

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071521\
 Data File : VX023305.D
 Acq On : 15 Jul 2021 17:35
 Operator : JC/MD
 Sample : M3026-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 16 03:53:25 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)

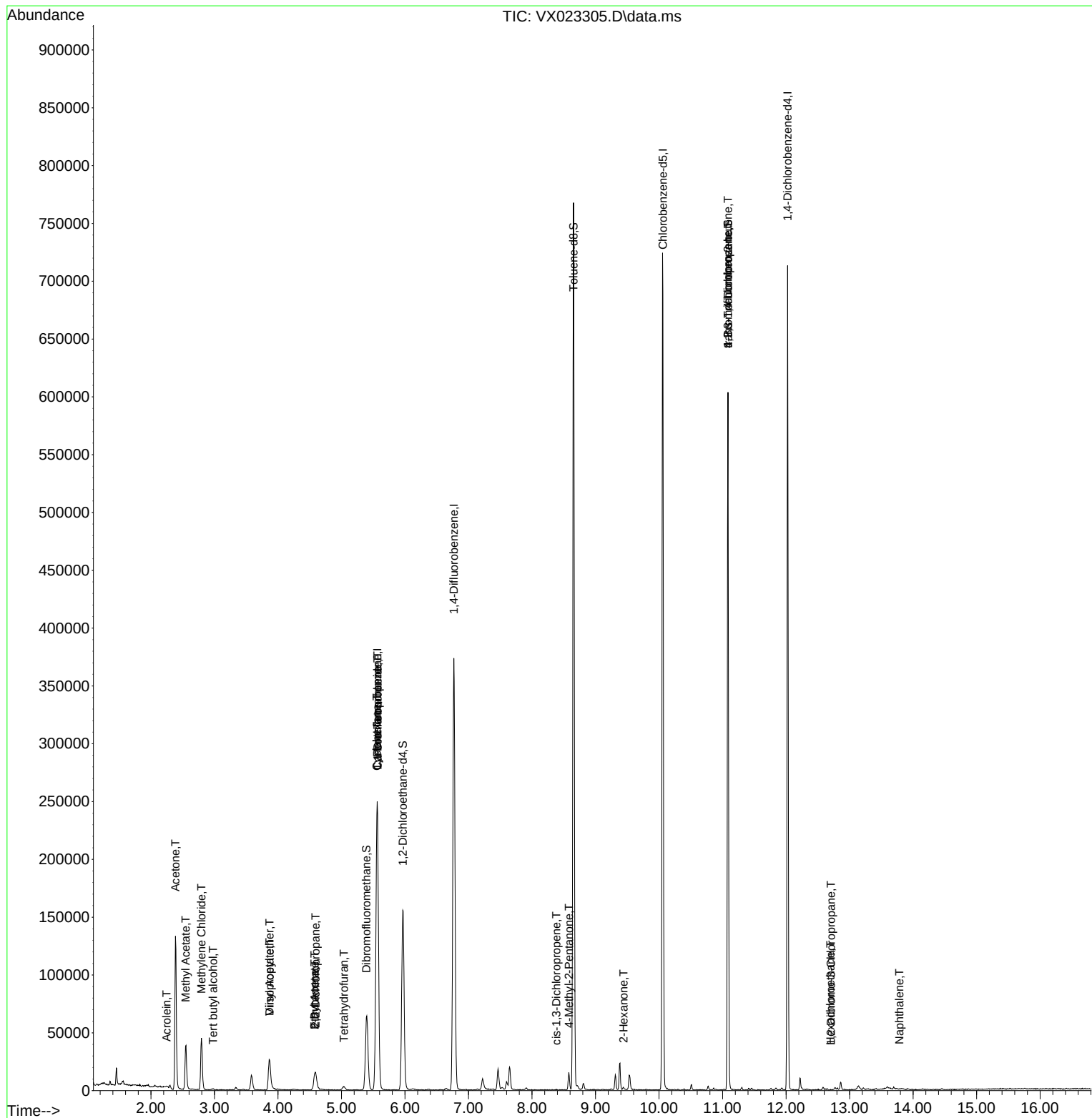
Internal Standards						
1) Pentafluorobenzene	5.562	168	229663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	374630	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	329889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	161346	52.272	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery	= 104.540%		
35) Dibromofluoromethane	5.391	113	56128	23.201	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 46.400%#		
50) Toluene-d8	8.653	98	441074	48.877	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery	= 97.760%		
62) 4-Bromofluorobenzene	11.085	95	156104	44.808	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 89.620%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	374	Below Cal	#	33
11) Tert butyl alcohol	2.977	59	871	1.341	ug/l #	73
13) Acrolein	2.245	56	124	0.287	ug/l #	14
16) Acetone	2.385	43	137297	112.430	ug/l	90
18) Methyl Acetate	2.544	43	11682	3.941	ug/l #	47
20) Methylene Chloride	2.794	84	20389	7.755	ug/l	91
22) Diisopropyl ether	3.867	45	1861	0.248	ug/l #	1
23) Vinyl Acetate	3.867	43	5063	0.798	ug/l #	68
25) 2-Butanone	4.574	43	9176	4.983	ug/l	91
26) 2,2-Dichloropropane	4.592	77	1005	0.283	ug/l #	52
29) Tetrahydrofuran	5.037	42	2703	2.283	ug/l #	81
31) Cyclohexane	5.556	56	4680	1.266	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	18324	5.487	ug/l #	49
37) Ethyl Acetate	4.574	43	9176	2.519	ug/l #	73
38) Carbon Tetrachloride	5.568	117	25357	7.274	ug/l #	15
51) 4-Methyl-2-Pentanone	8.579	43	8745	2.329	ug/l	89
54) cis-1,3-Dichloropropene	8.384	75	20	2.177	ug/l #	75
59) 2-Hexanone	9.439	43	1394	0.484	ug/l	73
76) 1,2,3-Trichloropropane	11.085	75	81013	29.151	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	81013	78.407	ug/l #	12
90) Hexachloroethane	12.701	117	219	3.136	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	12.707	75	41	2.622	ug/l #	1
95) Naphthalene	13.786	128	305	1.304	ug/l #	80

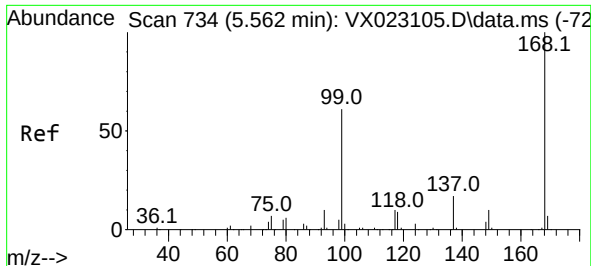
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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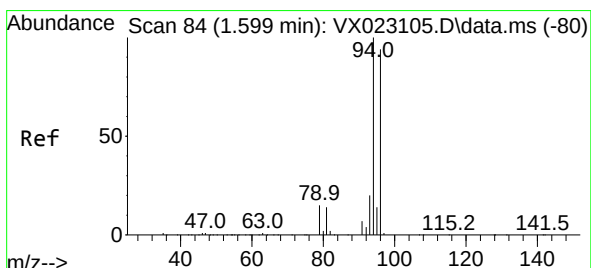
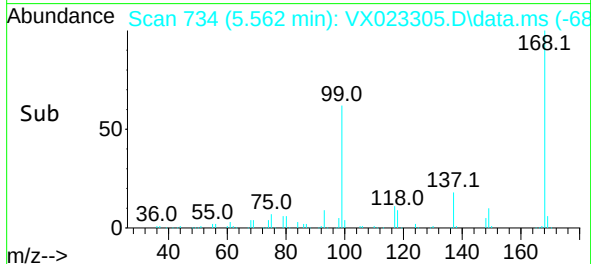
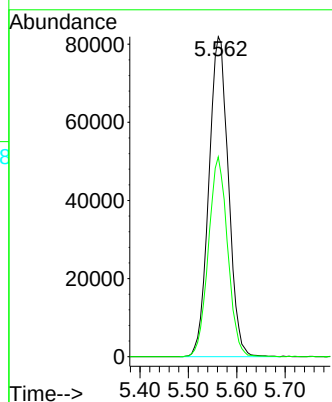
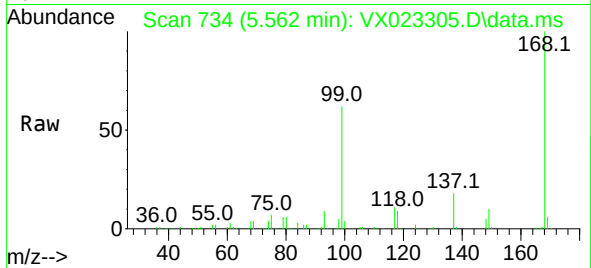




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

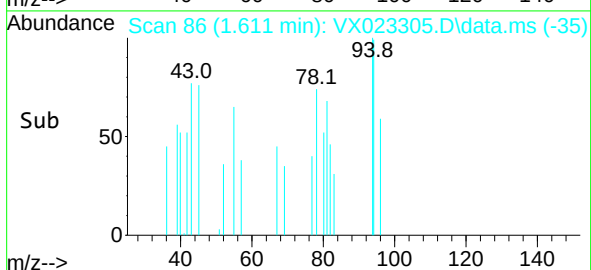
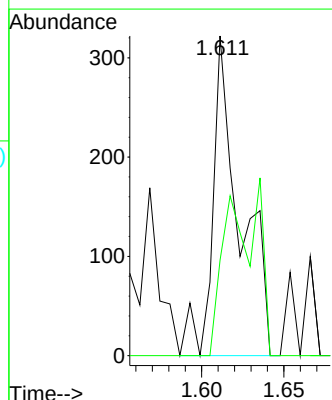
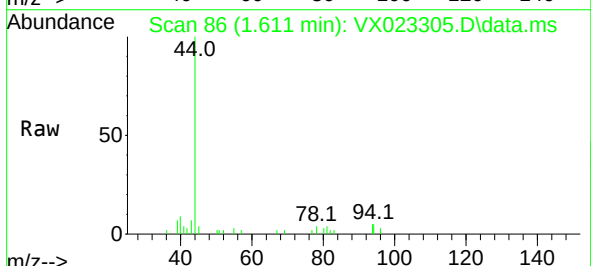
Instrument :
MSVOA_X
ClientSampled :

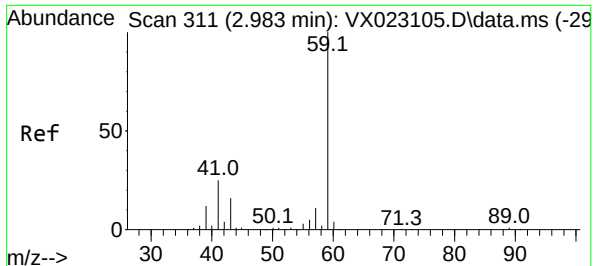
Tgt Ion:168 Resp: 229663
Ion Ratio Lower Upper
168 100
99 62.4 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

Tgt Ion: 94 Resp: 374
Ion Ratio Lower Upper
94 100
96 29.8 76.4 114.6#



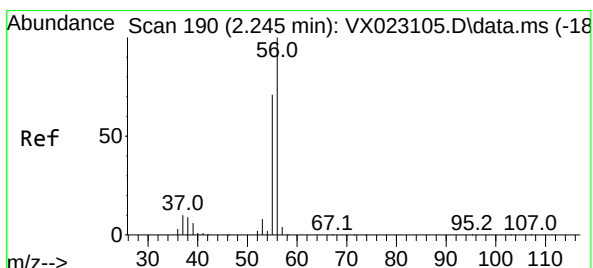
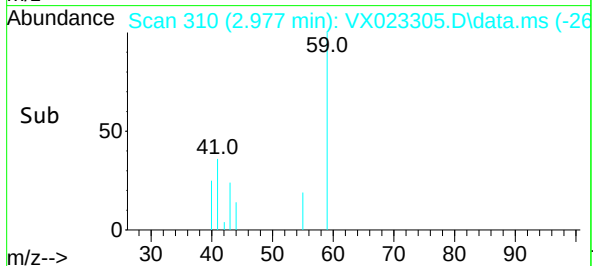
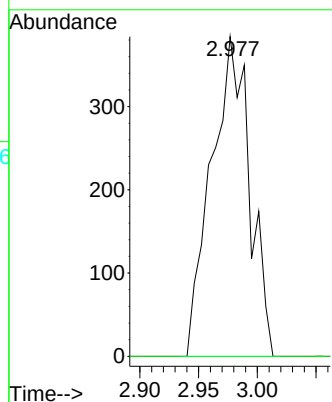
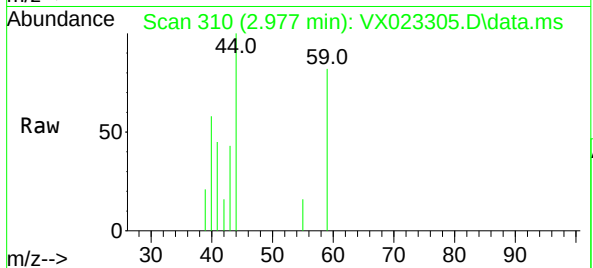


#11

Tert butyl alcohol
Concen: 1.341 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

Instrument :
MSVOA_X
ClientSampled :

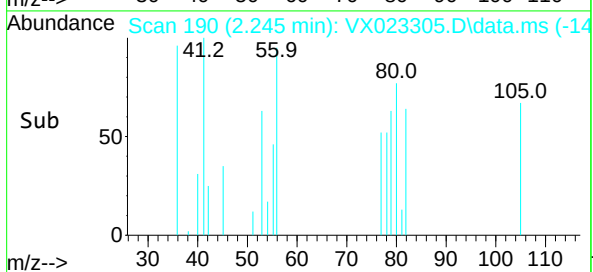
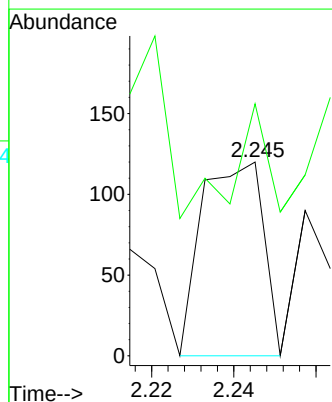
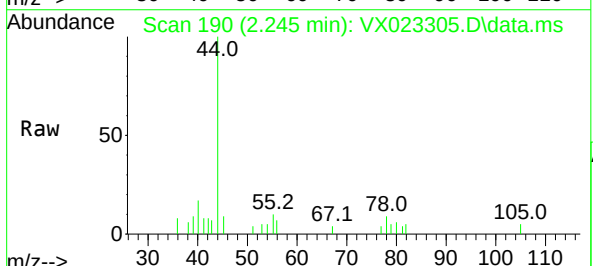
Tgt Ion: 59 Resp: 871
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

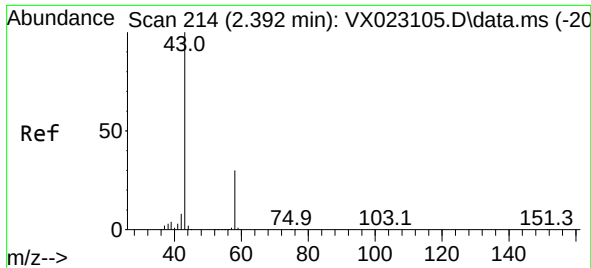


#13

Acrolein
Concen: 0.287 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.000 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

Tgt Ion: 56 Resp: 124
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

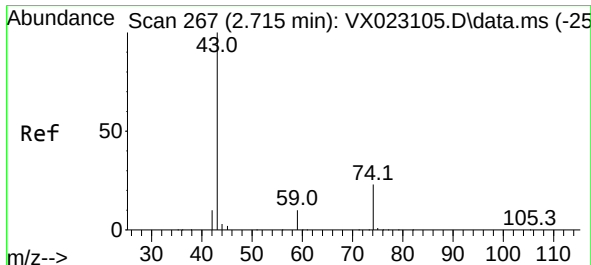
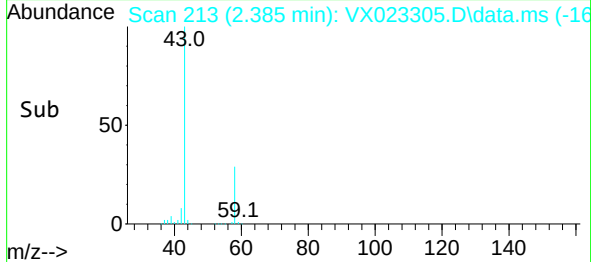
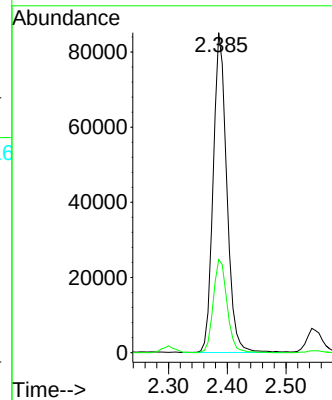
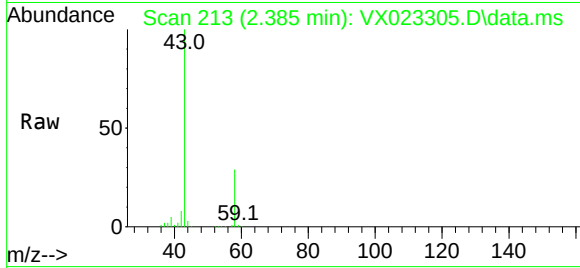




#16
Acetone
Concen: 112.430 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

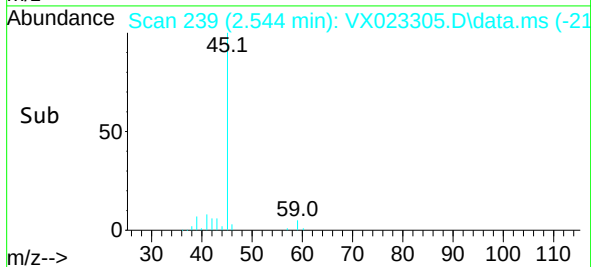
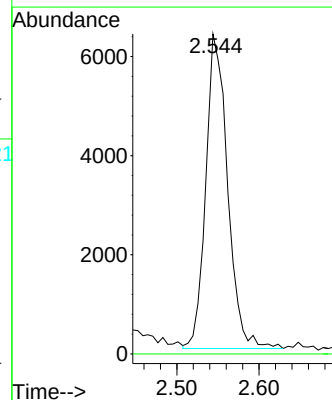
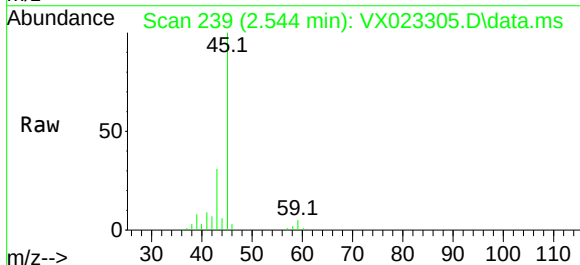
Instrument :
MSVOA_X
ClientSampled :

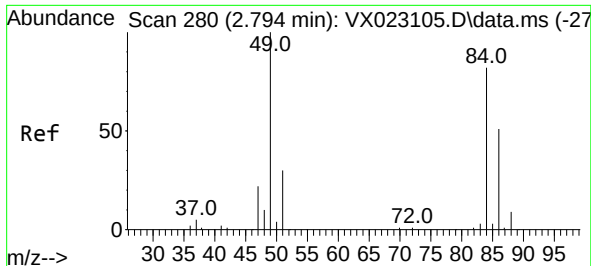
Tgt Ion: 43 Resp: 137297
Ion Ratio Lower Upper
43 100
58 29.1 27.8 41.8



#18
Methyl Acetate
Concen: 3.941 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.171 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

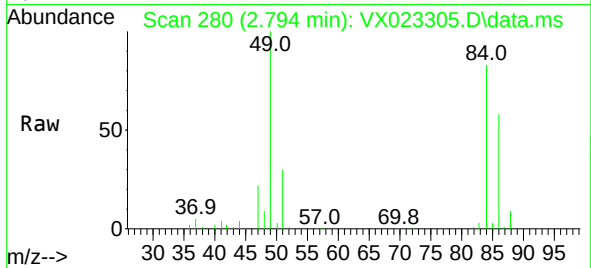
Tgt Ion: 43 Resp: 11682
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



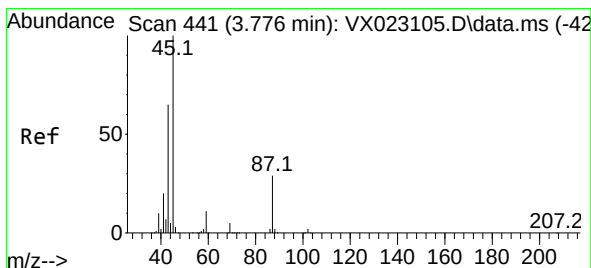
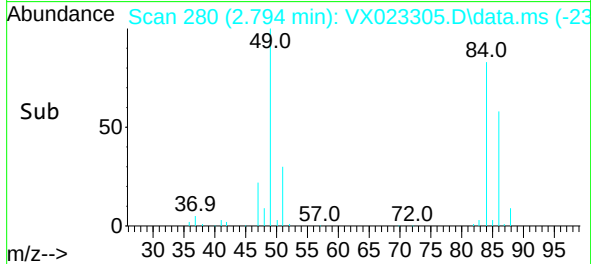
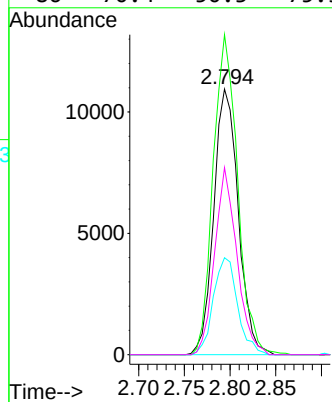


#20
Methylene Chloride
Concen: 7.755 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

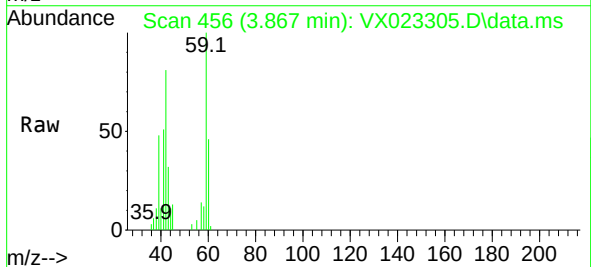
Instrument :
MSVOA_X
ClientSampled :



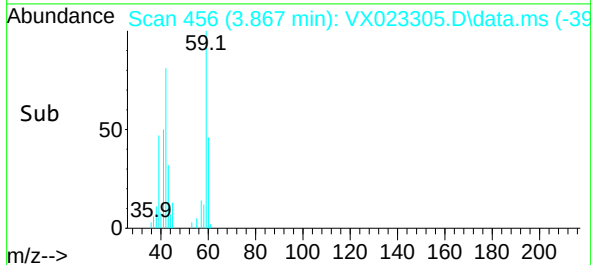
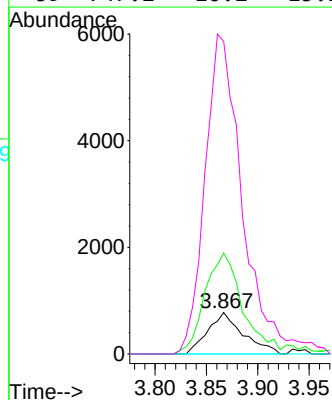
Tgt Ion:	84	Resp:	20389
Ion	Ratio	Lower	Upper
84	100		
49	120.5	88.6	132.8
51	36.5	27.0	40.6
86	70.4	50.3	75.5

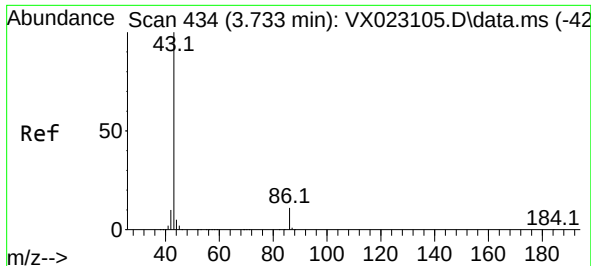


#22
Diisopropyl ether
Concen: 0.248 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.091 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35



Tgt Ion:	45	Resp:	1861
Ion	Ratio	Lower	Upper
45	100		
43	234.7	58.0	87.0#
87	0.0	25.4	38.0#
59	747.2	10.2	15.2#

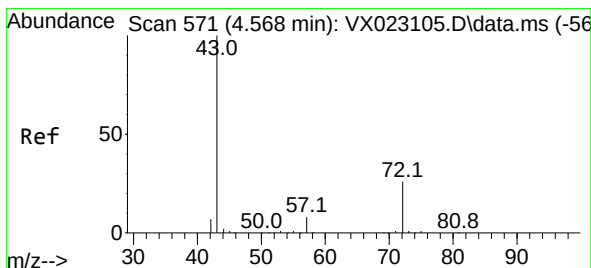
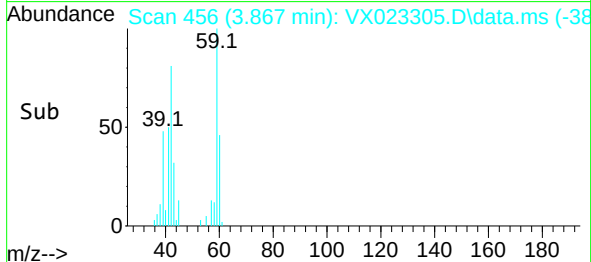
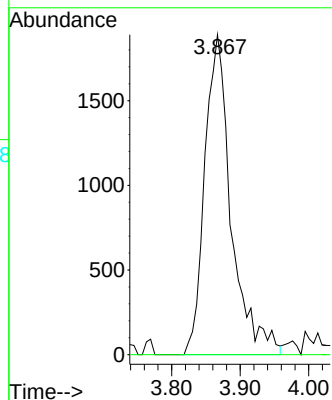
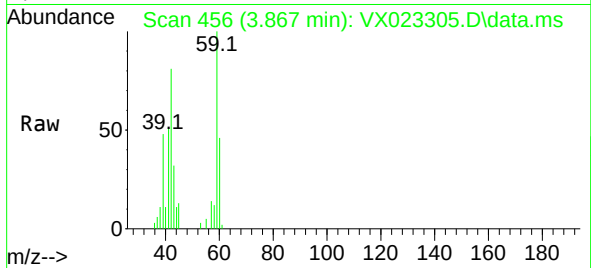




#23
 Vinyl Acetate
 Concen: 0.798 ug/l
 RT: 3.867 min Scan# 456
 Delta R.T. 0.134 min
 Lab File: VX023305.D
 Acq: 15 Jul 2021 17:35

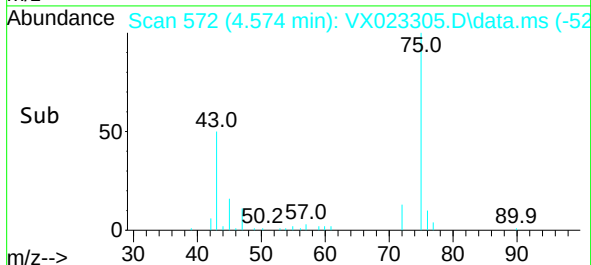
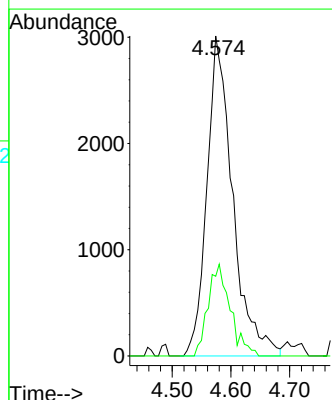
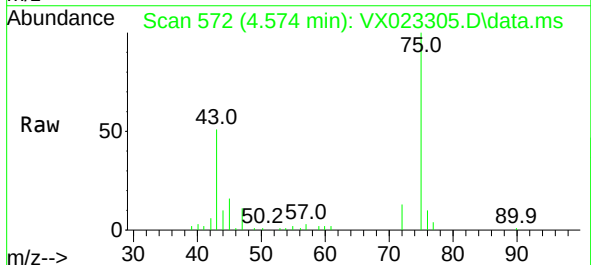
Instrument :
 MSVOA_X
 ClientSampleId :

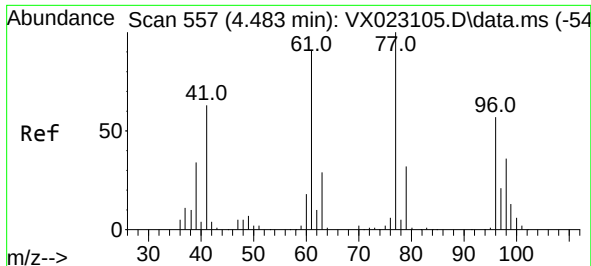
Tgt Ion: 43 Resp: 5063
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#25
 2-Butanone
 Concen: 4.983 ug/l
 RT: 4.574 min Scan# 572
 Delta R.T. 0.006 min
 Lab File: VX023305.D
 Acq: 15 Jul 2021 17:35

Tgt Ion: 43 Resp: 9176
 Ion Ratio Lower Upper
 43 100
 72 24.9 23.7 35.5

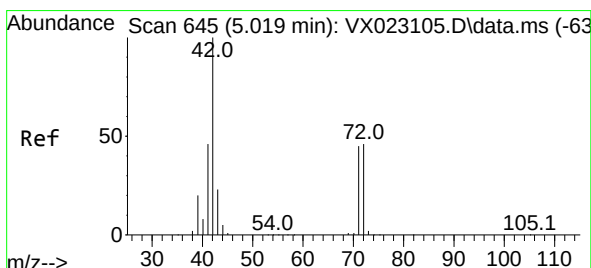
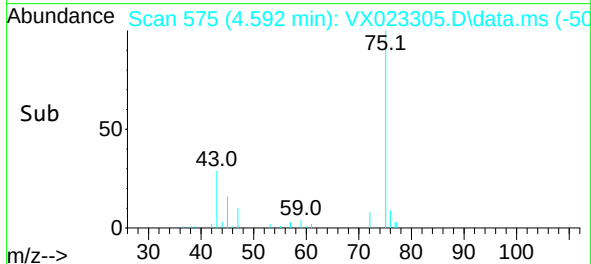
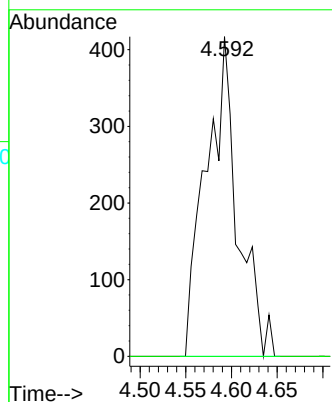
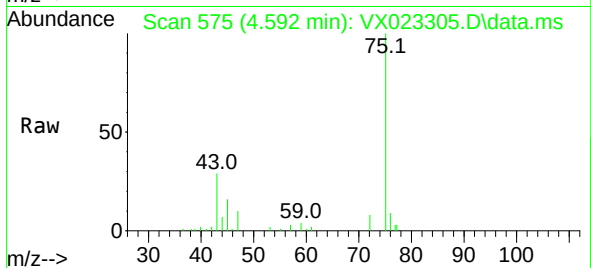




#26
2,2-Dichloropropane
Concen: 0.283 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.109 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

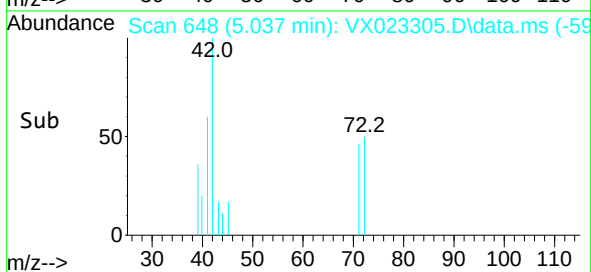
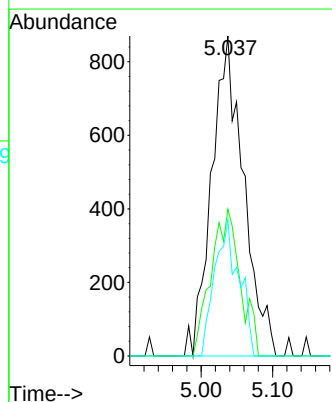
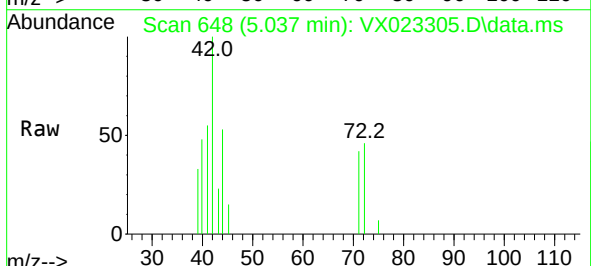
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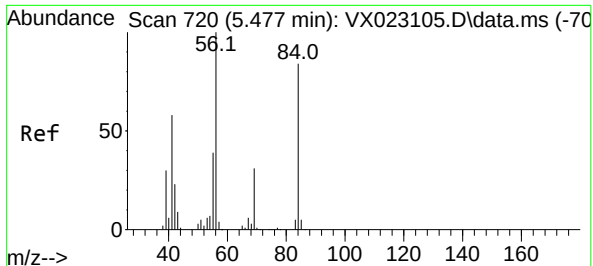
Tgt Ion: 77 Resp: 1005
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



#29
Tetrahydrofuran
Concen: 2.283 ug/l
RT: 5.037 min Scan# 648
Delta R.T. 0.018 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

Tgt Ion: 42 Resp: 2703
Ion Ratio Lower Upper
42 100
72 41.8 41.7 62.5
71 32.2 38.4 57.6#

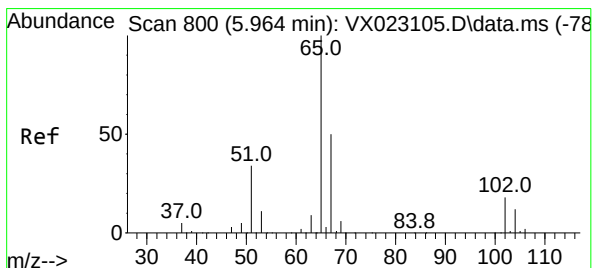
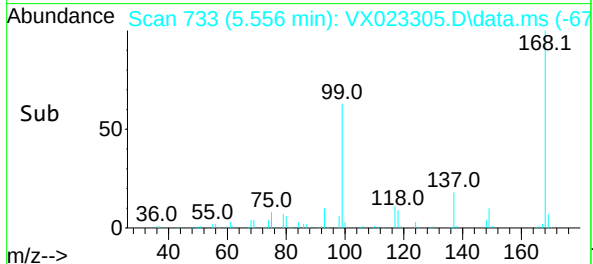
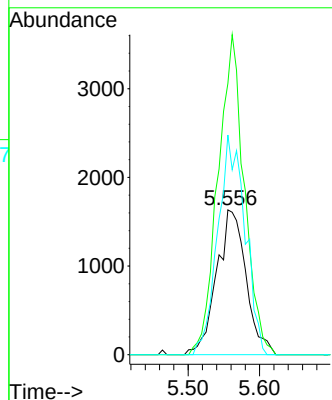
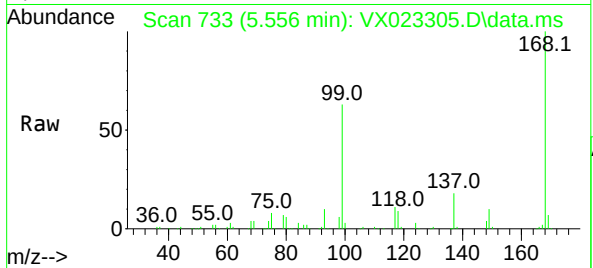




#31
Cyclohexane
Concen: 1.266 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

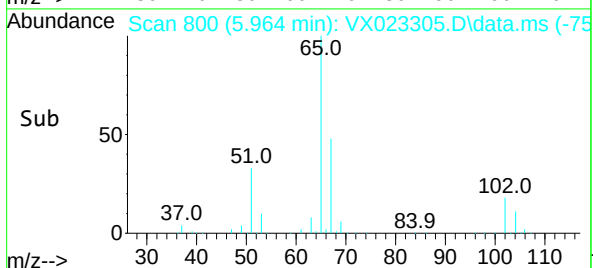
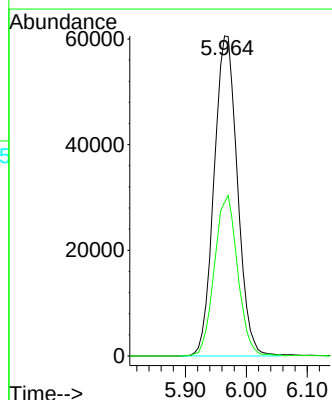
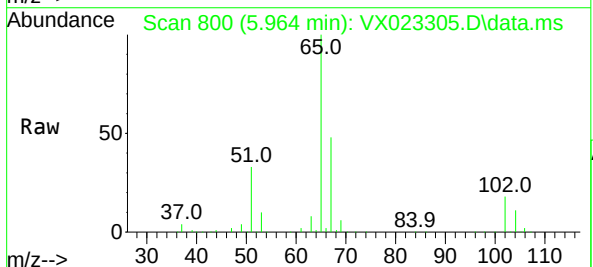
Instrument :
MSVOA_X
ClientSampleId :

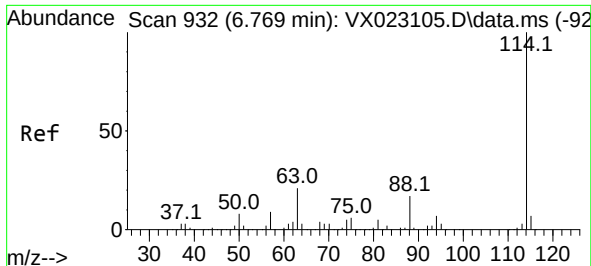
Tgt Ion: 56 Resp: 4680
Ion Ratio Lower Upper
56 100
69 187.2 25.3 37.9#
84 151.7 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.272 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

Tgt Ion: 65 Resp: 161346
Ion Ratio Lower Upper
65 100
67 49.9 0.0 105.4

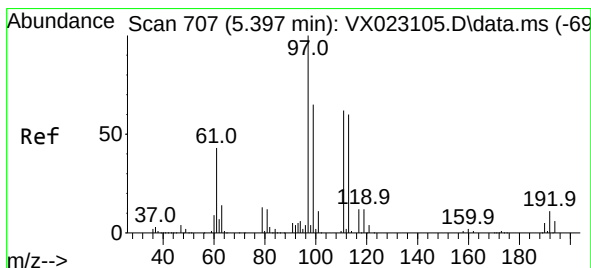
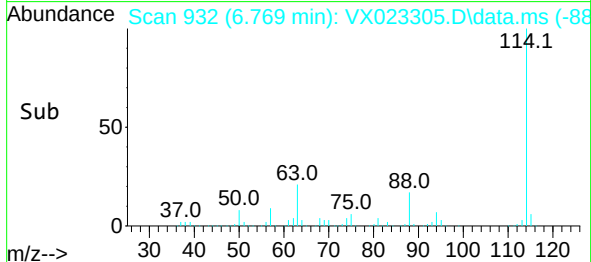
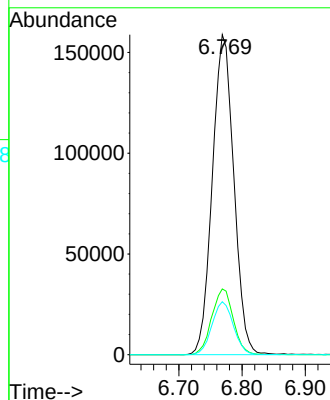
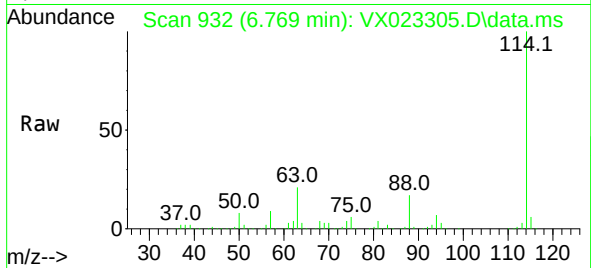




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

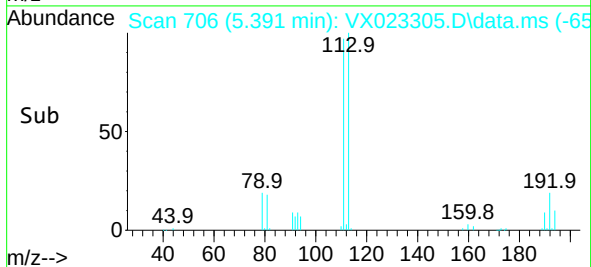
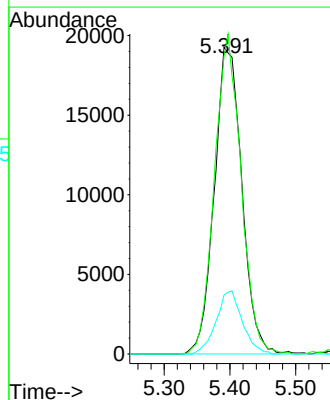
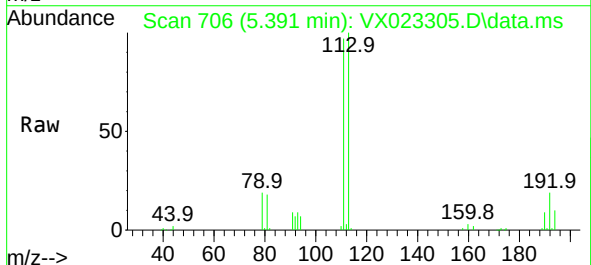
Instrument :
MSVOA_X
ClientSampled :

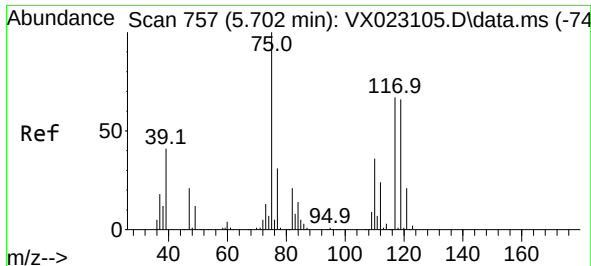
Tgt Ion:114 Resp: 374630
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 23.201 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

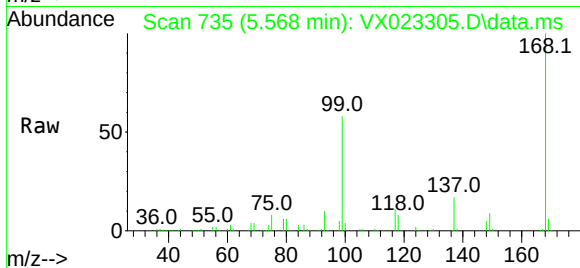
Tgt Ion:113 Resp: 56128
Ion Ratio Lower Upper
113 100
111 100.8 81.9 122.9
192 19.5 16.7 25.1



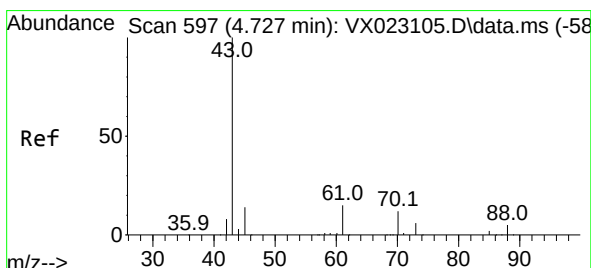
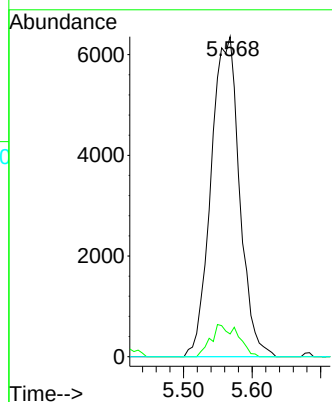
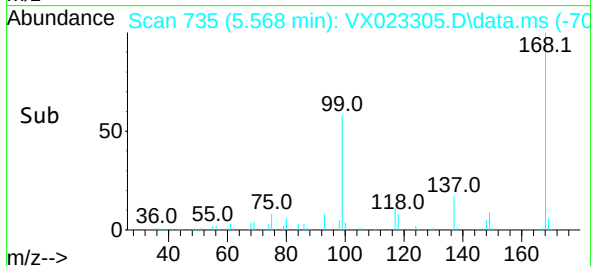


#36
1,1-Dichloropropene
Concen: 5.487 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

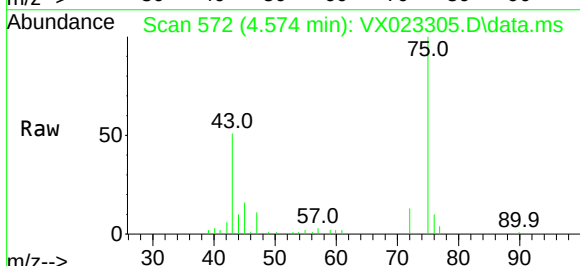
Instrument :
MSVOA_X
ClientSampled :



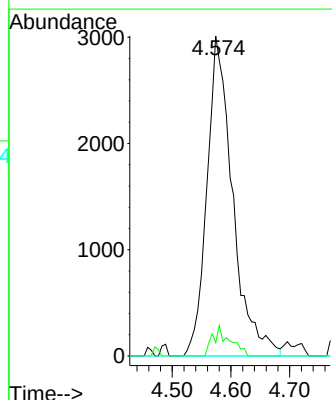
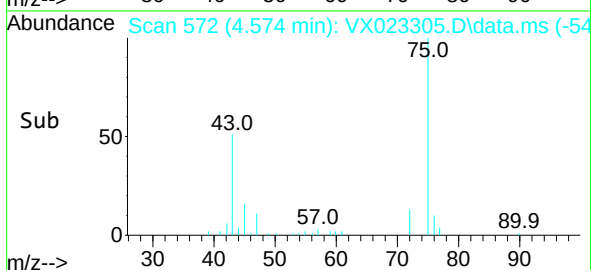
Tgt Ion: 75 Resp: 18324
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.0 25.3 37.9#

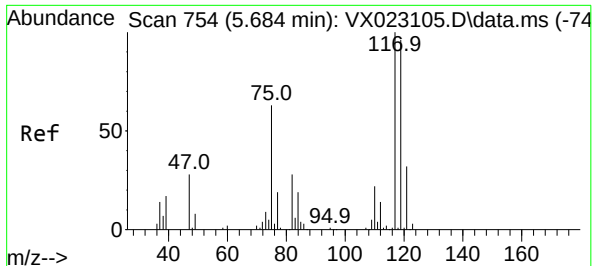


#37
Ethyl Acetate
Concen: 2.519 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.153 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35



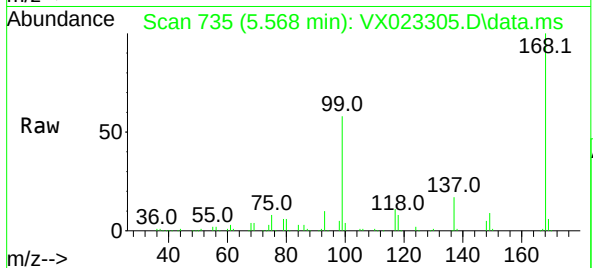
Tgt Ion: 43 Resp: 9176
Ion Ratio Lower Upper
43 100
61 6.3 12.8 19.2#
70 0.0 10.5 15.7#



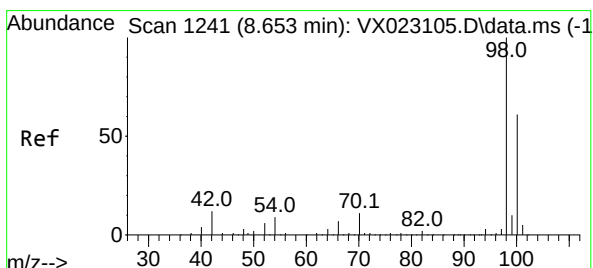
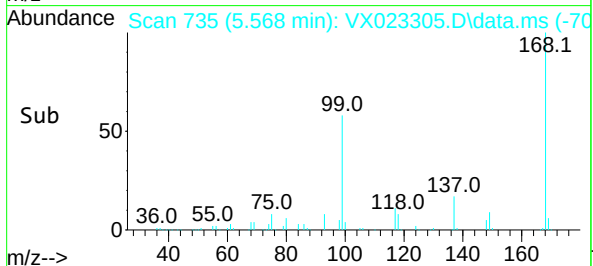
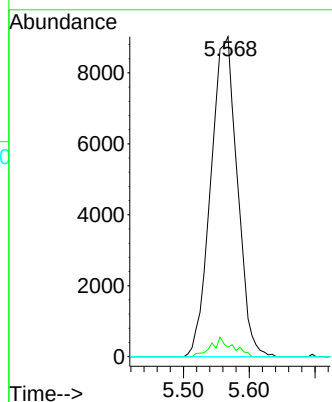


#38
Carbon Tetrachloride
Concen: 7.274 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

Instrument :
MSVOA_X
ClientSampled :

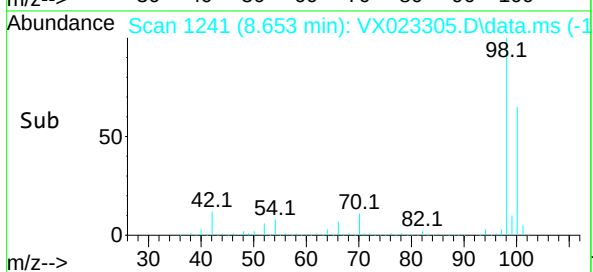
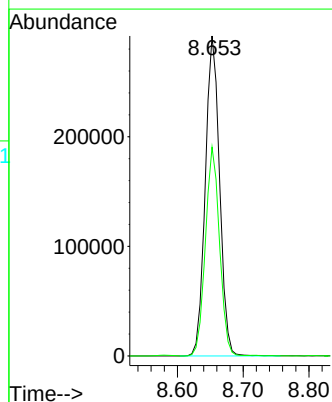
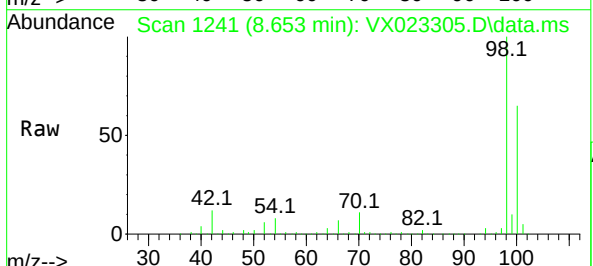


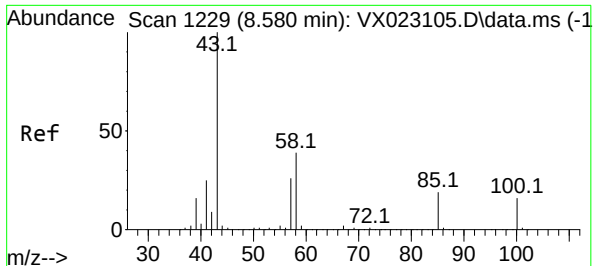
Tgt Ion:117 Resp: 25357
Ion Ratio Lower Upper
117 100
119 2.9 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.877 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

Tgt Ion: 98 Resp: 441074
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9

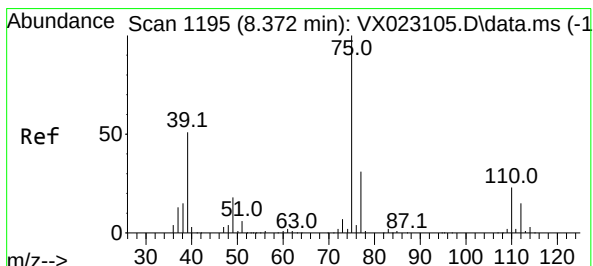
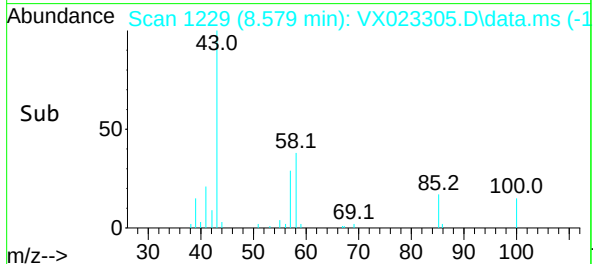
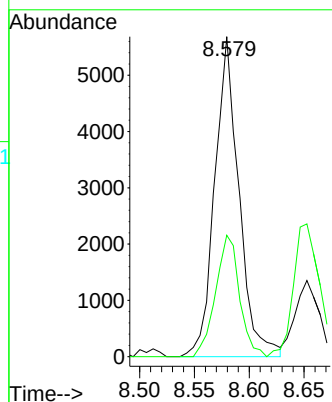
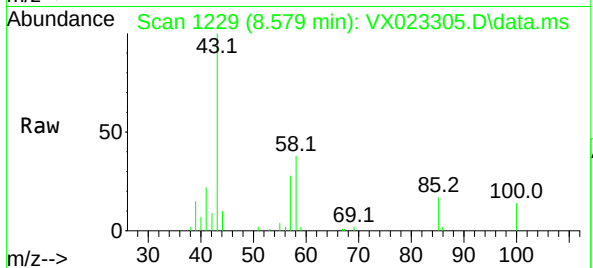




#51
4-Methyl-2-Pentanone
Concen: 2.329 ug/l
RT: 8.579 min Scan# 1229
Delta R.T. -0.001 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

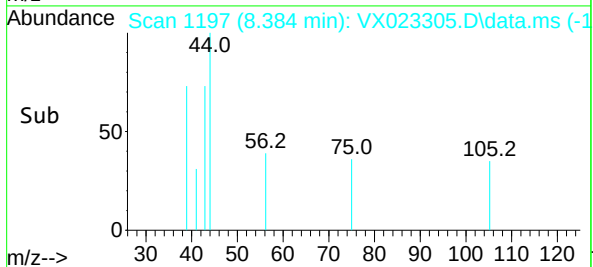
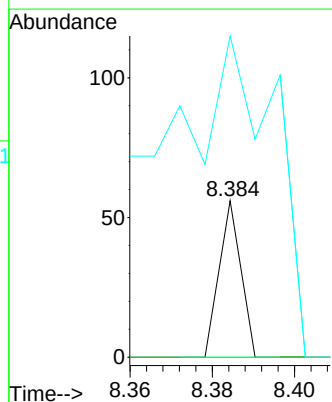
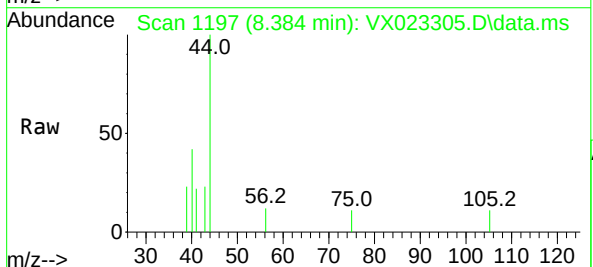
Instrument :
MSVOA_X
ClientSampled :

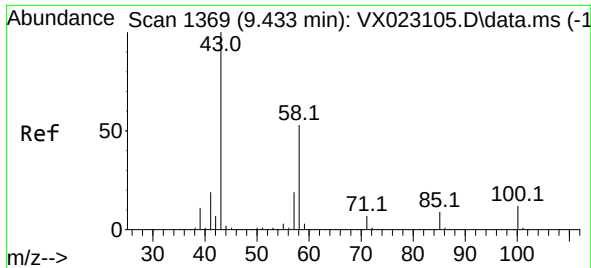
Tgt Ion: 43 Resp: 8745
Ion Ratio Lower Upper
43 100
58 37.4 35.4 53.0



#54
cis-1,3-Dichloropropene
Concen: 2.177 ug/l
RT: 8.384 min Scan# 1197
Delta R.T. 0.012 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 44.6 35.1 52.7

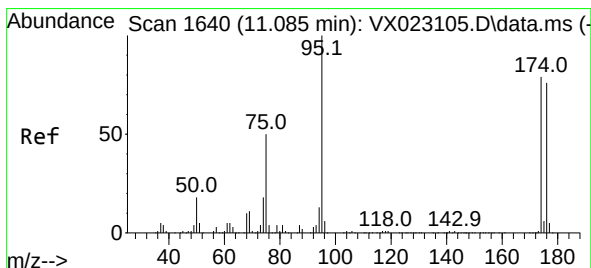
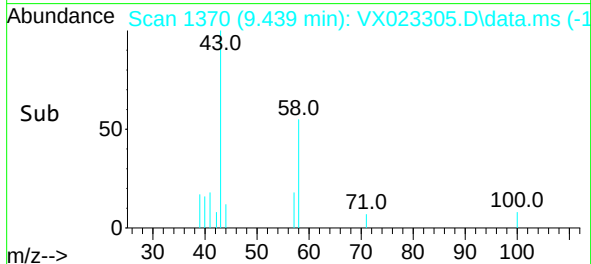
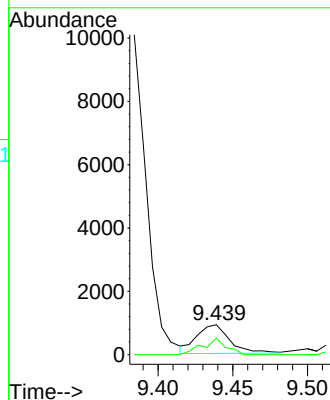
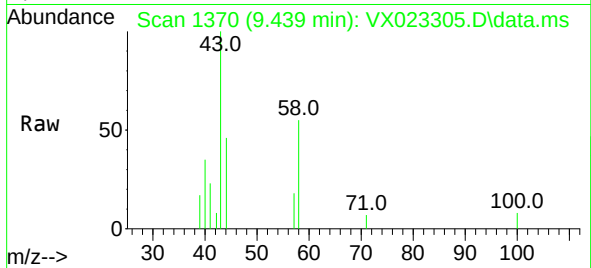




#59
2-Hexanone
Concen: 0.484 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

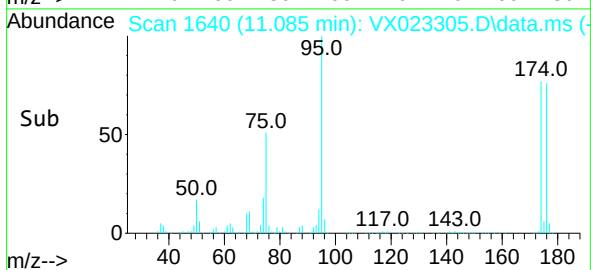
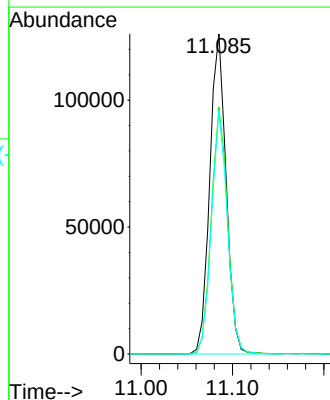
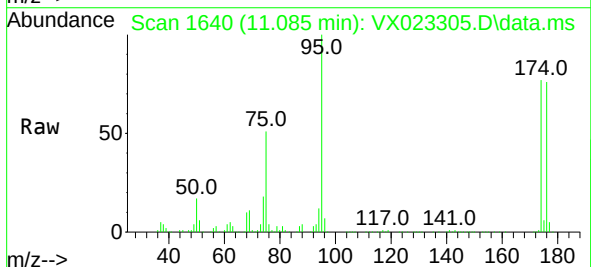
Instrument :
MSVOA_X
ClientSampled :

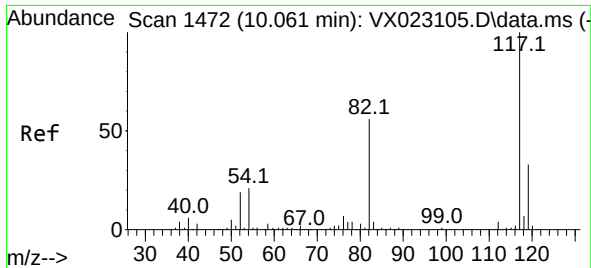
Tgt Ion: 43 Resp: 1394
Ion Ratio Lower Upper
43 100
58 40.9 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 44.808 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

Tgt Ion: 95 Resp: 156104
Ion Ratio Lower Upper
95 100
174 77.5 0.0 154.6
176 74.0 0.0 155.8

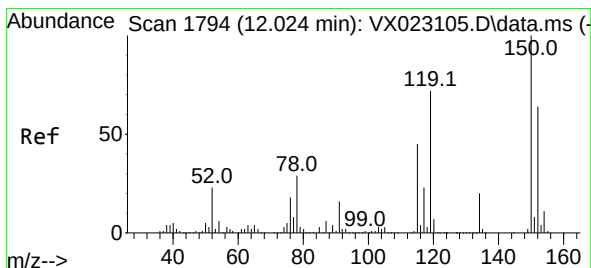
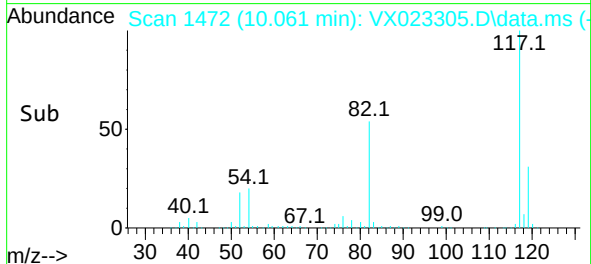
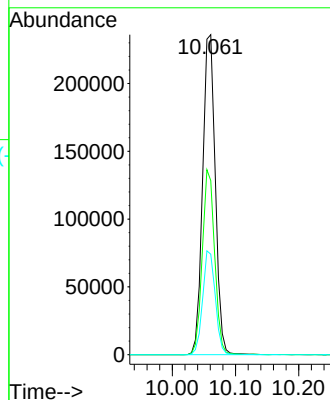
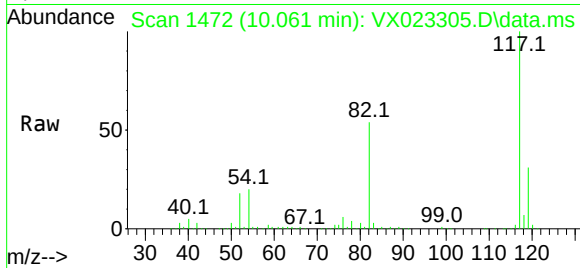




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

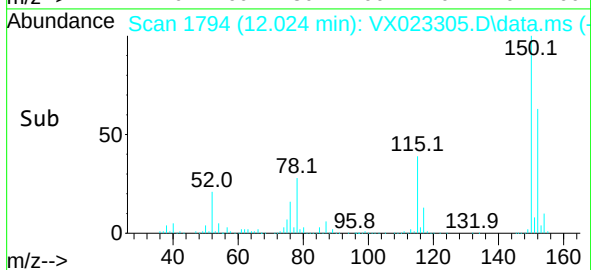
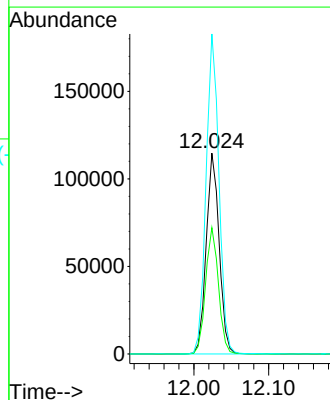
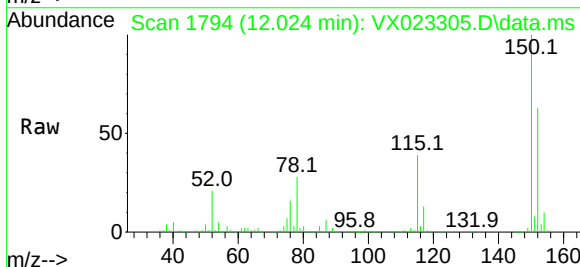
Instrument :
MSVOA_X
ClientSampled :

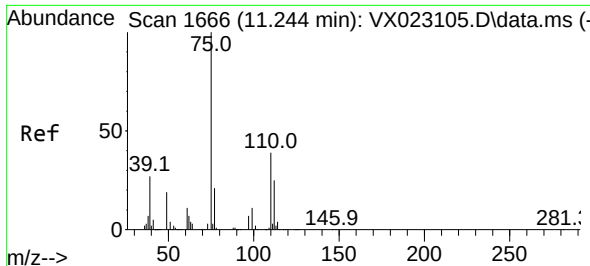
Tgt Ion:117 Resp: 329889
Ion Ratio Lower Upper
117 100
82 54.4 47.4 71.2
119 31.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

Tgt Ion:152 Resp: 138100
Ion Ratio Lower Upper
152 100
115 62.4 41.1 123.3
150 158.0 0.0 349.0

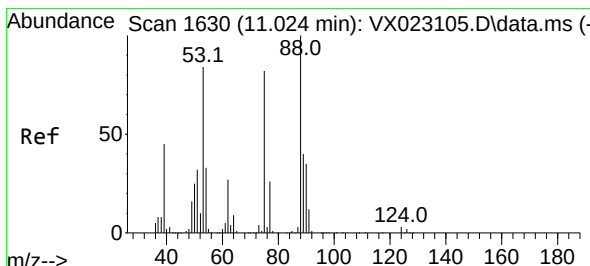
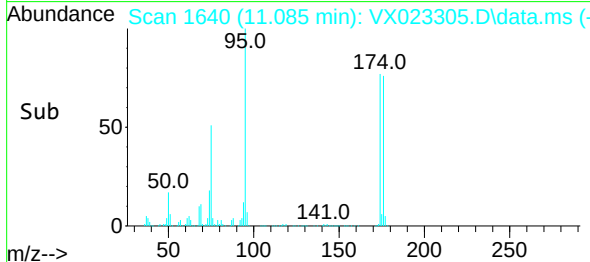
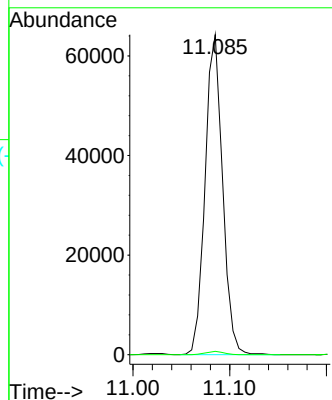
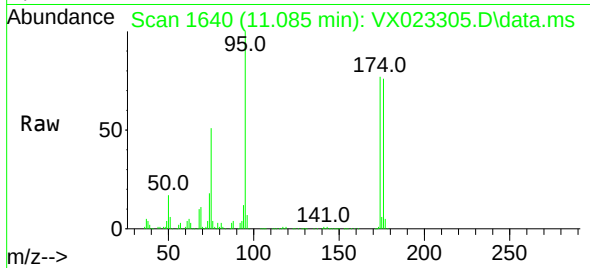




#76
1,2,3-Trichloropropane
Concen: 29.151 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

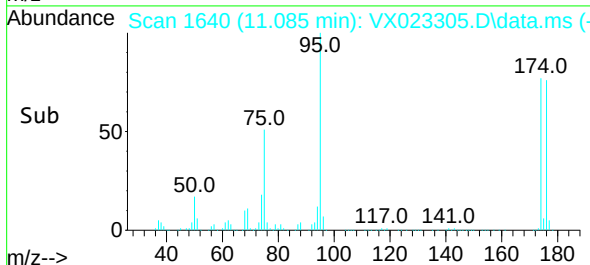
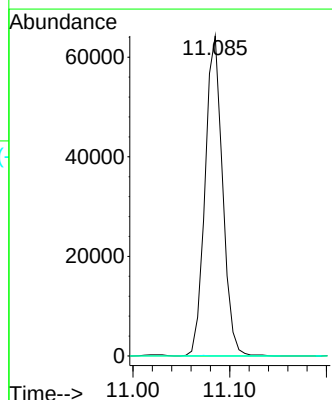
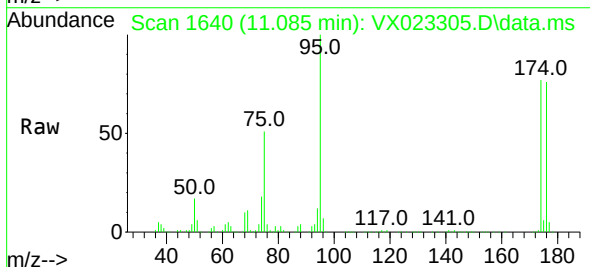
Instrument :
MSVOA_X
ClientSampled :

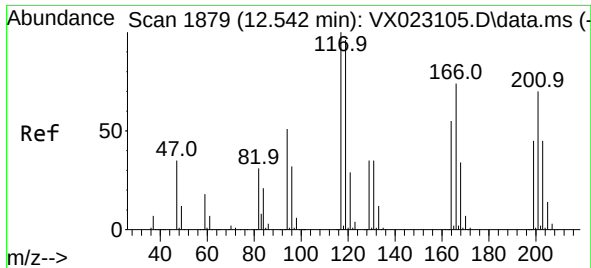
Tgt Ion: 75 Resp: 81013
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.407 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

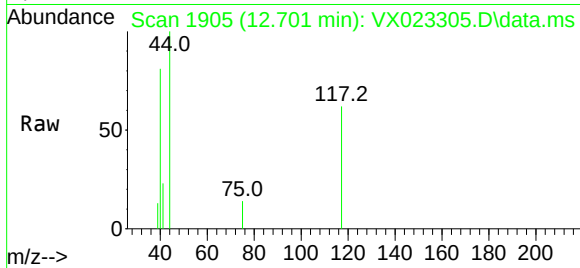
Tgt Ion: 75 Resp: 81013
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



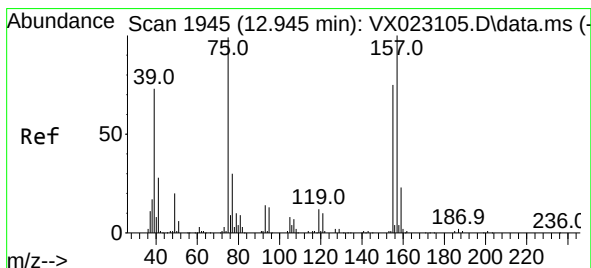
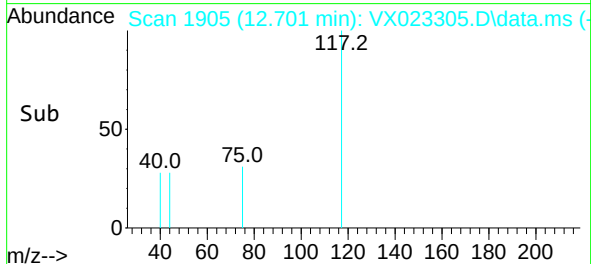
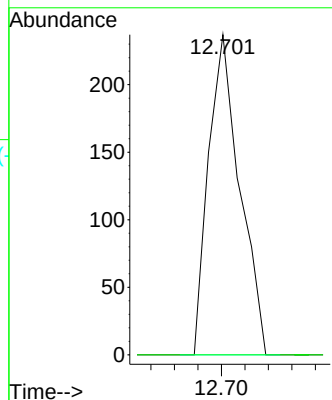


#90
Hexachloroethane
Concen: 3.136 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

Instrument :
MSVOA_X
ClientSampled :

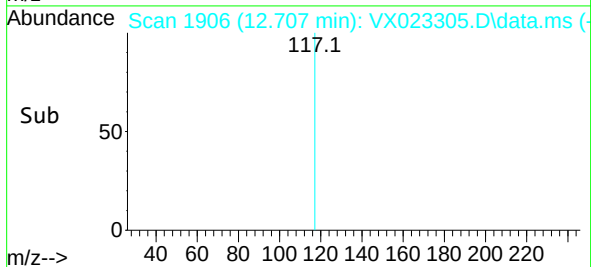
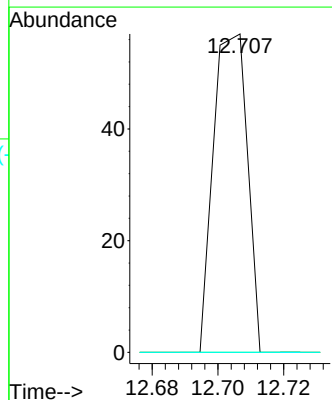
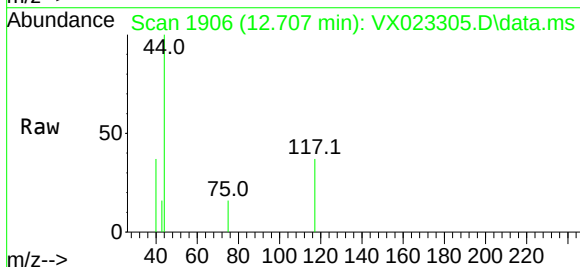


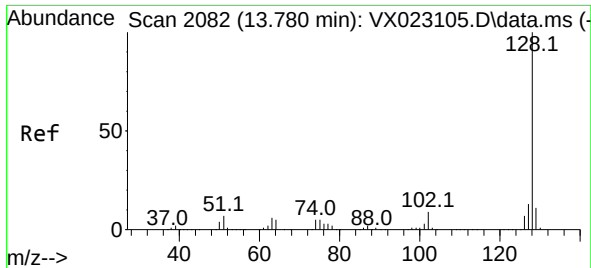
Tgt Ion:117 Resp: 219
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.622 ug/l
RT: 12.707 min Scan# 1906
Delta R.T. -0.238 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

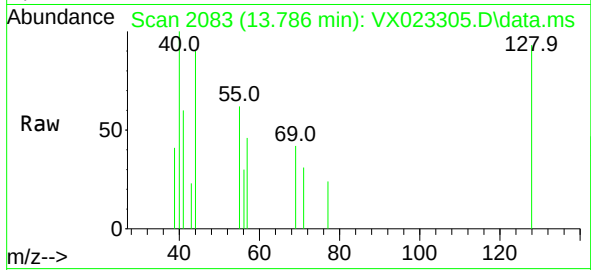
Tgt Ion: 75 Resp: 41
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#





#95
Naphthalene
Concen: 1.304 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023305.D
Acq: 15 Jul 2021 17:35

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 305
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 8.9 8.8 13.2

