

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023712.D
 Acq On : 14 Aug 2021 00:52
 Operator : JC/MD
 Sample : M3394-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:34:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

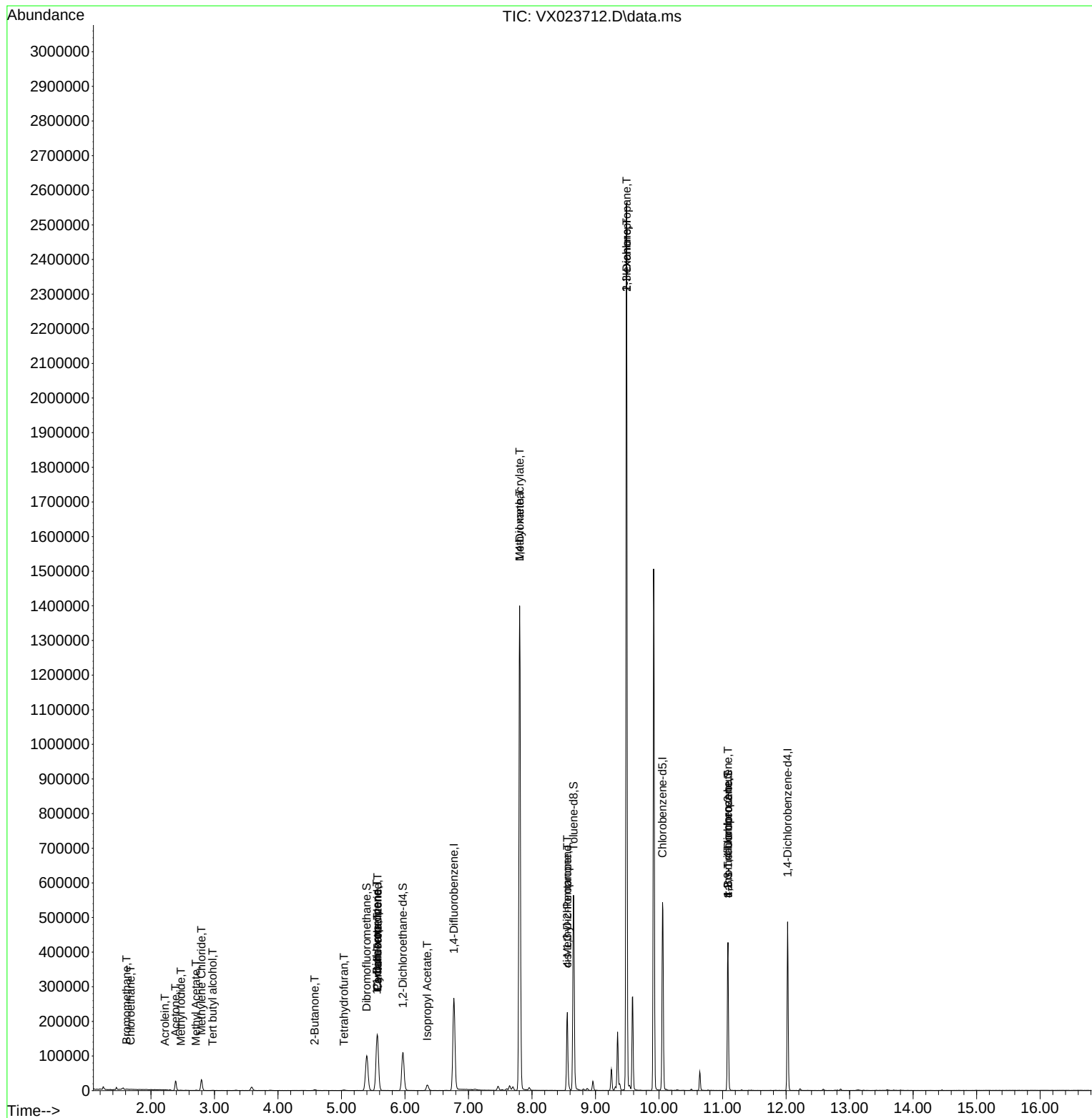
Internal Standards						
1) Pentafluorobenzene	5.568	168	153231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	263337	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	241797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	108888	56.967	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.940%			
35) Dibromofluoromethane	5.397	113	84936	51.586	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.180%			
50) Toluene-d8	8.653	98	325750	53.849	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.700%			
62) 4-Bromofluorobenzene	11.085	95	106185	51.621	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.240%			
Target Compounds						Qvalue
5) Bromomethane	1.617	94	655	0.664	ug/l #	28
6) Chloroethane	1.678	64	369	0.362	ug/l #	81
10) Methyl Iodide	2.471	142	725	0.381	ug/l #	83
11) Tert butyl alcohol	2.971	59	777	1.779	ug/l #	73
13) Acrolein	2.221	56	41	1.547	ug/l #	1
16) Acetone	2.386	43	28851	30.770	ug/l	91
18) Methyl Acetate	2.709	43	1593	0.715	ug/l #	83
20) Methylene Chloride	2.794	84	14340	7.863	ug/l	94
25) 2-Butanone	4.574	43	4352	2.990	ug/l #	72
29) Tetrahydrofuran	5.038	42	852	0.893	ug/l #	80
31) Cyclohexane	5.562	56	3498	1.235	ug/l #	25
36) 1,1-Dichloropropene	5.556	75	12187	5.116	ug/l #	49
38) Carbon Tetrachloride	5.568	117	15630	6.452	ug/l #	18
43) Isopropyl Acetate	6.348	43	22058	4.739	ug/l	93
48) Methyl methacrylate	7.805	41	127147	58.987	ug/l #	38
49) 1,4-Dioxane	7.805	88	114	2.484	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	78712	27.650	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	32312	11.348	ug/l #	70
57) 1,3-Dichloropropane	9.488	76	20548	6.825	ug/l #	42
59) 2-Hexanone	9.488	43	306363	141.722	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	56262	27.295	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	56262	73.393	ug/l #	12

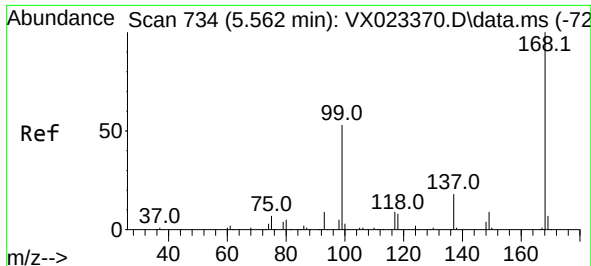
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Aug 14 05:34:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 23 06:05:38 2021
Response via : Initial Calibration

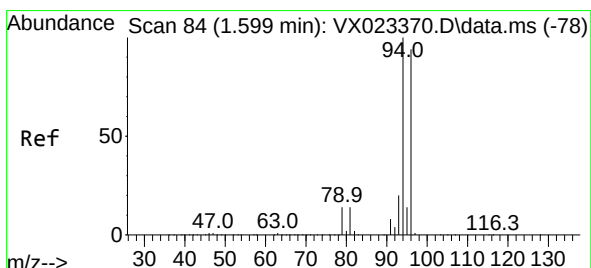
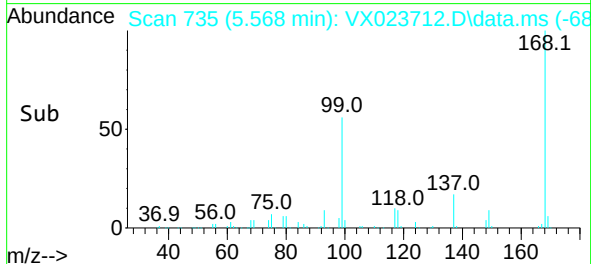
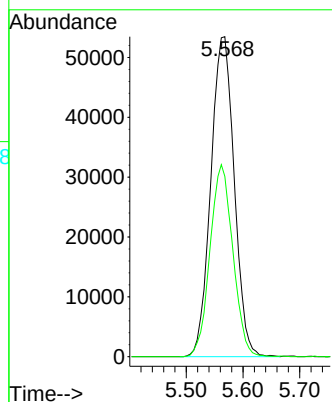
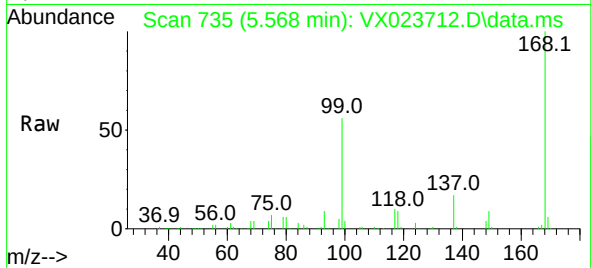




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

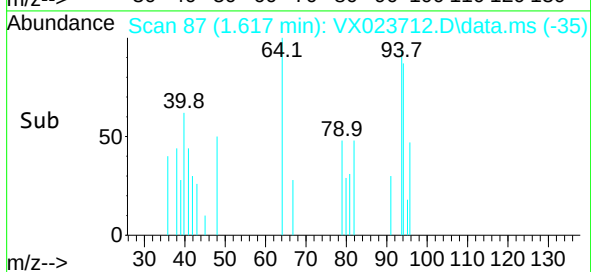
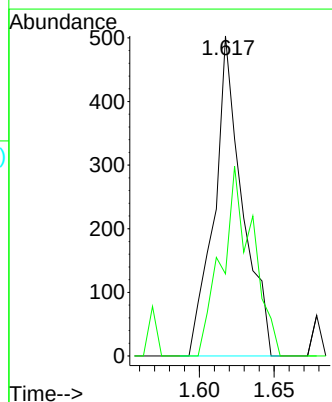
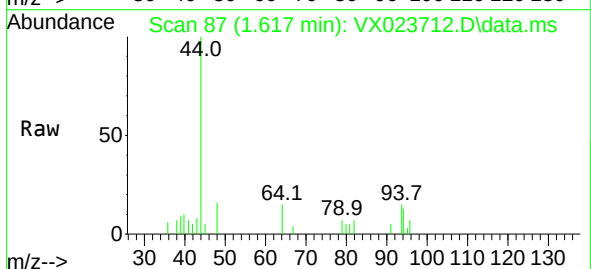
Instrument :
MSVOA_X
ClientSampleId :

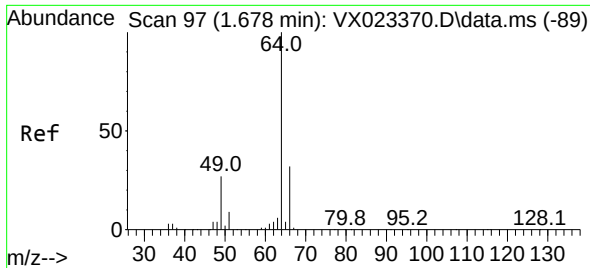
Tgt Ion:168 Resp: 153231
Ion Ratio Lower Upper
168 100
99 56.4 45.8 68.6



#5
Bromomethane
Concen: 0.664 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

Tgt Ion: 94 Resp: 655
Ion Ratio Lower Upper
94 100
96 25.6 76.4 114.6#

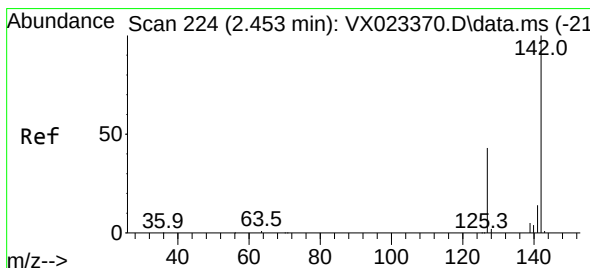
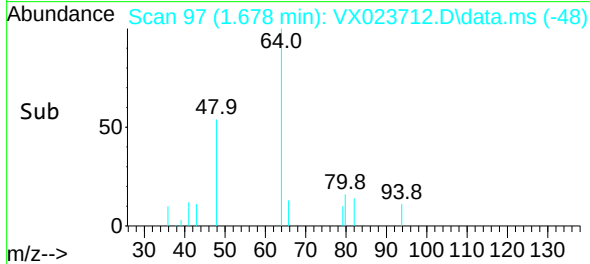
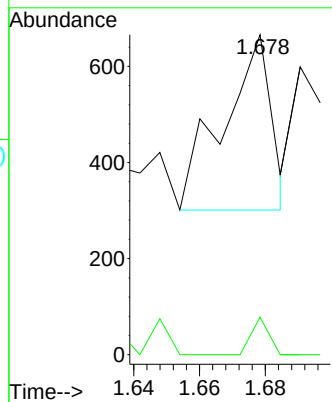
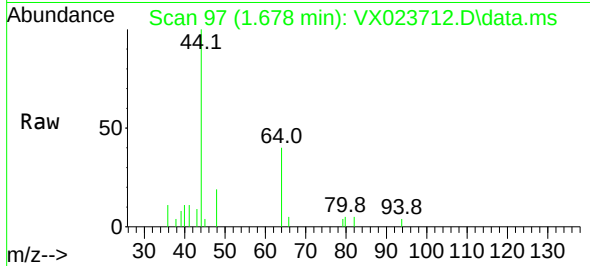




#6
Chloroethane
Concen: 0.362 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.000 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

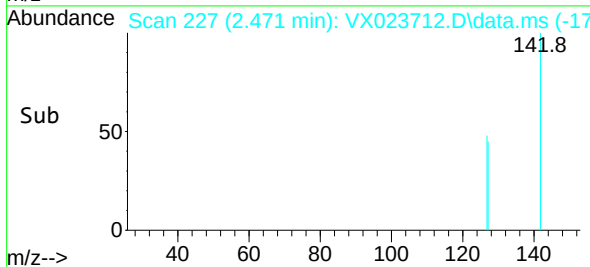
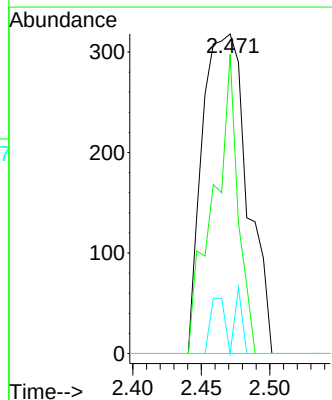
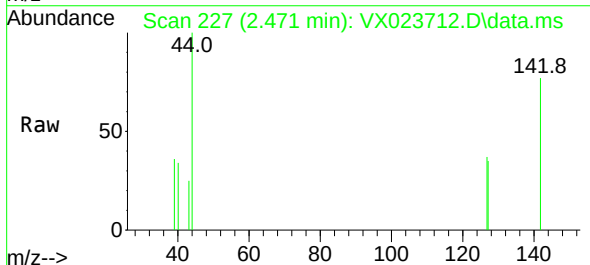
Instrument :
MSVOA_X
ClientSampled :

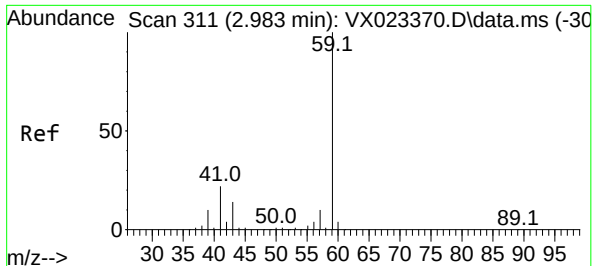
Tgt Ion: 64 Resp: 369
Ion Ratio Lower Upper
64 100
66 21.4 25.4 38.0#



#10
Methyl Iodide
Concen: 0.381 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

Tgt Ion: 142 Resp: 725
Ion Ratio Lower Upper
142 100
127 51.6 33.3 49.9#
141 5.5 11.4 17.0#



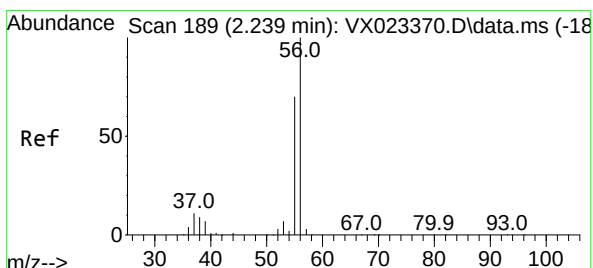
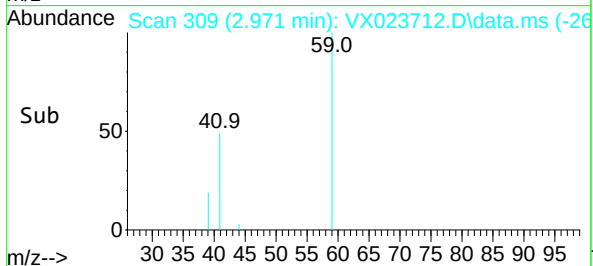
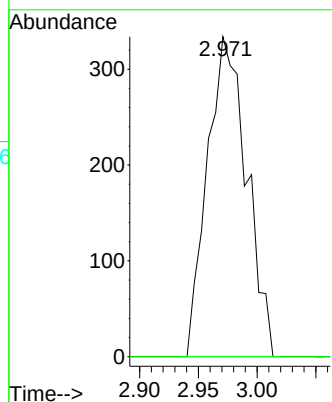
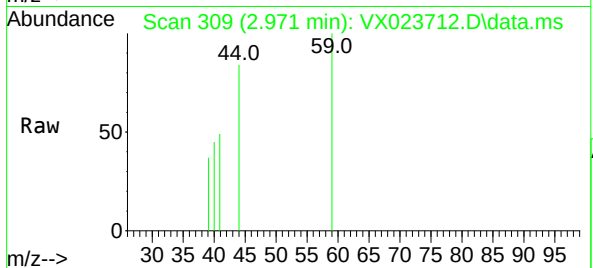


#11

Tert butyl alcohol
Concen: 1.779 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

Instrument :
MSVOA_X
ClientSampled :

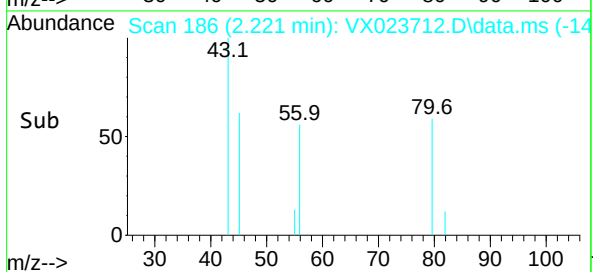
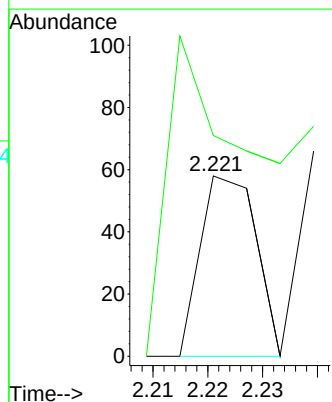
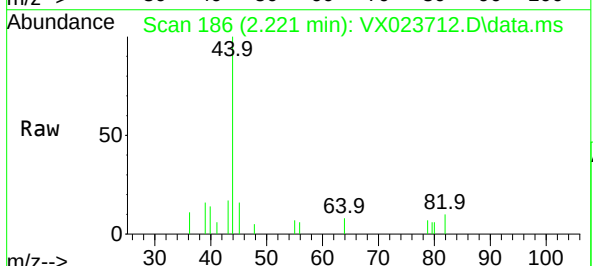
Tgt Ion: 59 Resp: 777
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

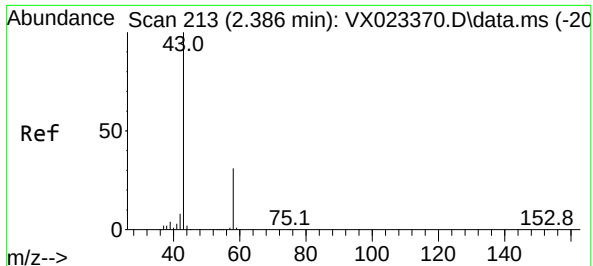


#13

Acrolein
Concen: 1.547 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.018 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 268.3 56.4 84.6#

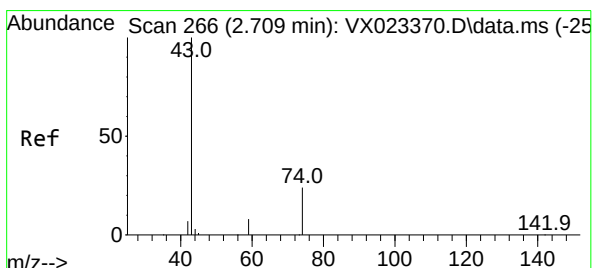
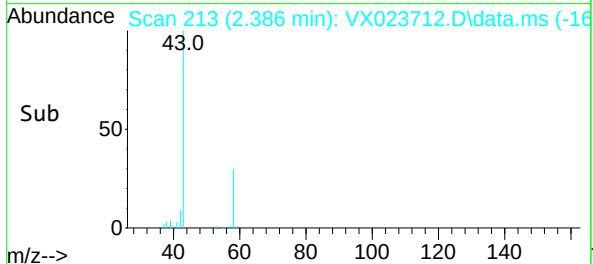
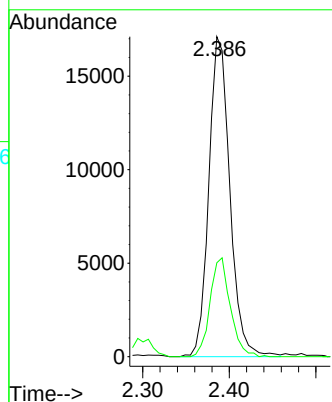
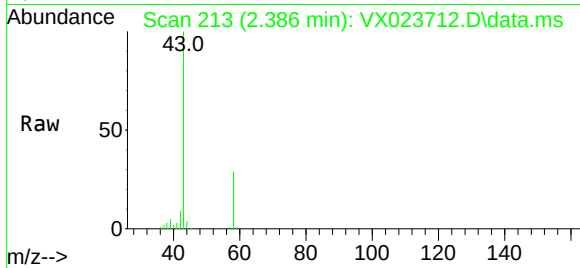




#16
Acetone
Concen: 30.770 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

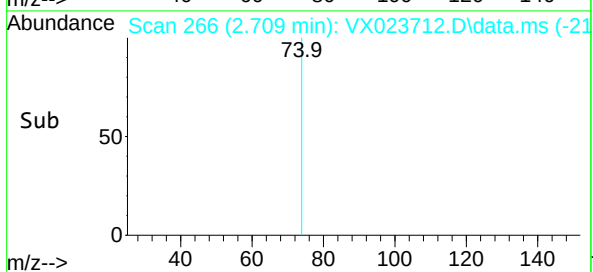
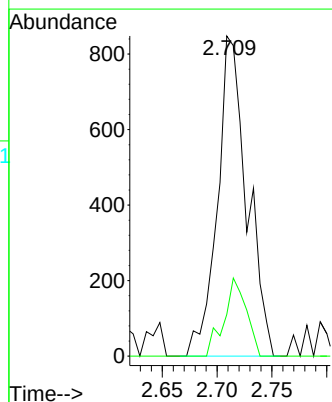
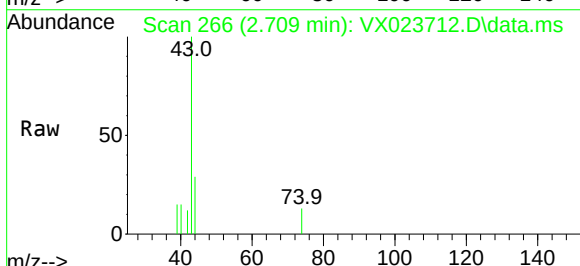
Instrument :
MSVOA_X
ClientSampled :

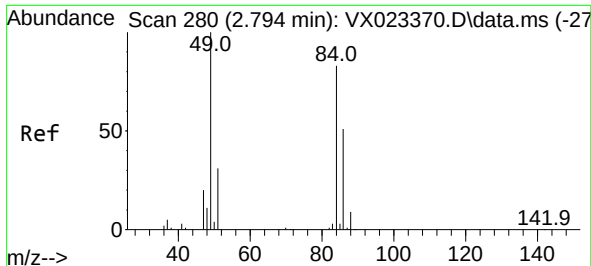
Tgt Ion: 43 Resp: 28851
Ion Ratio Lower Upper
43 100
58 29.3 27.8 41.8



#18
Methyl Acetate
Concen: 0.715 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

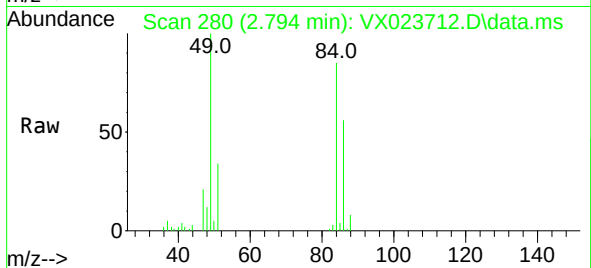
Tgt Ion: 43 Resp: 1593
Ion Ratio Lower Upper
43 100
74 18.3 21.9 32.9#



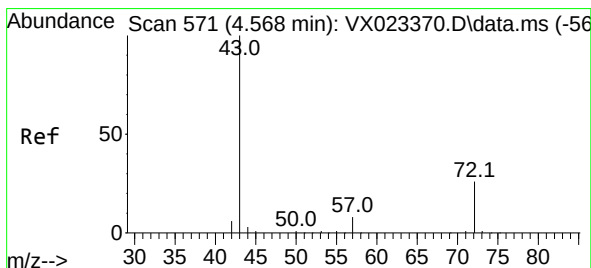
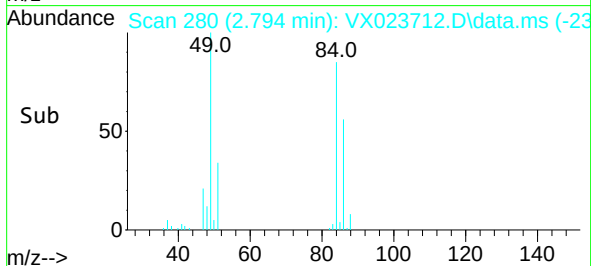
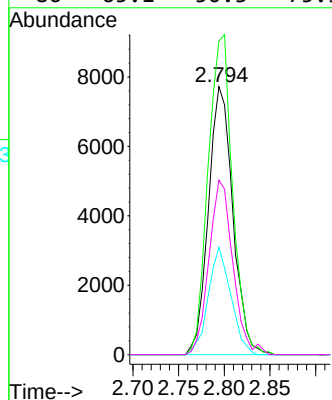


#20
Methylene Chloride
Concen: 7.863 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

Instrument :
MSVOA_X
ClientSampled :

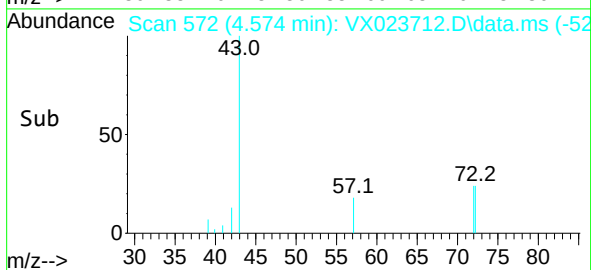
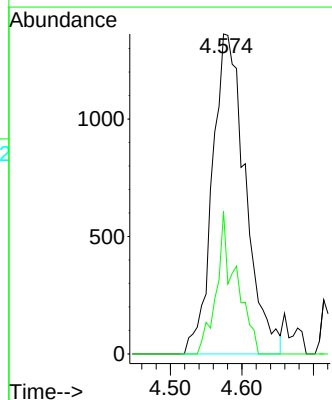
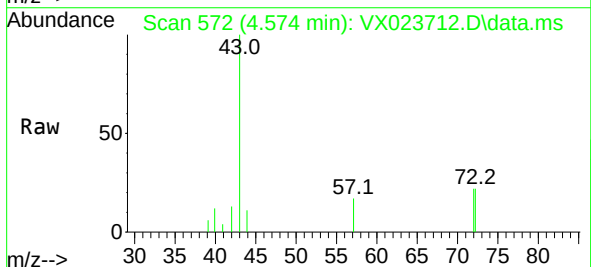


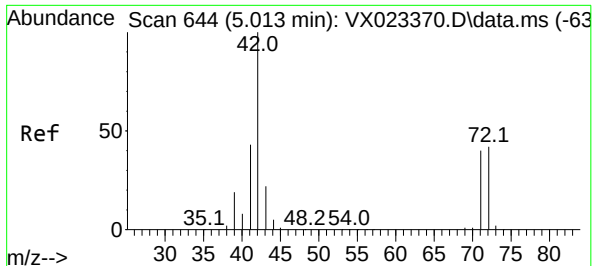
Tgt Ion:	84	Resp:	14340
Ion	Ratio	Lower	Upper
84	100		
49	117.0	88.6	132.8
51	40.1	27.0	40.6
86	65.1	50.3	75.5



#25
2-Butanone
Concen: 2.990 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

Tgt Ion:	43	Resp:	4352
Ion	Ratio	Lower	Upper
43	100		
72	44.6	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.893 ug/l

RT: 5.038 min Scan# 648

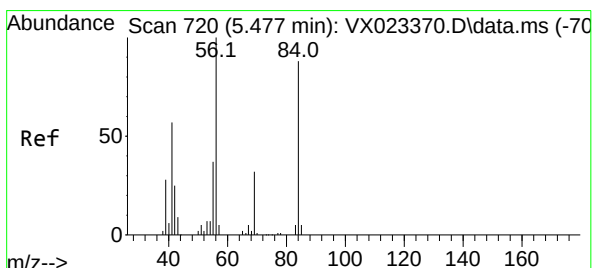
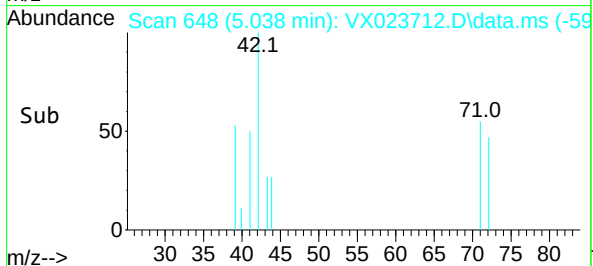
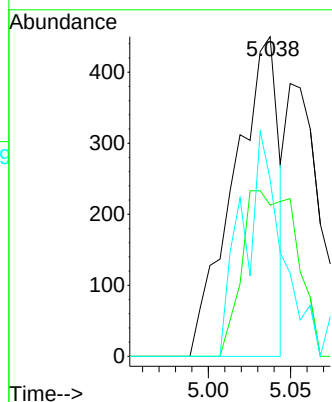
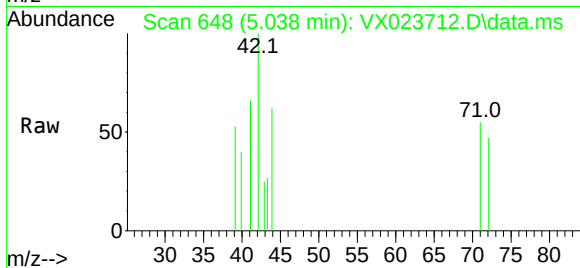
Delta R.T. 0.025 min

Lab File: VX023712.D

Acq: 14 Aug 2021 00:52

Tgt Ion:	42	Resp:	852
Ion	Ratio	Lower	Upper
42	100		
72	63.3	41.7	62.5#
71	64.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.235 ug/l

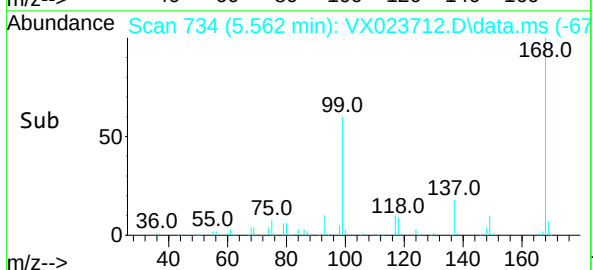
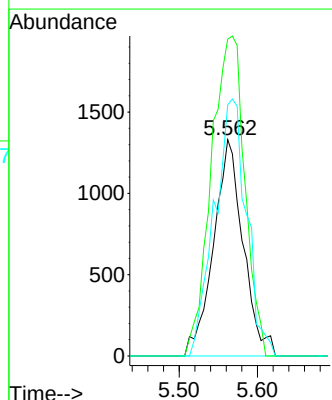
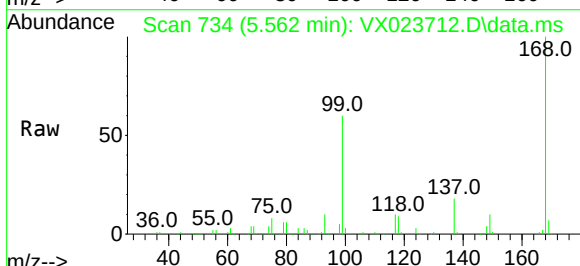
RT: 5.562 min Scan# 734

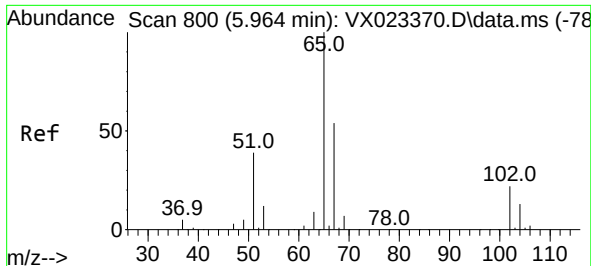
Delta R.T. 0.085 min

Lab File: VX023712.D

Acq: 14 Aug 2021 00:52

Tgt Ion:	56	Resp:	3498
Ion	Ratio	Lower	Upper
56	100		
69	146.5	25.3	37.9#
84	116.2	71.4	107.0#

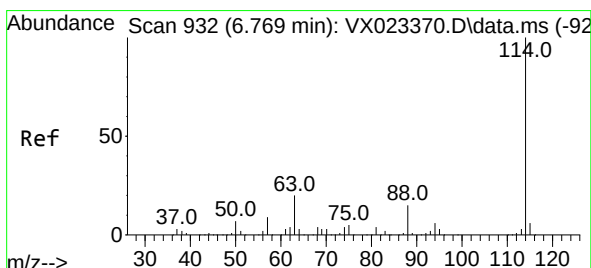
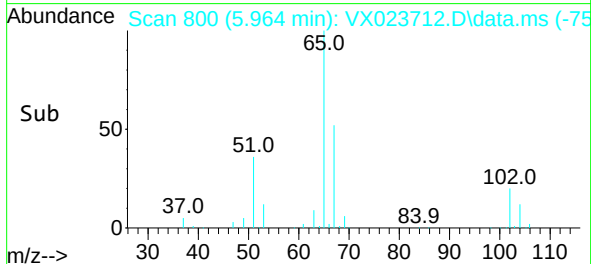
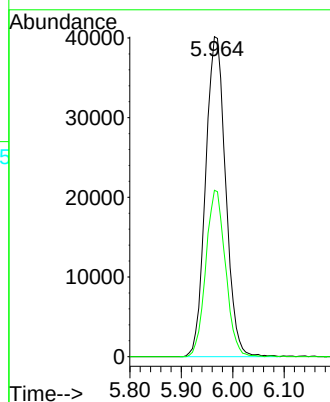
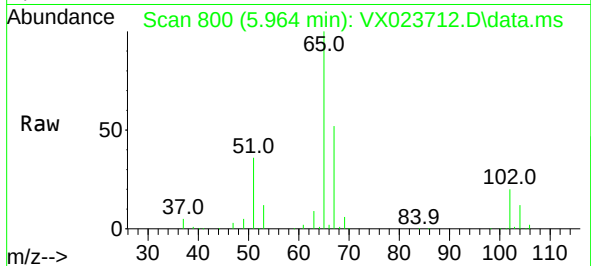




#33
1,2-Dichloroethane-d4
Concen: 56.967 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

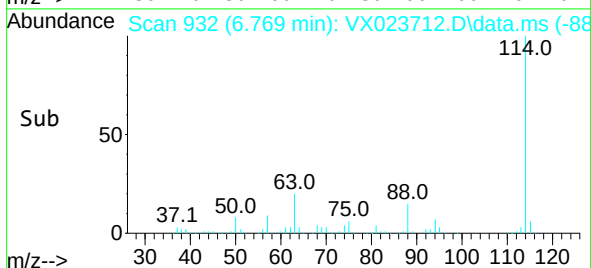
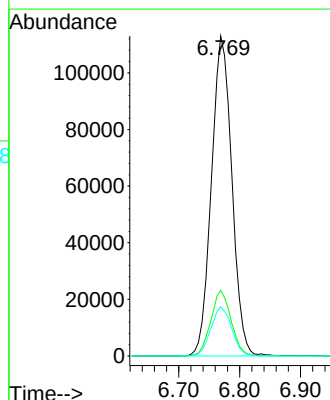
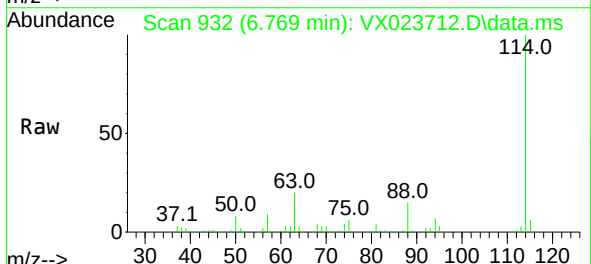
Instrument :
MSVOA_X
ClientSampleId :

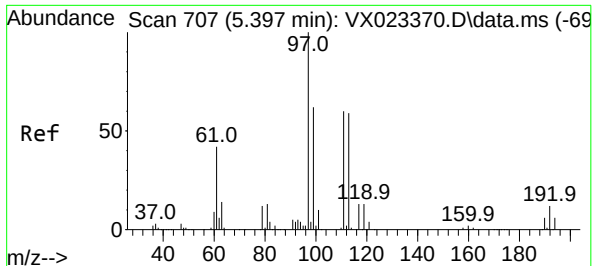
Tgt Ion: 65 Resp: 108888
Ion Ratio Lower Upper
65 100
67 50.9 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

Tgt Ion: 114 Resp: 263337
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 15.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.586 ug/l

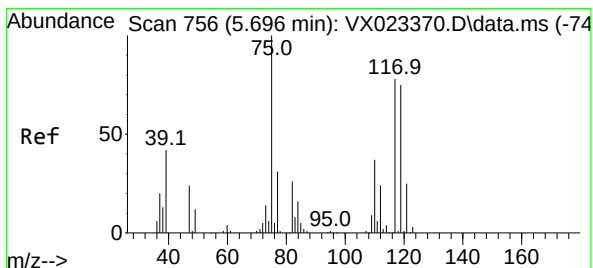
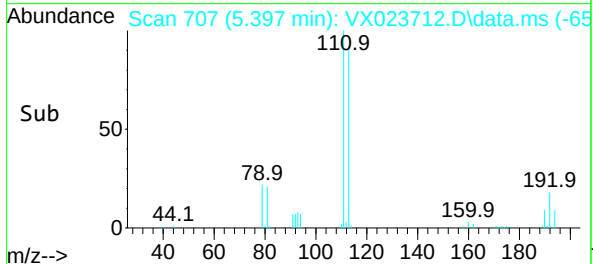
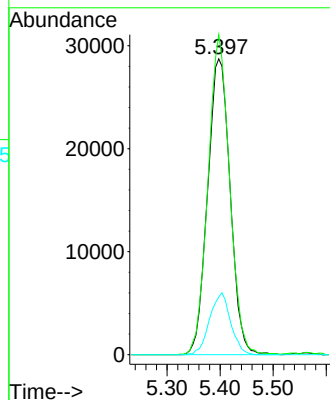
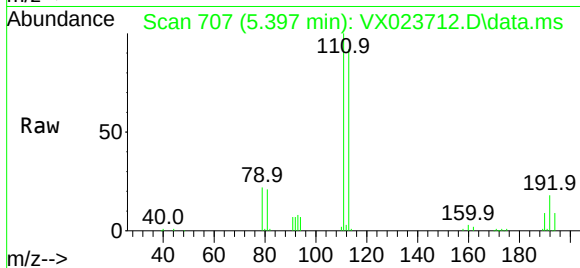
RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023712.D

Acq: 14 Aug 2021 00:52

Tgt Ion:	113	Resp:	84936
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.9	122.9
192	19.4	16.7	25.1



#36

1,1-Dichloropropene

Concen: 5.116 ug/l

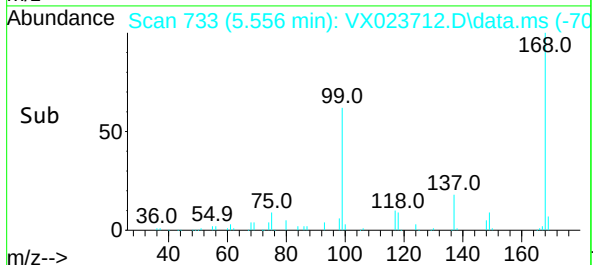
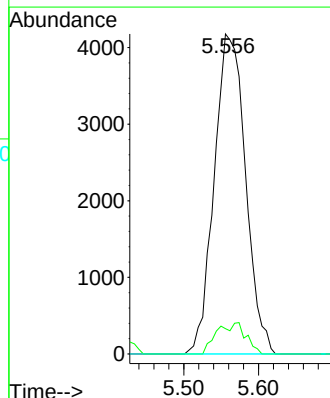
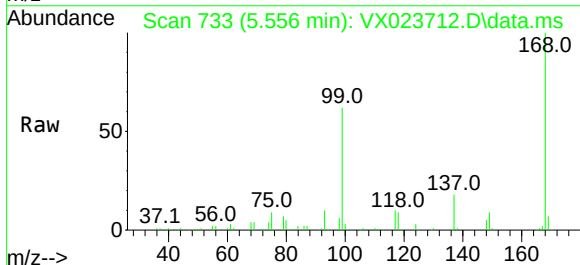
RT: 5.556 min Scan# 733

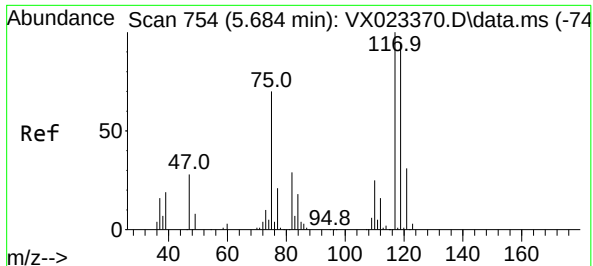
Delta R.T. -0.140 min

Lab File: VX023712.D

Acq: 14 Aug 2021 00:52

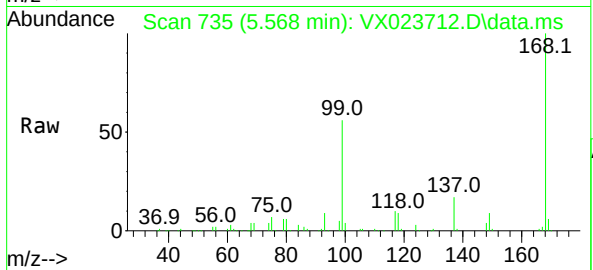
Tgt Ion:	75	Resp:	12187
Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	25.3	37.9#



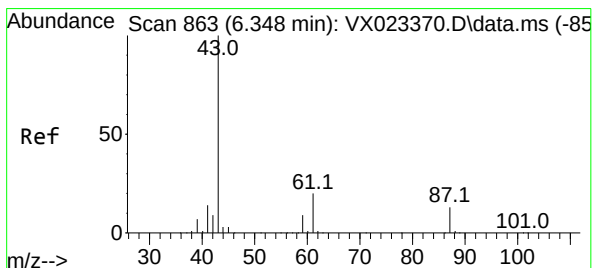
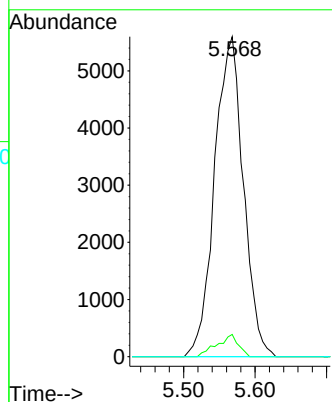
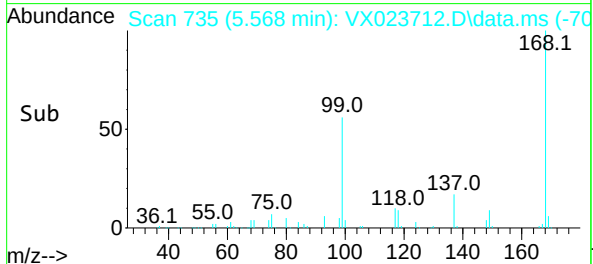


#38
Carbon Tetrachloride
Concen: 6.452 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

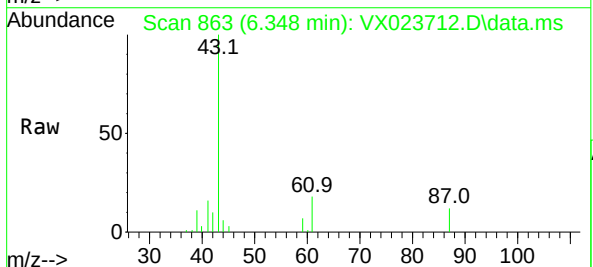
Instrument :
MSVOA_X
ClientSampled :



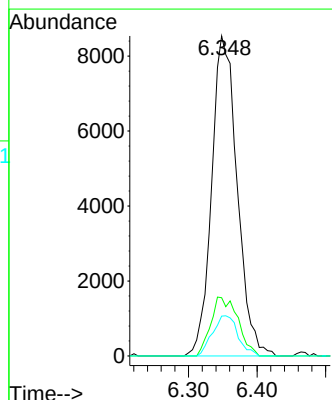
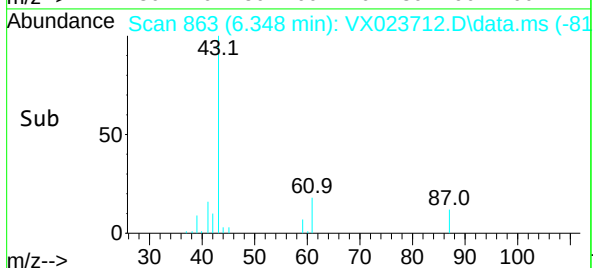
Tgt Ion:117 Resp: 15630
Ion Ratio Lower Upper
117 100
119 6.9 76.2 114.2#
121 0.0 24.8 37.2#

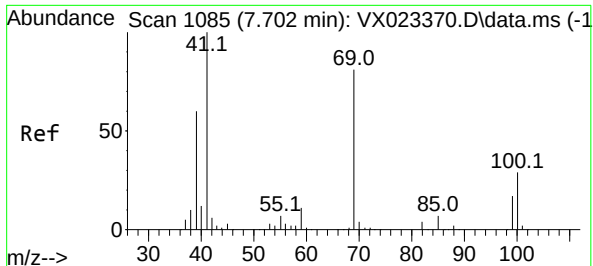


#43
Isopropyl Acetate
Concen: 4.739 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52



Tgt Ion: 43 Resp: 22058
Ion Ratio Lower Upper
43 100
61 19.6 18.2 27.4
87 12.5 12.5 18.7





#48

Methyl methacrylate

Concen: 58.987 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.103 min

Lab File: VX023712.D

Acq: 14 Aug 2021 00:52

Tgt Ion: 41 Resp: 127147

Ion Ratio Lower Upper

41 100

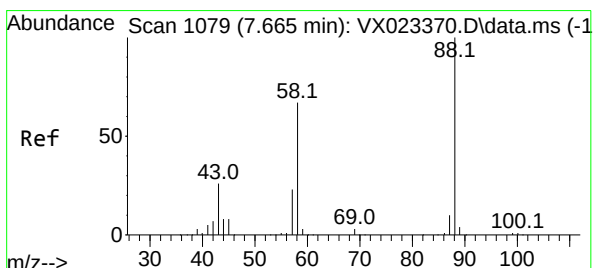
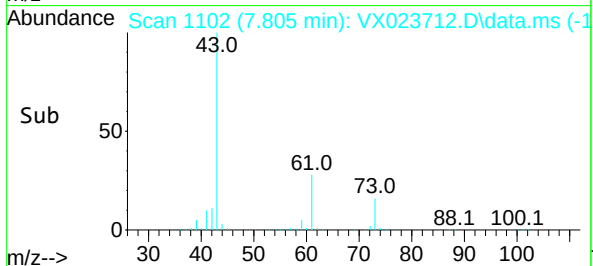
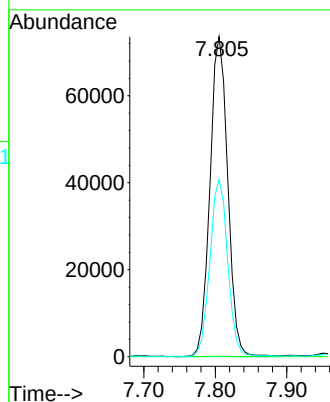
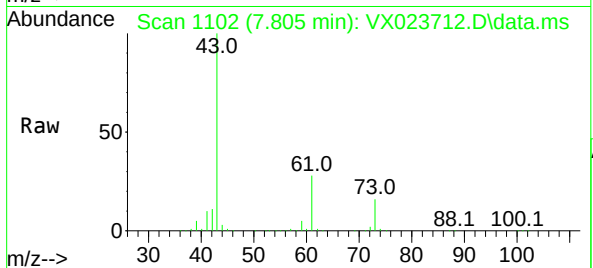
69 0.2 76.0 114.0#

39 55.4 44.6 67.0

Instrument :

MSVOA_X

ClientSampleId :



#49

1,4-Dioxane

Concen: 2.484 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.140 min

Lab File: VX023712.D

Acq: 14 Aug 2021 00:52

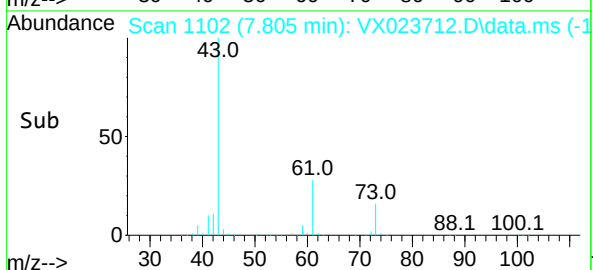
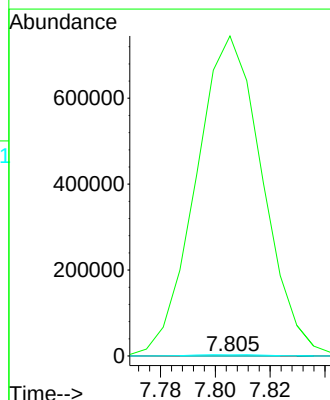
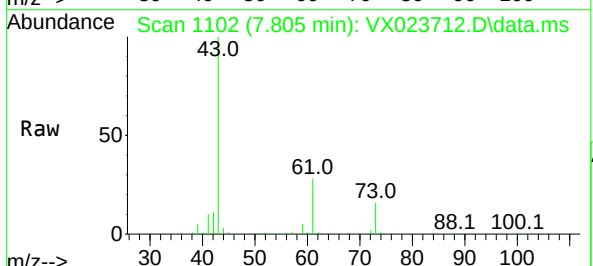
Tgt Ion: 88 Resp: 114

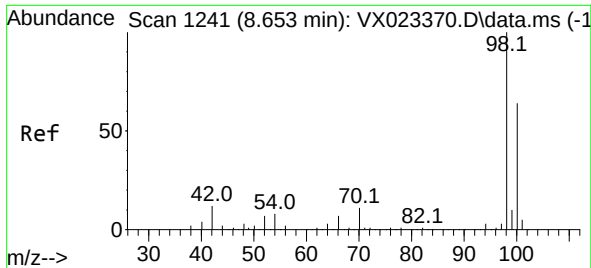
Ion Ratio Lower Upper

88 100

43 1113089.5 23.2 34.8#

58 4950.0 55.0 82.4#

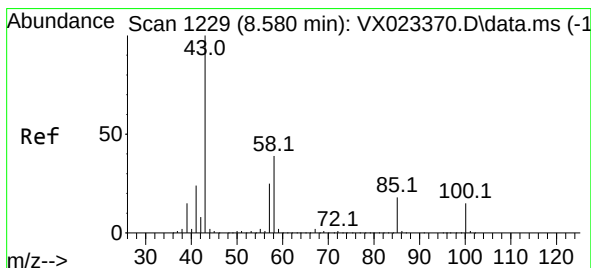
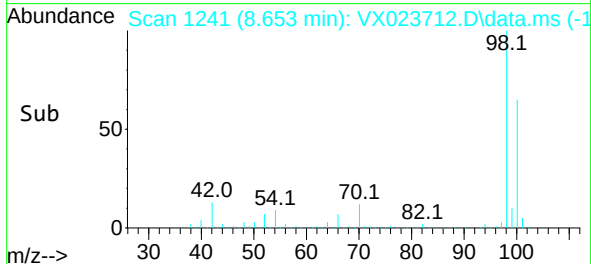
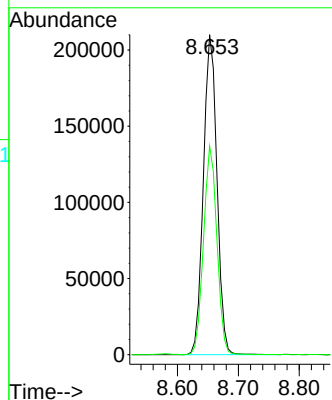
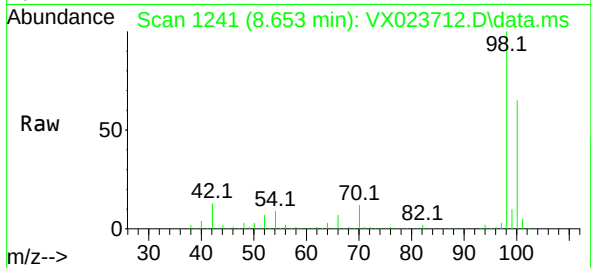




#50
Toluene-d8
Concen: 53.849 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

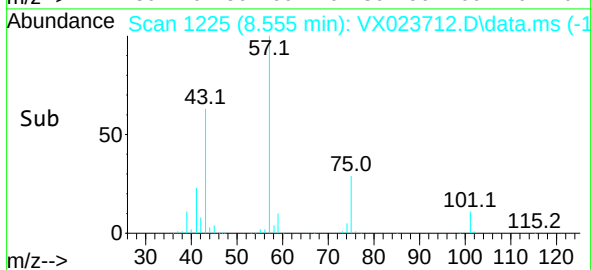
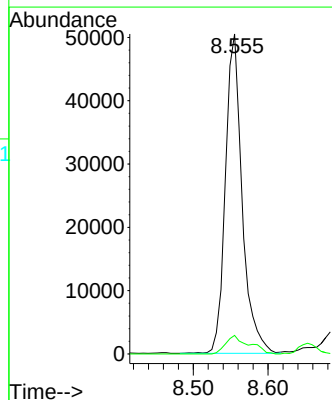
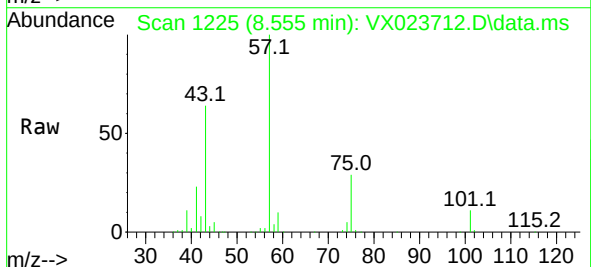
Instrument :
MSVOA_X
ClientSampled :

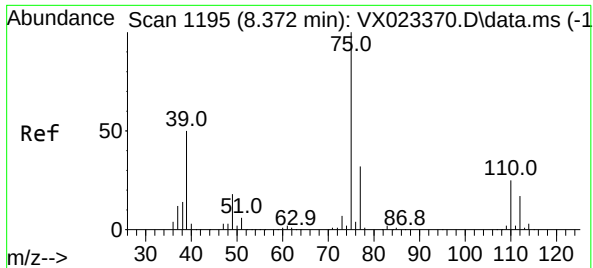
Tgt Ion: 98 Resp: 325750
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 27.650 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

Tgt Ion: 43 Resp: 78712
Ion Ratio Lower Upper
43 100
58 8.1 35.4 53.0#

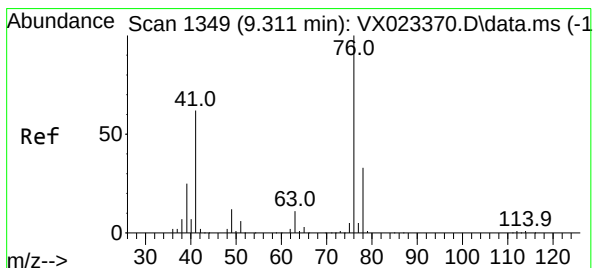
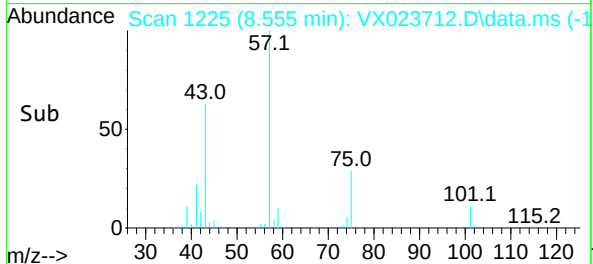
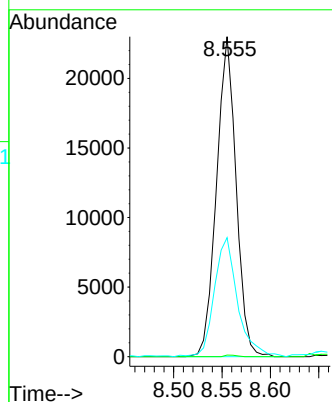
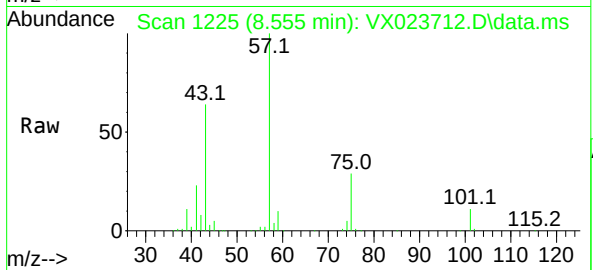




#54
cis-1,3-Dichloropropene
Concen: 11.348 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

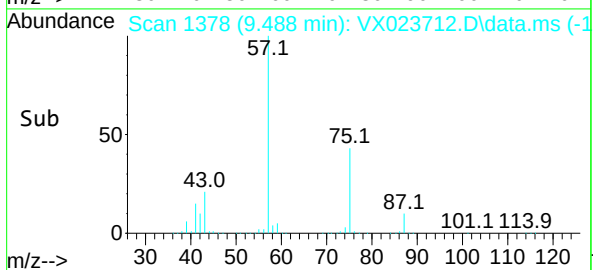
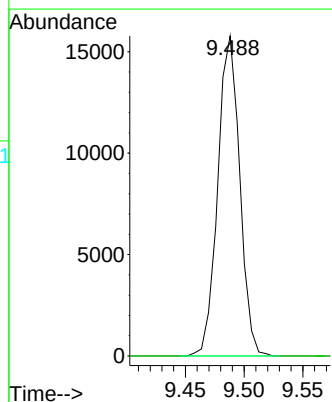
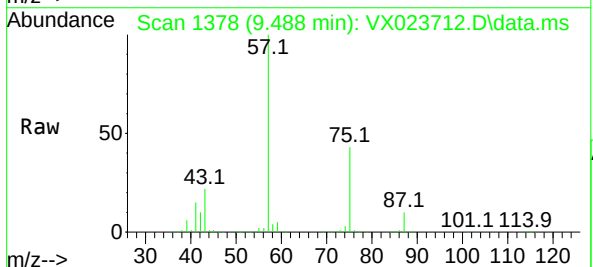
Instrument :
MSVOA_X
ClientSampleId :

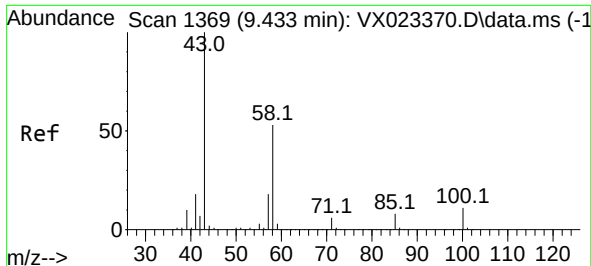
Tgt Ion: 75 Resp: 32312
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 36.7 35.1 52.7



#57
1,3-Dichloropropane
Concen: 6.825 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

Tgt Ion: 76 Resp: 20548
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

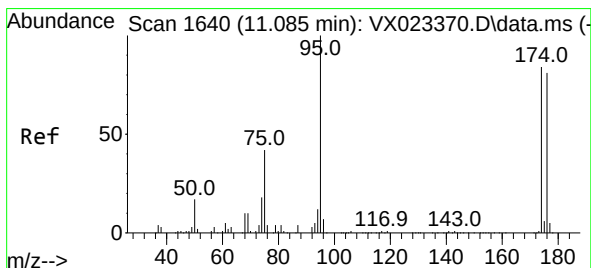
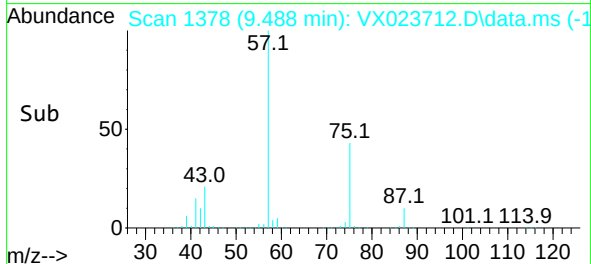
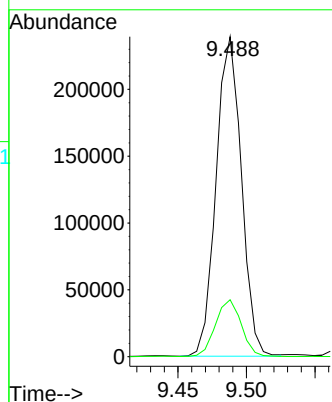
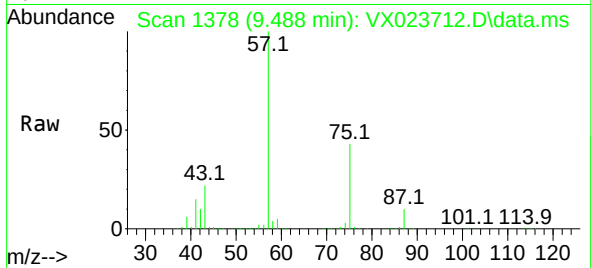




#59
2-Hexanone
Concen: 141.722 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

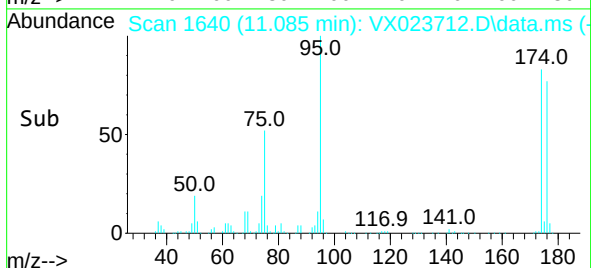
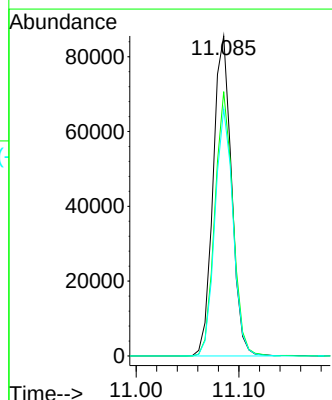
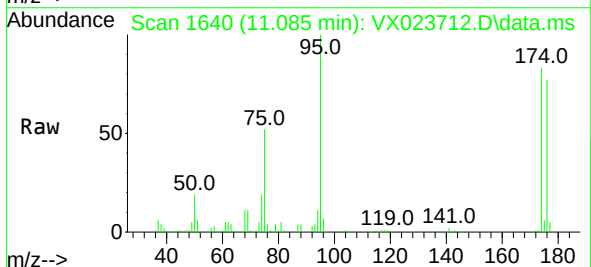
Instrument :
MSVOA_X
ClientSampled :

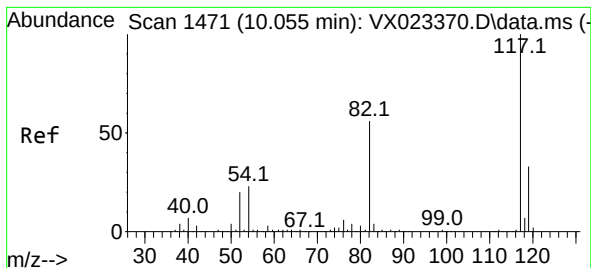
Tgt Ion: 43 Resp: 306363
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 51.621 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

Tgt Ion: 95 Resp: 106185
Ion Ratio Lower Upper
95 100
174 80.9 0.0 154.6
176 75.9 0.0 155.8

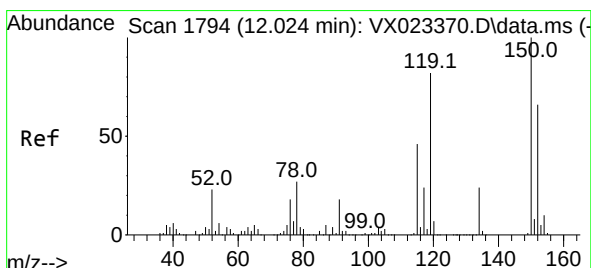
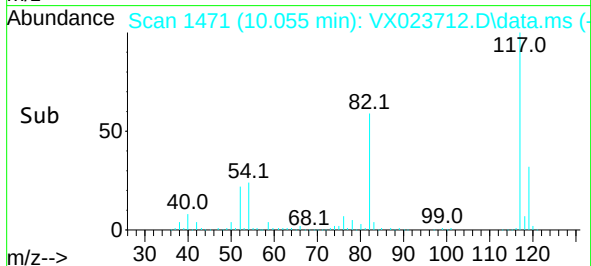
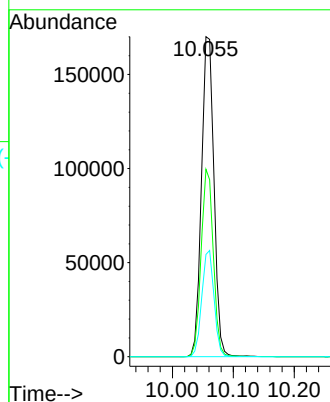
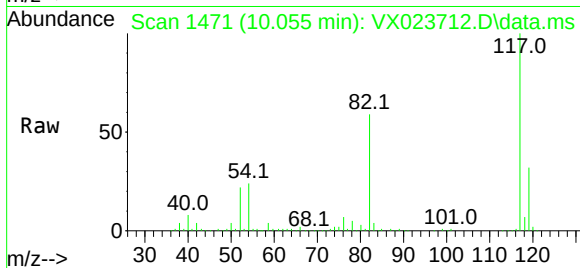




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

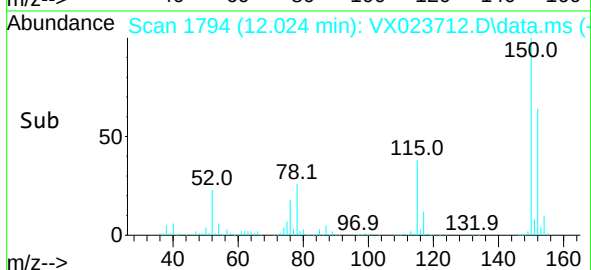
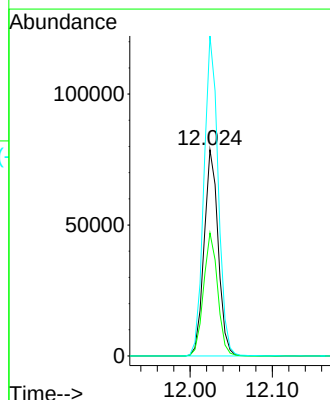
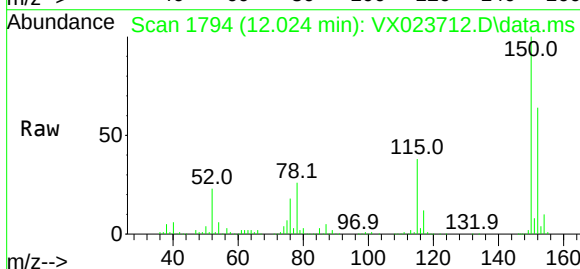
Instrument :
MSVOA_X
ClientSampled :

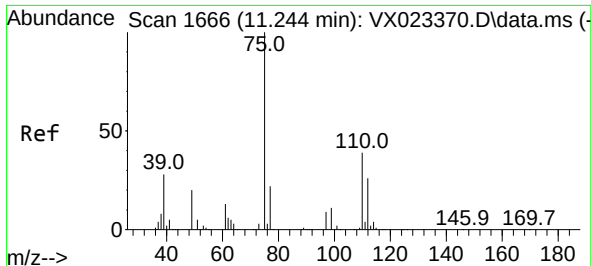
Tgt Ion:117 Resp: 241797
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 31.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

Tgt Ion:152 Resp: 93669
Ion Ratio Lower Upper
152 100
115 59.5 41.1 123.3
150 157.1 0.0 349.0

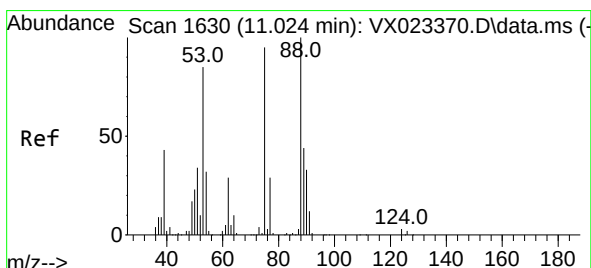
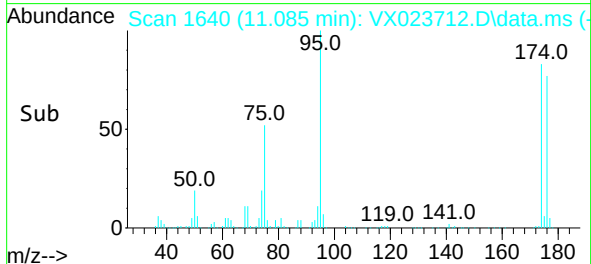
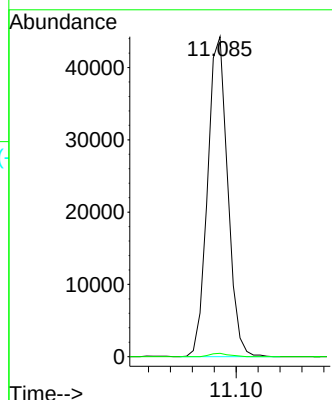
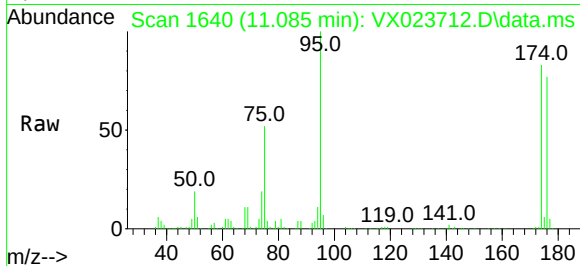




#76
1,2,3-Trichloropropane
Concen: 27.295 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 56262
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.393 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023712.D
Acq: 14 Aug 2021 00:52

Tgt Ion: 75 Resp: 56262
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

