

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071621\
 Data File : VX023321.D
 Acq On : 16 Jul 2021 12:44
 Operator : JC/MD
 Sample : M3027-05 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NWB-1640

Quant Time: Jul 17 02:08:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

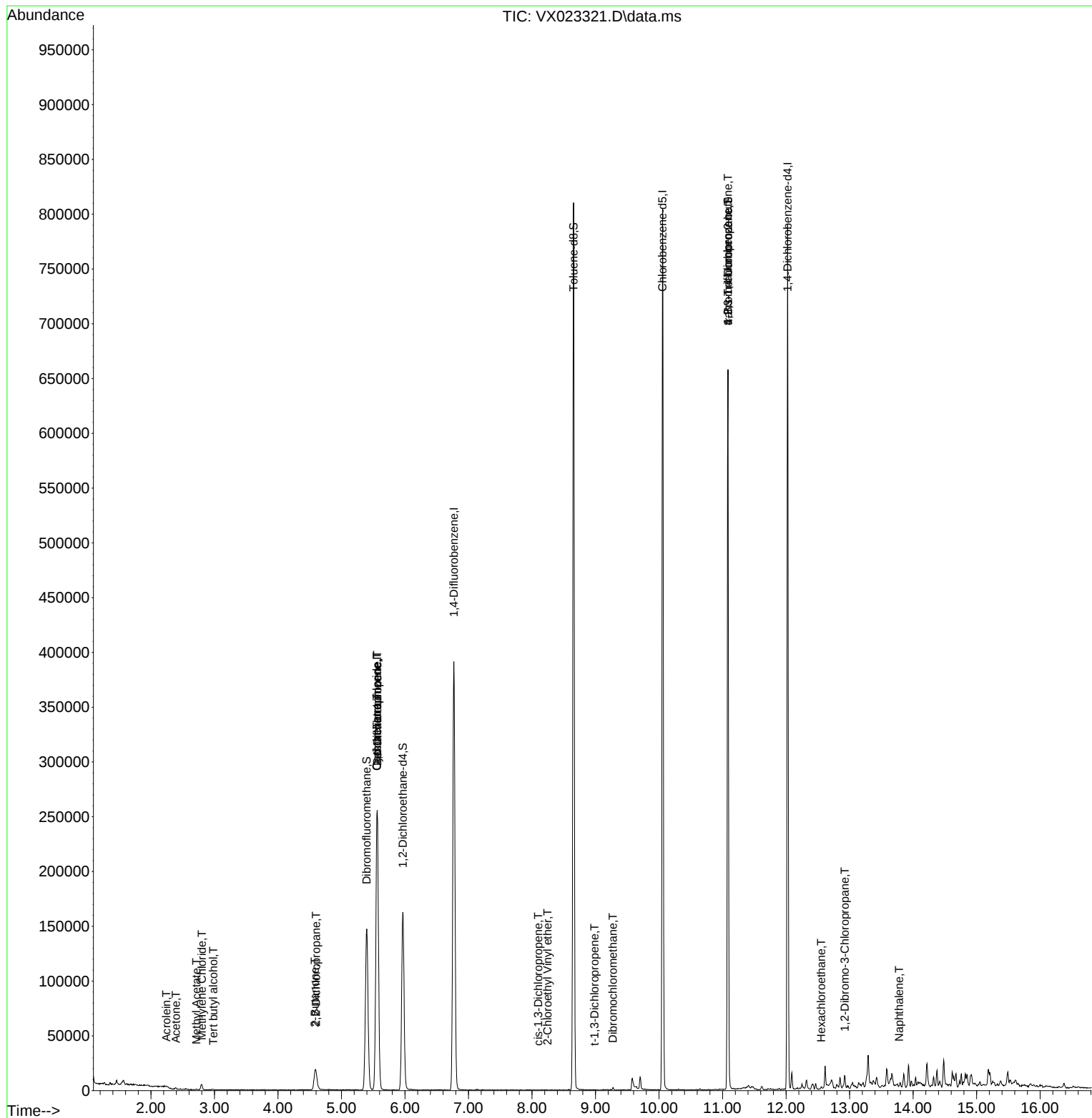
Internal Standards						
1) Pentafluorobenzene	5.562	168	239491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	396352	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	353709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	154473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	168091	52.222	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.440%	
35) Dibromofluoromethane	5.397	113	128188	50.084	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.160%	
50) Toluene-d8	8.653	98	471327	49.367	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.740%	
62) 4-Bromofluorobenzene	11.085	95	170820	46.345	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.680%	
Target Compounds						
5) Bromomethane	1.611	94	632	Below Cal	Qvalue 100	
11) Tert butyl alcohol	2.983	59	590	0.871	ug/l #	73
13) Acrolein	2.239	56	166	0.368	ug/l #	1
16) Acetone	2.392	43	1755	1.378	ug/l	100
18) Methyl Acetate	2.715	43	1038	0.336	ug/l #	52
20) Methylene Chloride	2.800	84	2452	0.894	ug/l	87
25) 2-Butanone	4.580	43	1630	0.849	ug/l #	45
26) 2,2-Dichloropropane	4.598	77	1642	0.443	ug/l #	52
31) Cyclohexane	5.556	56	4931	1.279	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	18950	5.363	ug/l #	50
38) Carbon Tetrachloride	5.556	117	25369	6.878	ug/l #	17
53) t-1,3-Dichloropropene	8.982	75	20	2.741	ug/l #	44
54) cis-1,3-Dichloropropene	8.098	75	23	2.178	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.244	63	43	4.708	ug/l #	45
60) Dibromochloromethane	9.274	129	328	3.211	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	90371	29.072	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	90371	78.206	ug/l #	12
90) Hexachloroethane	12.554	117	125	3.067	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	12.926	75	25	2.598	ug/l #	1
95) Naphthalene	13.780	128	602	1.326	ug/l #	29

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

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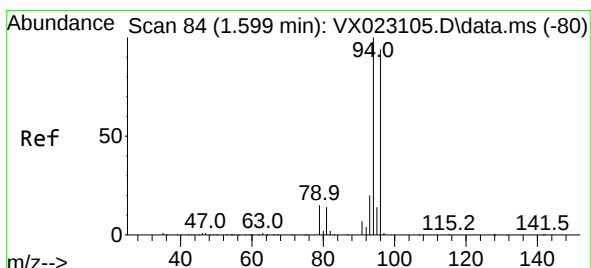
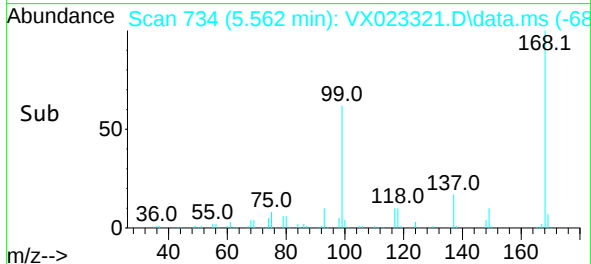
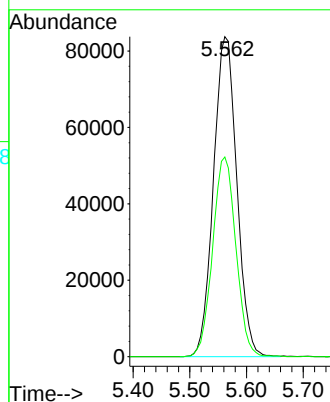
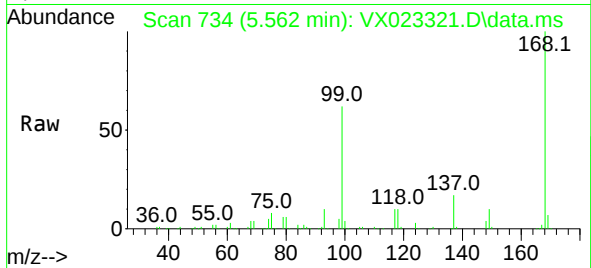




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

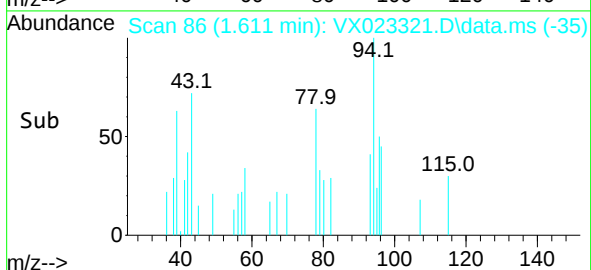
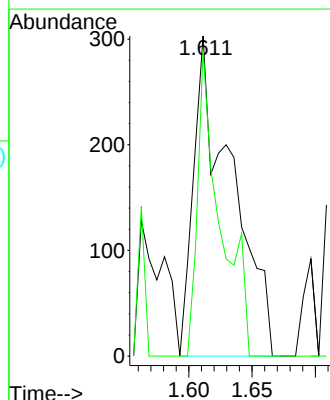
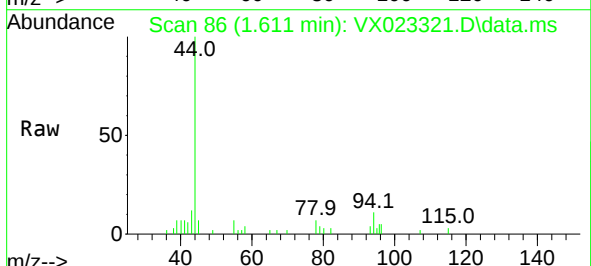
Instrument :
MSVOA_X
ClientSampleId :
NWB-1640

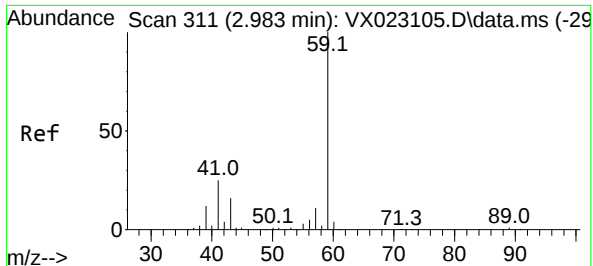
Tgt Ion:168 Resp: 239491
Ion Ratio Lower Upper
168 100
99 62.4 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

Tgt Ion: 94 Resp: 632
Ion Ratio Lower Upper
94 100
96 95.4 76.4 114.6



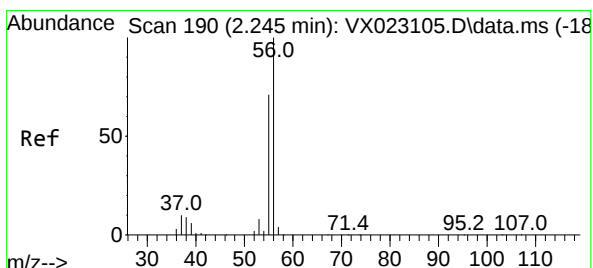
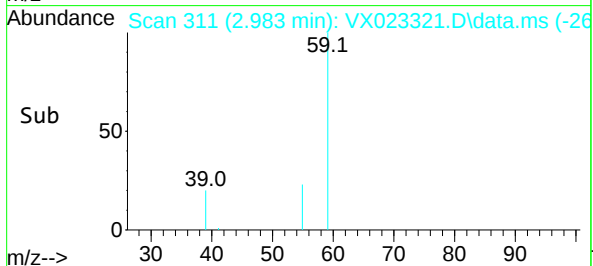
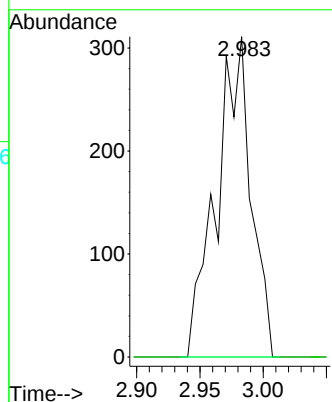
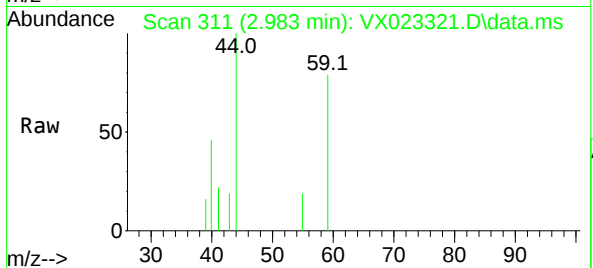


#11

Tert butyl alcohol
Concen: 0.871 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

Instrument :
MSVOA_X
ClientSampled :
NWB-1640

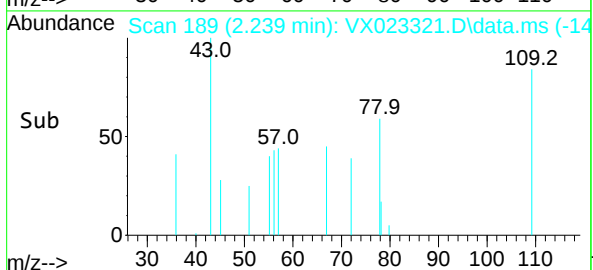
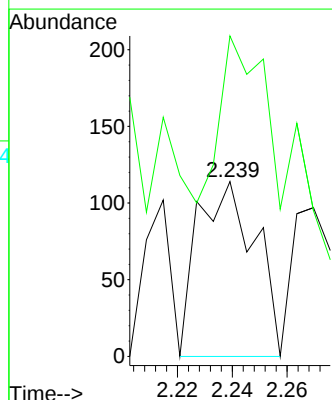
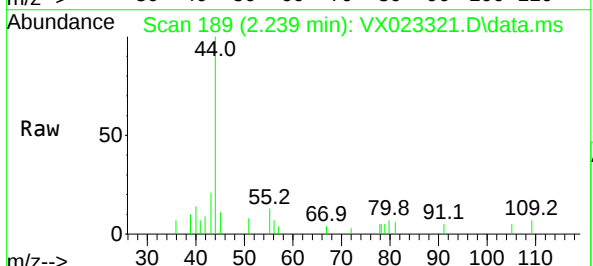
Tgt Ion: 59 Resp: 590
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

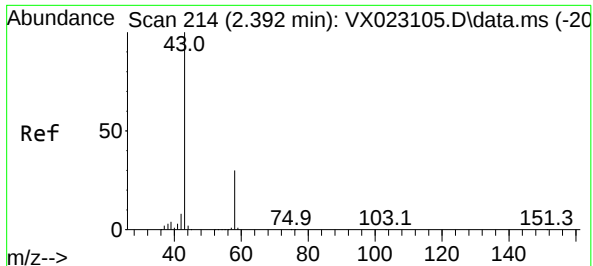


#13

Acrolein
Concen: 0.368 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

Tgt Ion: 56 Resp: 166
Ion Ratio Lower Upper
56 100
55 269.3 56.4 84.6#

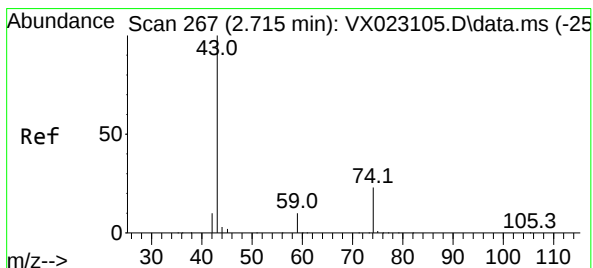
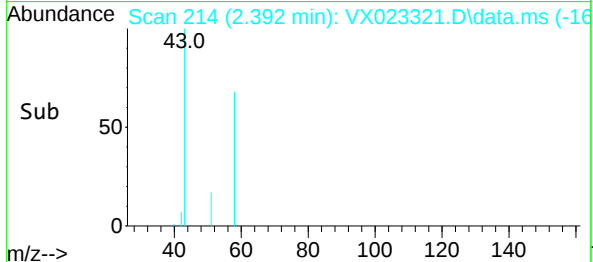
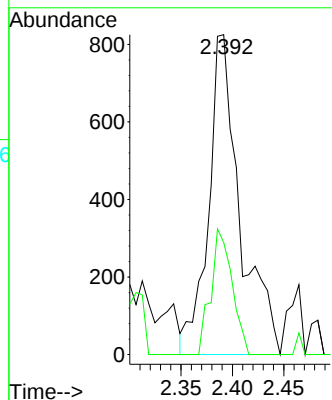
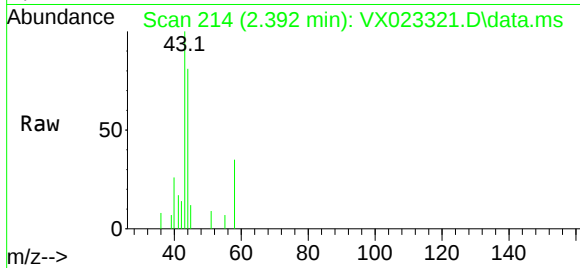




#16
Acetone
Concen: 1.378 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

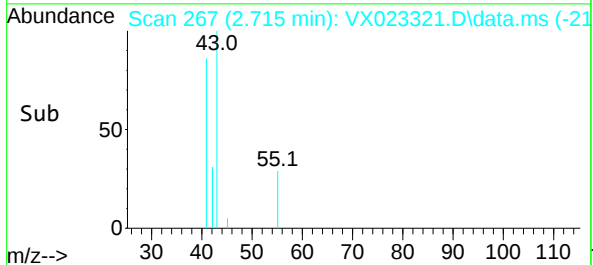
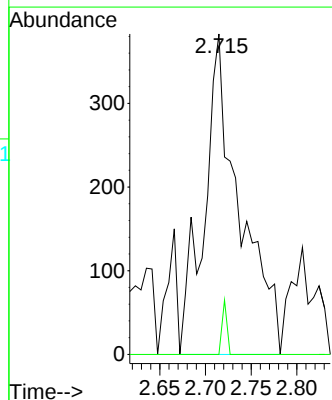
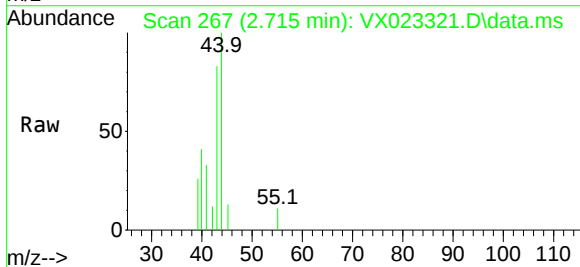
Instrument :
MSVOA_X
ClientSampleId :
NWB-1640

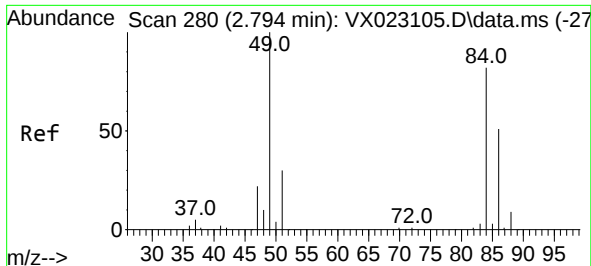
Tgt Ion: 43 Resp: 1755
Ion Ratio Lower Upper
43 100
58 35.0 27.8 41.8



#18
Methyl Acetate
Concen: 0.336 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

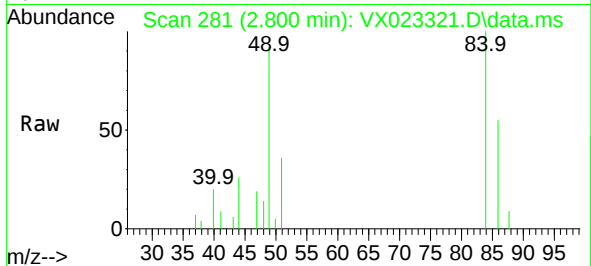
Tgt Ion: 43 Resp: 1038
Ion Ratio Lower Upper
43 100
74 2.3 21.9 32.9#



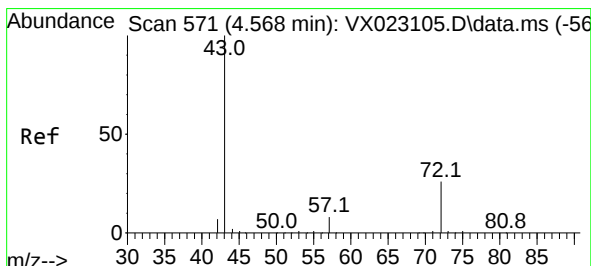
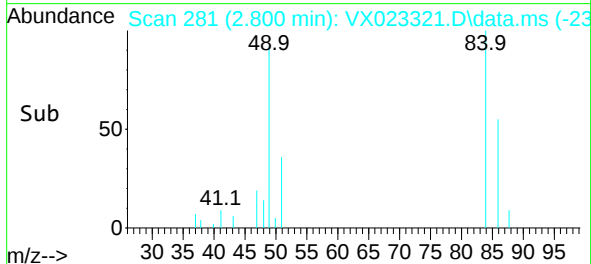
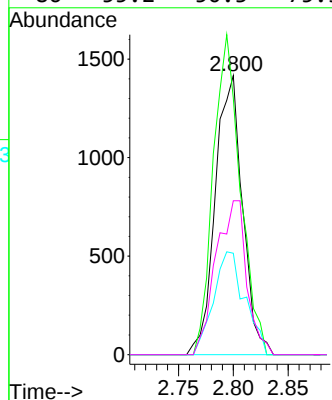


#20
Methylene Chloride
Concen: 0.894 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

Instrument :
MSVOA_X
ClientSampleId :
NWB-1640

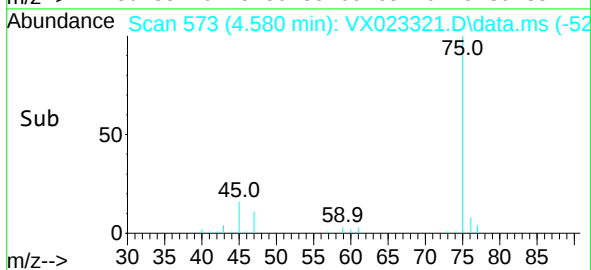
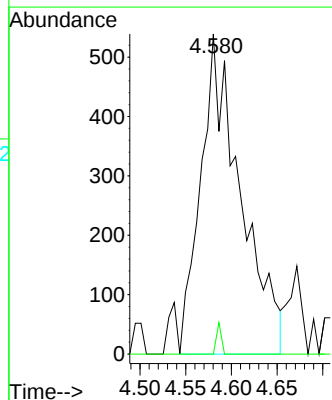
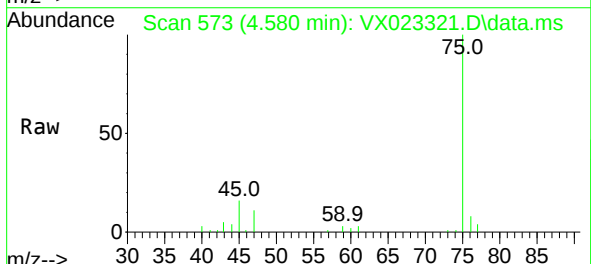


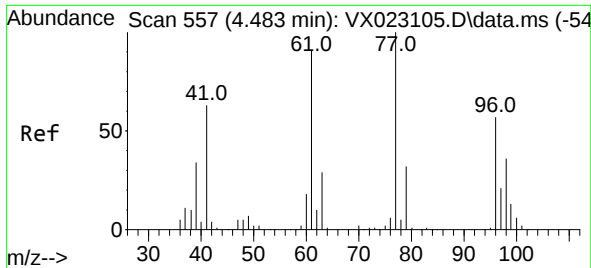
Tgt Ion	Ratio	Lower	Upper
84	100		
49	91.9	88.6	132.8
51	36.4	27.0	40.6
86	55.2	50.3	75.5



#25
2-Butanone
Concen: 0.849 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#

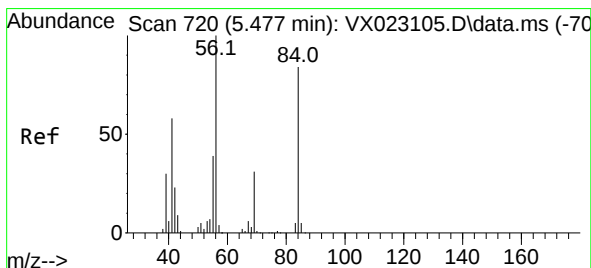
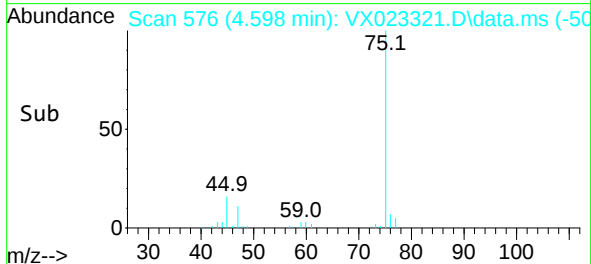
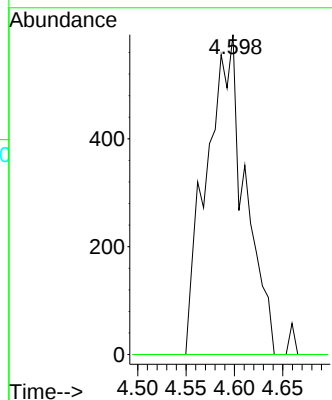
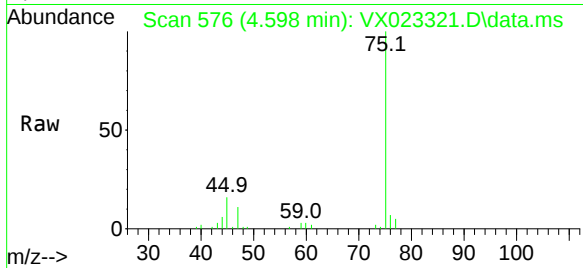




#26
2,2-Dichloropropane
Concen: 0.443 ug/l
RT: 4.598 min Scan# 576
Delta R.T. 0.115 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

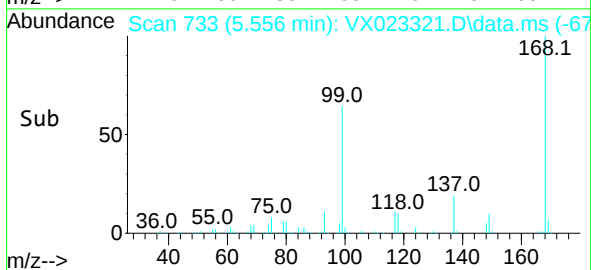
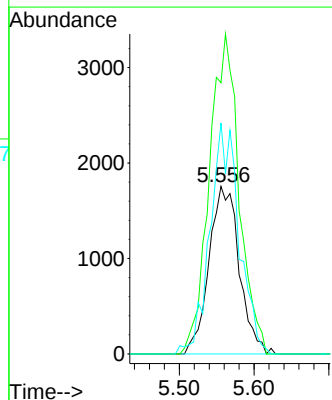
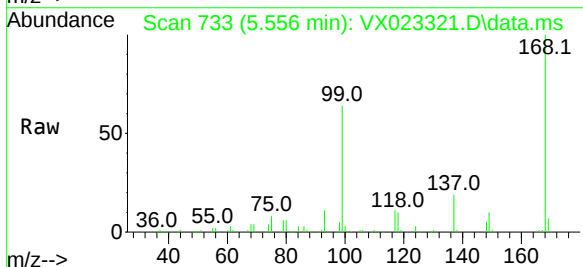
Instrument :
MSVOA_X
ClientSampleId :
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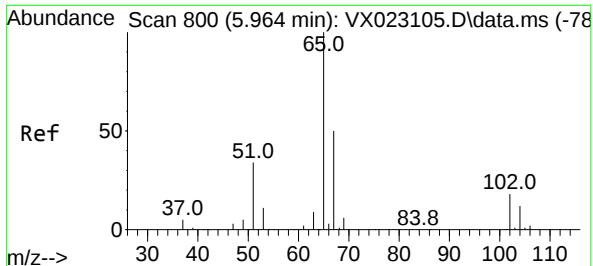
Tgt Ion: 77 Resp: 1642
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



#31
Cyclohexane
Concen: 1.279 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

Tgt Ion: 56 Resp: 4931
Ion Ratio Lower Upper
56 100
69 161.9 25.3 37.9#
84 137.9 71.4 107.0#

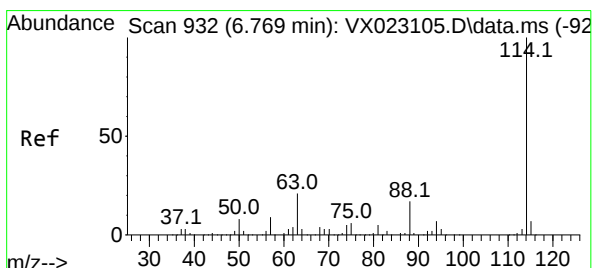
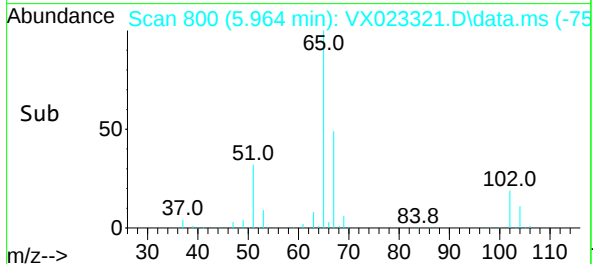
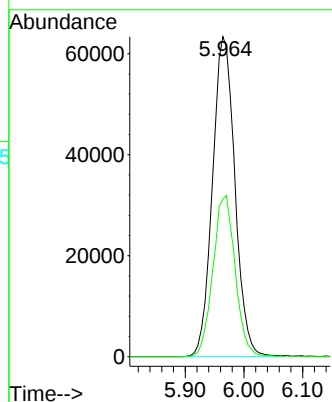
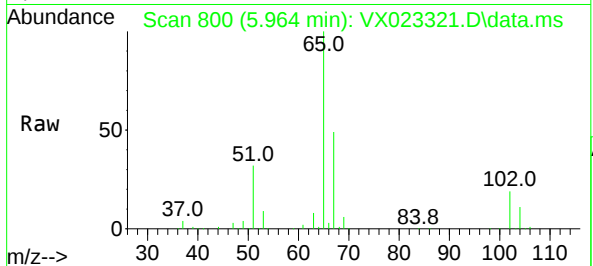




#33
1,2-Dichloroethane-d4
Concen: 52.222 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

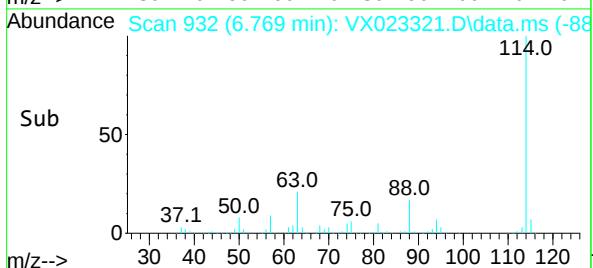
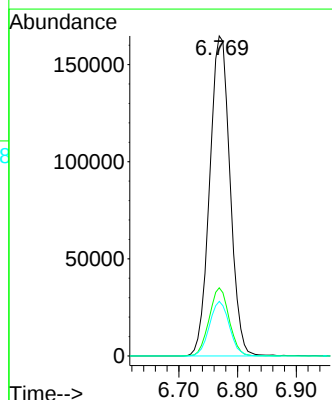
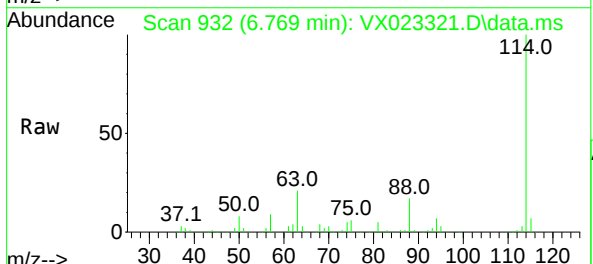
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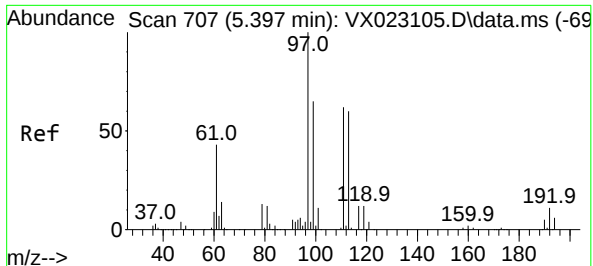
Tgt Ion: 65 Resp: 168091
Ion Ratio Lower Upper
65 100
67 50.0 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

Tgt Ion: 114 Resp: 396352
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 17.0 0.0 32.8

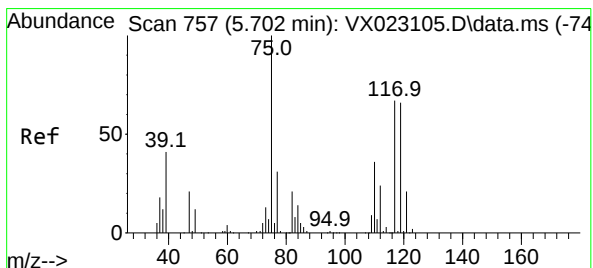
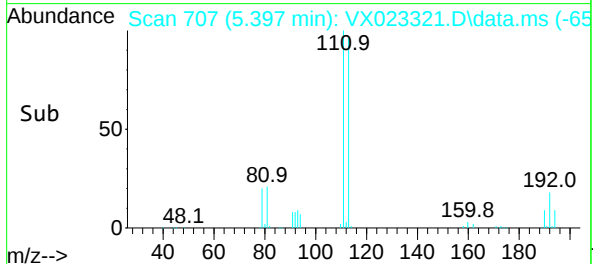
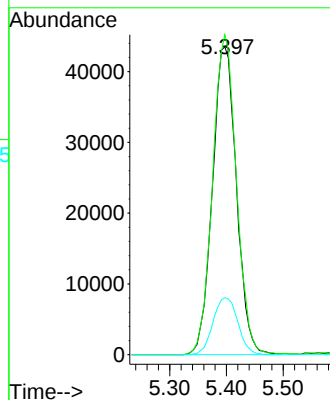
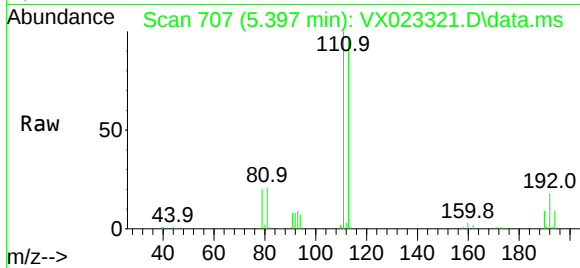




#35
Dibromofluoromethane
Concen: 50.084 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

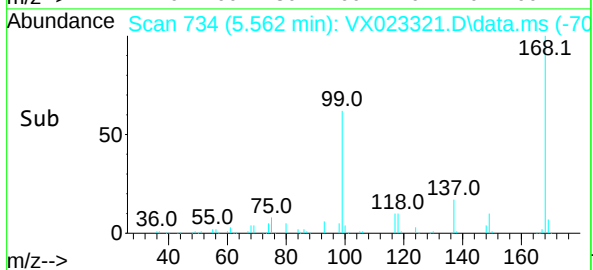
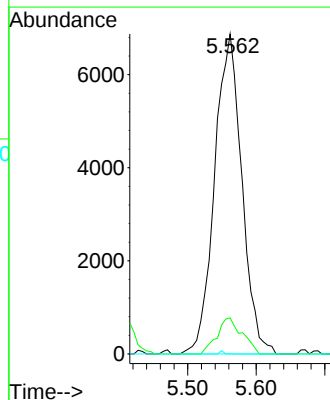
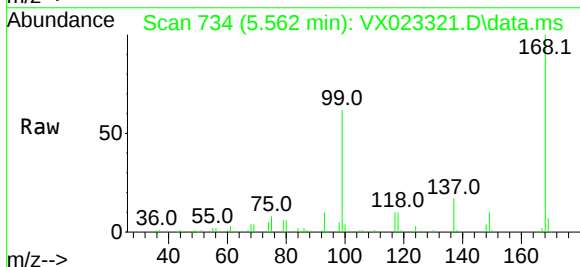
Instrument :
MSVOA_X
ClientSampleId :
NWB-1640

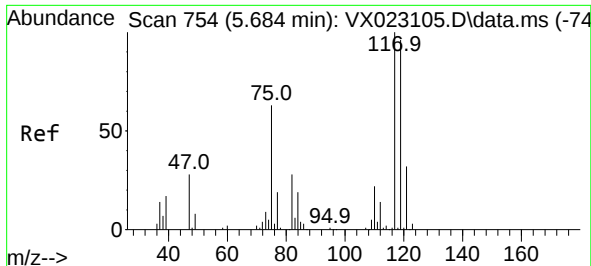
Tgt Ion:113 Resp: 128188
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 19.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.363 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

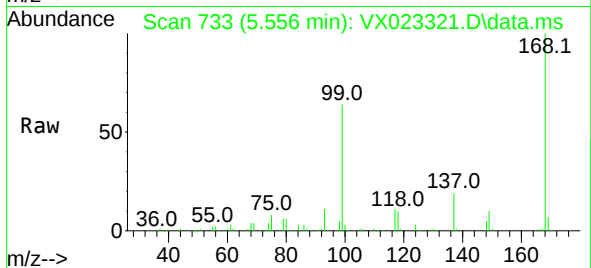
Tgt Ion: 75 Resp: 18950
Ion Ratio Lower Upper
75 100
110 10.4 18.1 54.4#
77 0.1 25.3 37.9#



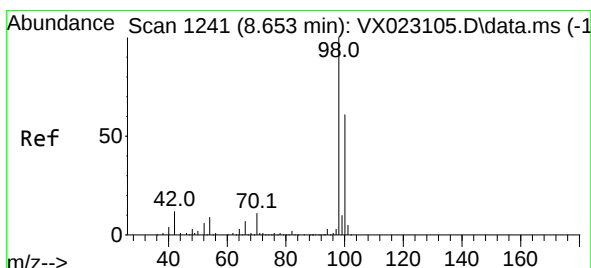
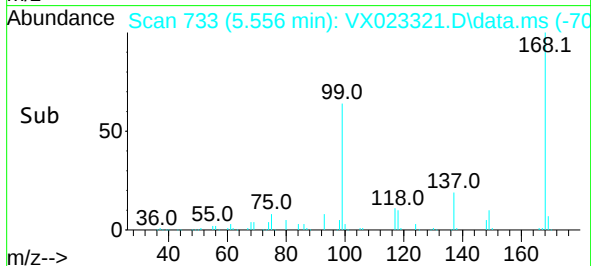
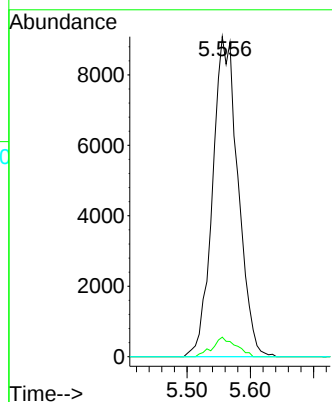


#38
Carbon Tetrachloride
Concen: 6.878 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

Instrument :
MSVOA_X
ClientSampleId :
NWB-1640

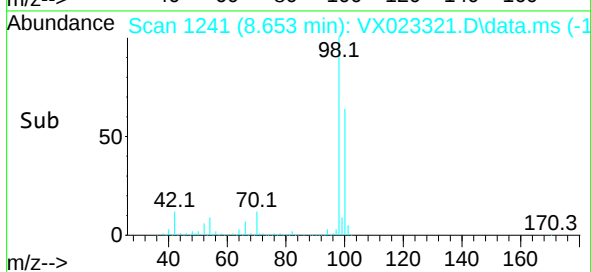
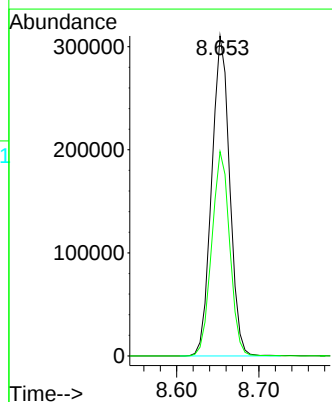
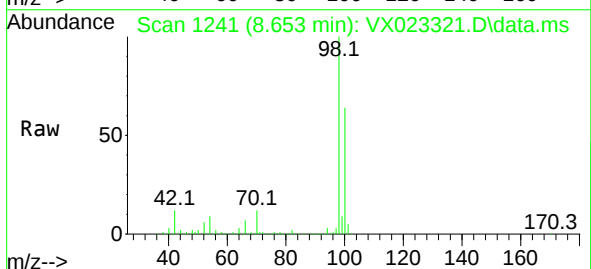


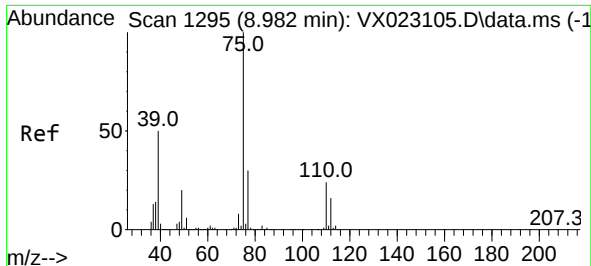
Tgt Ion:117 Resp: 25369
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.367 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

Tgt Ion: 98 Resp: 471327
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

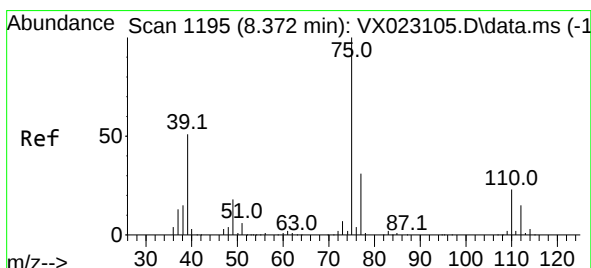
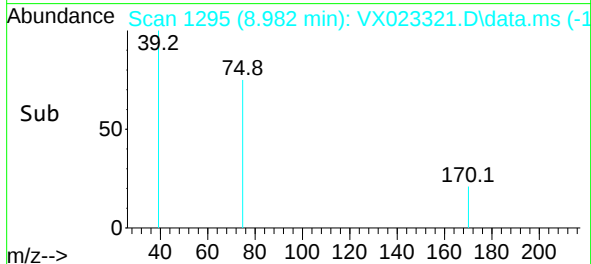
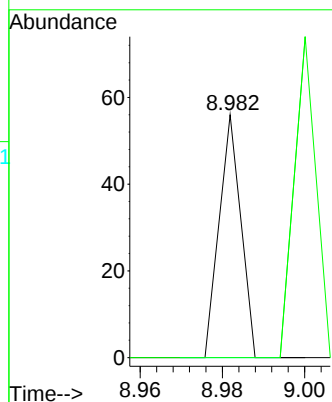
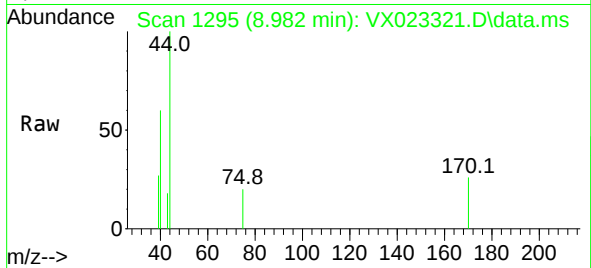




#53
 t-1,3-Dichloropropene
 Concen: 2.741 ug/l
 RT: 8.982 min Scan# 1295
 Delta R.T. -0.000 min
 Lab File: VX023321.D
 Acq: 16 Jul 2021 12:44

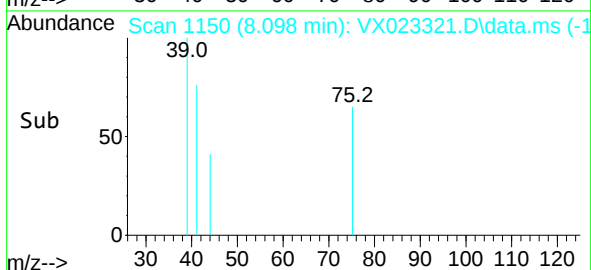
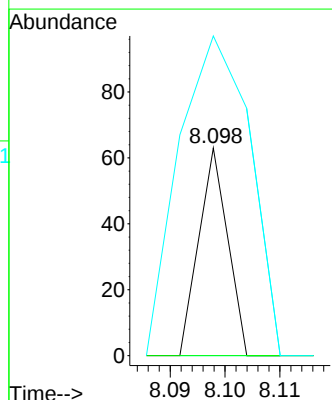
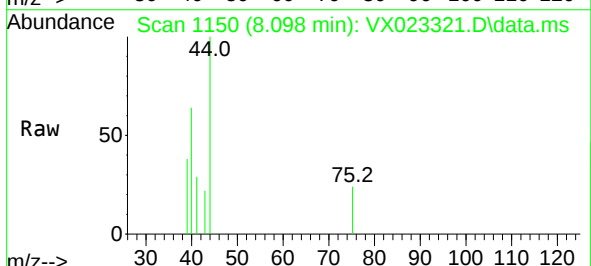
Instrument :
 MSVOA_X
 ClientSampleId :
 NWB-1640

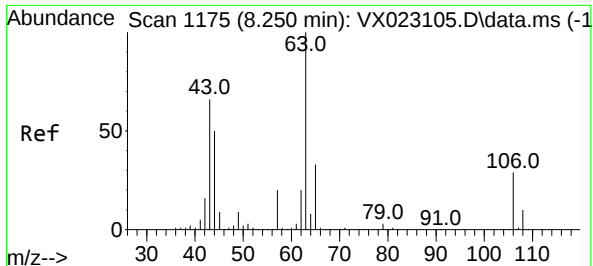
Tgt Ion: 75 Resp: 20
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#



#54
 cis-1,3-Dichloropropene
 Concen: 2.178 ug/l
 RT: 8.098 min Scan# 1150
 Delta R.T. -0.274 min
 Lab File: VX023321.D
 Acq: 16 Jul 2021 12:44

Tgt Ion: 75 Resp: 23
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#
 39 154.0 35.1 52.7#

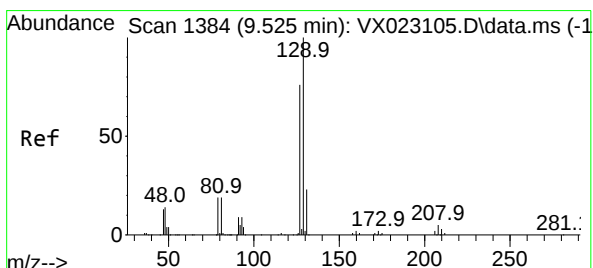
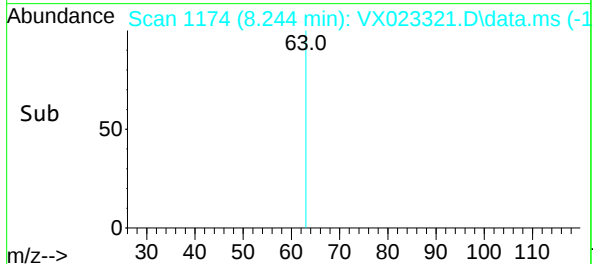
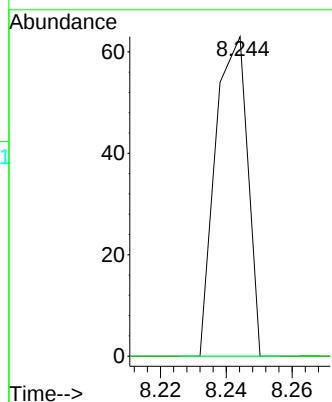
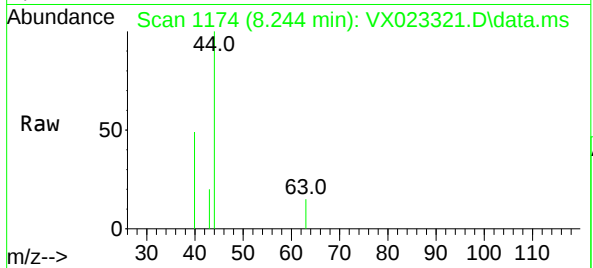




#58
2-Chloroethyl Vinyl ether
Concen: 4.708 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.006 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

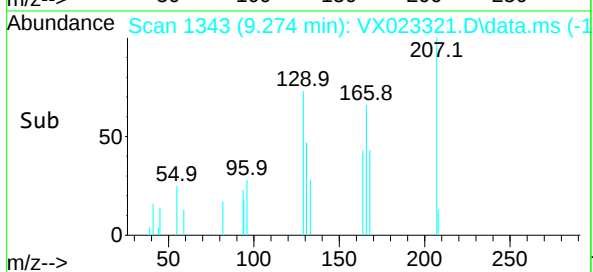
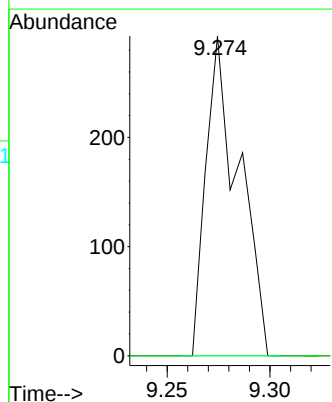
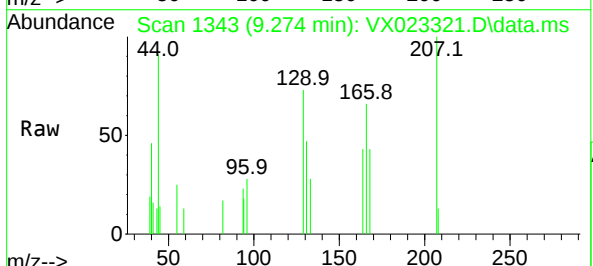
Instrument :
MSVOA_X
ClientSampleId :
NWB-1640

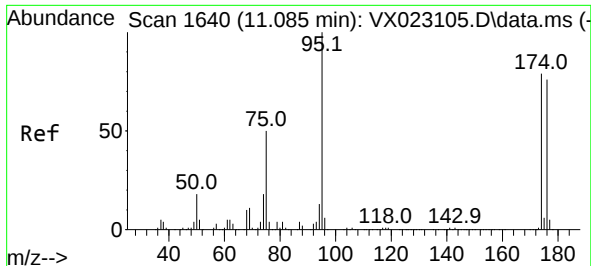
Tgt Ion: 63 Resp: 43
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#60
Dibromochloromethane
Concen: 3.211 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.251 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

Tgt Ion: 129 Resp: 328
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

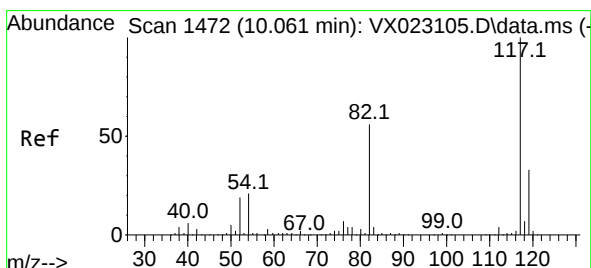
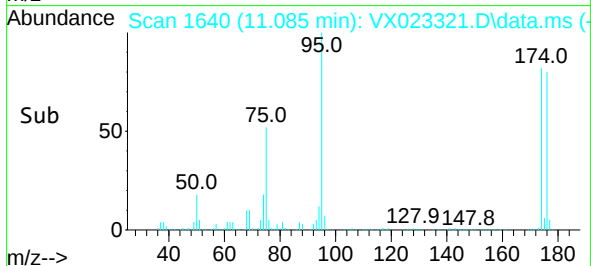
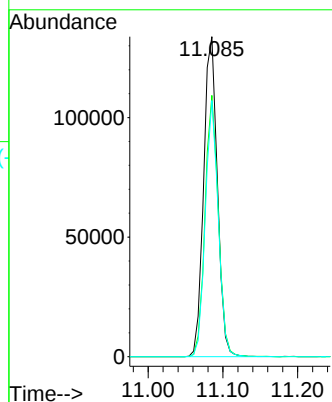
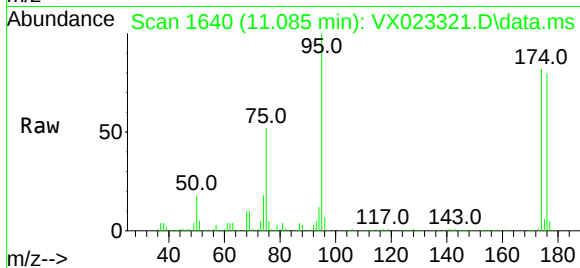




#62
4-Bromofluorobenzene
Concen: 46.345 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

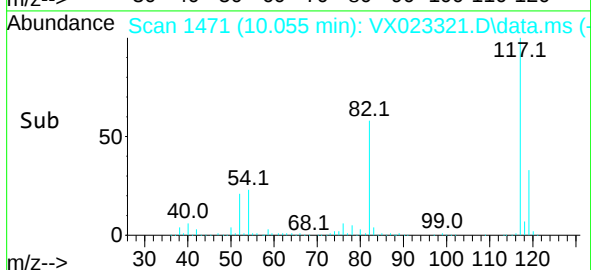
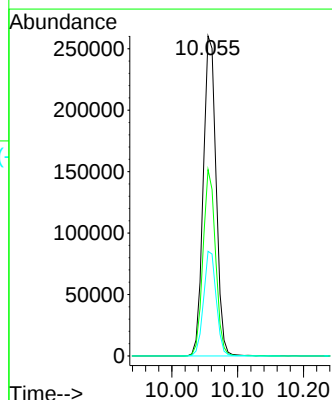
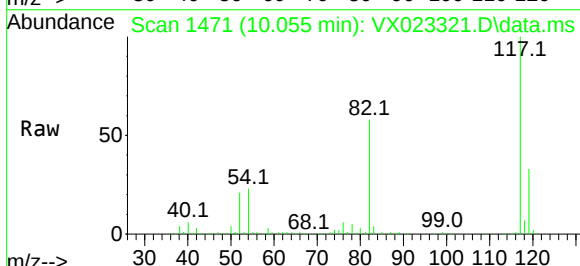
Instrument :
MSVOA_X
ClientSampleId :
NWB-1640

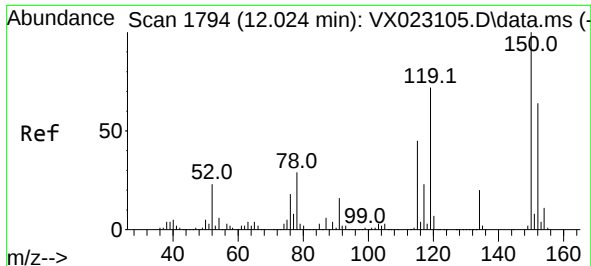
Tgt Ion: 95 Resp: 170820
Ion Ratio Lower Upper
95 100
174 78.8 0.0 154.6
176 75.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

Tgt Ion: 117 Resp: 353709
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 32.7 26.6 39.8

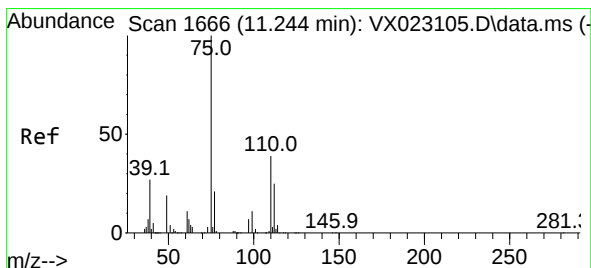
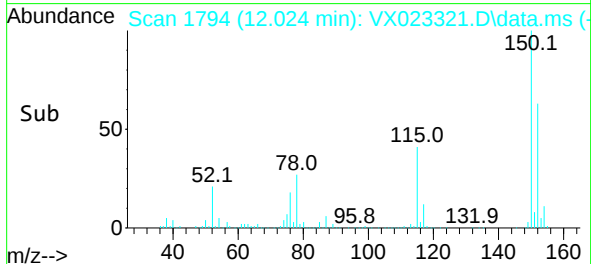
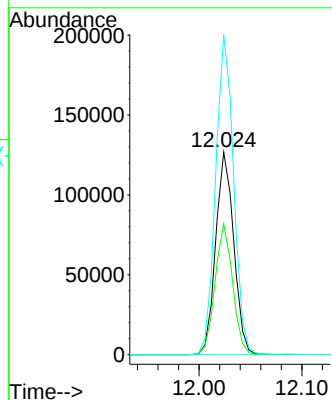
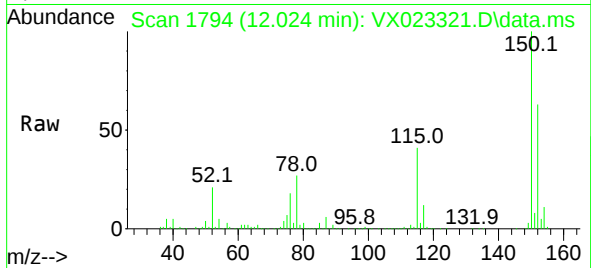




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: VX023321.D
 Acq: 16 Jul 2021 12:44

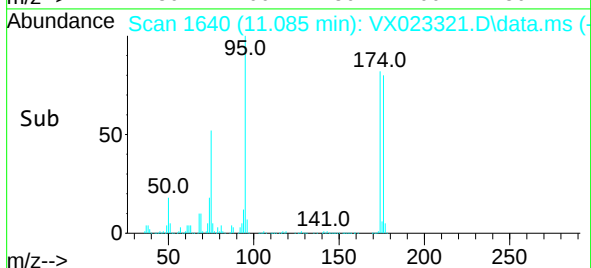
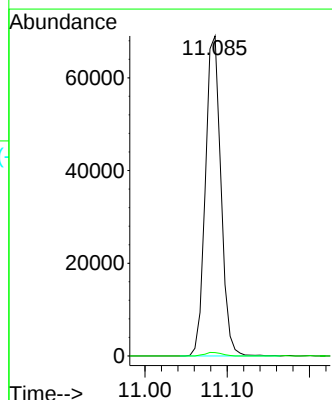
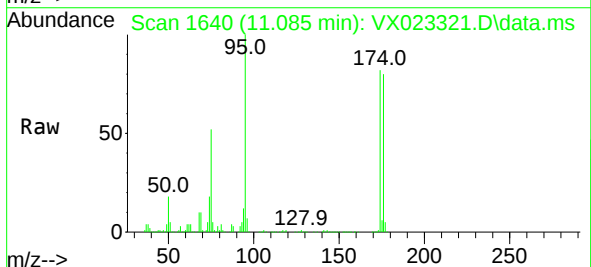
Instrument :
 MSVOA_X
 ClientSampled :
 NWB-1640

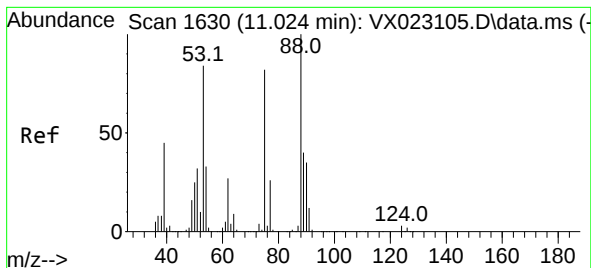
Tgt Ion:152 Resp: 154473
 Ion Ratio Lower Upper
 152 100
 115 62.7 41.1 123.3
 150 157.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.072 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023321.D
 Acq: 16 Jul 2021 12:44

Tgt Ion: 75 Resp: 90371
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

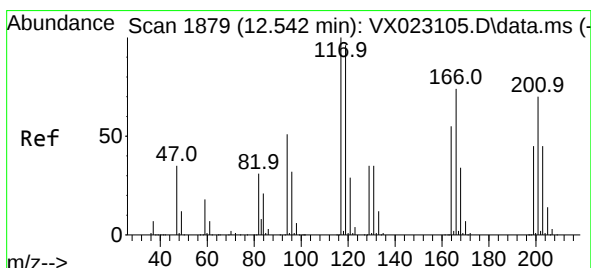
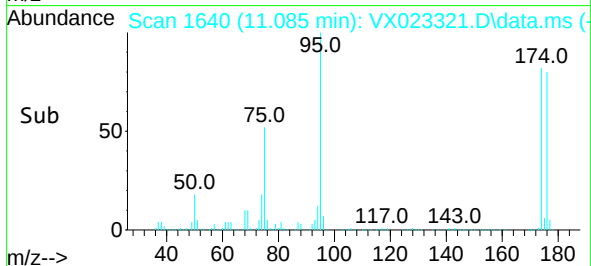
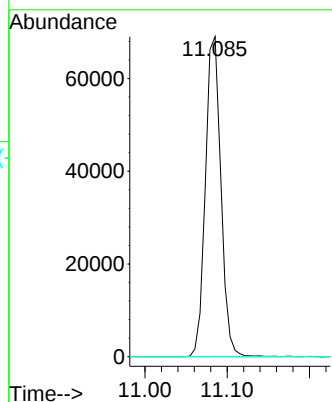
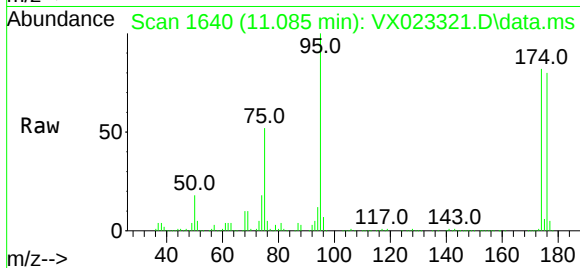




#81
trans-1,4-Dichloro-2-butene
Concen: 78.206 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

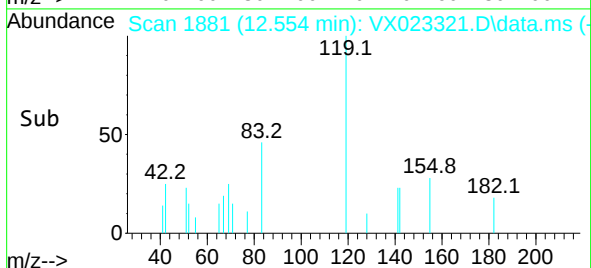
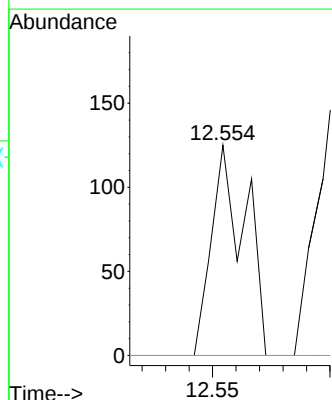
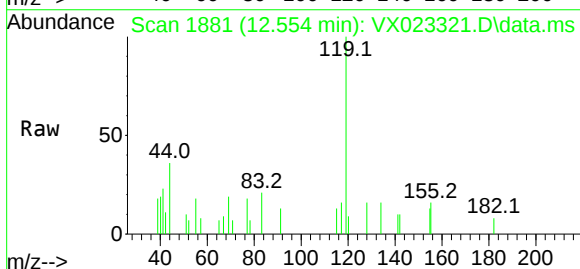
Instrument :
MSVOA_X
ClientSampleId :
NWB-1640

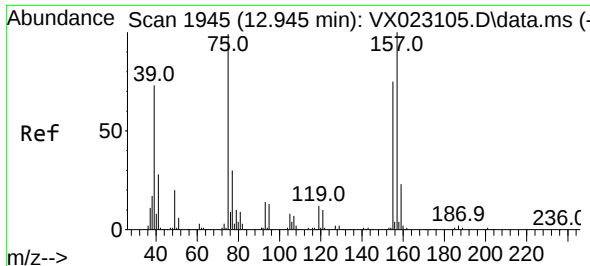
Tgt Ion: 75 Resp: 90371
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 3.067 ug/l
RT: 12.554 min Scan# 1881
Delta R.T. 0.012 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

Tgt Ion: 117 Resp: 125
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#

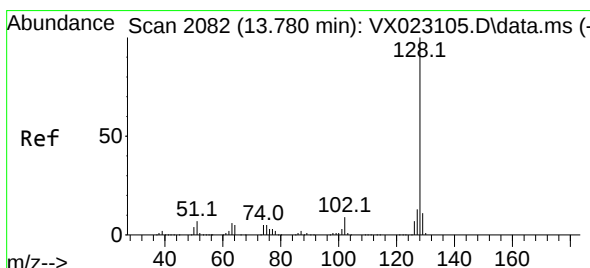
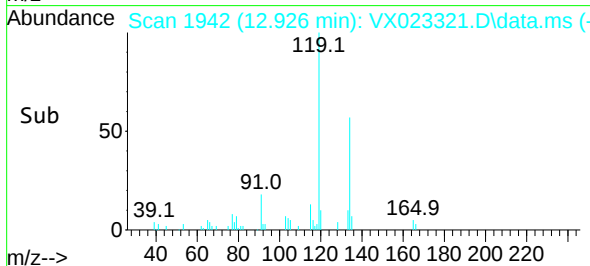
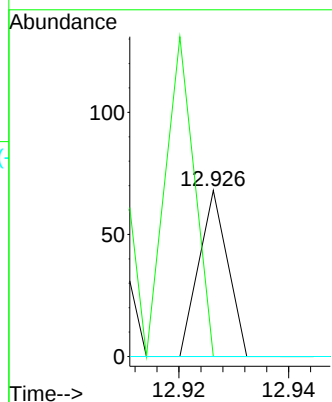
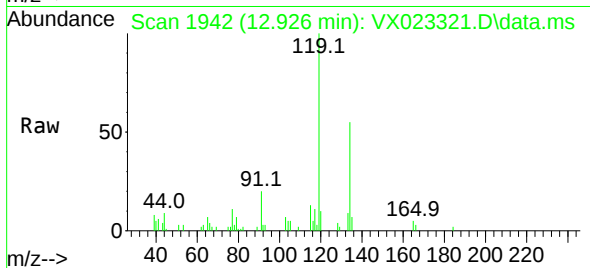




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.598 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. -0.019 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

Instrument :
MSVOA_X
ClientSampleId :
NWB-1640

Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#



#95
Naphthalene
Concen: 1.326 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023321.D
Acq: 16 Jul 2021 12:44

Tgt Ion: 128 Resp: 602
Ion Ratio Lower Upper
128 100
127 5.1 10.3 15.5#
129 61.0 8.8 13.2#

