
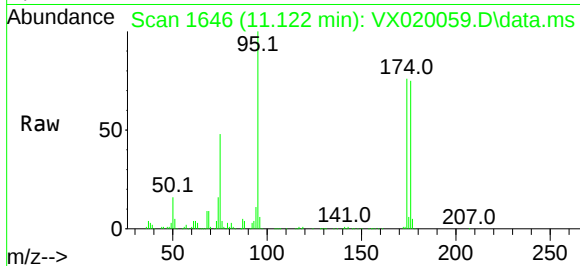




#56
Bromoform
Concen: 0.27 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.280 min
Lab File: VX020059.D
Acq: 16 Dec 2020 12:20

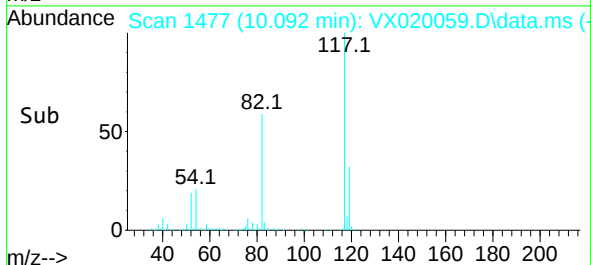
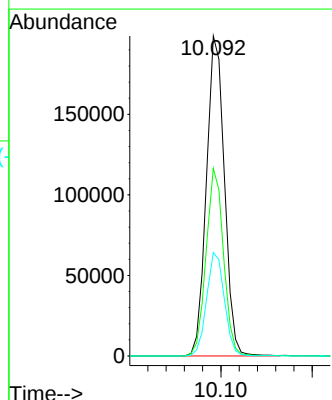
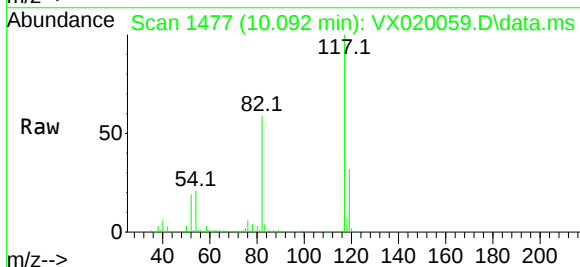
Instrument :
MSVOA_X
ClientSampleId :

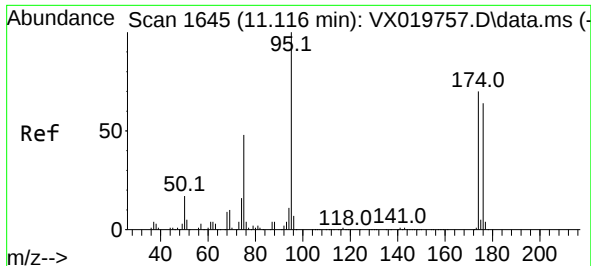
Tgt Ion:173 Resp: 780
Ion Ratio Lower Upper
173 100
175 890.3 38.1 57.1#
254 0.0 8.2 12.4#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020059.D
Acq: 16 Dec 2020 12:20

Tgt Ion:117 Resp: 271224
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.6
119 31.9 25.6 38.4

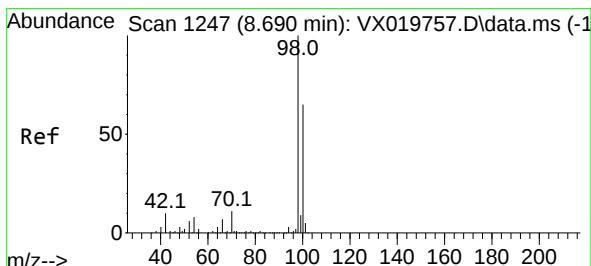
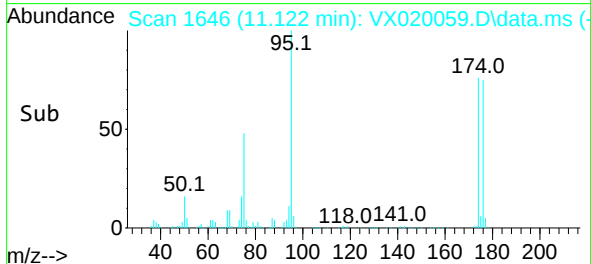
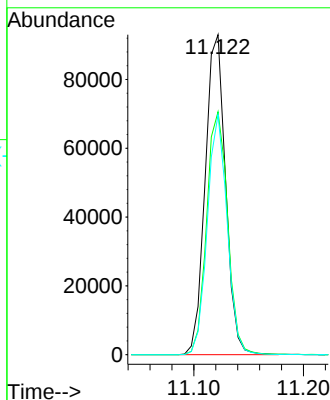
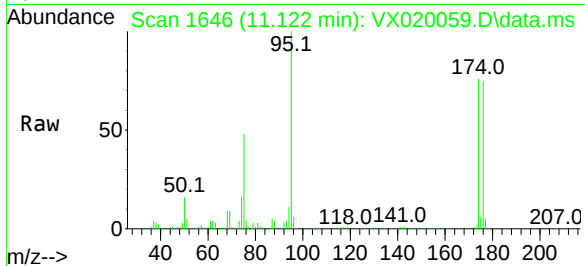




#60
4-Bromofluorobenzene
Concen: 26.34 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.006 min
Lab File: VX020059.D
Acq: 16 Dec 2020 12:20

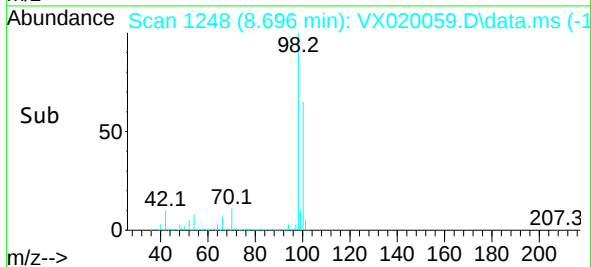
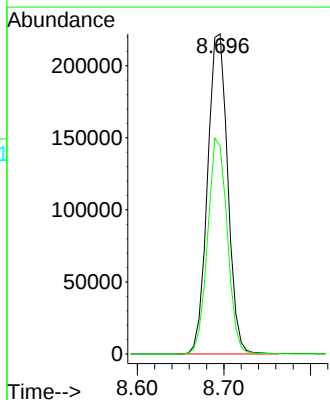
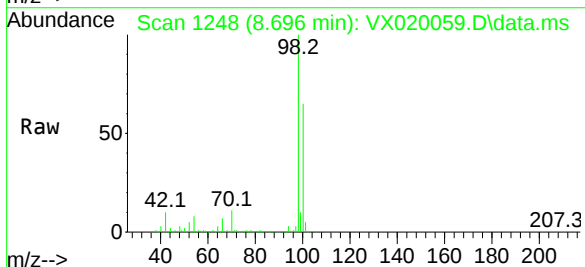
Instrument :
MSVOA_X
ClientSampleId :

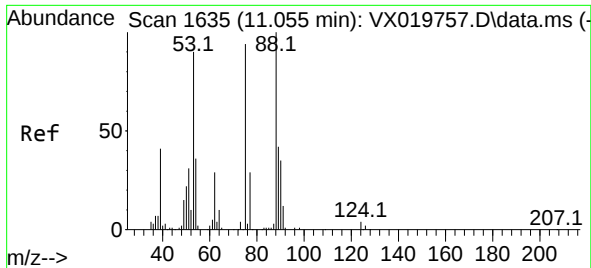
Tgt Ion: 95 Resp: 119951
Ion Ratio Lower Upper
95 100
174 78.5 63.0 94.4
176 72.9 59.9 89.9



#63
Toluene-d8
Concen: 30.21 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020059.D
Acq: 16 Dec 2020 12:20

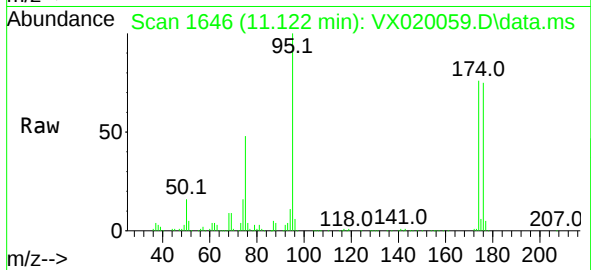
Tgt Ion: 98 Resp: 358922
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 30.35 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX020059.D
 Acq: 16 Dec 2020 12:20

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 58146
 Ion Ratio Lower Upper
 75 100
 53 0.0 48.4 145.0#
 89 0.0 22.7 68.0#

