

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022521\
 Data File : VX020914.D
 Acq On : 25 Feb 2021 15:35
 Operator : JC/MD
 Sample : M1481-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-025-IDWGW-20210223

Quant Time: Feb 25 16:10:15 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)

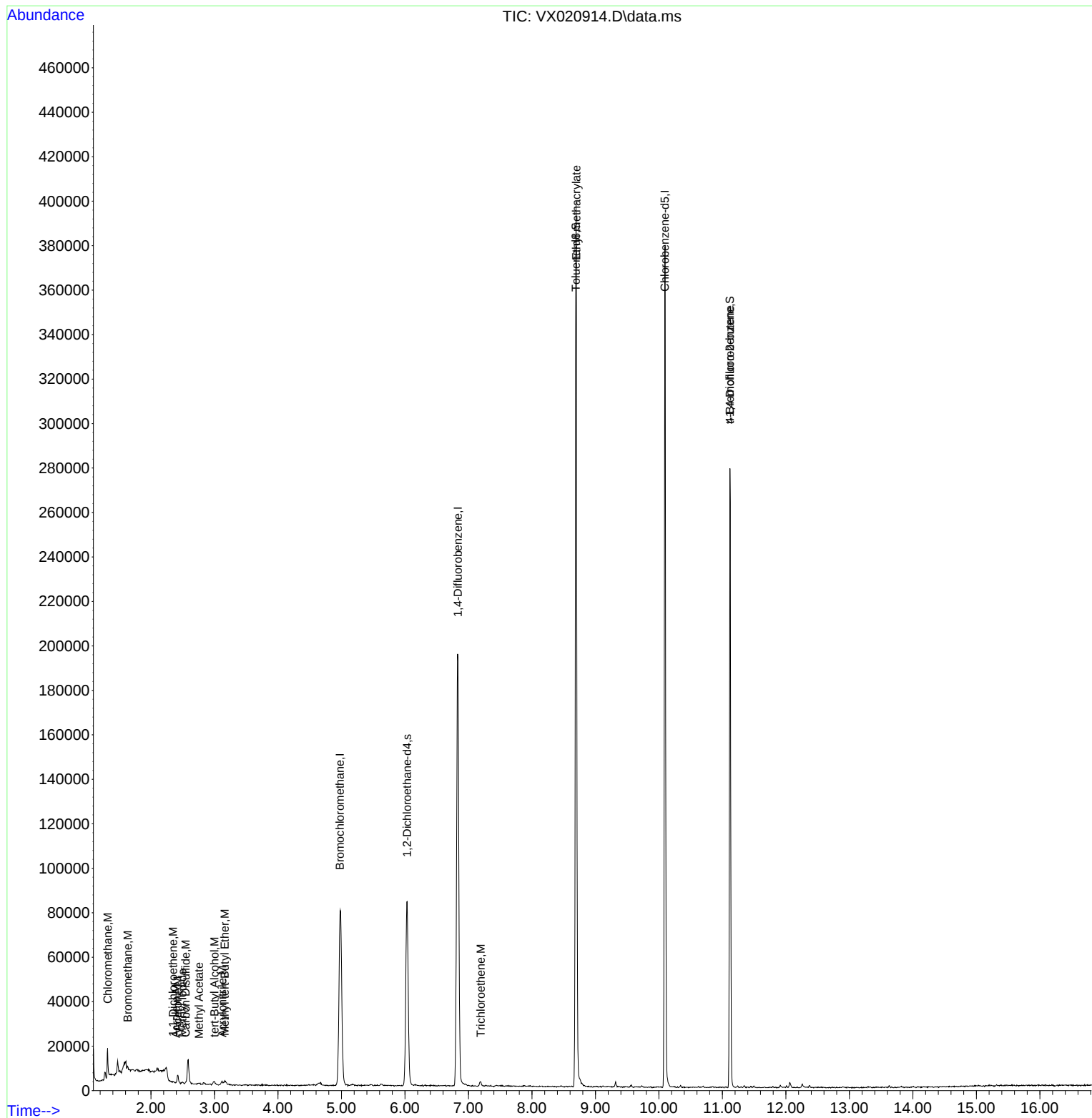
Internal Standards						
1) Bromochloromethane	4.976	128	19255	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.835	114	208748	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	175167	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.035	65	80193	59.14	ug/l	0.01
Spiked Amount 30.000	Range 91 - 110		Recovery =	197.13%#		
60) 4-Bromofluorobenzene	11.118	95	81697	28.20	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.00%		
63) Toluene-d8	8.694	98	242026	30.34	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.13%		
Target Compounds						
						Qvalue
3) Chloromethane	1.317	50	7207	6.22	ug/l	98
5) Bromomethane	1.634	94	971	1.88	ug/l	83
10) 1,1-Dichloroethene	2.346	96	272	0.24	ug/l #	54
11) Methyl Iodide	2.493	142	848	0.60	ug/l	98
12) Methyl Acetate	2.758	43	636	0.51	ug/l	98
13) Acrolein	2.393	56	89	0.50	ug/l	100
14) Acrylonitrile	3.123	53	172	0.27	ug/l #	58
15) Acetone	2.417	58	1223	6.48	ug/l	79
16) Carbon Disulfide	2.546	76	1146	0.36	ug/l	95
23) tert-Butyl Alcohol	2.999	59	942	3.31	ug/l #	96
24) Methyl tert-Butyl Ether	3.164	73	2251	0.56	ug/l #	86
37) Trichloroethene	7.194	130	811	0.30	ug/l #	80
51) Ethyl methacrylate	8.700	69	924	0.24	ug/l	91
77) t-1,4-Dichloro-2-butene	11.118	75	38727	30.76	ug/l #	11

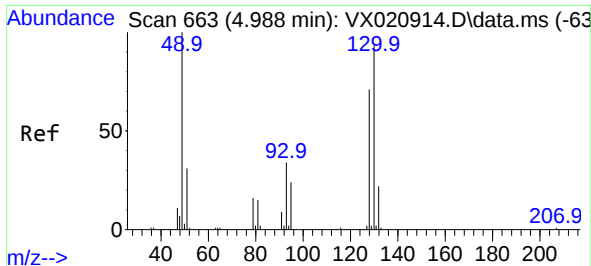
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022521\
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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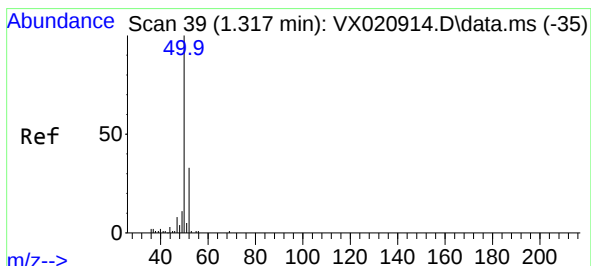
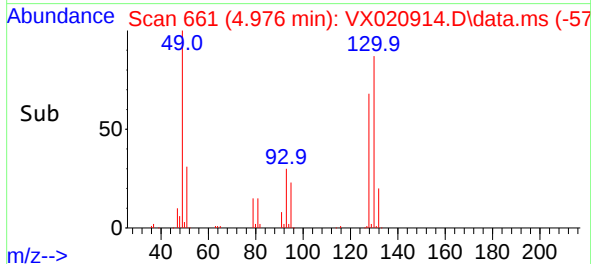
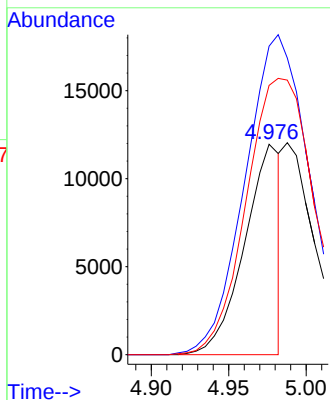
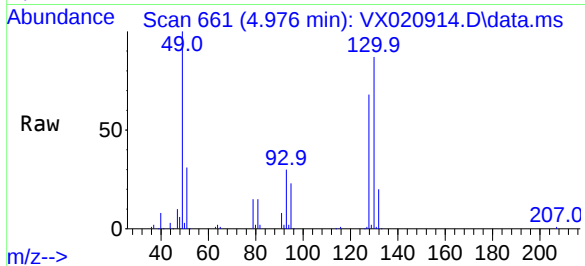




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.976 min Scan# 661
Delta R.T. 0.000 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

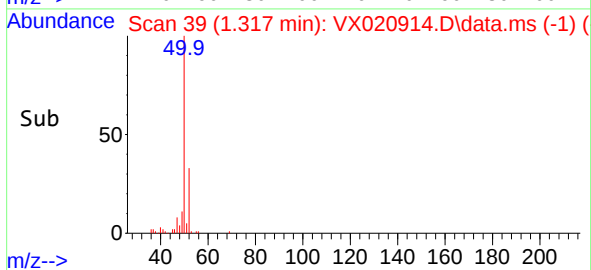
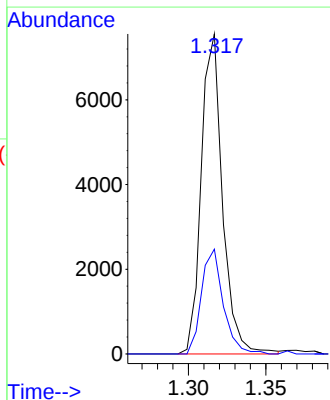
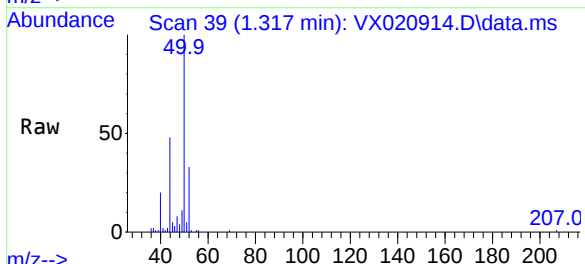
Instrument :
MSVOA_X
ClientSampleId :
TT-025-IDWGW-20210223

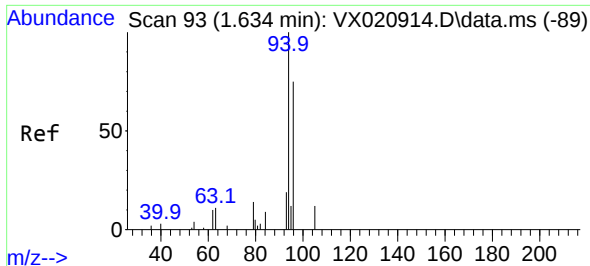
Tgt Ion:128 Resp: 19255
Ion Ratio Lower Upper
128 100
49 278.4 0.0 367.5
130 251.3 0.0 318.8



#3
Chloromethane
Concen: 6.22 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

Tgt Ion: 50 Resp: 7207
Ion Ratio Lower Upper
50 100
52 32.7 26.9 40.3

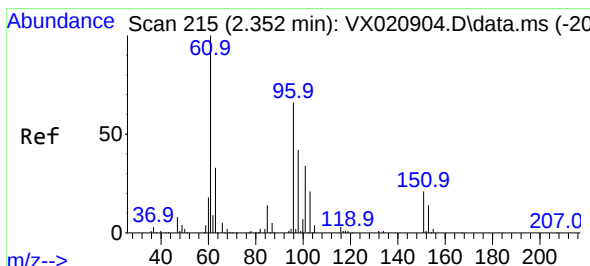
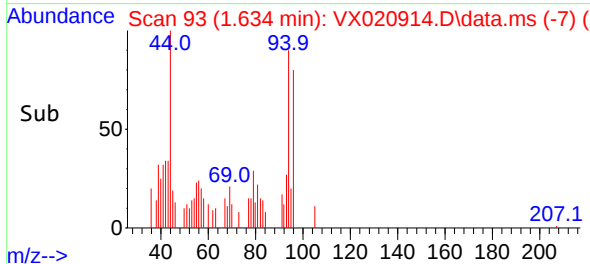
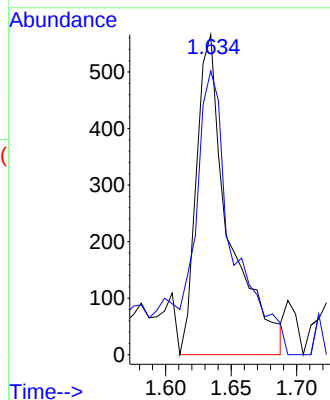
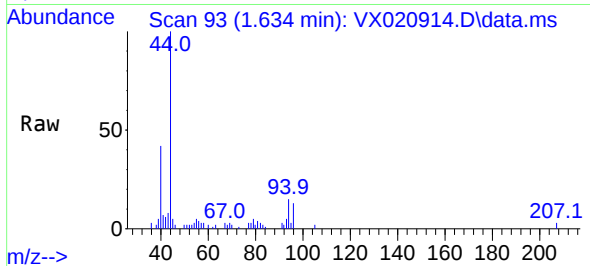




#5
Bromomethane
Concen: 1.88 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.006 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

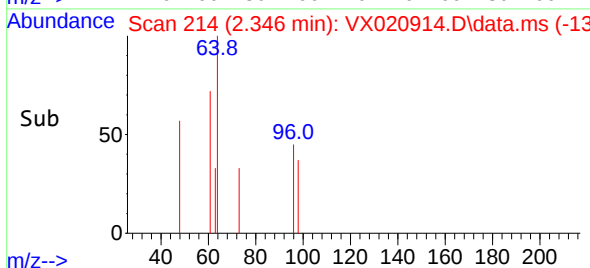
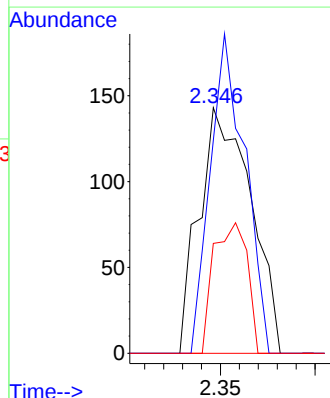
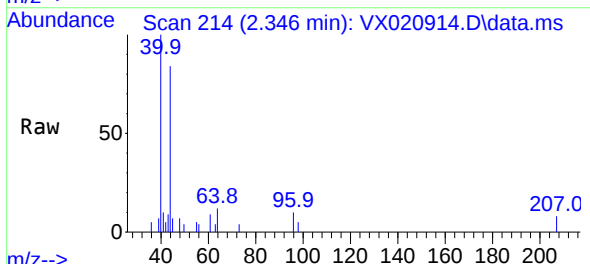
Instrument :
MSVOA_X
ClientSampleId :
TT-025-IDW/GW-20210223

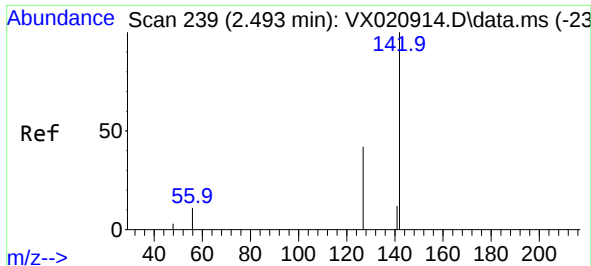
Tgt Ion: 94 Resp: 971
Ion Ratio Lower Upper
94 100
96 78.8 76.6 114.8



#10
1,1-Dichloroethene
Concen: 0.24 ug/l
RT: 2.346 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

Tgt Ion: 96 Resp: 272
Ion Ratio Lower Upper
96 100
61 86.7 126.1 189.1#
98 44.8 51.3 76.9#

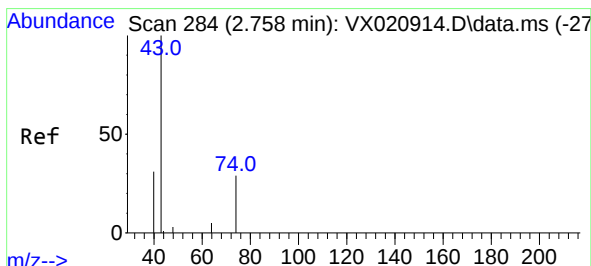
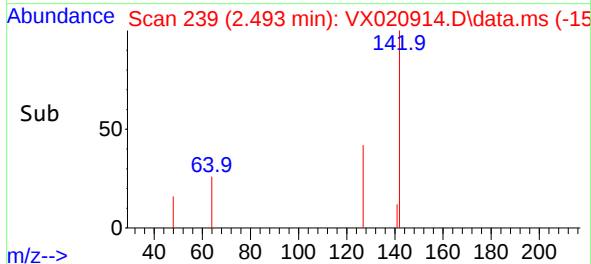
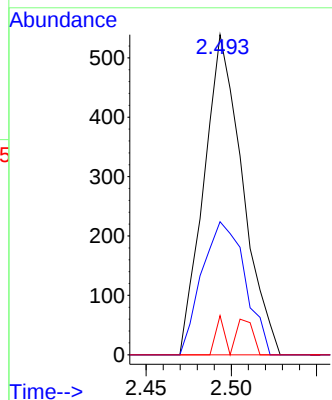
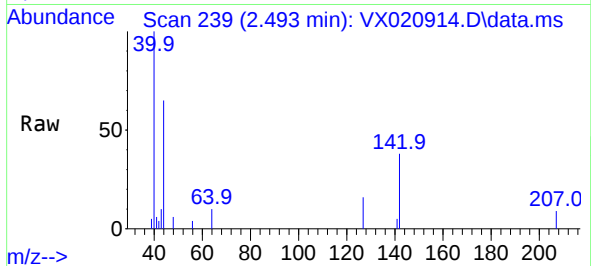




#11
Methyl Iodide
Concen: 0.60 ug/l
RT: 2.493 min Scan# 239
Delta R.T. 0.006 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

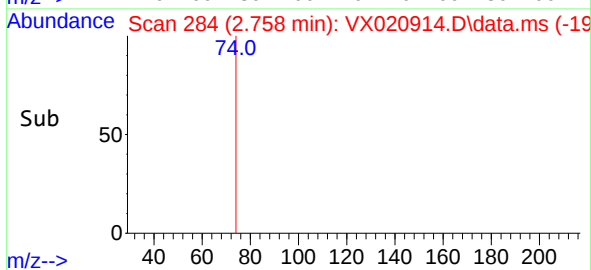
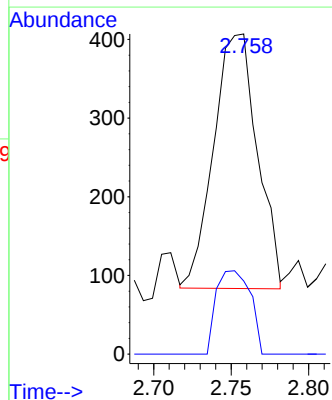
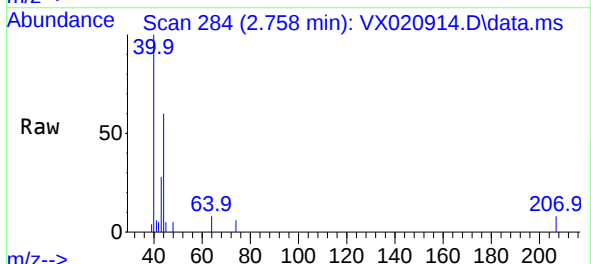
Instrument :
MSVOA_X
ClientSampleId :
TT-025-IDW/GW-20210223

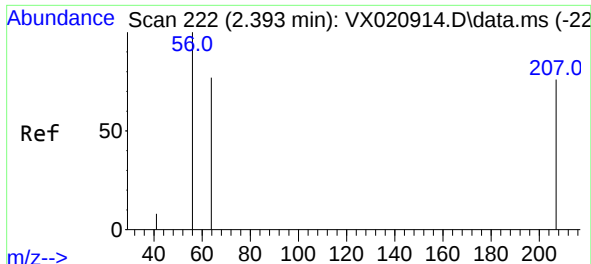
Tgt Ion:142 Resp: 848
Ion Ratio Lower Upper
142 100
127 41.6 21.4 64.2
141 12.2 6.5 19.4



#12
Methyl Acetate
Concen: 0.51 ug/l
RT: 2.758 min Scan# 284
Delta R.T. 0.012 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

Tgt Ion: 43 Resp: 636
Ion Ratio Lower Upper
43 100
74 29.3 22.8 34.2

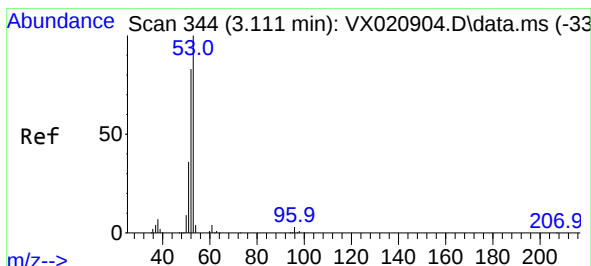
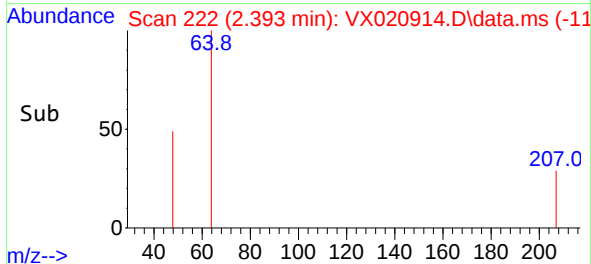
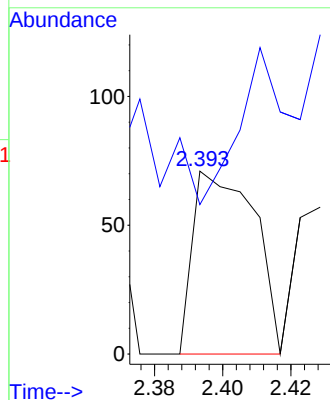
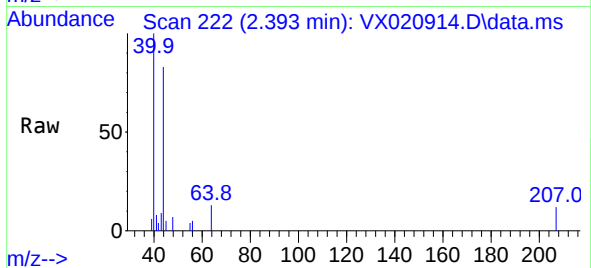




#13
Acrolein
Concen: 0.50 ug/l
RT: 2.393 min Scan# 222
Delta R.T. 0.124 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

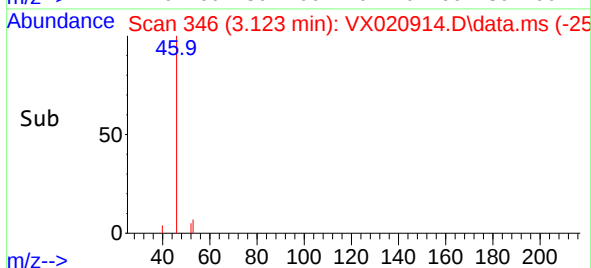
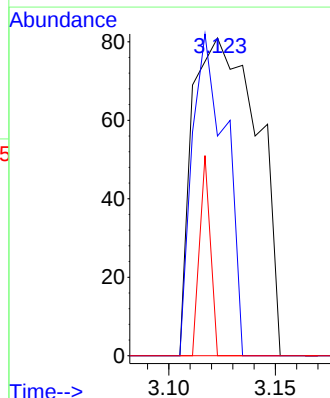
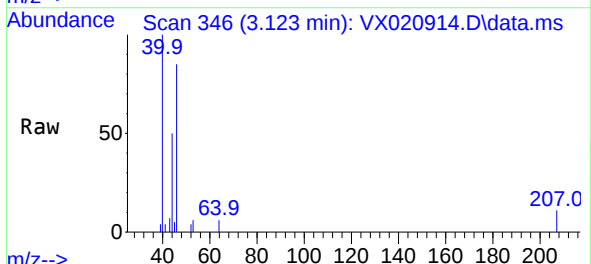
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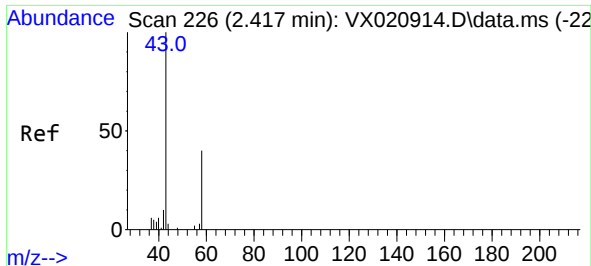
Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 70.8 56.3 84.5



#14
Acrylonitrile
Concen: 0.27 ug/l
RT: 3.123 min Scan# 346
Delta R.T. 0.012 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

Tgt Ion: 53 Resp: 172
Ion Ratio Lower Upper
53 100
52 52.3 41.1 123.3
51 0.0 17.6 52.9#

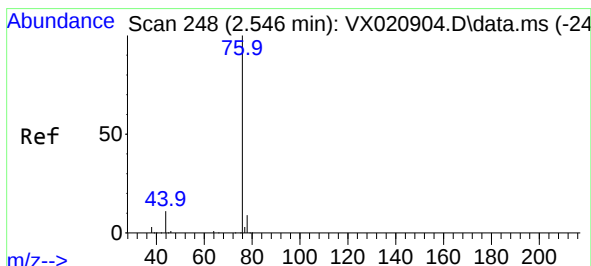
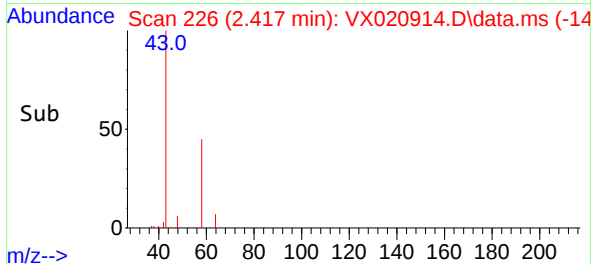
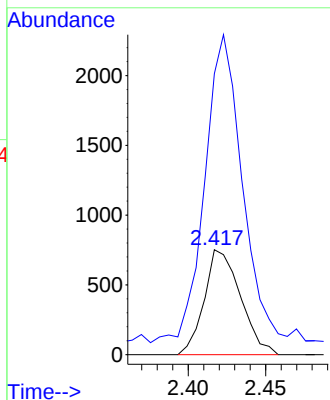
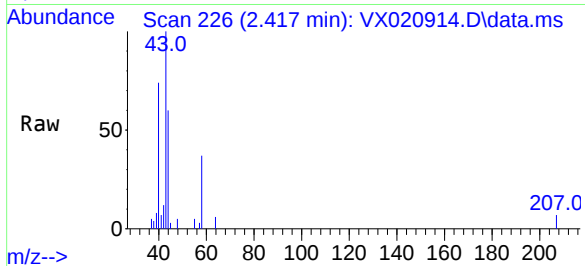




#15
Acetone
Concen: 6.48 ug/l
RT: 2.417 min Scan# 226
Delta R.T. 0.000 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

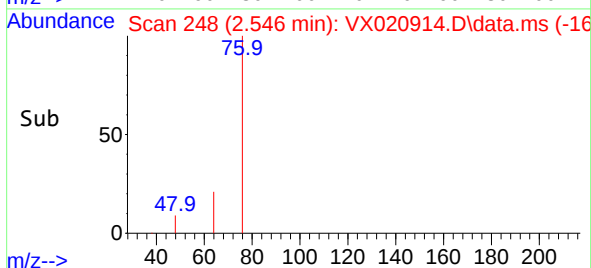
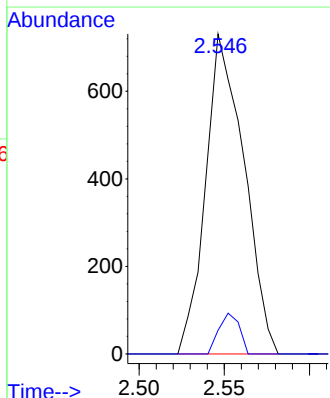
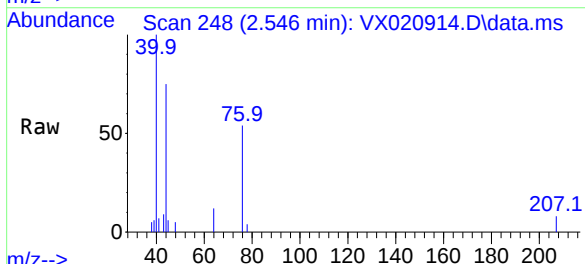
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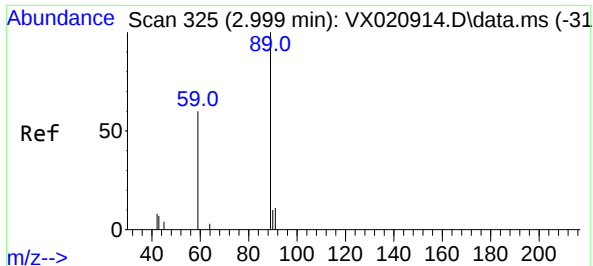
Tgt Ion: 58 Resp: 1223
Ion Ratio Lower Upper
58 100
43 250.8 232.6 348.8



#16
Carbon Disulfide
Concen: 0.36 ug/l
RT: 2.546 min Scan# 248
Delta R.T. 0.000 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

Tgt Ion: 76 Resp: 1146
Ion Ratio Lower Upper
76 100
78 7.4 7.4 11.0



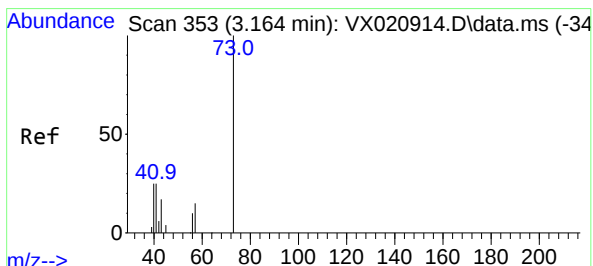
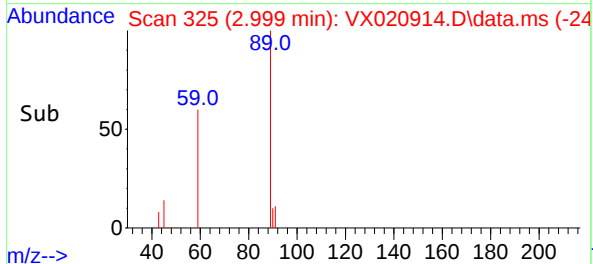
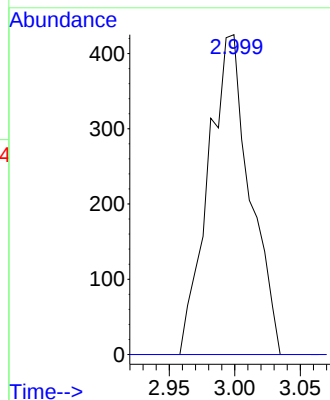
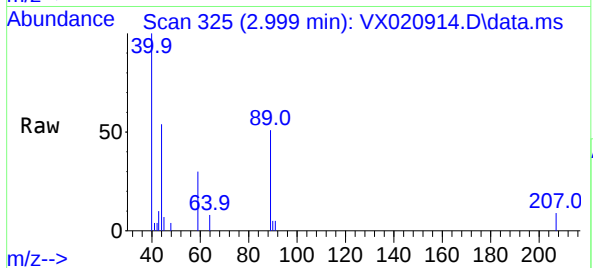


#23

tert-Butyl Alcohol
Concen: 3.31 ug/l
RT: 2.999 min Scan# 325
Delta R.T. -0.012 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

Instrument :
MSVOA_X
ClientSampleId :
TT-025-IDWGW-20210223

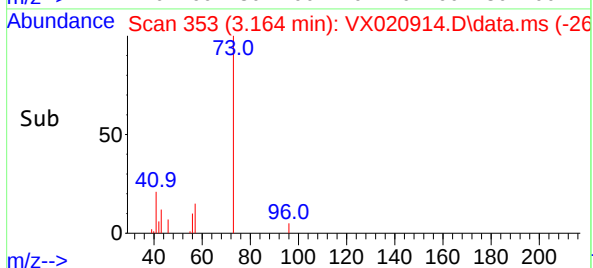
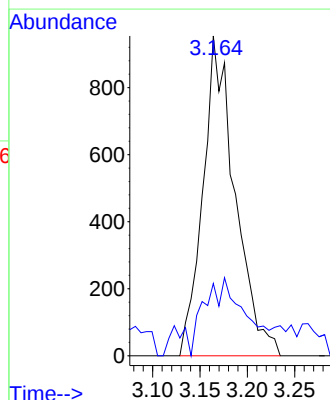
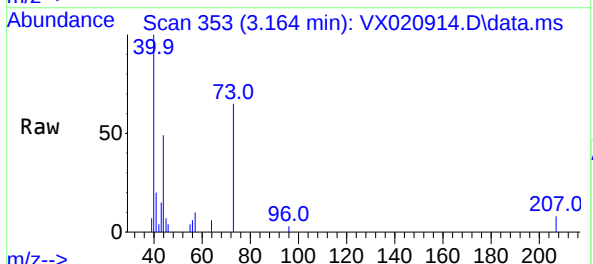
Tgt Ion: 59 Resp: 942
Ion Ratio Lower Upper
59 100
52 9.6 0.1 0.1#

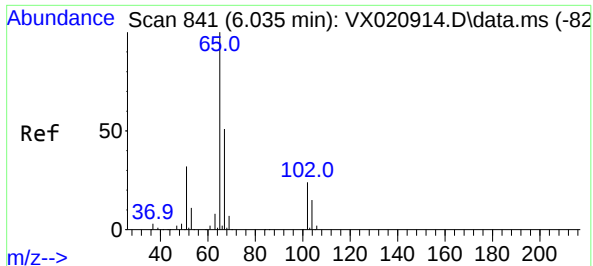


#24

Methyl tert-Butyl Ether
Concen: 0.56 ug/l
RT: 3.164 min Scan# 353
Delta R.T. 0.000 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

Tgt Ion: 73 Resp: 2251
Ion Ratio Lower Upper
73 100
43 12.5 14.9 22.3#

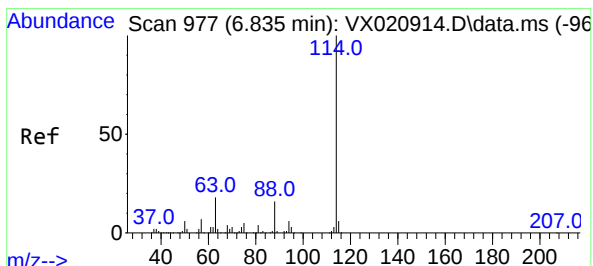
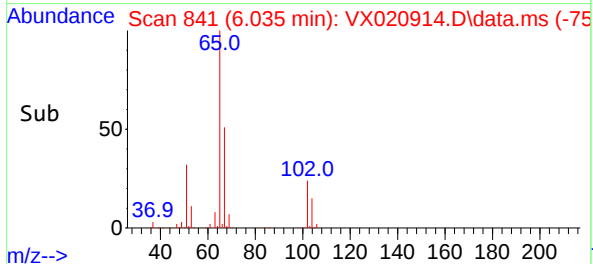
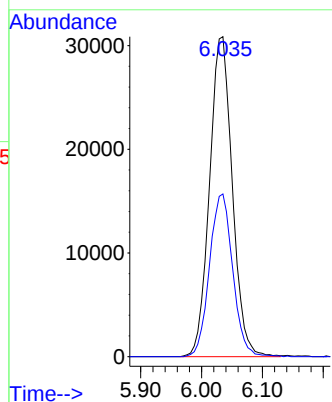
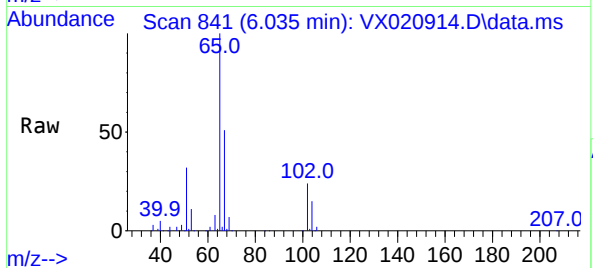




#27
1,2-Dichloroethane-d4
Concen: 59.14 ug/l
RT: 6.035 min Scan# 841
Delta R.T. 0.012 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

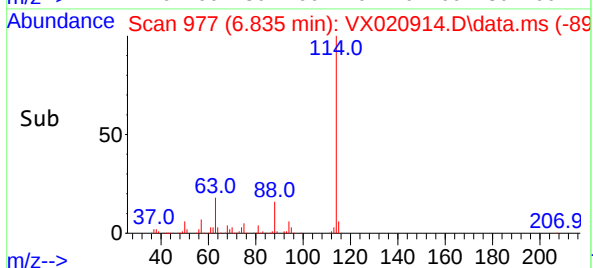
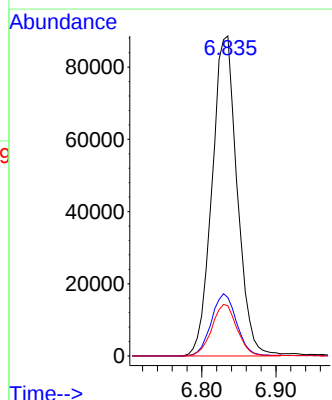
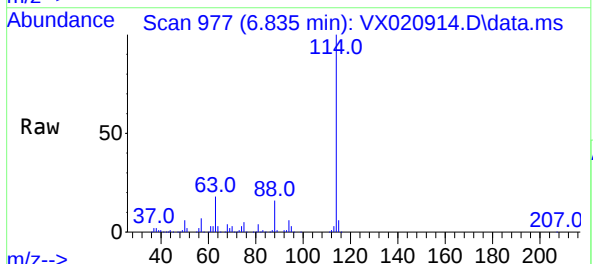
Instrument :
MSVOA_X
ClientSampleId :
TT-025-IDWGW-20210223

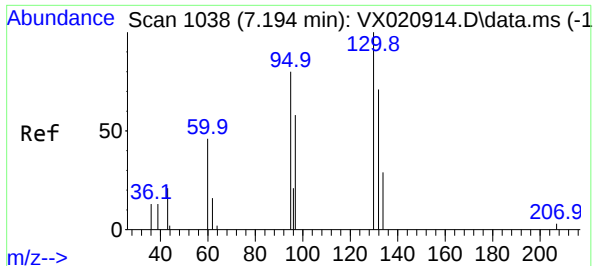
Tgt Ion: 65 Resp: 80193
Ion Ratio Lower Upper
65 100
67 51.8 41.9 62.9



#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.835 min Scan# 977
Delta R.T. 0.006 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

Tgt Ion: 114 Resp: 208748
Ion Ratio Lower Upper
114 100
63 19.5 16.2 24.2
88 16.1 13.0 19.6





#37

Trichloroethene

Concen: 0.30 ug/l

RT: 7.194 min Scan# 1038

Delta R.T. 0.006 min

Lab File: VX020914.D

Acq: 25 Feb 2021 15:35

Tgt Ion:130 Resp: 811

Ion Ratio Lower Upper

130 100

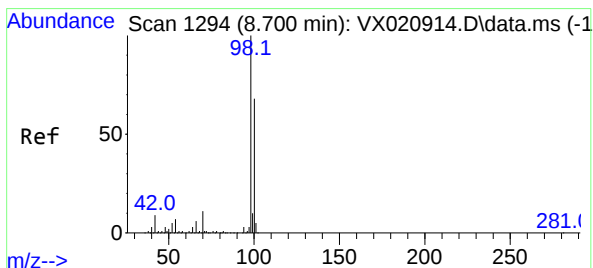
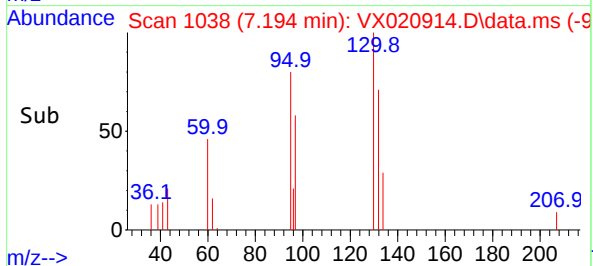
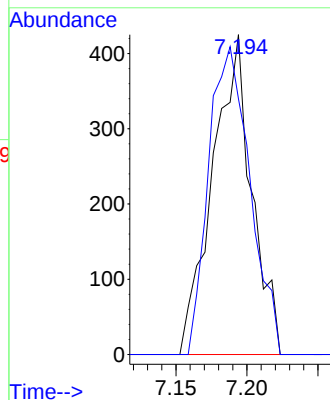
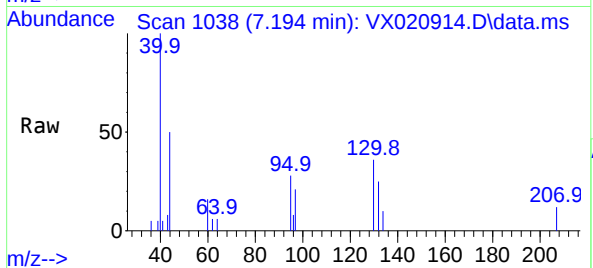
95 80.0 80.2 120.4#

Instrument :

MSVOA_X

ClientSampleId :

TT-025-IDWGW-20210223



#51

Ethyl methacrylate

Concen: 0.24 ug/l

RT: 8.700 min Scan# 1294

Delta R.T. -0.459 min

Lab File: VX020914.D

Acq: 25 Feb 2021 15:35

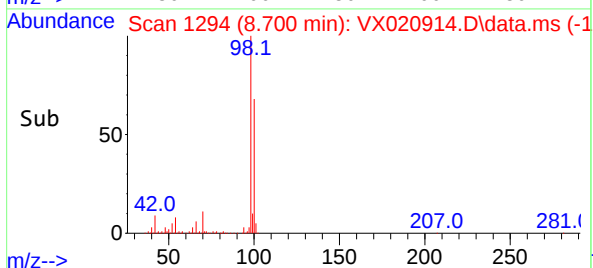
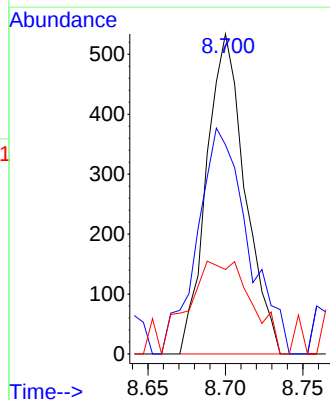
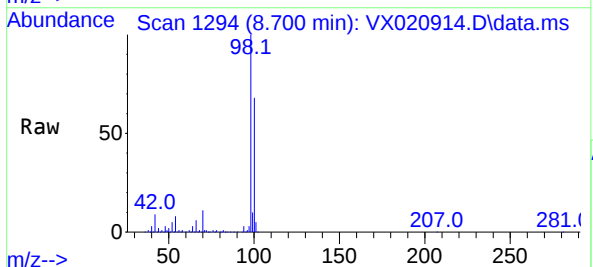
Tgt Ion: 69 Resp: 924

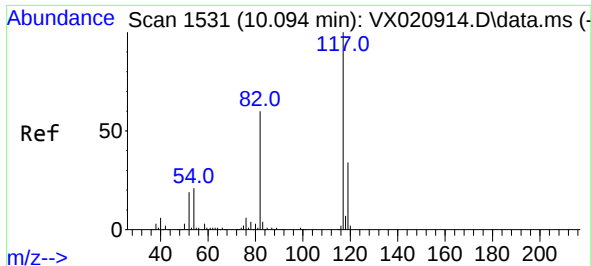
Ion Ratio Lower Upper

69 100

41 51.7 29.1 87.4

39 26.4 15.4 46.1

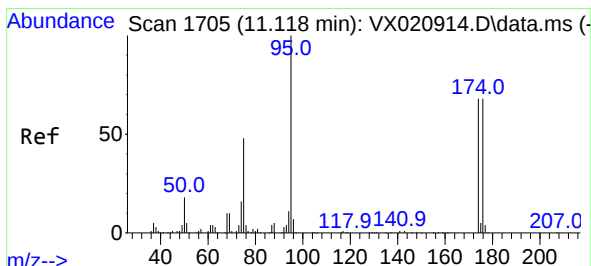
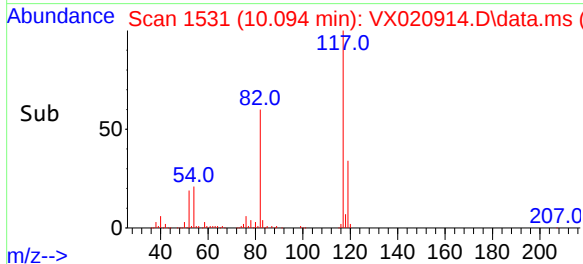
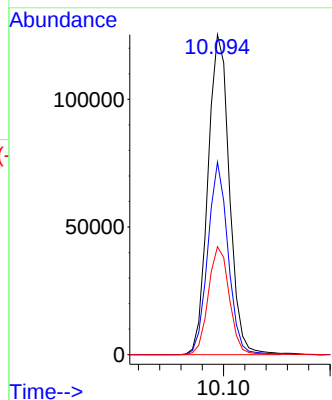
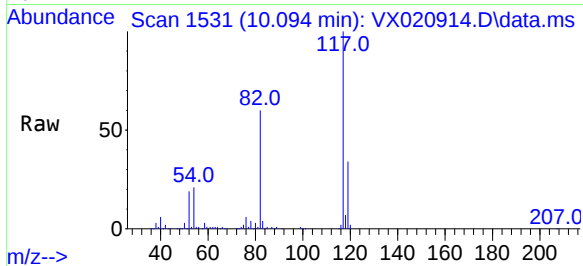




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

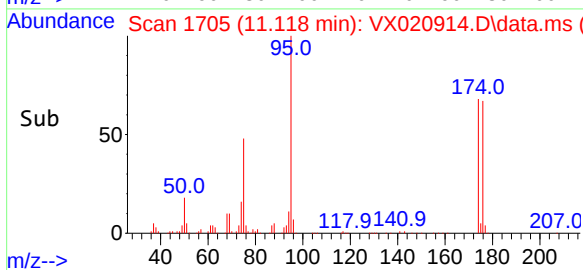
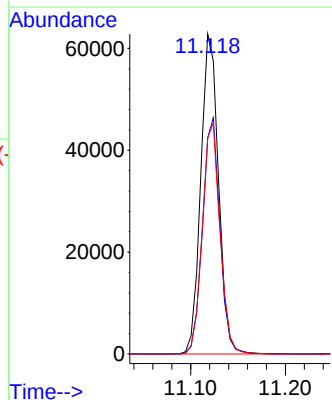
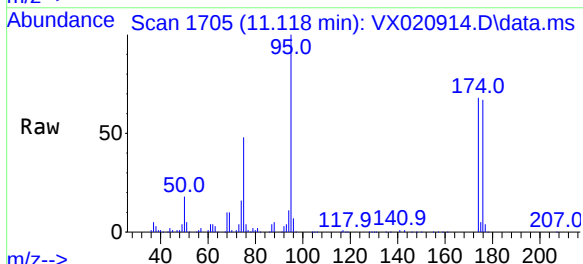
Instrument :
MSVOA_X
ClientSampleId :
TT-025-IDWGW-20210223

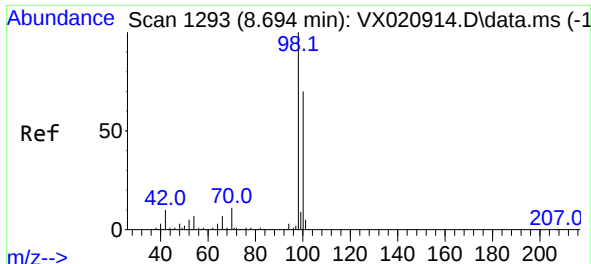
Tgt Ion:	117	Resp:	175167
Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.0	67.6
119	33.2	25.6	38.4



#60
4-Bromofluorobenzene
Concen: 28.20 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

Tgt Ion:	95	Resp:	81697
Ion	Ratio	Lower	Upper
95	100		
174	72.2	63.0	94.4
176	72.0	59.9	89.9

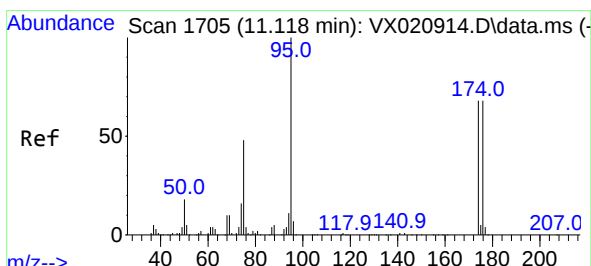
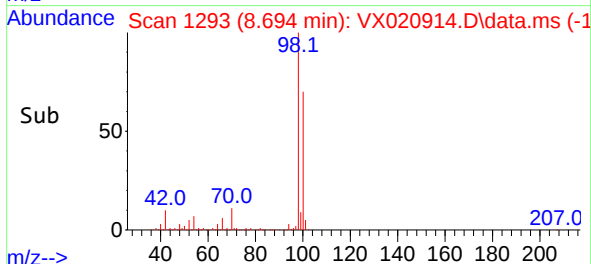
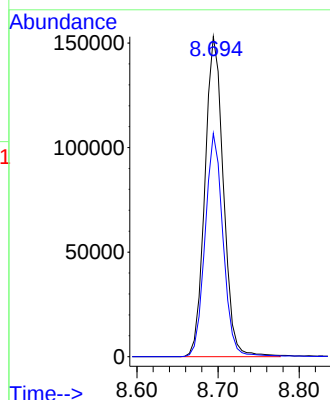
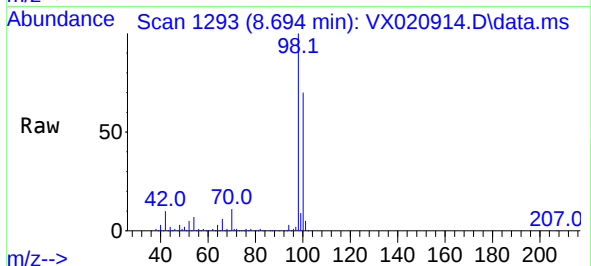




#63
Toluene-d8
Concen: 30.34 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

Instrument :
MSVOA_X
ClientSampleId :
TT-025-IDWGW-20210223

Tgt Ion: 98 Resp: 242026
Ion Ratio Lower Upper
98 100
100 67.7 53.0 79.4



#77
t-1,4-Dichloro-2-butene
Concen: 30.76 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX020914.D
Acq: 25 Feb 2021 15:35

Tgt Ion: 75 Resp: 38727
Ion Ratio Lower Upper
75 100
53 0.0 48.4 145.0#
89 0.0 22.7 68.0#

