

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024753.D
 Acq On : 12 Oct 2021 08:51
 Operator : JC/MD
 Sample : M4159-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 09:14:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

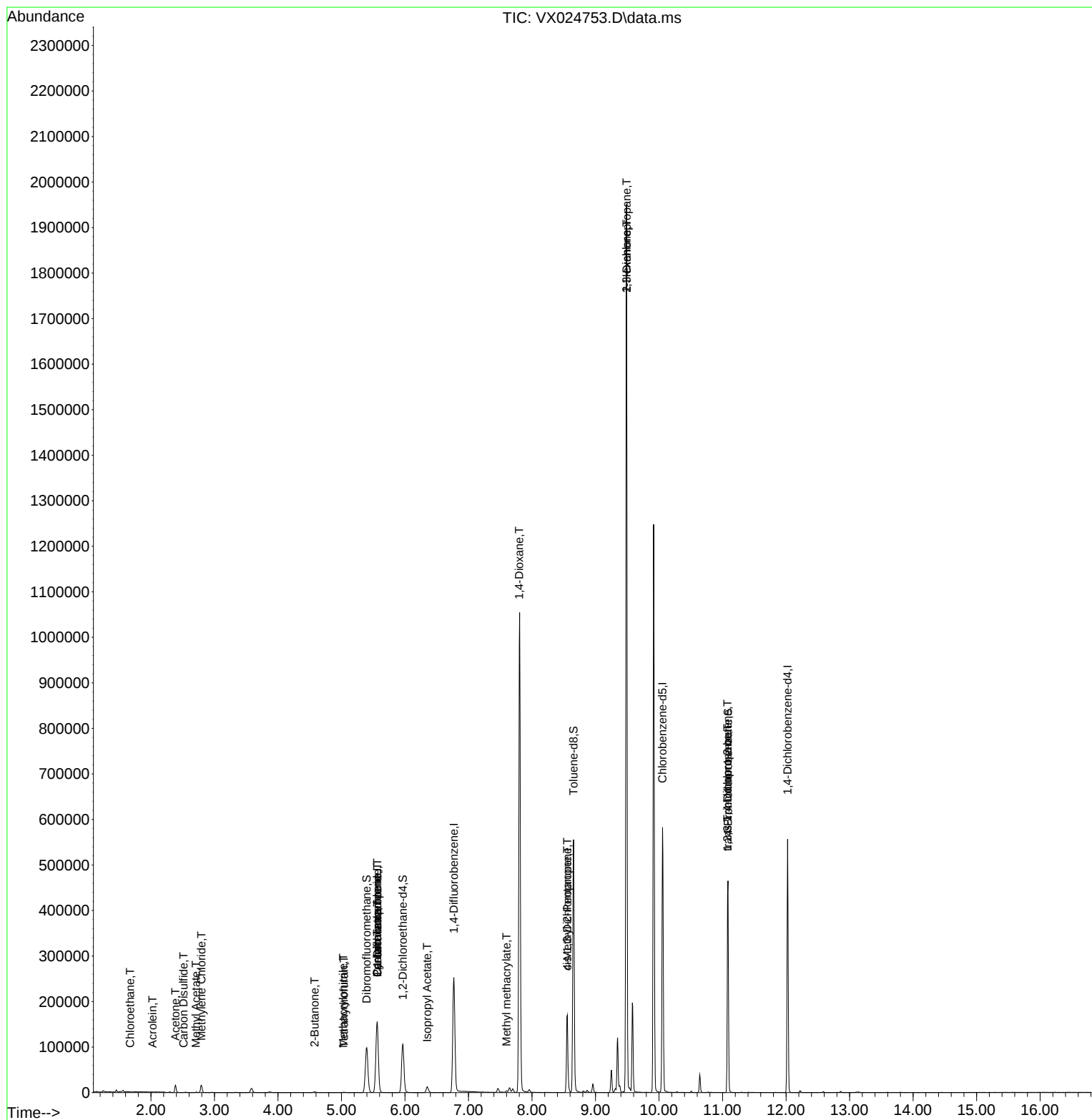
Internal Standards						
1) Pentafluorobenzene	5.562	168	142666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	249014	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	253885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107881	53.653	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 107.300%		
35) Dibromofluoromethane	5.397	113	83806	50.661	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.320%		
50) Toluene-d8	8.653	98	316973	52.060	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 104.120%		
62) 4-Bromofluorobenzene	11.085	95	118728	49.596	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 99.200%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	138	0.404	ug/l #	43
11) Tert butyl alcohol	2.971	59	640	Below Cal	#	73
13) Acrolein	2.026	56	21	10.243	ug/l #	14
16) Acetone	2.386	43	16576	9.795	ug/l	88
17) Carbon Disulfide	2.514	76	134	0.267	ug/l #	75
18) Methyl Acetate	2.709	43	1391	0.462	ug/l	98
20) Methylene Chloride	2.794	84	7125	3.676	ug/l #	92
25) 2-Butanone	4.574	43	2870	2.073	ug/l #	72
29) Tetrahydrofuran	5.038	42	471	0.534	ug/l #	52
31) Cyclohexane	5.562	56	3050	1.267	ug/l #	13
36) 1,1-Dichloropropene	5.562	75	11183	4.685	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14658	5.641	ug/l #	16
41) Methacrylonitrile	5.026	41	431	0.280	ug/l #	42
43) Isopropyl Acetate	6.348	43	16715	3.689	ug/l #	92
48) Methyl methacrylate	7.598	41	5346	2.383	ug/l #	10
49) 1,4-Dioxane	7.799	88	121	2.355	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	61419	20.532	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	25437	9.120	ug/l #	67
57) 1,3-Dichloropropane	9.488	76	16005	5.203	ug/l #	43
59) 2-Hexanone	9.488	43	234608	99.591	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	64051	25.377	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	64051	69.172	ug/l #	12

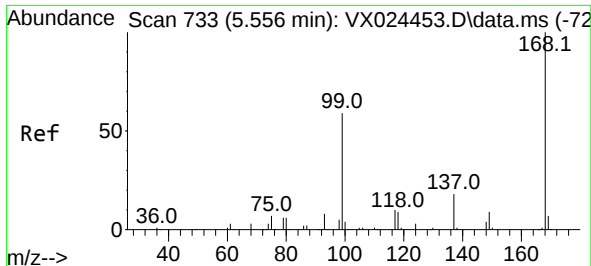
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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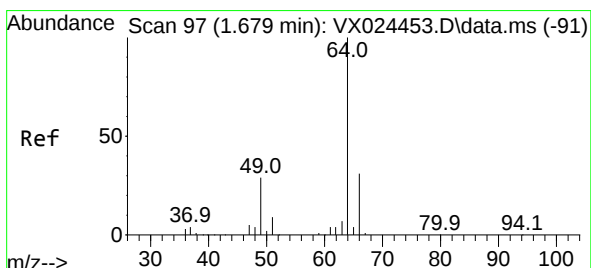
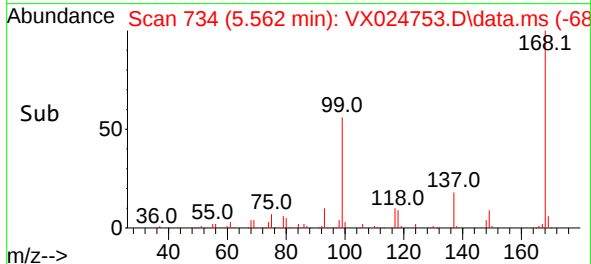
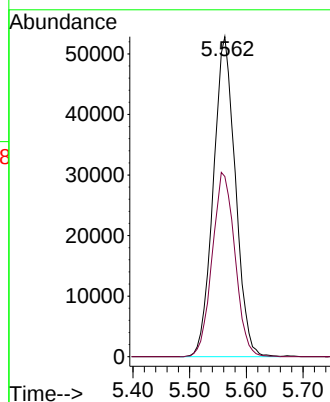
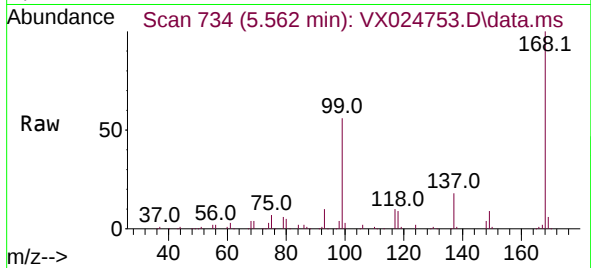




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

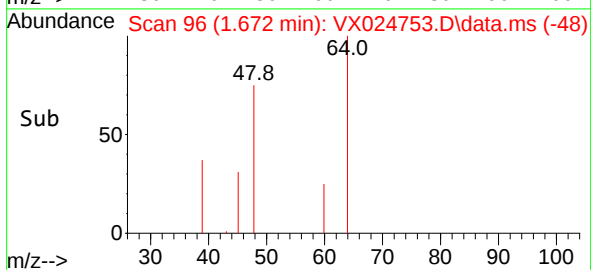
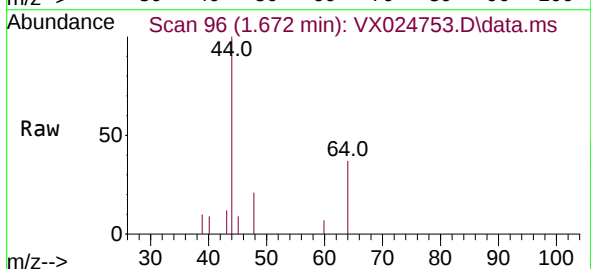
Instrument :
MSVOA_X
ClientSampled :

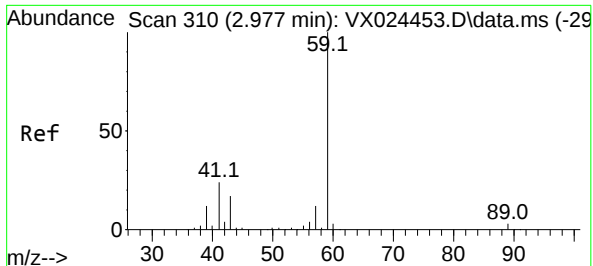
Tgt Ion:168 Resp: 142666
Ion Ratio Lower Upper
168 100
99 56.3 45.8 68.6



#6
Chloroethane
Concen: 0.404 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

Tgt Ion: 64 Resp: 138
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

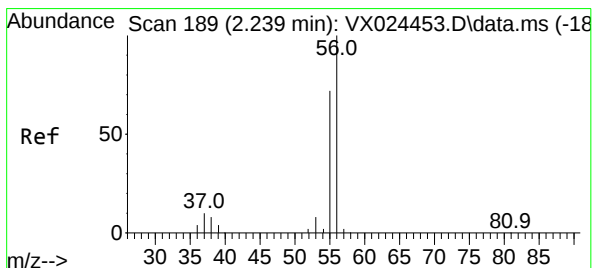
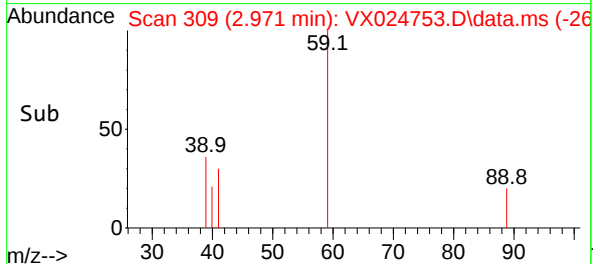
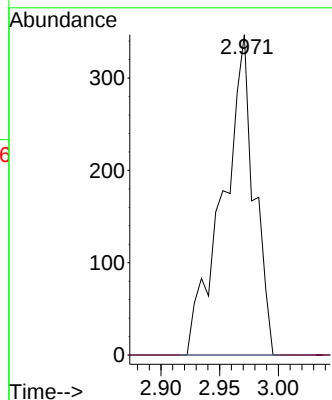
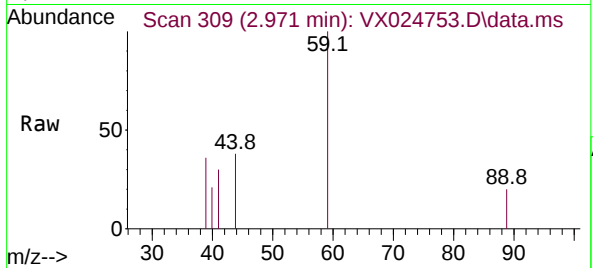




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

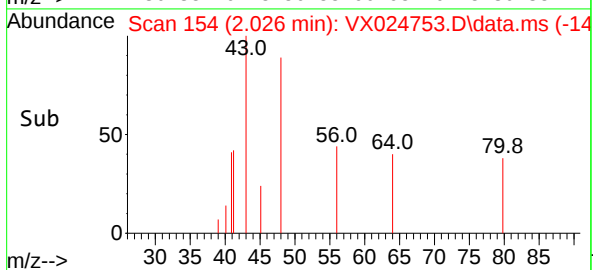
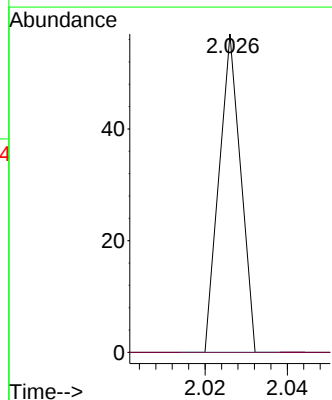
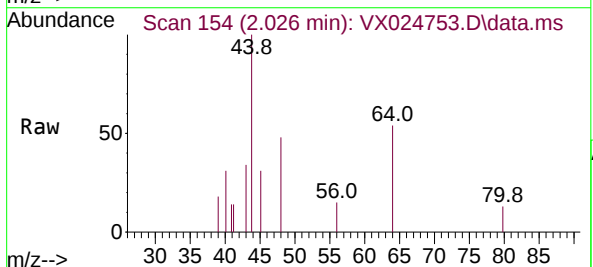
Instrument :
MSVOA_X
ClientSampled :

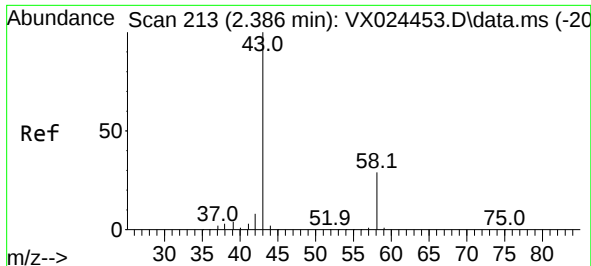
Tgt Ion: 59 Resp: 640
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 10.243 ug/l
RT: 2.026 min Scan# 154
Delta R.T. -0.213 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

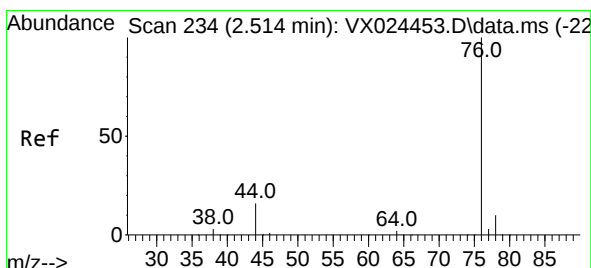
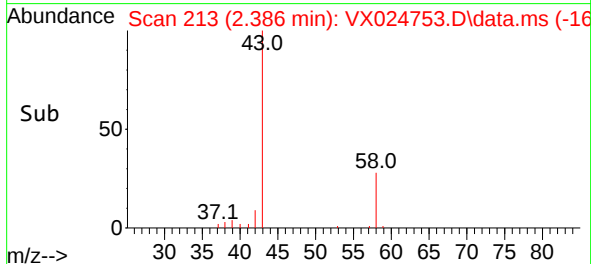
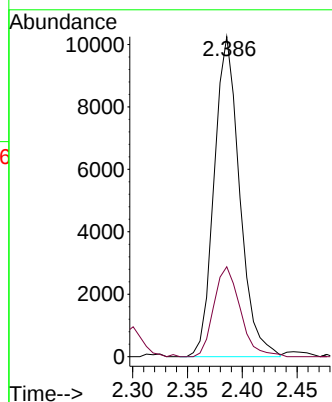
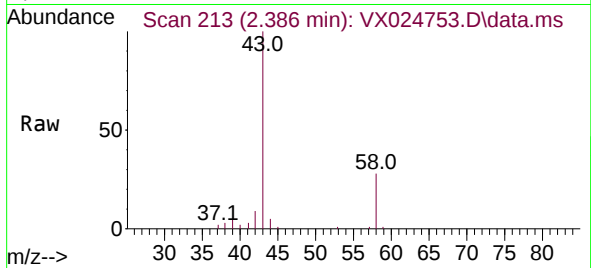




#16
Acetone
Concen: 9.795 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

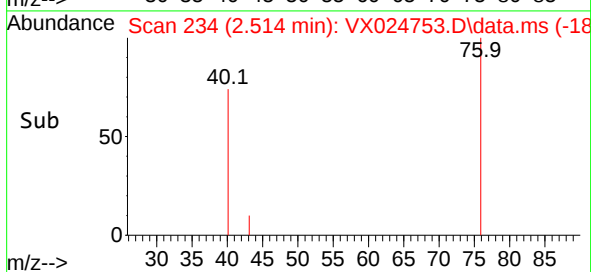
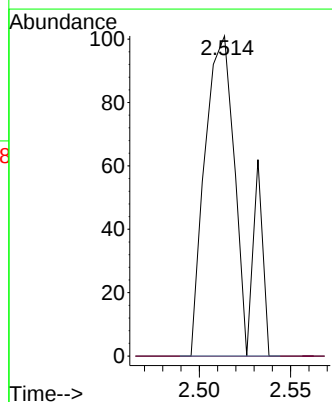
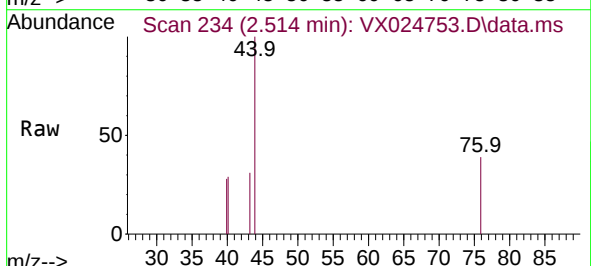
Instrument :
MSVOA_X
ClientSampleId :

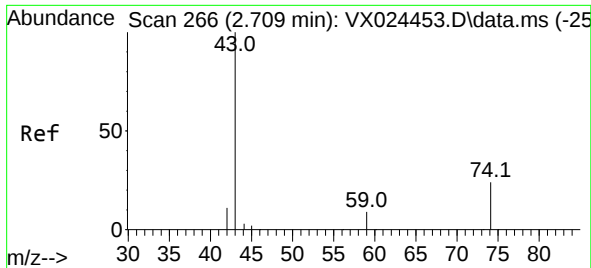
Tgt Ion: 43 Resp: 16576
Ion Ratio Lower Upper
43 100
58 28.1 27.8 41.8



#17
Carbon Disulfide
Concen: 0.267 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

Tgt Ion: 76 Resp: 134
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

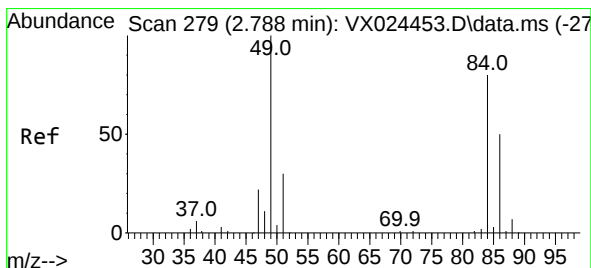
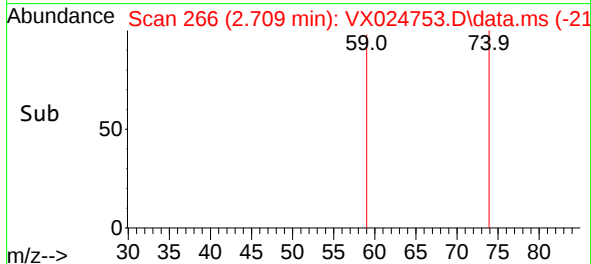
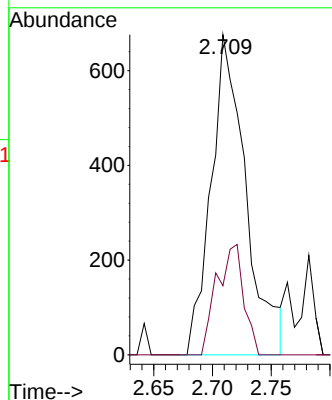
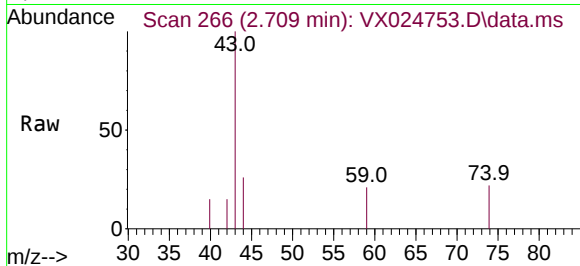




#18
Methyl Acetate
Concen: 0.462 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

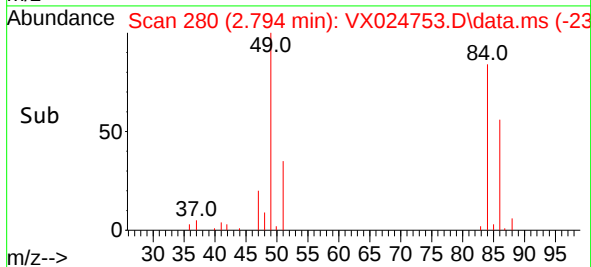
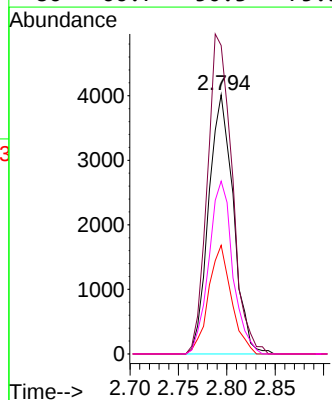
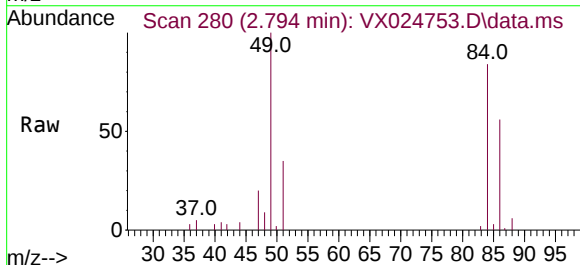
Instrument :
MSVOA_X
ClientSampled :

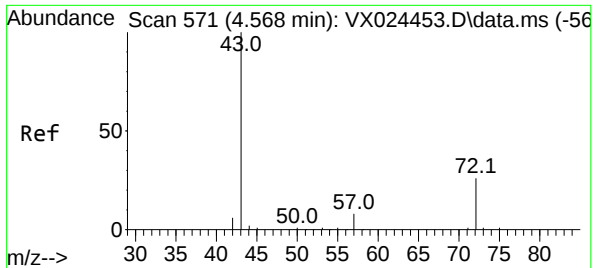
Tgt Ion: 43 Resp: 1391
Ion Ratio Lower Upper
43 100
74 26.5 21.9 32.9



#20
Methylene Chloride
Concen: 3.676 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

Tgt Ion: 84 Resp: 7125
Ion Ratio Lower Upper
84 100
49 119.0 88.6 132.8
51 41.9 27.0 40.6#
86 66.7 50.3 75.5

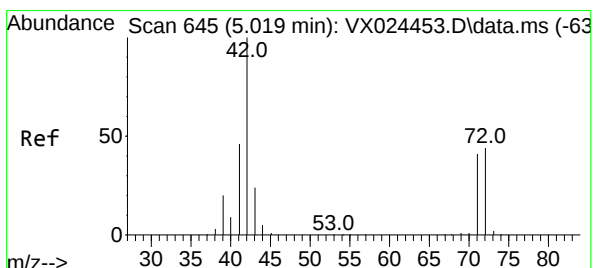
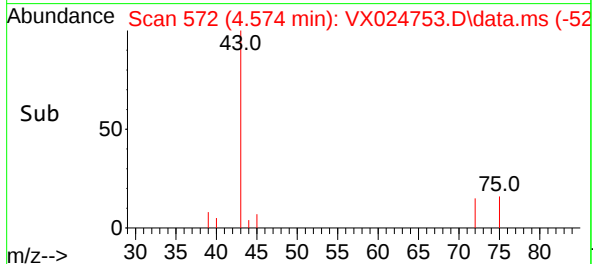
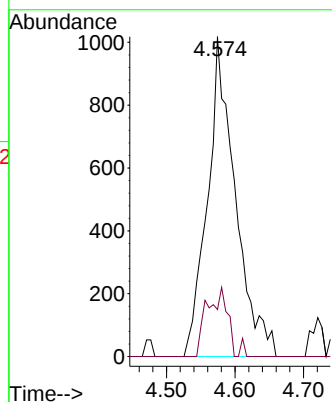
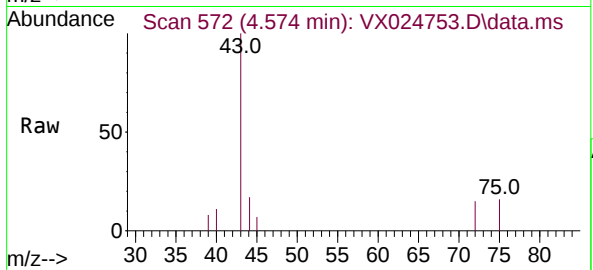




#25
2-Butanone
Concen: 2.073 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

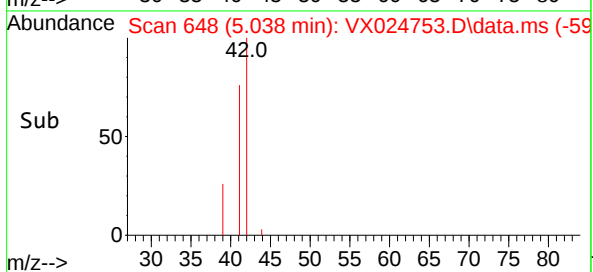
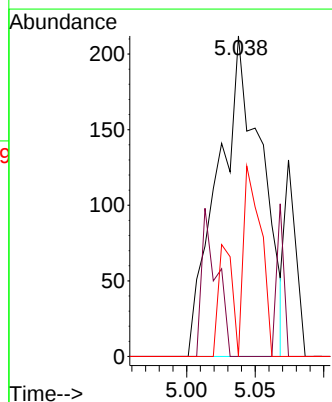
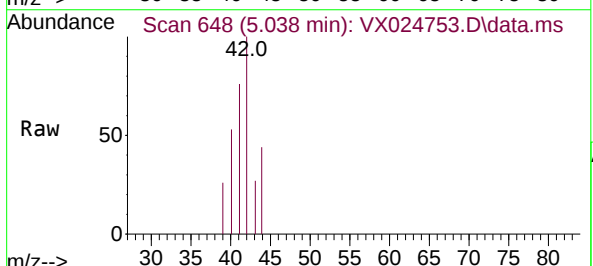
Instrument :
MSVOA_X
ClientSampled :

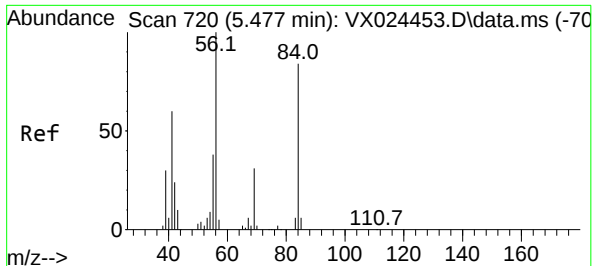
Tgt Ion: 43 Resp: 2870
Ion Ratio Lower Upper
43 100
72 14.7 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.534 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

Tgt Ion: 42 Resp: 471
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 34.4 38.4 57.6#

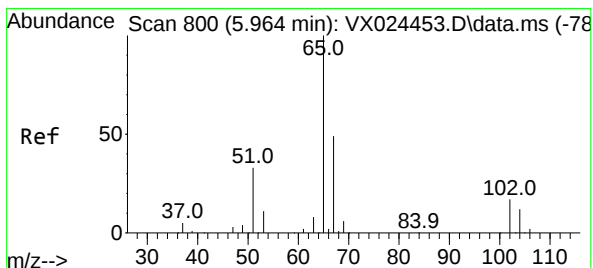
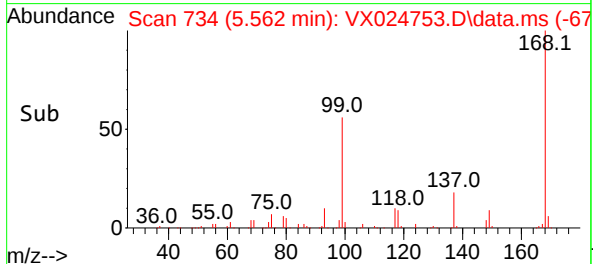
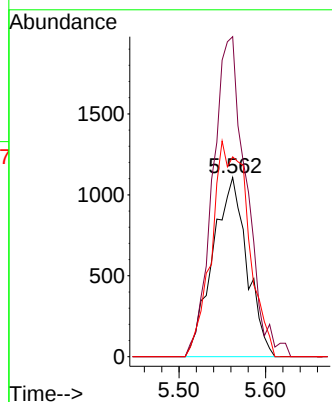
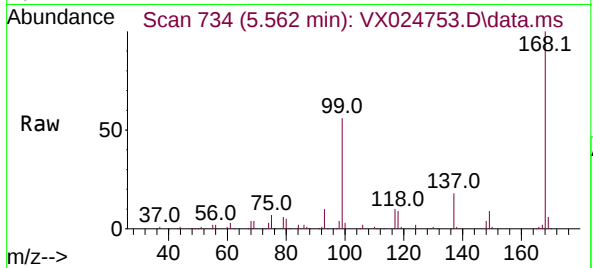




#31
Cyclohexane
Concen: 1.267 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

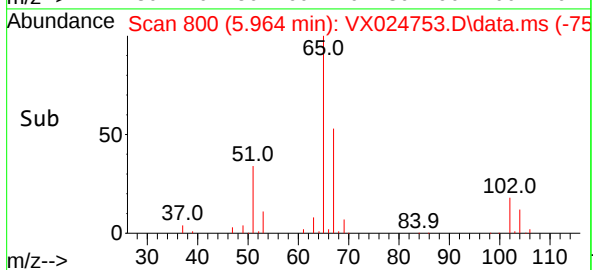
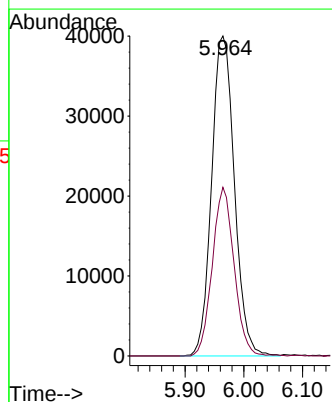
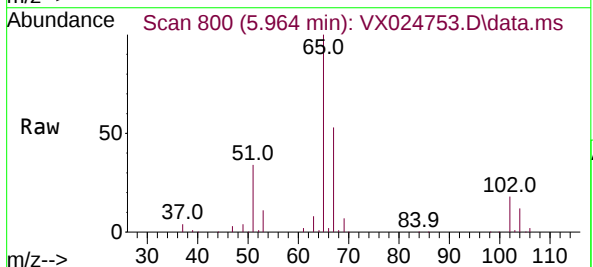
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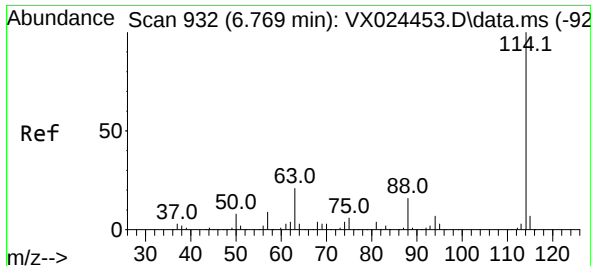
Tgt Ion: 56 Resp: 3050
Ion Ratio Lower Upper
56 100
69 178.6 25.3 37.9#
84 111.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.653 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

Tgt Ion: 65 Resp: 107881
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.4

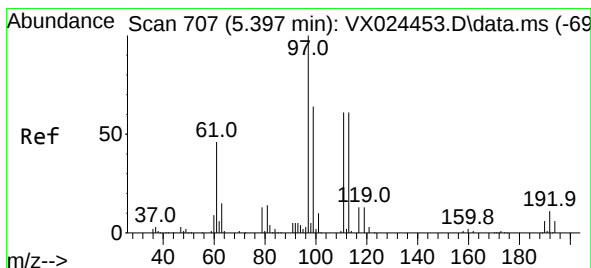
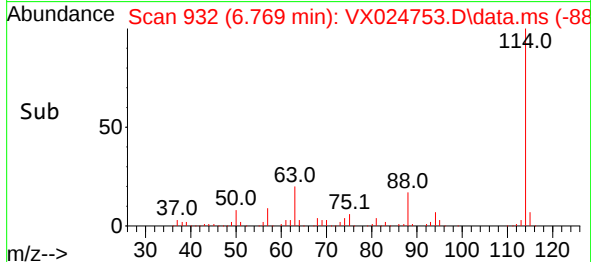
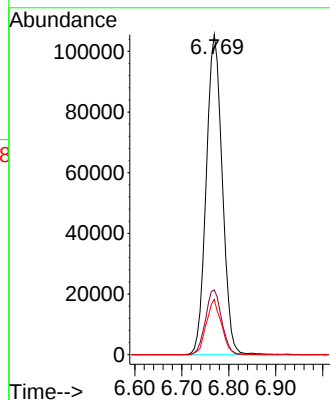
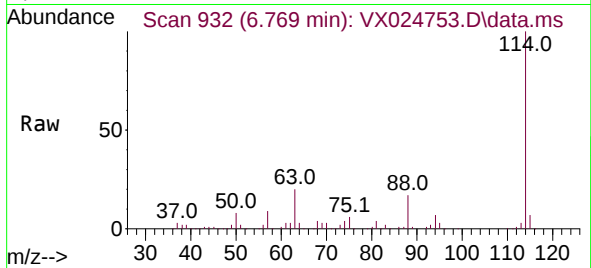




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

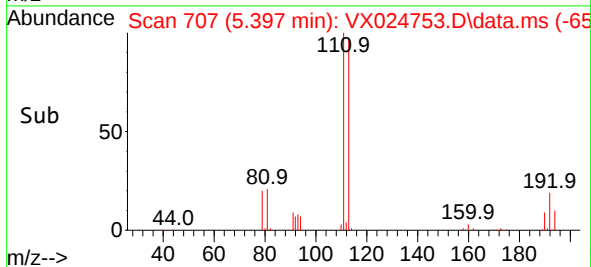
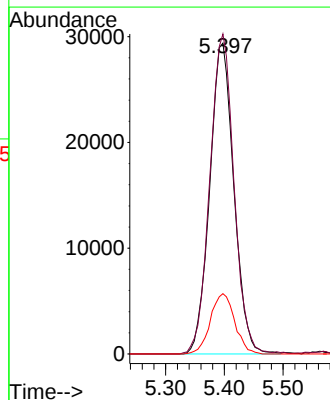
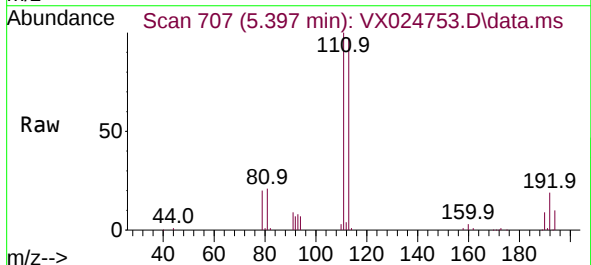
Instrument :
MSVOA_X
ClientSampleId :

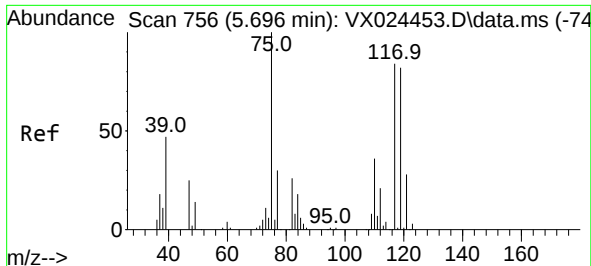
Tgt Ion:114 Resp: 249014
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 17.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.661 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

Tgt Ion:113 Resp: 83806
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 19.6 16.7 25.1

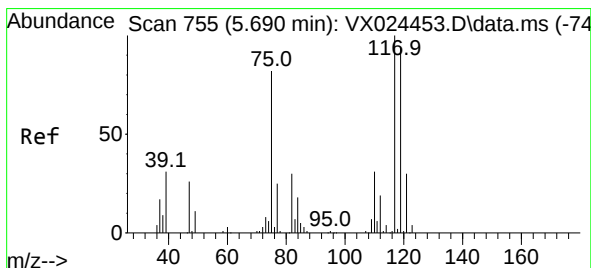
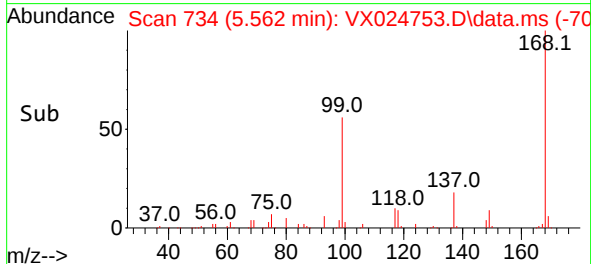
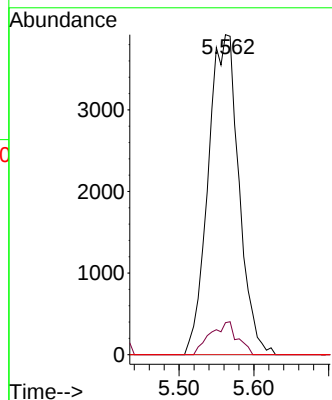
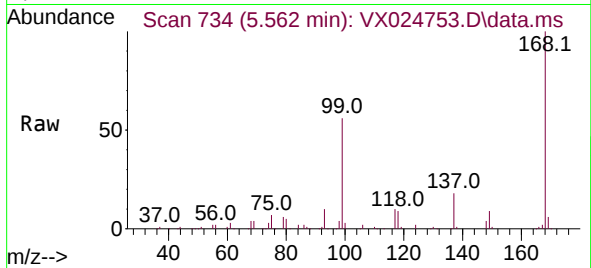




#36
1,1-Dichloropropene
Concen: 4.685 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

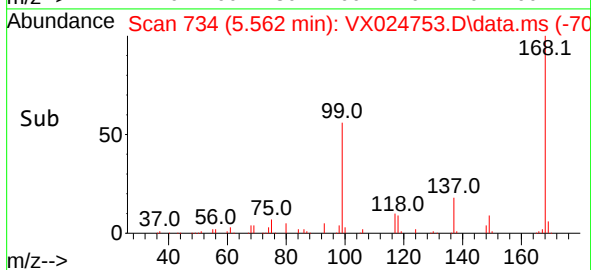
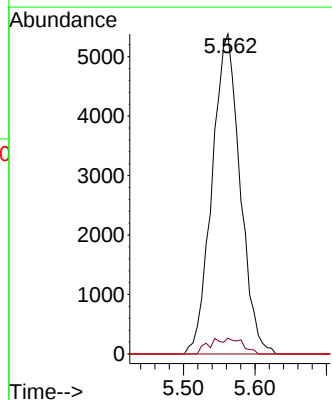
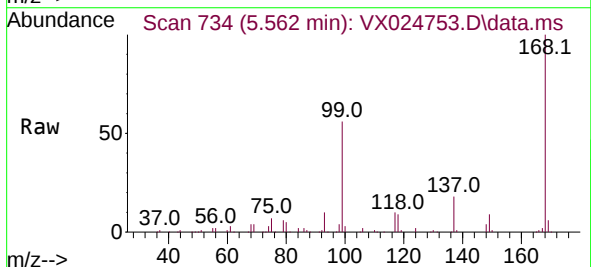
Instrument :
MSVOA_X
ClientSampleId :

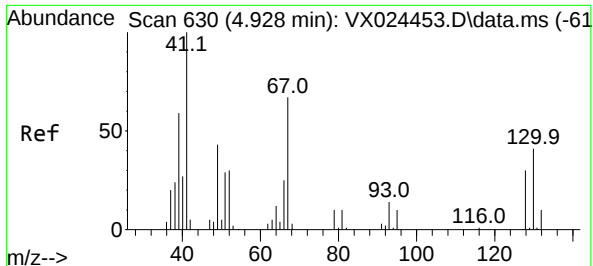
Tgt Ion: 75 Resp: 11183
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.641 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

Tgt Ion:117 Resp: 14658
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#

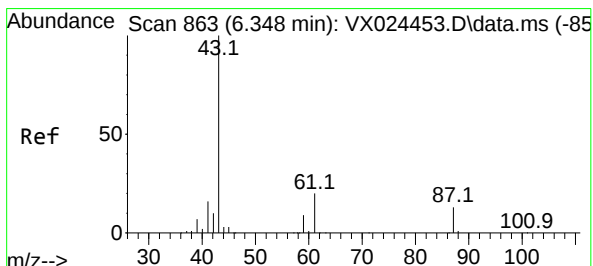
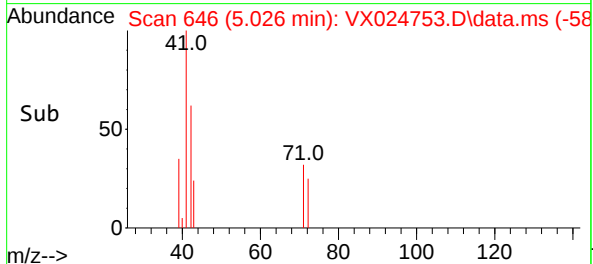
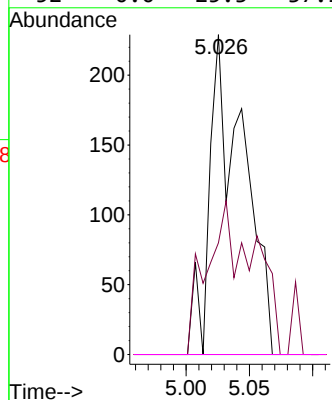
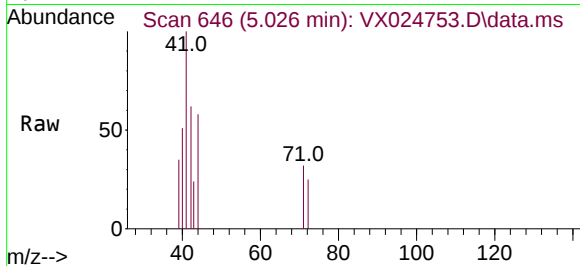




#41
Methacrylonitrile
Concen: 0.280 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.098 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

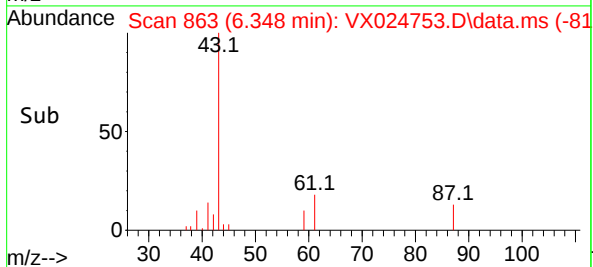
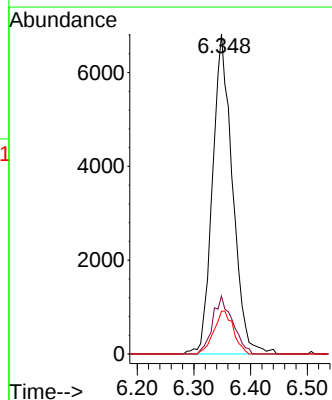
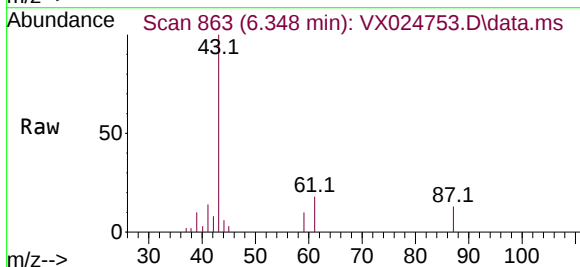
Instrument :
MSVOA_X
ClientSampled :

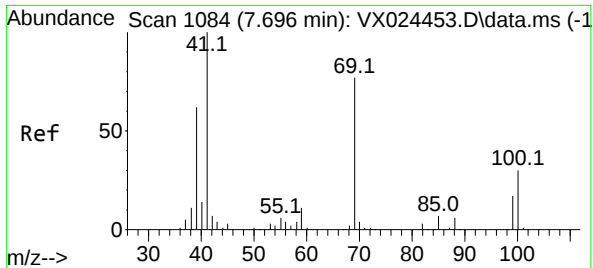
Tgt Ion:	41	Resp:	431
Ion	Ratio	Lower	Upper
41	100		
39	48.7	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 3.689 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

Tgt Ion:	43	Resp:	16715
Ion	Ratio	Lower	Upper
43	100		
61	18.0	18.2	27.4#
87	13.1	12.5	18.7

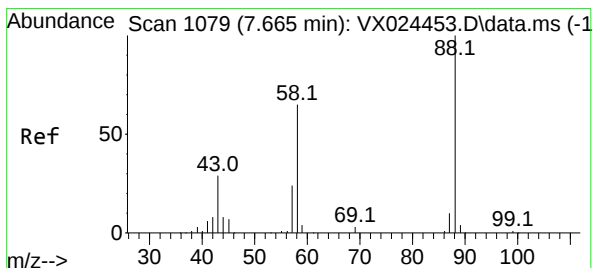
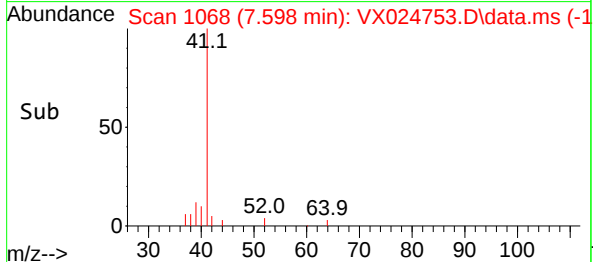
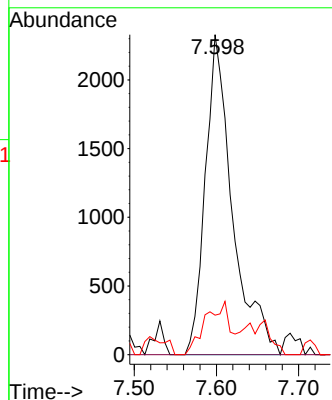
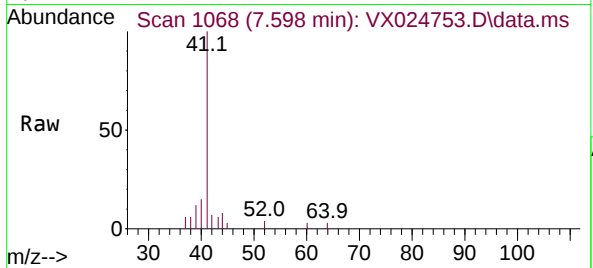




#48
Methyl methacrylate
Concen: 2.383 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

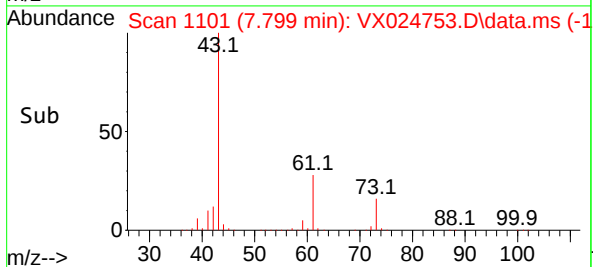
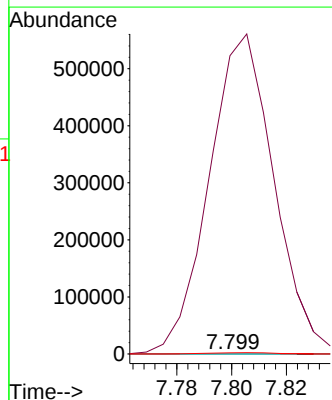
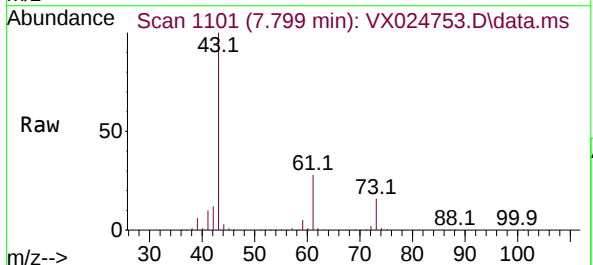
Instrument :
MSVOA_X
ClientSampled :

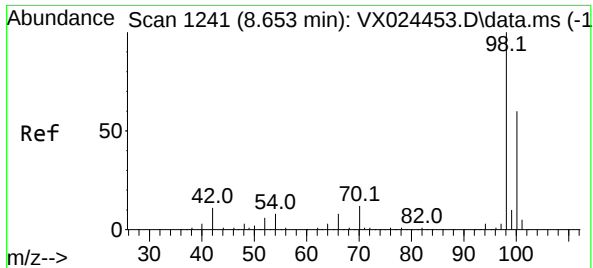
Tgt Ion: 41 Resp: 5346
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.355 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 769927.3 23.2 34.8#
58 3410.7 55.0 82.4#

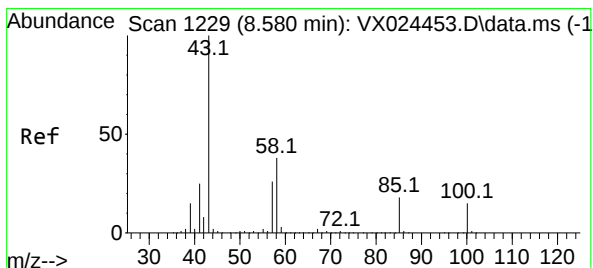
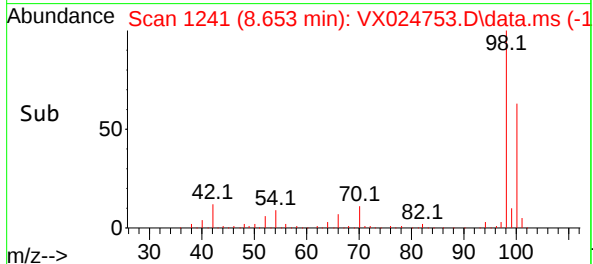
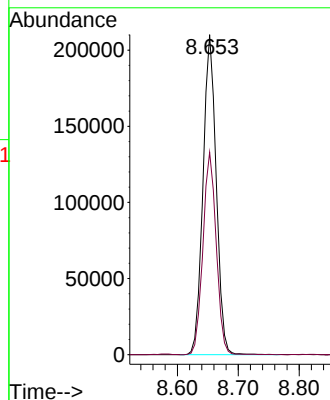
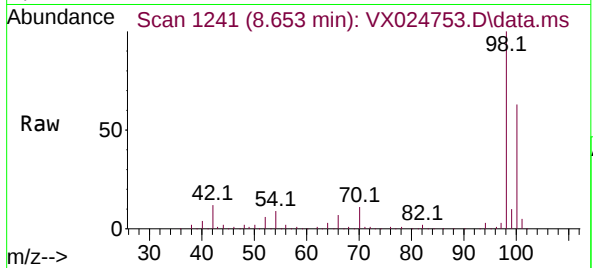




#50
Toluene-d8
Concen: 52.060 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

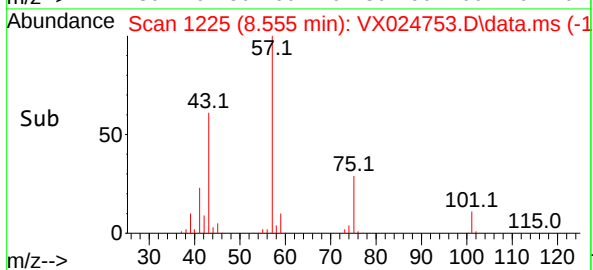
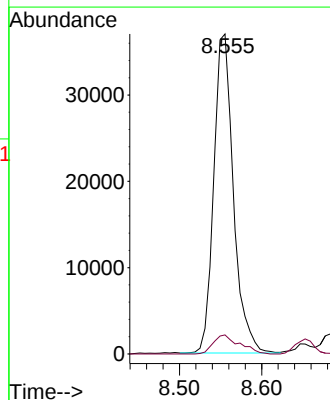
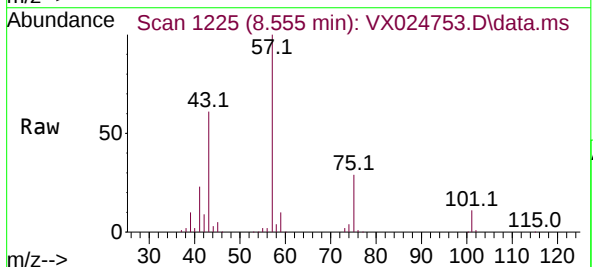
Instrument :
MSVOA_X
ClientSampled :

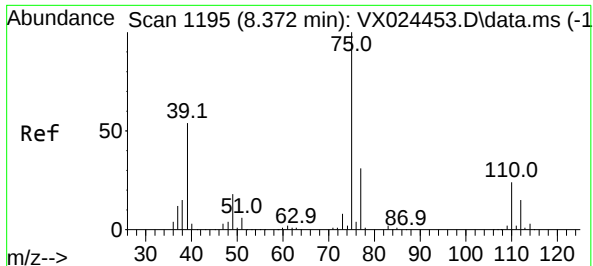
Tgt Ion: 98 Resp: 316973
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 20.532 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

Tgt Ion: 43 Resp: 61419
Ion Ratio Lower Upper
43 100
58 8.0 35.4 53.0#

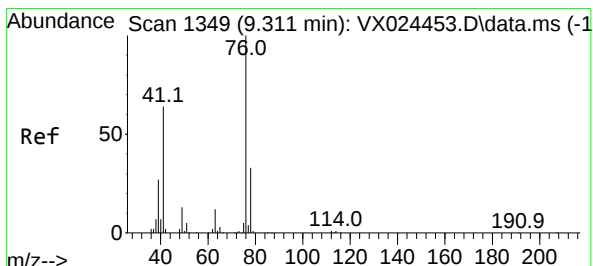
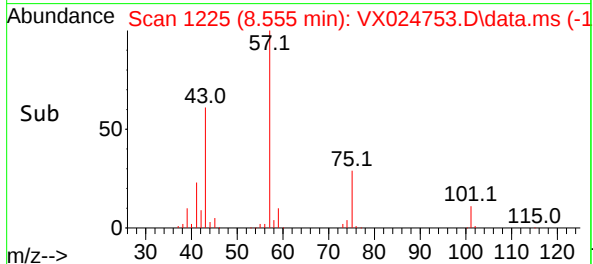
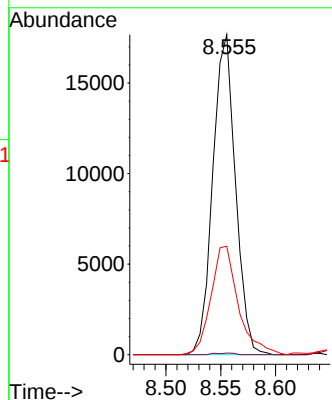
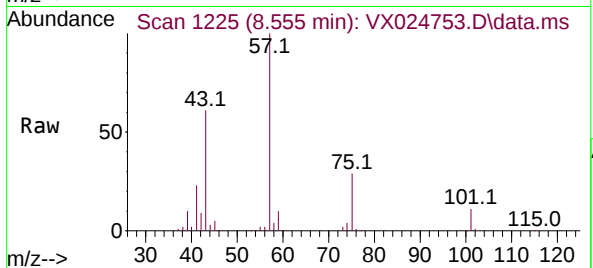




#54
cis-1,3-Dichloropropene
Concen: 9.120 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

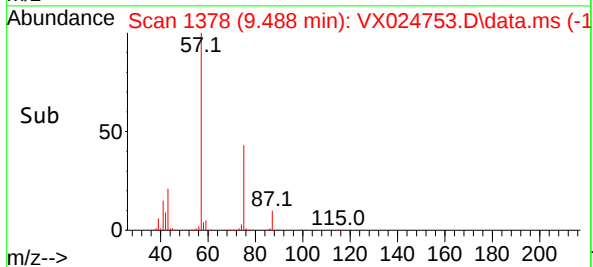
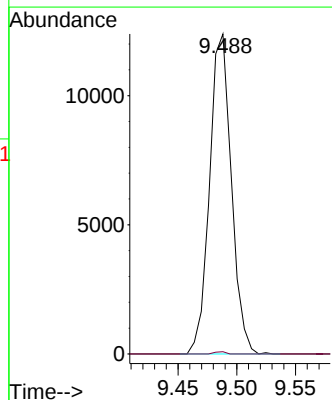
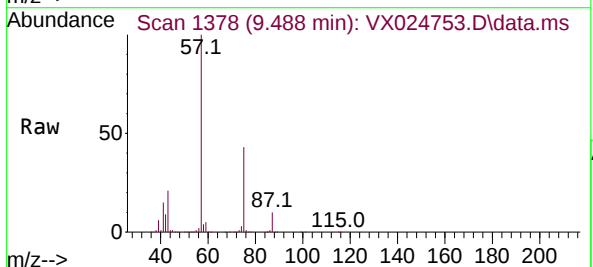
Instrument :
MSVOA_X
ClientSampled :

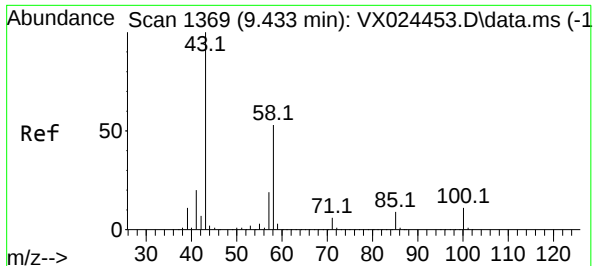
Tgt Ion: 75 Resp: 25437
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 33.9 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 5.203 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

Tgt Ion: 76 Resp: 16005
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

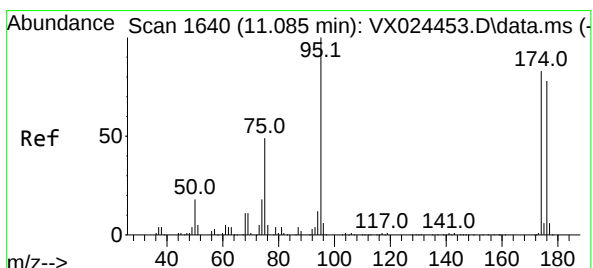
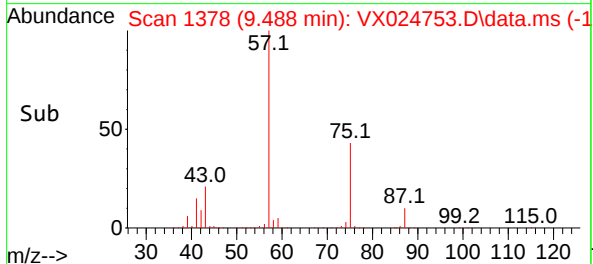
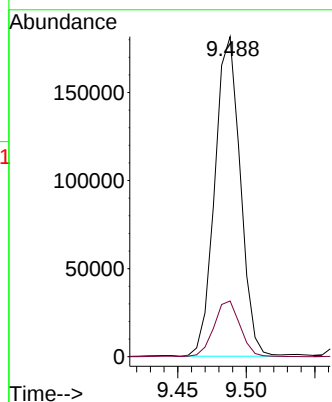
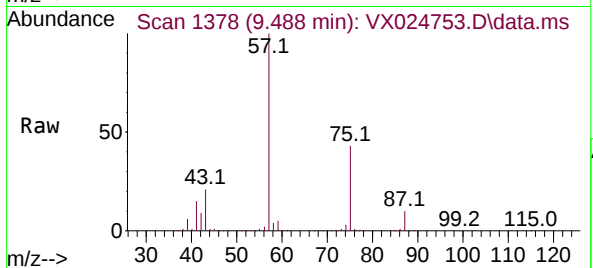




#59
2-Hexanone
Concen: 99.591 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

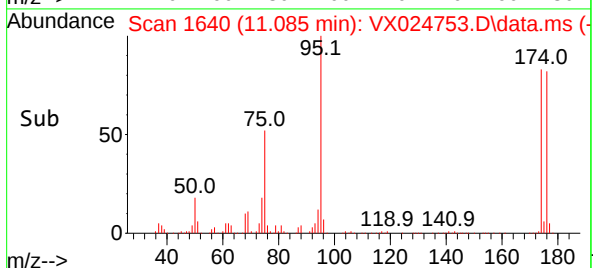
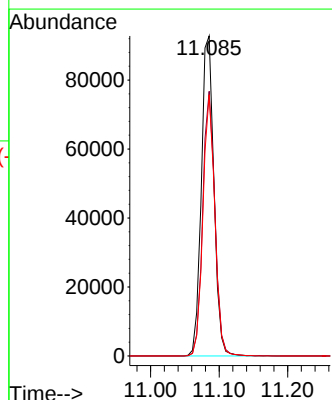
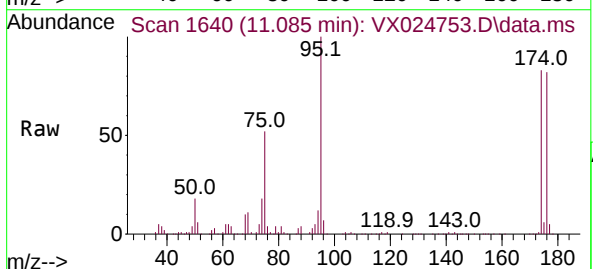
Instrument :
MSVOA_X
ClientSampled :

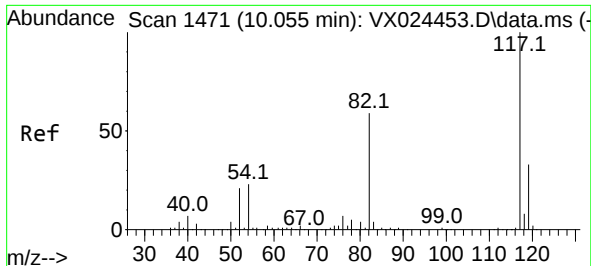
Tgt Ion: 43 Resp: 234608
Ion Ratio Lower Upper
43 100
58 17.9 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 49.596 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

Tgt Ion: 95 Resp: 118728
Ion Ratio Lower Upper
95 100
174 80.0 0.0 154.6
176 77.4 0.0 155.8

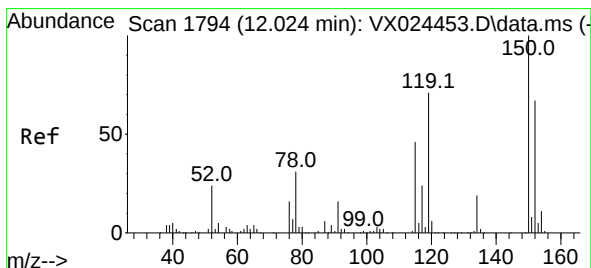
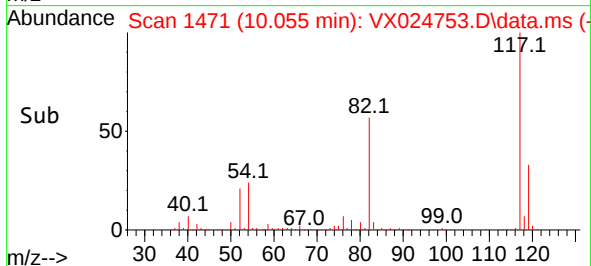
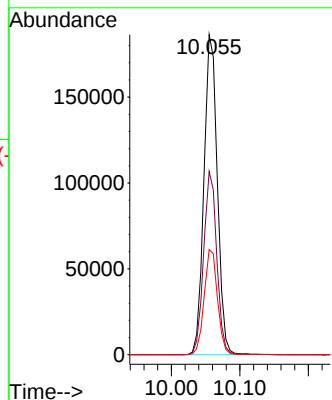
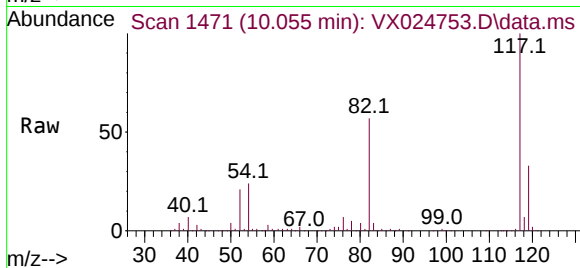




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

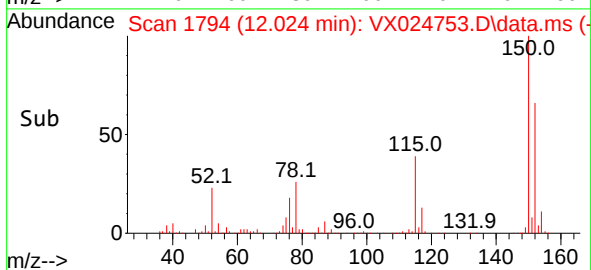
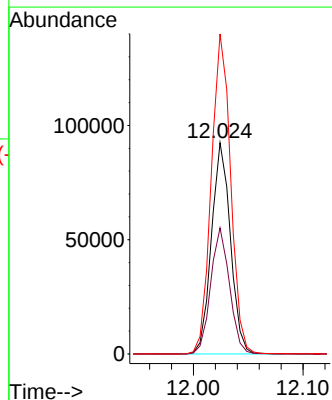
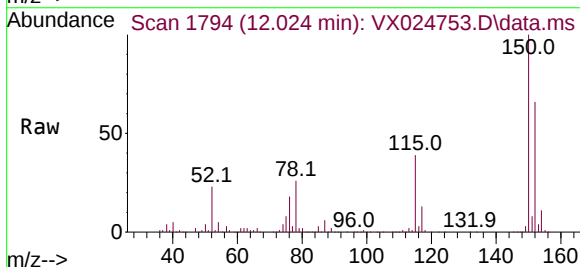
Instrument :
MSVOA_X
ClientSampleId :

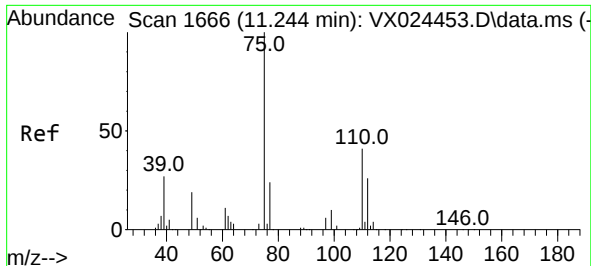
Tgt Ion:117 Resp: 253885
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 32.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

Tgt Ion:152 Resp: 111143
Ion Ratio Lower Upper
152 100
115 59.2 41.1 123.3
150 154.6 0.0 349.0

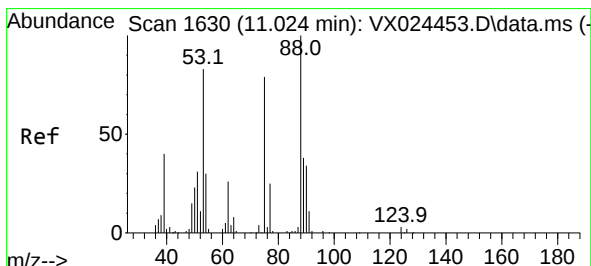
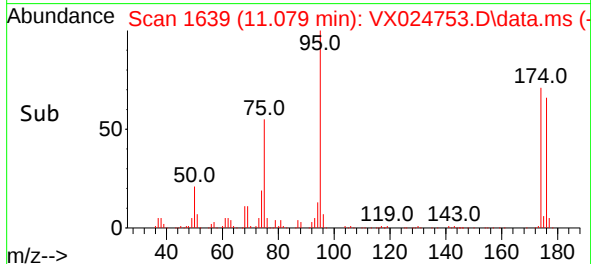
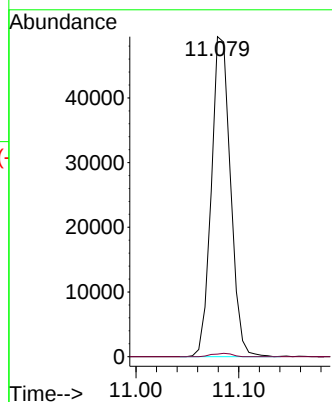
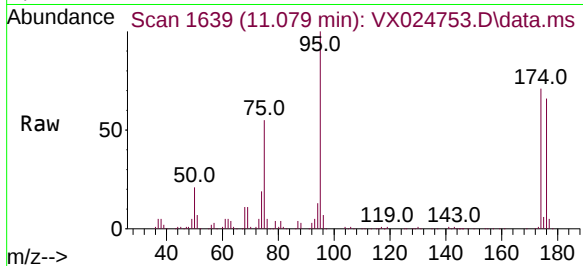




#76
1,2,3-Trichloropropane
Concen: 25.377 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 64051
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.172 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX024753.D
Acq: 12 Oct 2021 08:51

Tgt Ion: 75 Resp: 64051
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

