

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022521\
 Data File : VX020913.D
 Acq On : 25 Feb 2021 15:14
 Operator : JC/MD
 Sample : M1481-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20210223

Quant Time: Feb 25 15:40:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 25 13:26:35 2021
 Response via : Initial Calibration

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

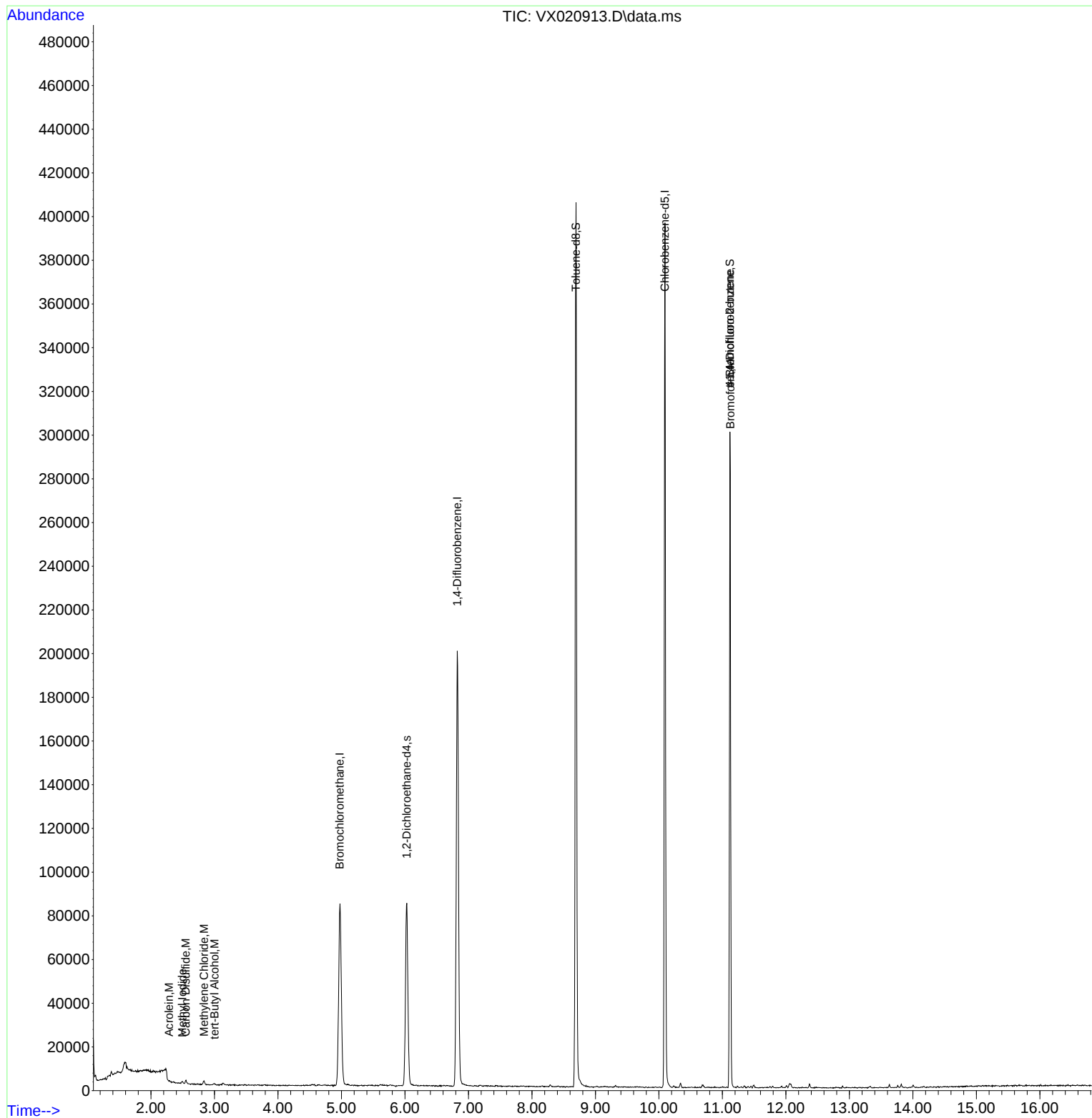
Internal Standards						
1) Bromochloromethane	4.970	128	38220	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.823	114	211340	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	186257	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.029	65	80574	29.94	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.80%
60) 4-Bromofluorobenzene	11.118	95	86803	28.18	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.93%
63) Toluene-d8	8.694	98	249962	29.47	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.23%
Target Compounds						
						Qvalue
11) Methyl Iodide	2.493	142	1059	0.38	ug/l	85
13) Acrolein	2.281	56	115	0.32	ug/l	86
16) Carbon Disulfide	2.546	76	1853	0.29	ug/l #	94
18) Methylene Chloride	2.834	84	712	0.28	ug/l #	90
23) tert-Butyl Alcohol	2.999	59	307	0.54	ug/l #	100
56) Bromoform	11.124	173	498	0.27	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.118	75	41540	31.03	ug/l #	11

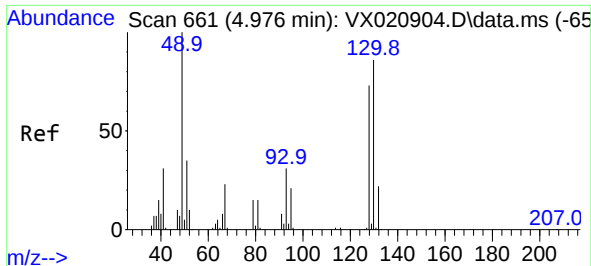
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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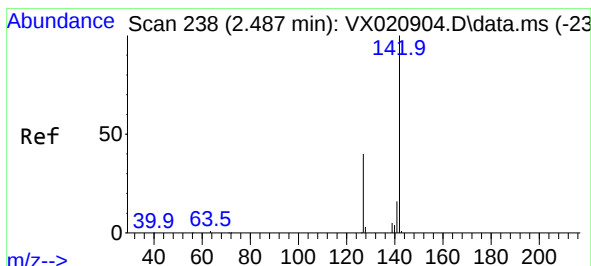
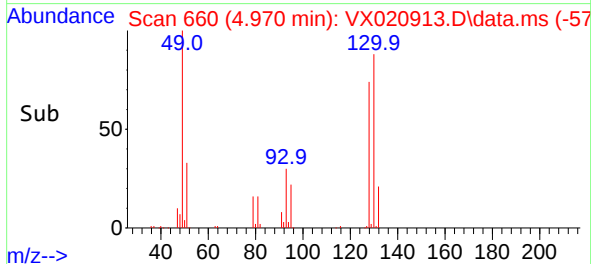
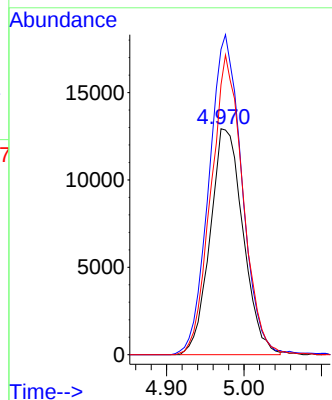
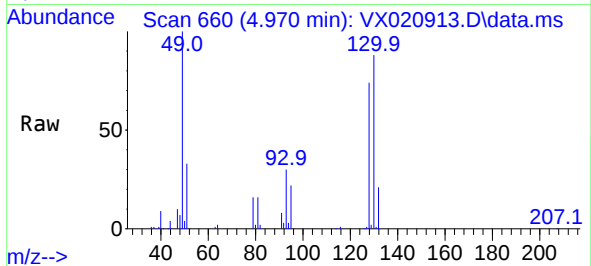




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.970 min Scan# 660
Delta R.T. -0.006 min
Lab File: VX020913.D
Acq: 25 Feb 2021 15:14

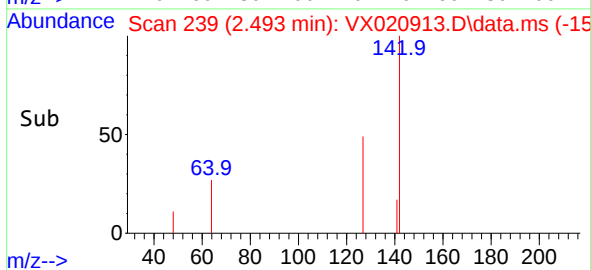
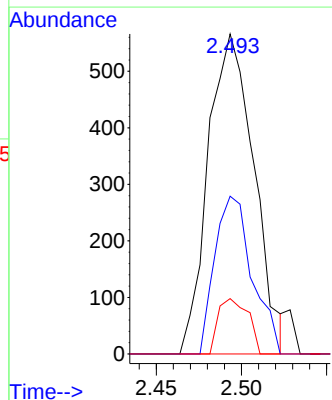
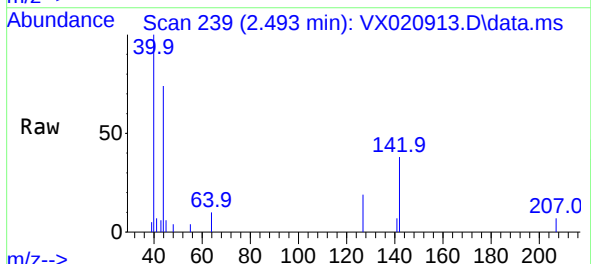
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20210223

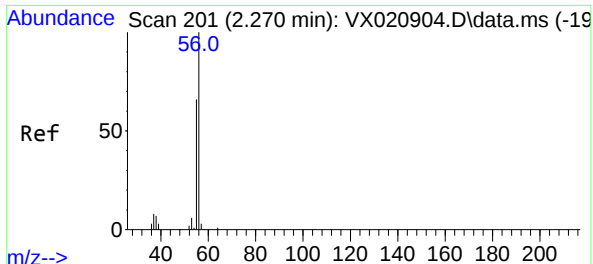
Tgt Ion:128 Resp: 38220
Ion Ratio Lower Upper
128 100
49 141.2 0.0 367.5
130 128.4 0.0 318.8



#11
Methyl Iodide
Concen: 0.38 ug/l
RT: 2.493 min Scan# 239
Delta R.T. 0.006 min
Lab File: VX020913.D
Acq: 25 Feb 2021 15:14

Tgt Ion:142 Resp: 1059
Ion Ratio Lower Upper
142 100
127 52.6 21.4 64.2
141 18.5 6.5 19.4

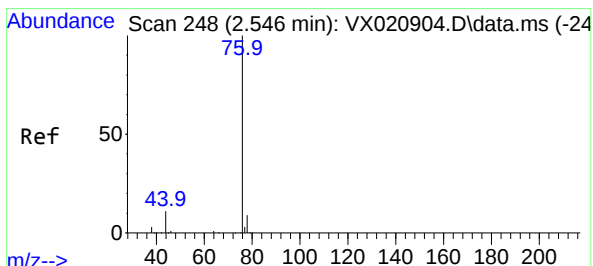
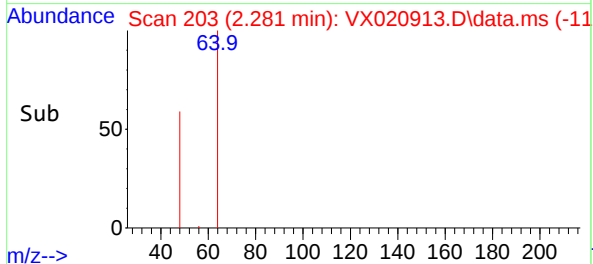
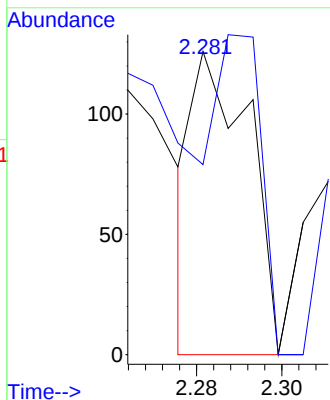
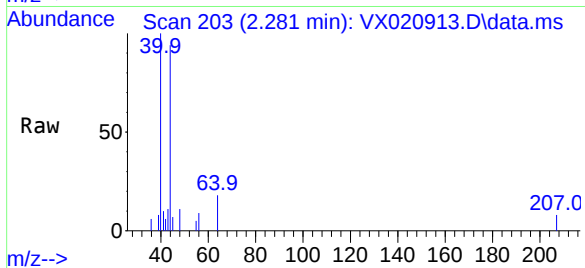




#13
Acrolein
Concen: 0.32 ug/l
RT: 2.281 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX020913.D
Acq: 25 Feb 2021 15:14

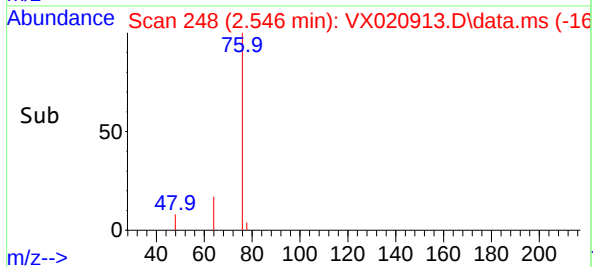
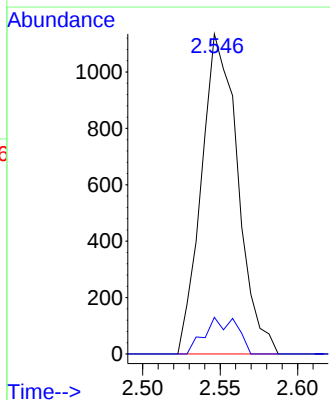
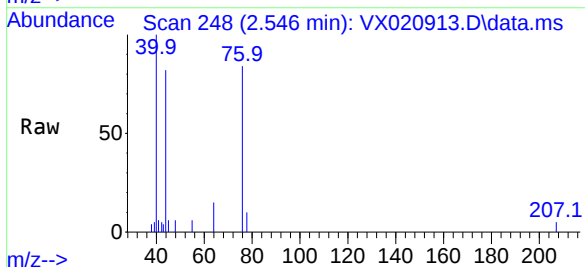
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20210223

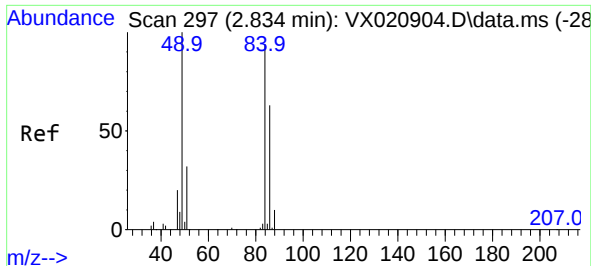
Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 81.7 56.3 84.5



#16
Carbon Disulfide
Concen: 0.29 ug/l
RT: 2.546 min Scan# 248
Delta R.T. 0.000 min
Lab File: VX020913.D
Acq: 25 Feb 2021 15:14

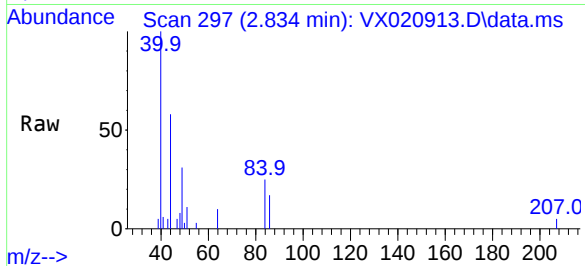
Tgt Ion: 76 Resp: 1853
Ion Ratio Lower Upper
76 100
78 11.5 7.4 11.0#





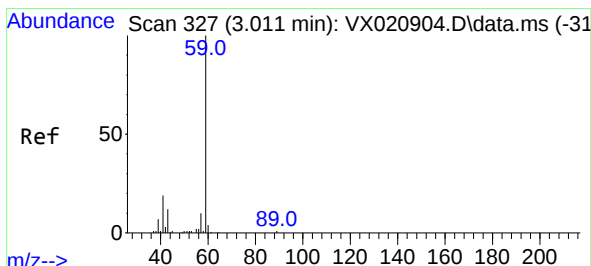
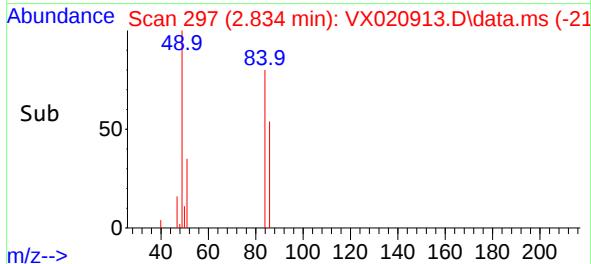
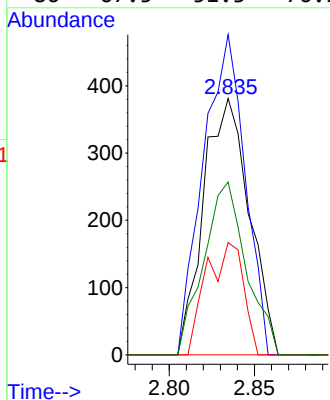
#18
Methylene Chloride
Concen: 0.28 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX020913.D
Acq: 25 Feb 2021 15:14

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20210223



Tgt Ion: 84 Resp: 712

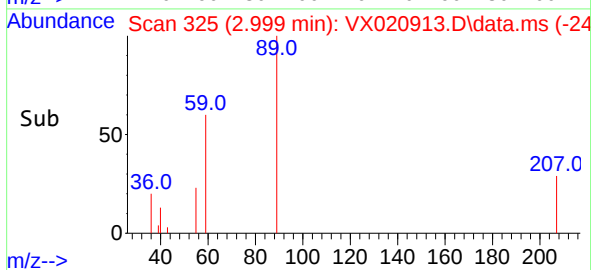
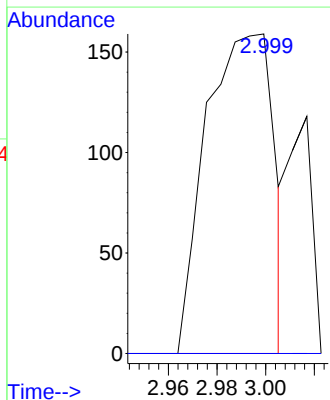
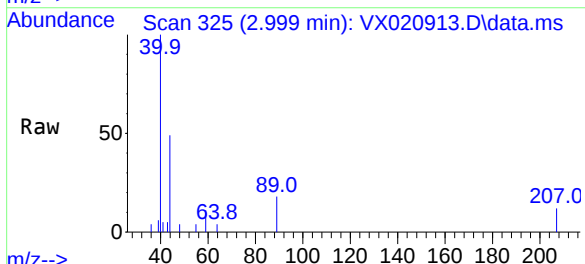
Ion	Ratio	Lower	Upper
84	100		
49	124.9	90.6	136.0
51	43.8	26.3	39.5#
86	67.5	51.3	76.9

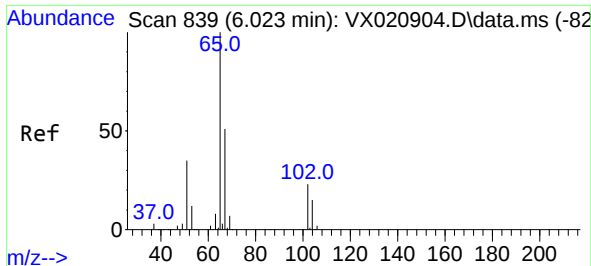


#23
tert-Butyl Alcohol
Concen: 0.54 ug/l
RT: 2.999 min Scan# 325
Delta R.T. -0.012 min
Lab File: VX020913.D
Acq: 25 Feb 2021 15:14

Tgt Ion: 59 Resp: 307

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

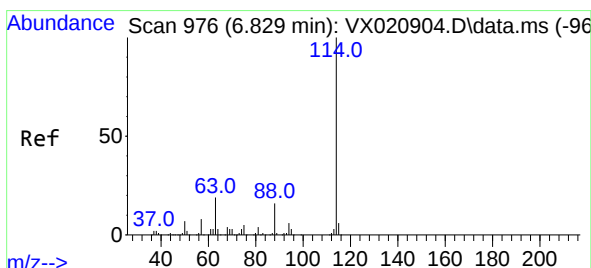
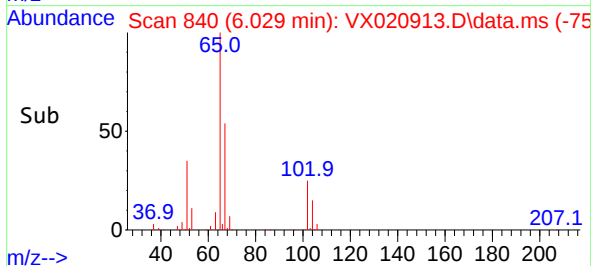
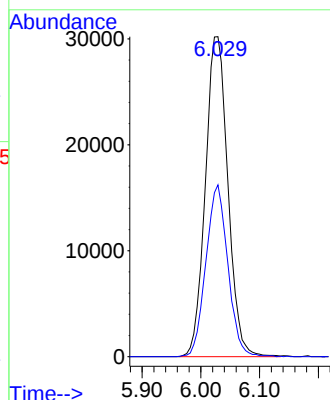
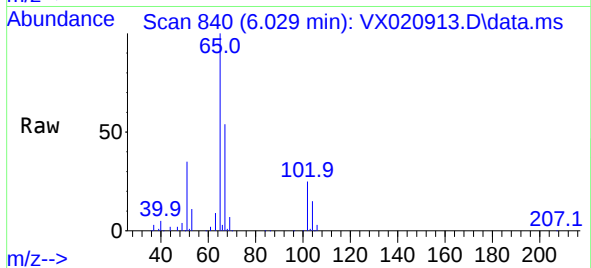




#27
1,2-Dichloroethane-d4
Concen: 29.94 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.006 min
Lab File: VX020913.D
Acq: 25 Feb 2021 15:14

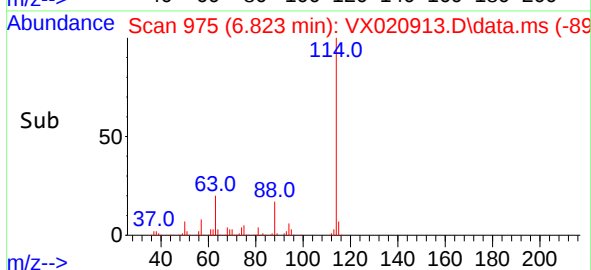
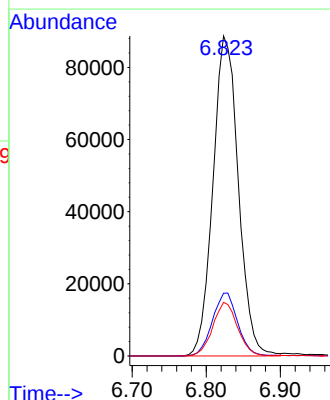
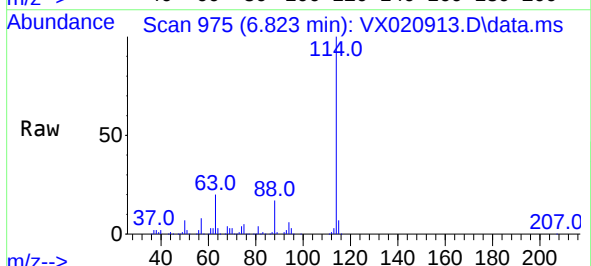
Instrument :
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ClientSampleId :
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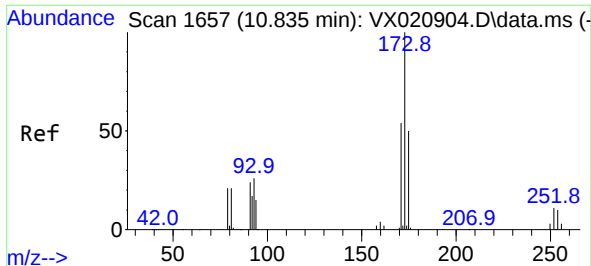
Tgt Ion: 65 Resp: 80574
Ion Ratio Lower Upper
65 100
67 52.1 41.9 62.9



#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.823 min Scan# 975
Delta R.T. -0.006 min
Lab File: VX020913.D
Acq: 25 Feb 2021 15:14

Tgt Ion: 114 Resp: 211340
Ion Ratio Lower Upper
114 100
63 19.5 16.2 24.2
88 16.3 13.0 19.6

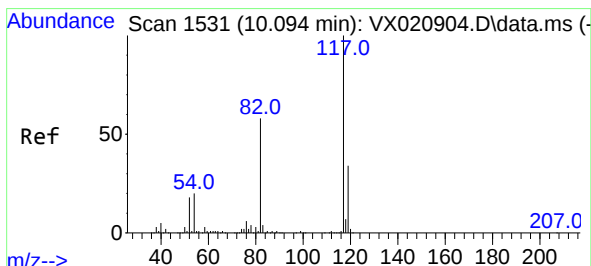
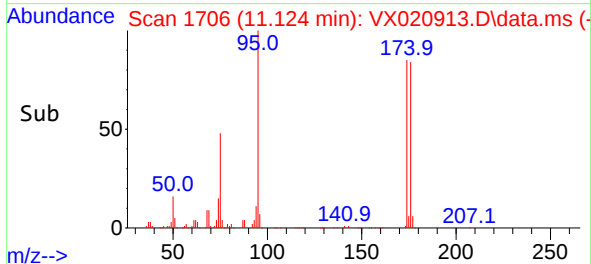
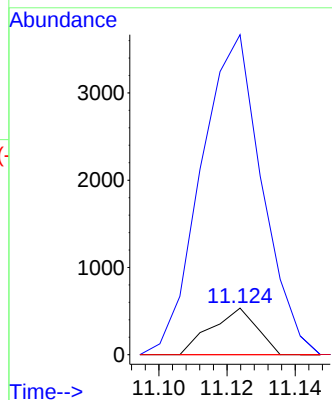
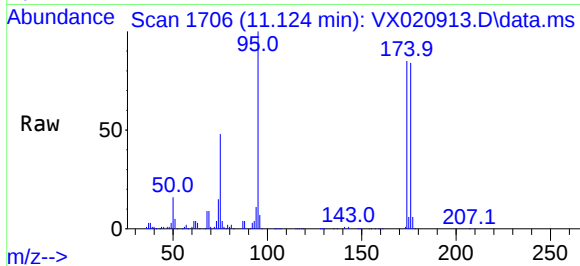




#56
Bromoform
Concen: 0.27 ug/l
RT: 11.124 min Scan# 1706
Delta R.T. 0.288 min
Lab File: VX020913.D
Acq: 25 Feb 2021 15:14

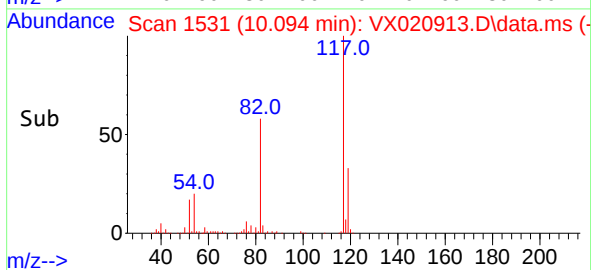
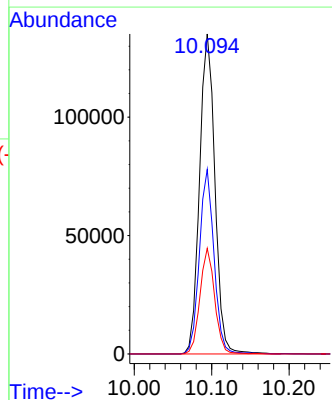
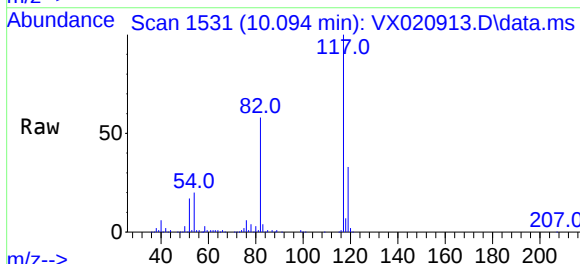
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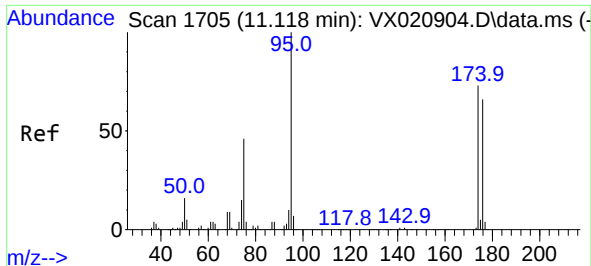
Tgt Ion:173 Resp: 498
Ion Ratio Lower Upper
173 100
175 918.7 38.1 57.1#
254 0.0 8.2 12.4#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX020913.D
Acq: 25 Feb 2021 15:14

Tgt Ion:117 Resp: 186257
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.6
119 31.6 25.6 38.4

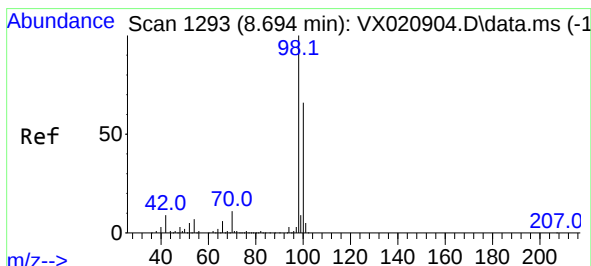
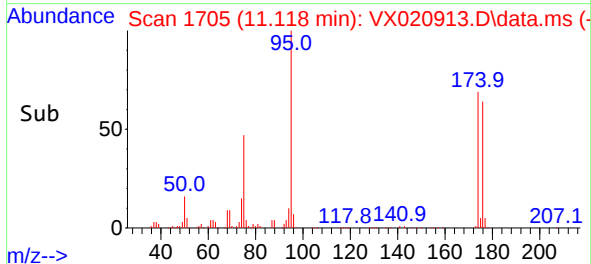
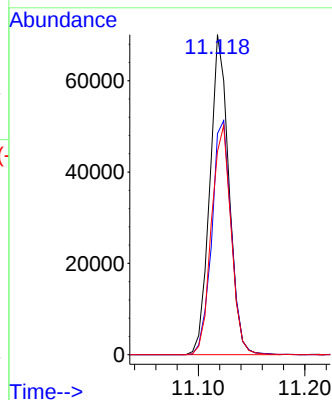
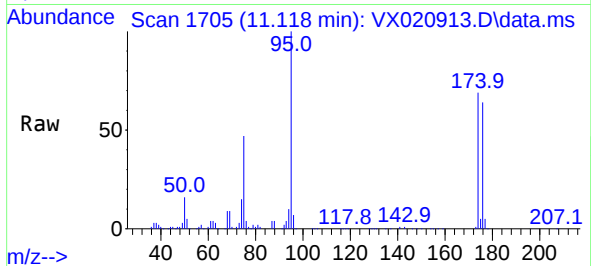




#60
4-Bromofluorobenzene
Concen: 28.18 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX020913.D
Acq: 25 Feb 2021 15:14

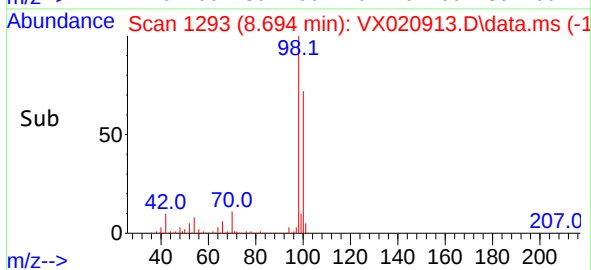
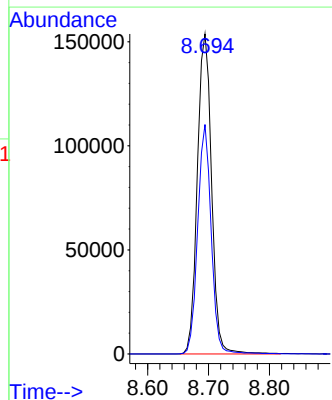
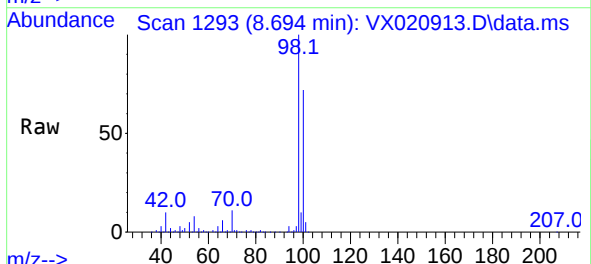
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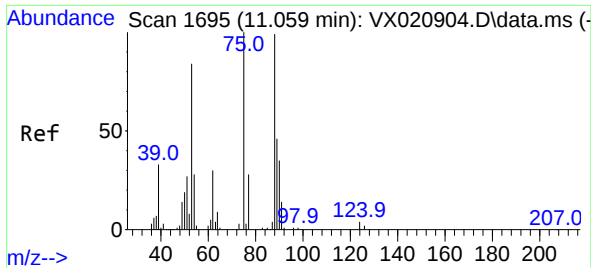
Tgt Ion:	95	Resp:	86803
Ion	Ratio	Lower	Upper
95	100		
174	74.9	63.0	94.4
176	73.7	59.9	89.9



#63
Toluene-d8
Concen: 29.47 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX020913.D
Acq: 25 Feb 2021 15:14

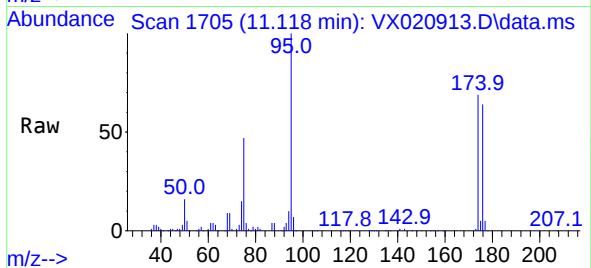
Tgt Ion:	98	Resp:	249962
Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.0	79.4





#77
t-1,4-Dichloro-2-butene
Concen: 31.03 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX020913.D
Acq: 25 Feb 2021 15:14

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20210223



Tgt Ion: 75 Resp: 41540
Ion Ratio Lower Upper
75 100
53 0.0 48.4 145.0#
89 0.0 22.7 68.0#

