

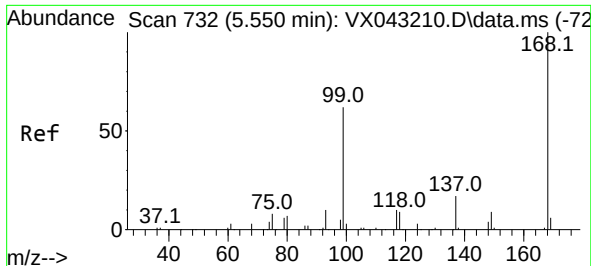
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102124\
 Data File : VX043462.D
 Acq On : 21 Oct 2024 18:07
 Operator : JC/MD
 Sample : PB164196ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 22 02:43:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 16:50:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	94228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	177663	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81802	53.157	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.320%	
35) Dibromofluoromethane	5.385	113	58168	47.475	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.940%	
50) Toluene-d8	8.647	98	210425	49.558	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.120%	
62) 4-Bromofluorobenzene	11.079	95	77290	50.106	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.220%	
Target Compounds						Qvalue
5) Bromomethane	1.605	94	269	0.582	ug/l #	2
11) Tert butyl alcohol	2.940	59	2765	9.442	ug/l #	71
13) Acrolein	2.227	56	89	0.322	ug/l #	1
16) Acetone	2.386	43	28490	44.332	ug/l	96
18) Methyl Acetate	2.709	43	3732	2.315	ug/l	96
20) Methylene Chloride	2.788	84	3603	3.041	ug/l #	84
23) Vinyl Acetate	3.690	43	134	6.374	ug/l #	71
25) 2-Butanone	4.593	43	3882	4.406	ug/l #	89
29) Tetrahydrofuran	5.031	42	273	0.486	ug/l #	31
31) Cyclohexane	5.544	56	2140	1.289	ug/l #	18
36) 1,1-Dichloropropene	5.556	75	8281	5.350	ug/l #	51
37) Ethyl Acetate	4.757	43	1325	0.713	ug/l #	91
38) Carbon Tetrachloride	5.556	117	10790	5.888	ug/l #	17
43) Isopropyl Acetate	6.348	43	107226	34.925	ug/l	99
48) Methyl methacrylate	7.799	41	96099	63.792	ug/l #	44
49) 1,4-Dioxane	7.781	88	50	1.707	ug/l #	23
51) 4-Methyl-2-Pentanone	8.549	43	84085	45.093	ug/l #	47
53) t-1,3-Dichloropropene	8.958	75	628	0.348	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	36153	18.696	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	4609	2.315	ug/l #	43
59) 2-Hexanone	9.482	43	65899	46.733	ug/l #	53
74) N-amyl acetate	10.640	43	20412	8.113	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	42590	28.166	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	42590	72.997	ug/l #	8

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

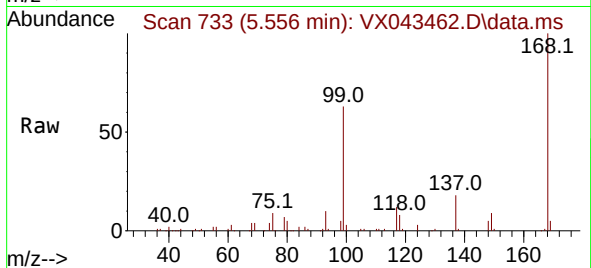


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

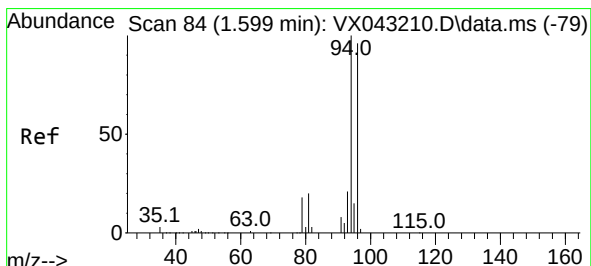
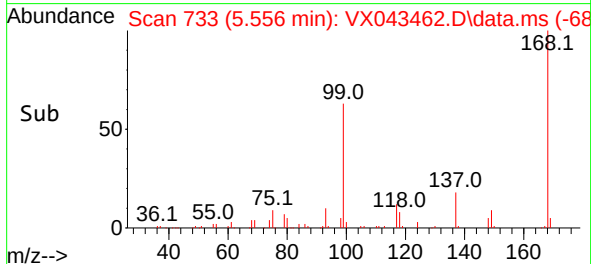
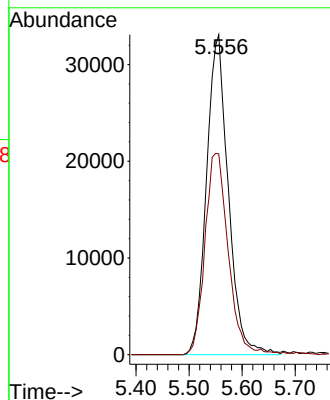
Instrument :

MSVOA_X

ClientSampleId :

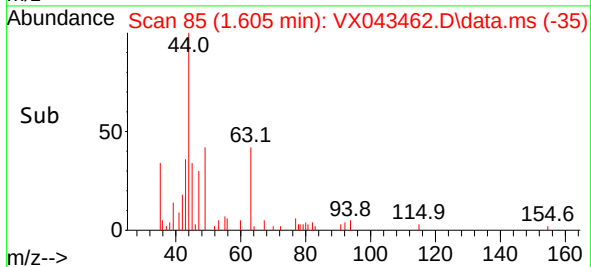
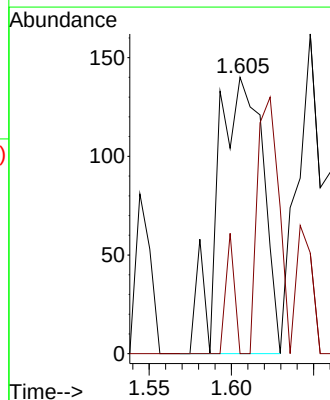
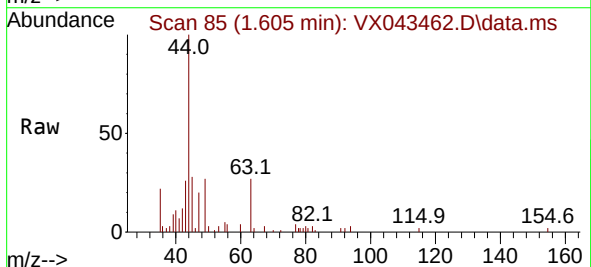


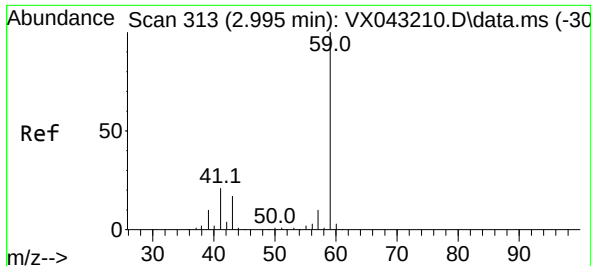
Tgt Ion:168 Resp: 94228
Ion Ratio Lower Upper
168 100
99 62.7 49.7 74.5



#5
Bromomethane
Concen: 0.582 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

Tgt Ion: 94 Resp: 269
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#

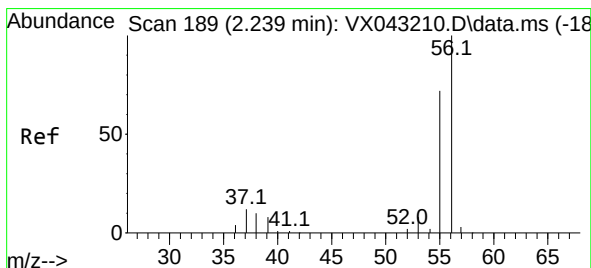
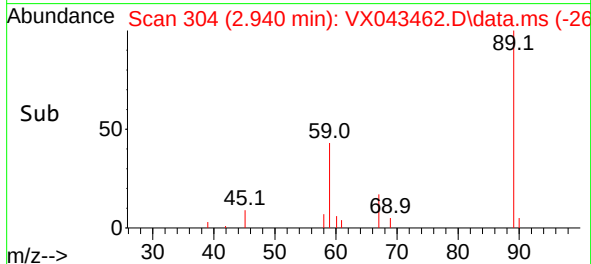
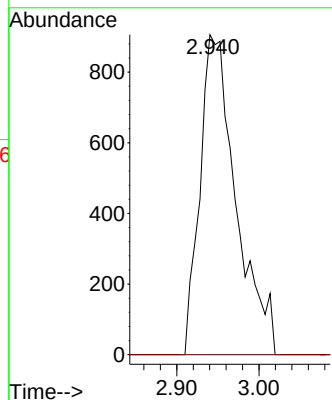
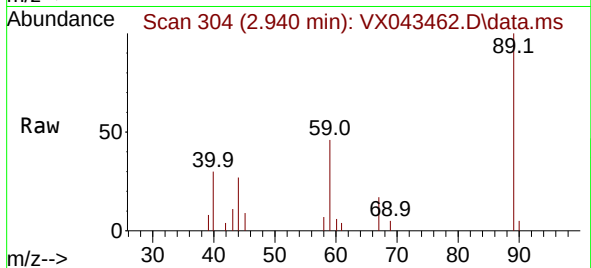




#11
Tert butyl alcohol
Concen: 9.442 ug/l
RT: 2.940 min Scan# 30
Delta R.T. -0.055 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

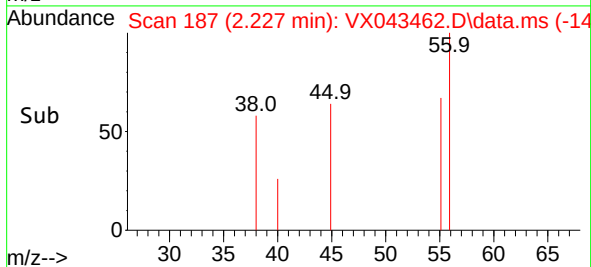
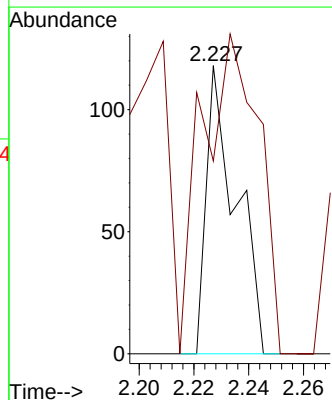
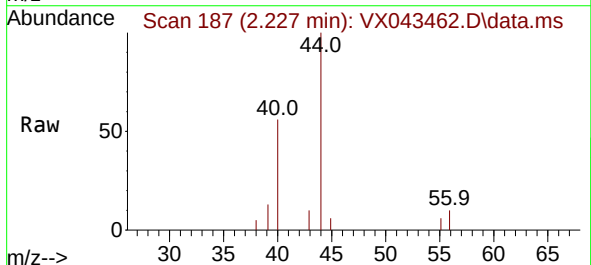
Instrument :
MSVOA_X
ClientSampleId :

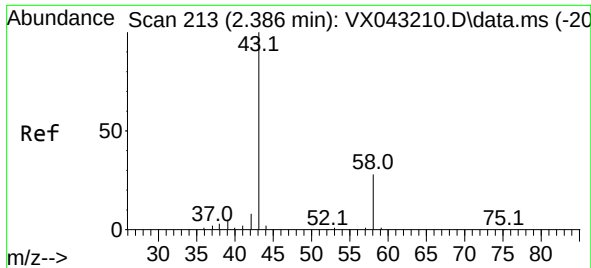
Tgt Ion: 59 Resp: 2765
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: 0.322 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 211.2 57.4 86.0#

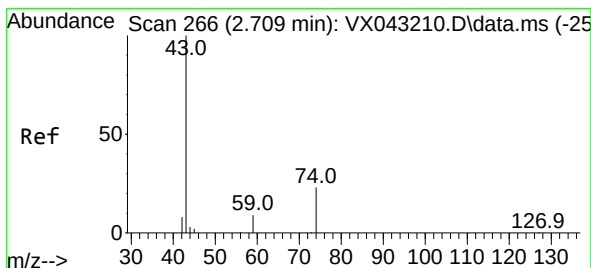
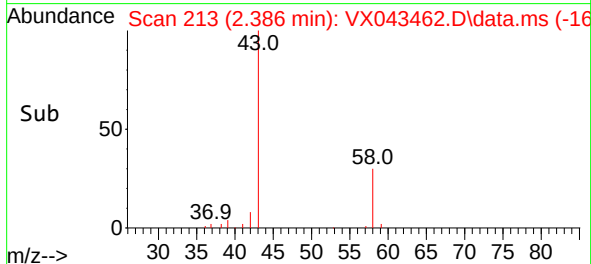
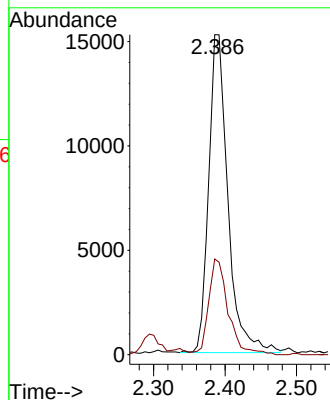
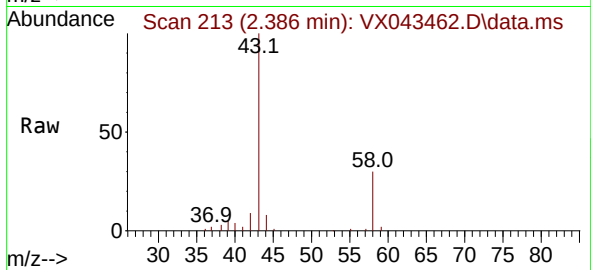




#16
Acetone
Concen: 44.332 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

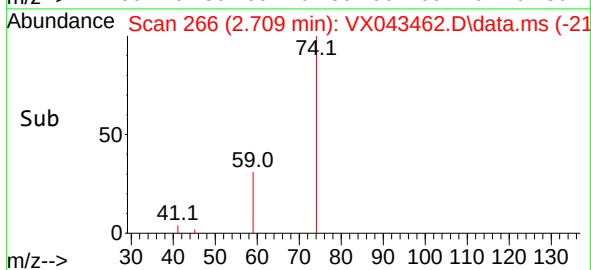
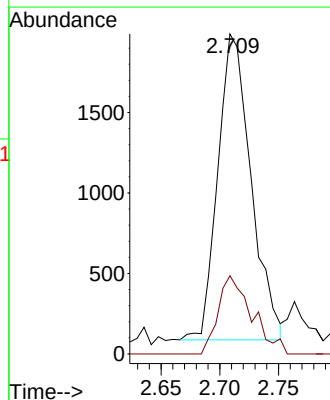
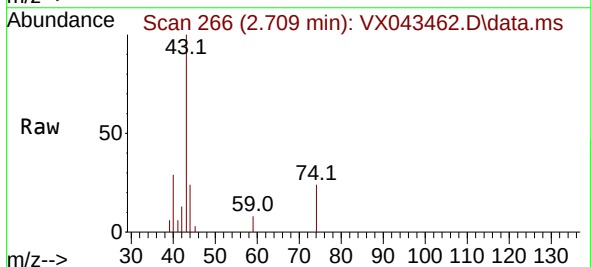
Instrument :
MSVOA_X
ClientSampleId :

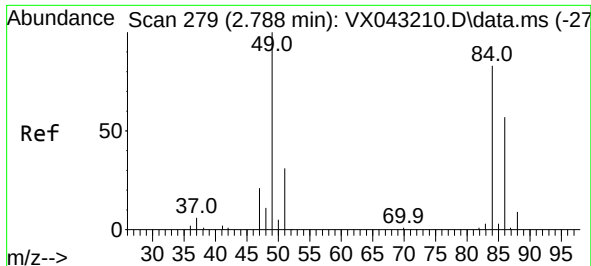
Tgt Ion: 43 Resp: 28490
Ion Ratio Lower Upper
43 100
58 30.1 22.6 33.8



#18
Methyl Acetate
Concen: 2.315 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

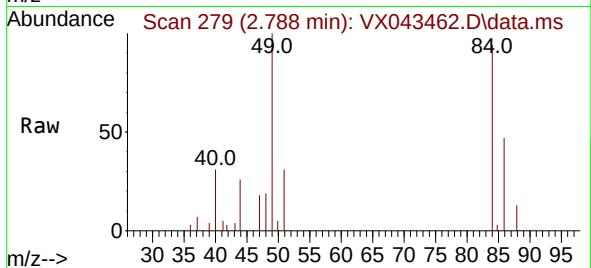
Tgt Ion: 43 Resp: 3732
Ion Ratio Lower Upper
43 100
74 26.0 19.1 28.7



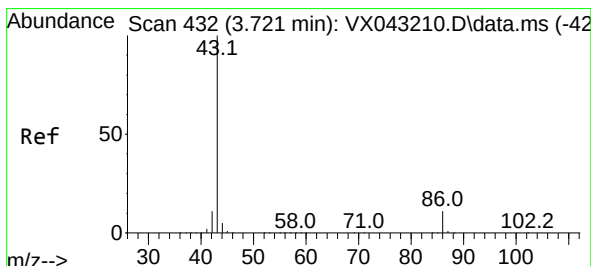
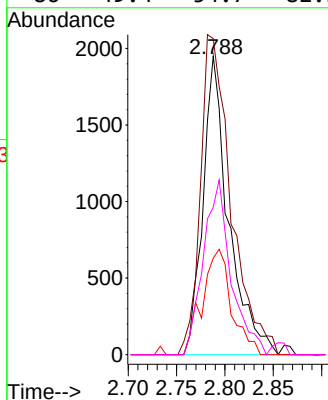
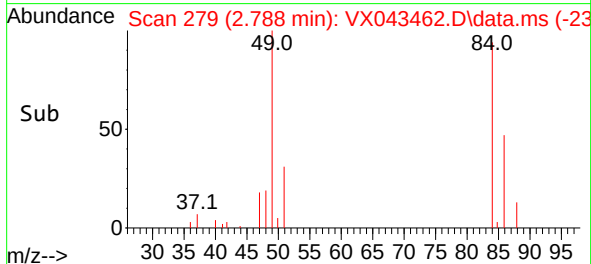


#20
Methylene Chloride
Concen: 3.041 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

Instrument :
MSVOA_X
ClientSampleId :

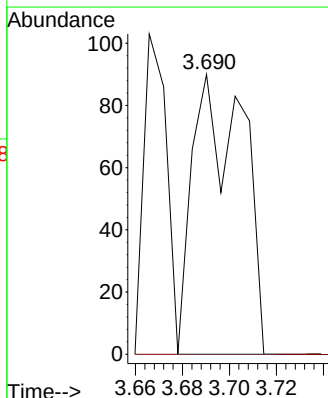
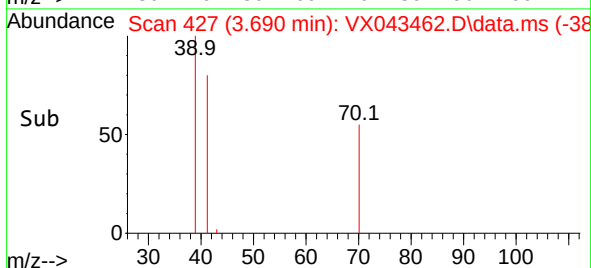
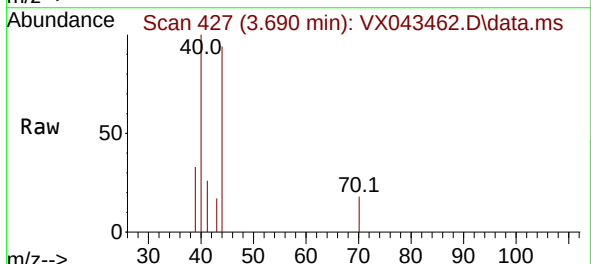


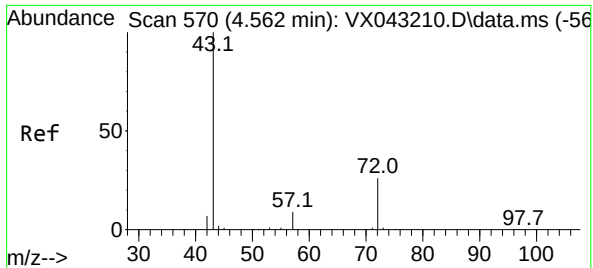
Tgt Ion: 84	Resp: 3603
Ion Ratio	Lower Upper
84 100	
49 105.9	96.7 145.1
51 32.3	30.4 45.6
86 49.4	54.7 82.1#



#23
Vinyl Acetate
Concen: 6.374 ug/l
RT: 3.690 min Scan# 427
Delta R.T. -0.031 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

Tgt Ion: 43	Resp: 134		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	8.8	13.2#	

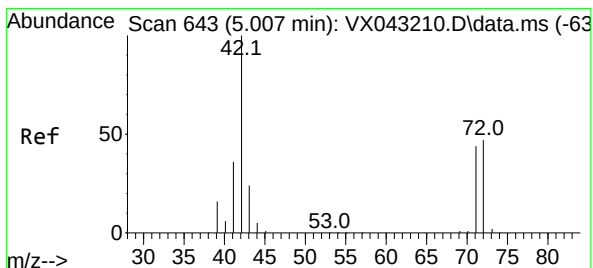
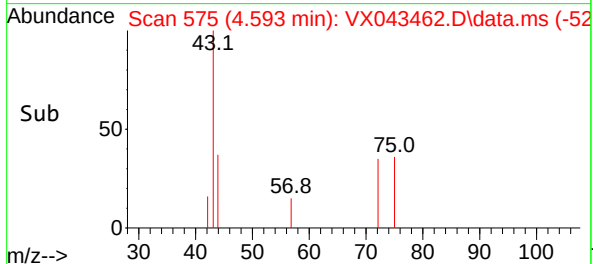
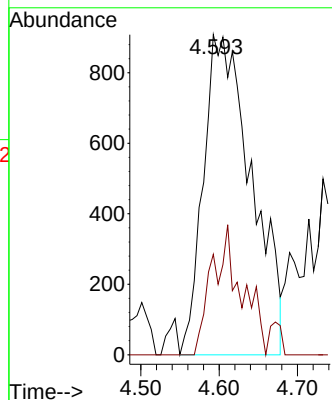
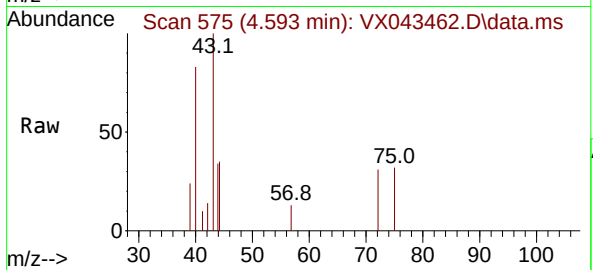




#25
2-Butanone
Concen: 4.406 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

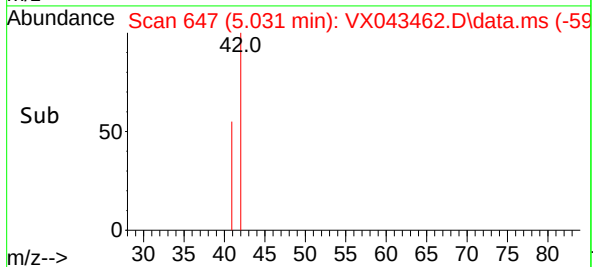
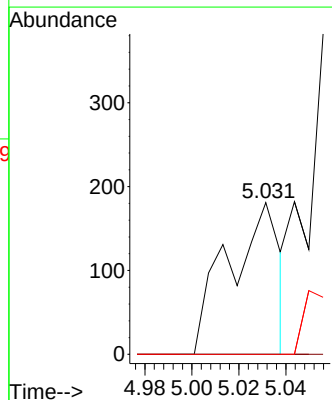
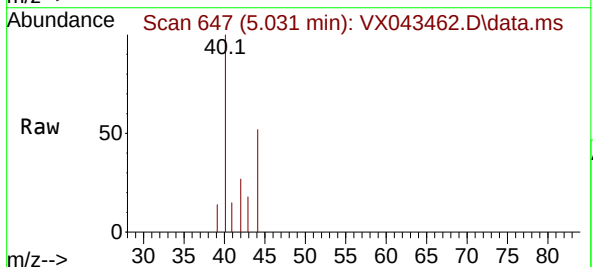
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MSVOA_X
ClientSampleId :

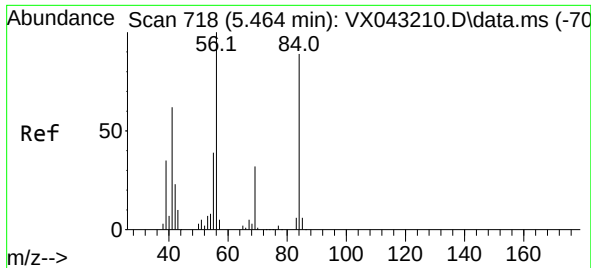
Tgt Ion: 43 Resp: 3882
Ion Ratio Lower Upper
43 100
72 31.4 20.6 31.0#



#29
Tetrahydrofuran
Concen: 0.486 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

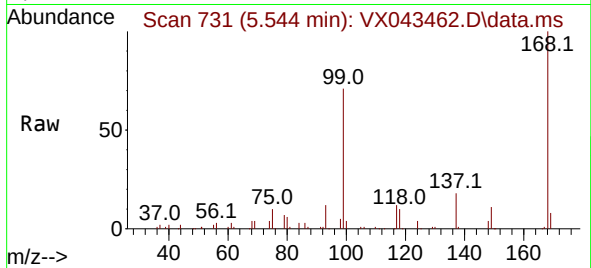
Tgt Ion: 42 Resp: 273
Ion Ratio Lower Upper
42 100
72 0.0 37.7 56.5#
71 0.0 34.6 52.0#



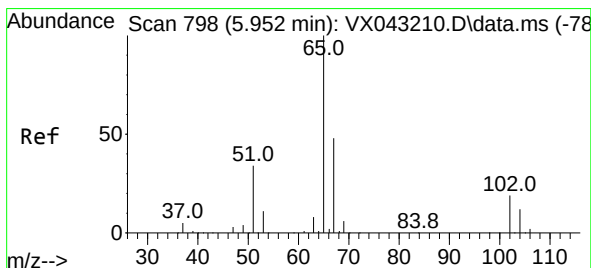
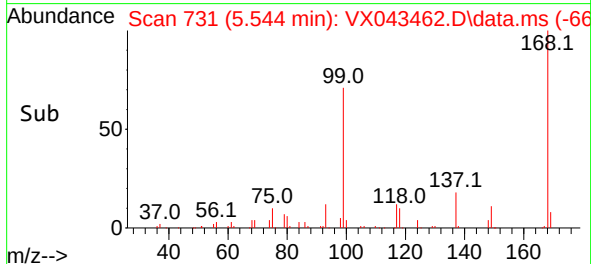
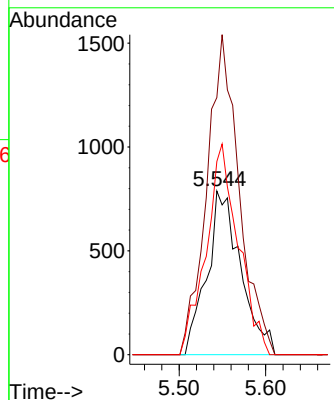


#31
Cyclohexane
Concen: 1.289 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

Instrument :
MSVOA_X
ClientSampleId :

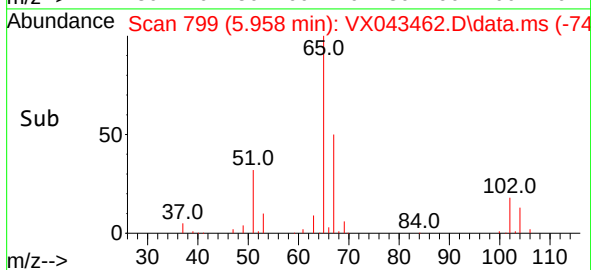
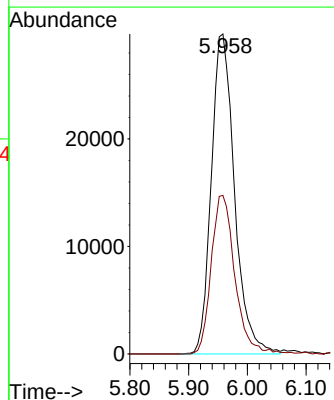
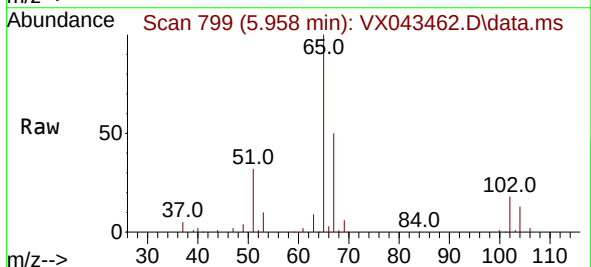


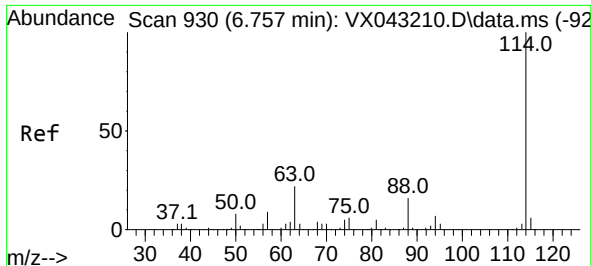
Tgt Ion: 56 Resp: 2140
Ion Ratio Lower Upper
56 100
69 157.1 25.8 38.6#
84 118.0 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 53.157 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

Tgt Ion: 65 Resp: 81802
Ion Ratio Lower Upper
65 100
67 50.4 0.0 99.0

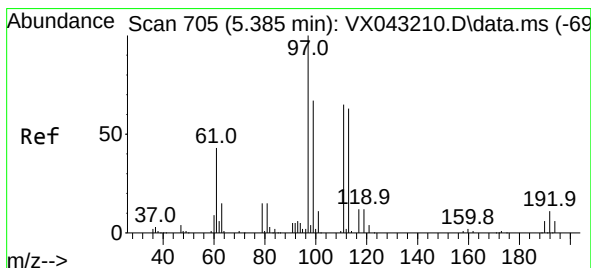
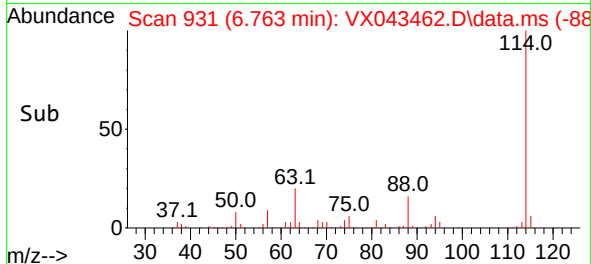
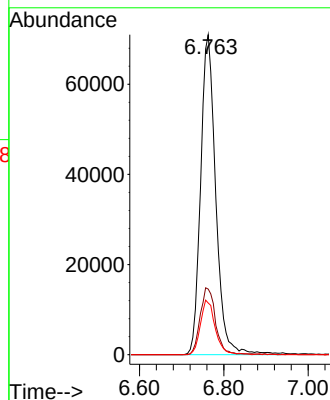
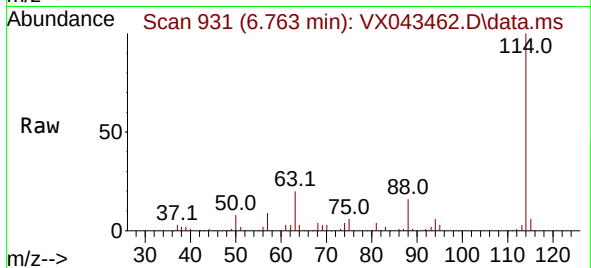




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

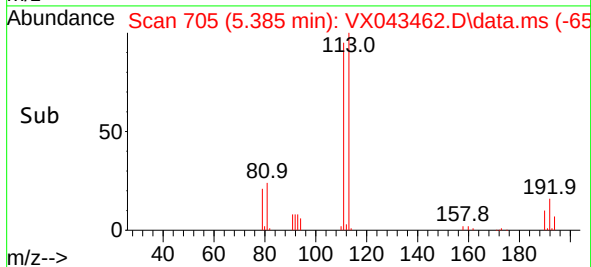
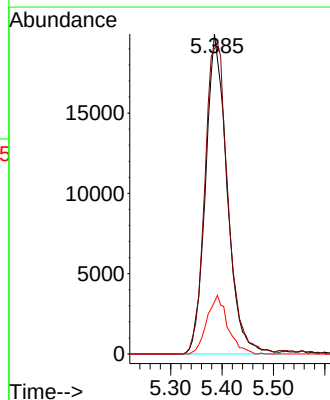
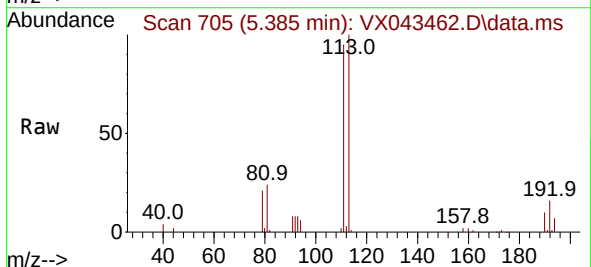
Instrument :
MSVOA_X
ClientSampleId :

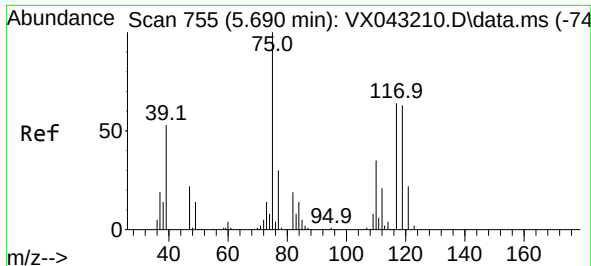
Tgt Ion:114 Resp: 177663
Ion Ratio Lower Upper
114 100
63 20.5 0.0 43.0
88 16.1 0.0 33.0



#35
Dibromofluoromethane
Concen: 47.475 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

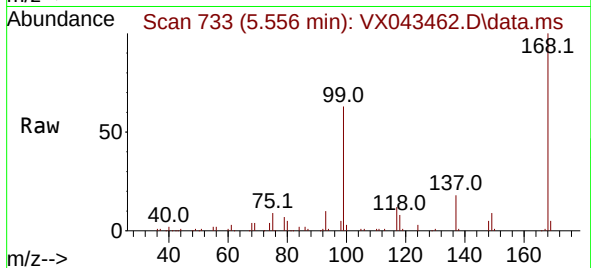
Tgt Ion:113 Resp: 58168
Ion Ratio Lower Upper
113 100
111 103.9 83.4 125.0
192 17.7 14.1 21.1



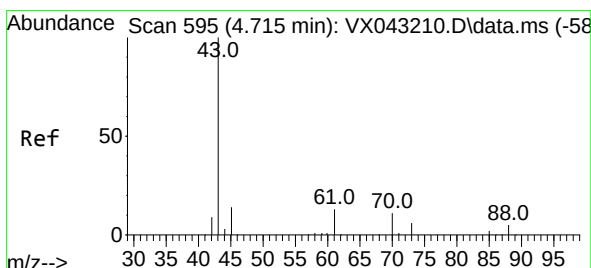
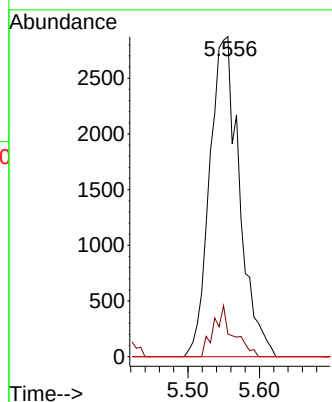
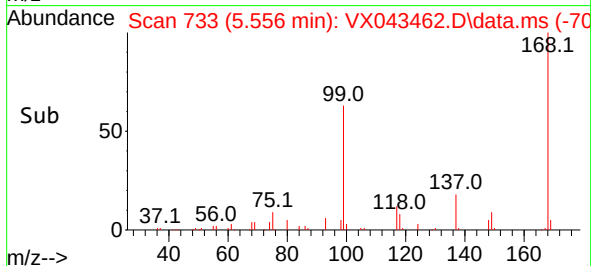


#36
1,1-Dichloropropene
Concen: 5.350 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

Instrument :
MSVOA_X
ClientSampleId :

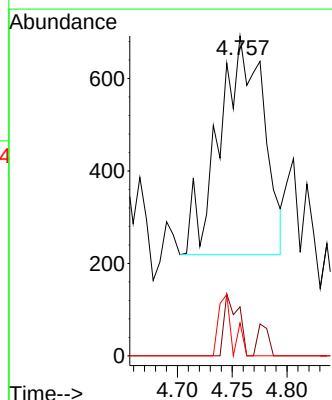
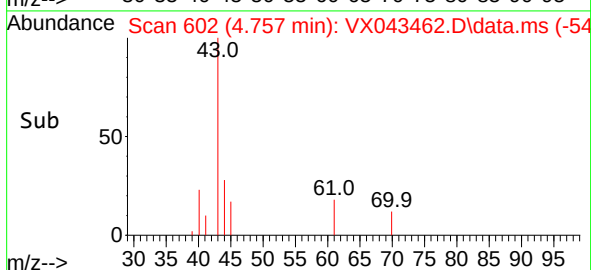
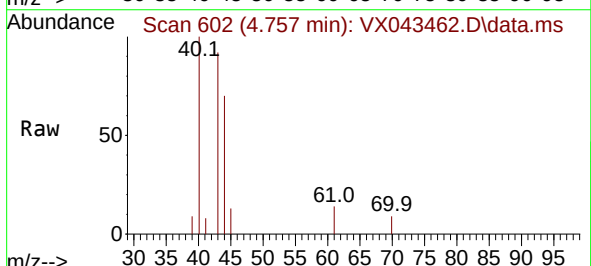


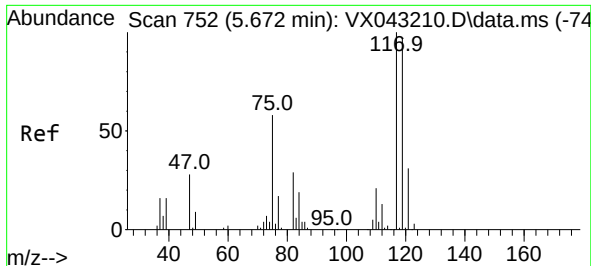
Tgt Ion: 75 Resp: 8281
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.3#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 0.713 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.043 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

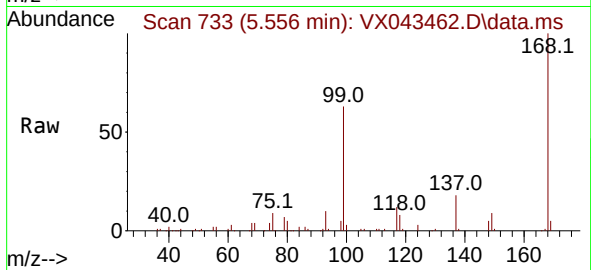
Tgt Ion: 43 Resp: 1325
Ion Ratio Lower Upper
43 100
61 9.1 11.0 16.4#
70 8.8 8.9 13.3#



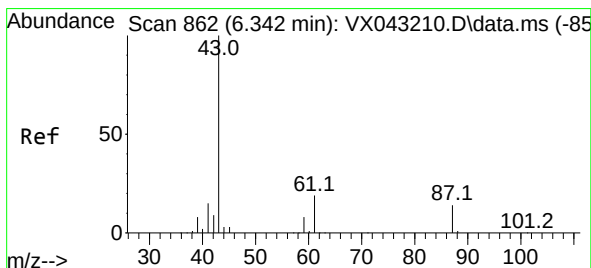
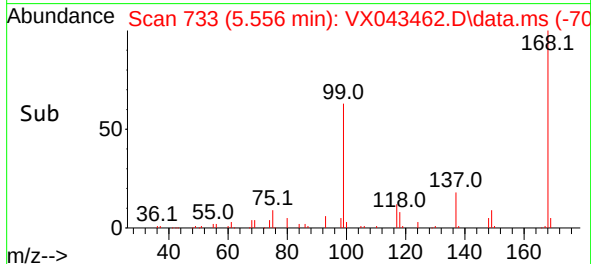
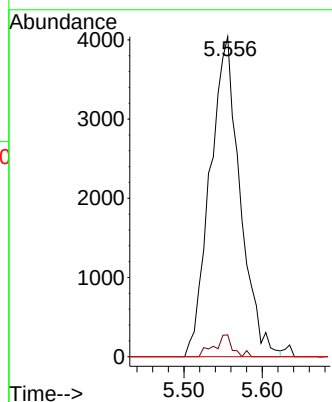


#38
Carbon Tetrachloride
Concen: 5.888 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

Instrument :
MSVOA_X
ClientSampleId :

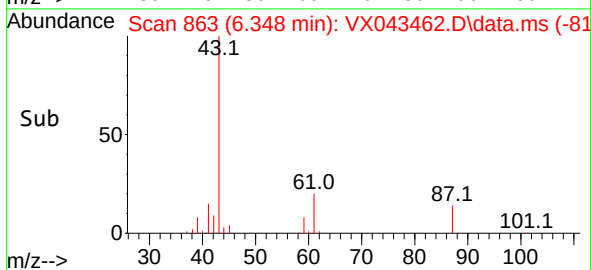
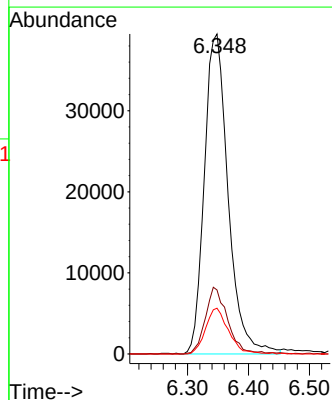
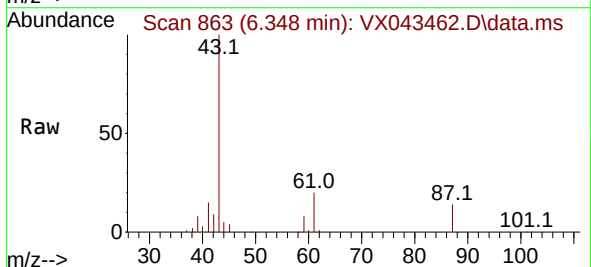


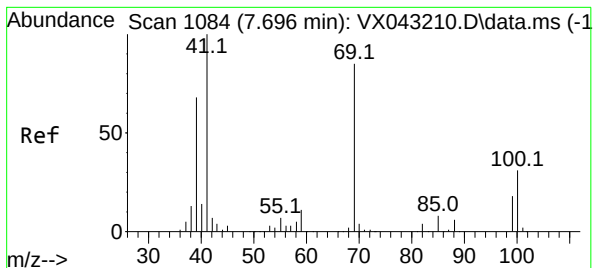
Tgt Ion:117 Resp: 10790
Ion Ratio Lower Upper
117 100
119 6.8 77.7 116.5#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 34.925 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

Tgt Ion: 43 Resp: 107226
Ion Ratio Lower Upper
43 100
61 19.7 15.1 22.7
87 13.7 10.8 16.2





#48

Methyl methacrylate

Concen: 63.792 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX043462.D

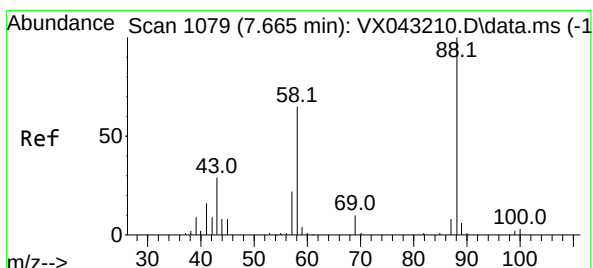
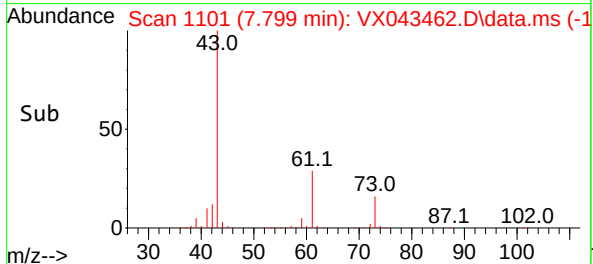
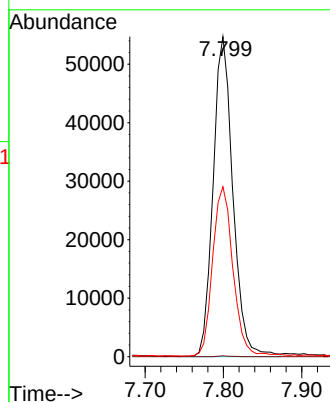
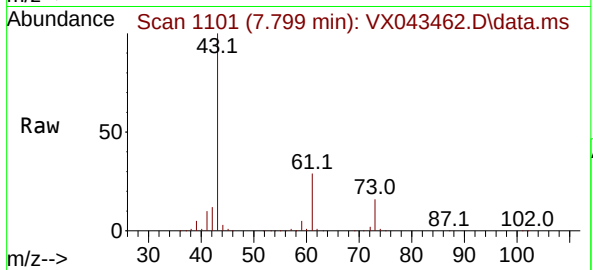
Acq: 21 Oct 2024 18:07

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 41	Resp: 96099
Ion Ratio	Lower Upper
41	100
69	0.2 64.1 96.1#
39	54.3 52.8 79.2



#49

1,4-Dioxane

Concen: 1.707 ug/l

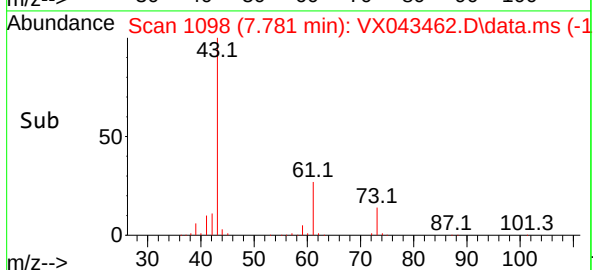
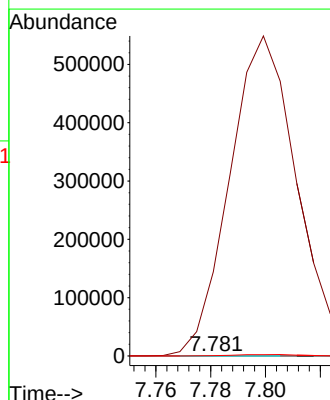
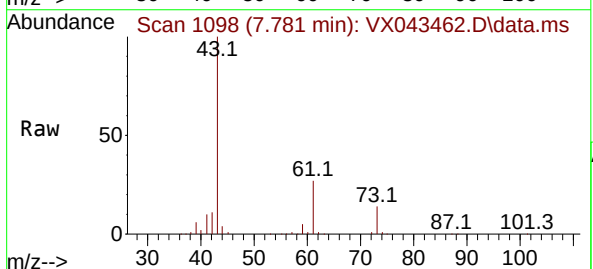
RT: 7.781 min Scan# 1098

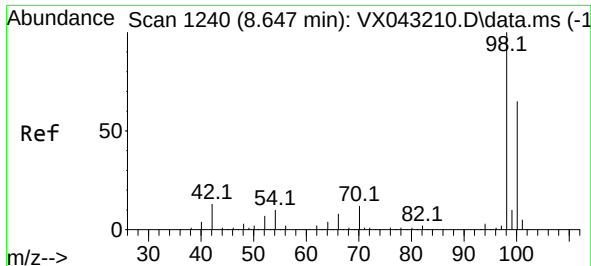
Delta R.T. 0.116 min

Lab File: VX043462.D

Acq: 21 Oct 2024 18:07

Tgt Ion: 88	Resp: 50
Ion Ratio	Lower Upper
88	100
43	0.0 29.5 44.3#
58	0.0 55.2 82.8#

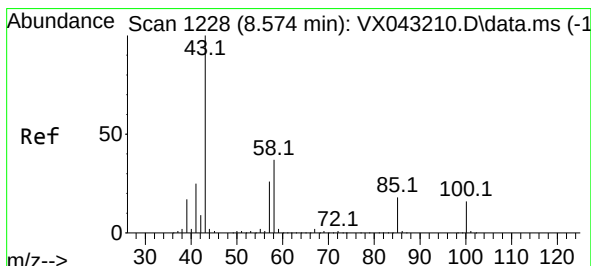
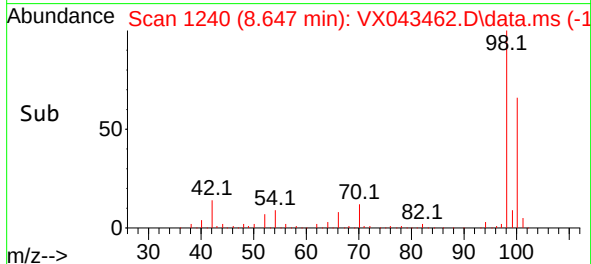
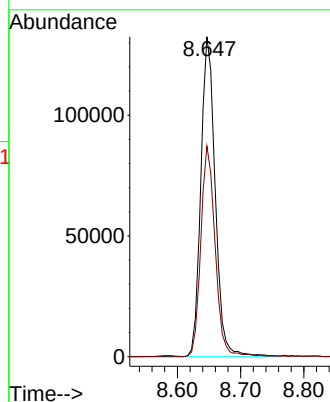
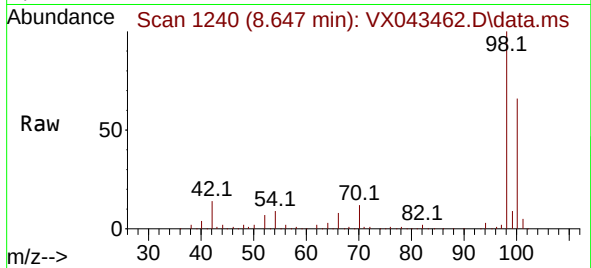




#50
Toluene-d8
Concen: 49.558 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

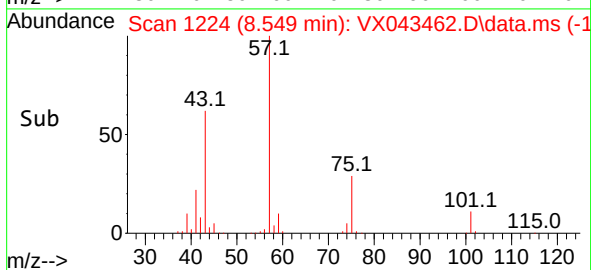
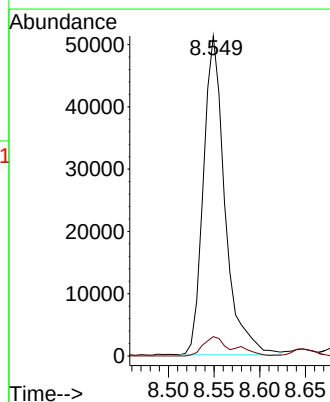
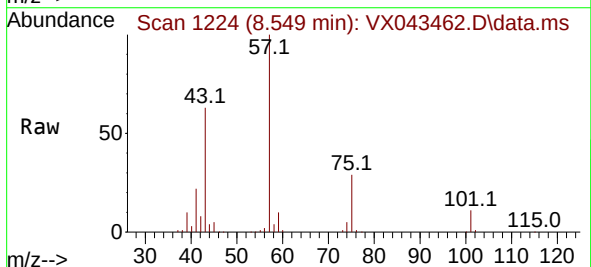
Instrument :
MSVOA_X
ClientSampleId :

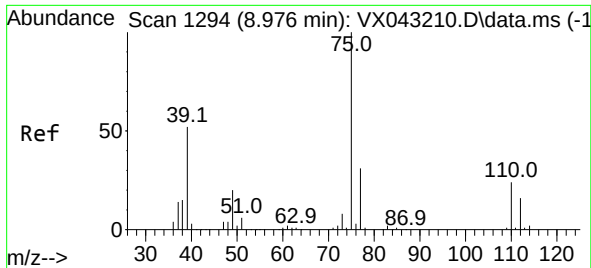
Tgt Ion: 98 Resp: 210425
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 45.093 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

Tgt Ion: 43 Resp: 84085
Ion Ratio Lower Upper
43 100
58 5.8 30.0 45.0#

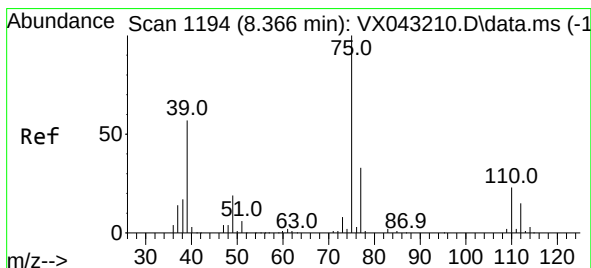
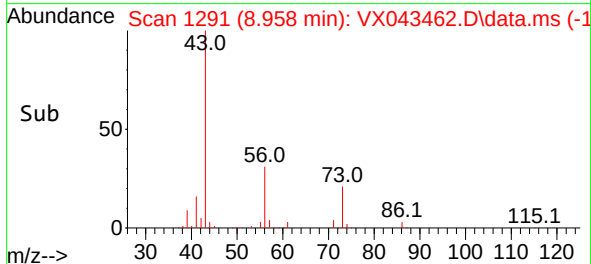
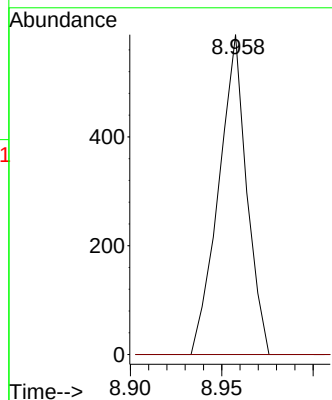
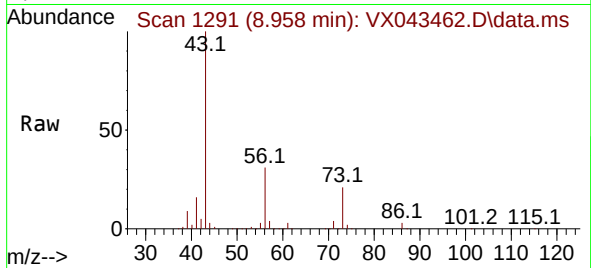




#53
t-1,3-Dichloropropene
Concen: 0.348 ug/l
RT: 8.958 min Scan# 1124
Delta R.T. -0.018 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

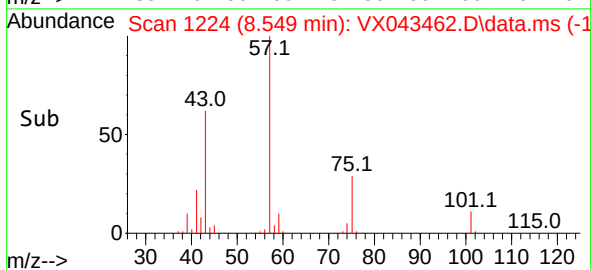
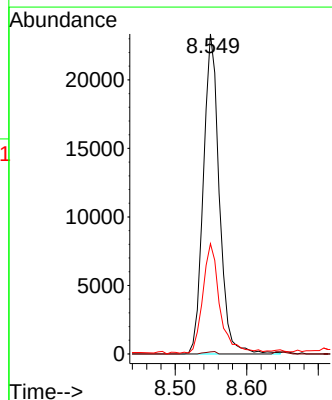
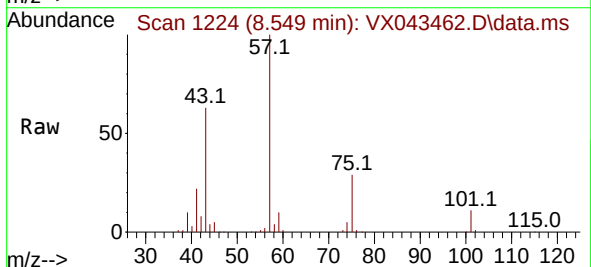
Instrument :
MSVOA_X
ClientSampleId :

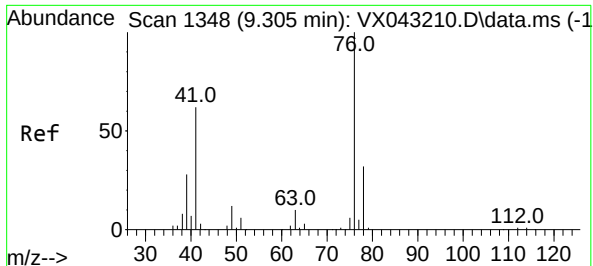
Tgt Ion: 75 Resp: 628
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 18.696 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

Tgt Ion: 75 Resp: 36153
Ion Ratio Lower Upper
75 100
77 0.6 26.0 39.0#
39 34.2 45.8 68.8#

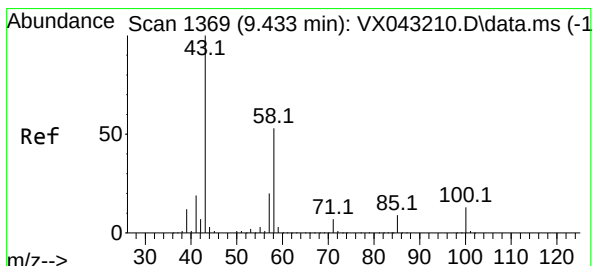
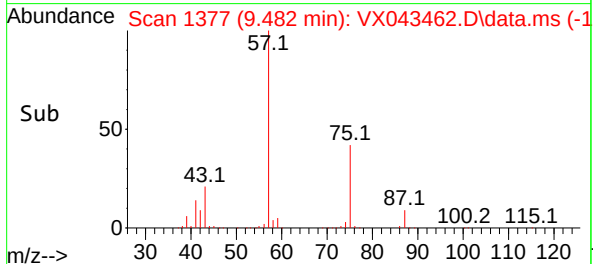
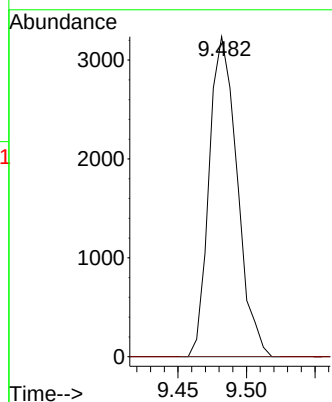
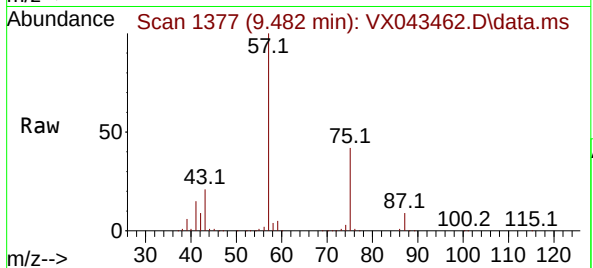




#57
1,3-Dichloropropane
Concen: 2.315 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

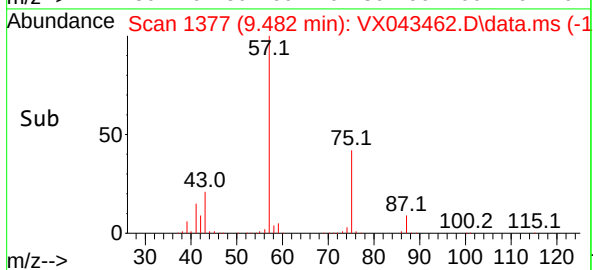
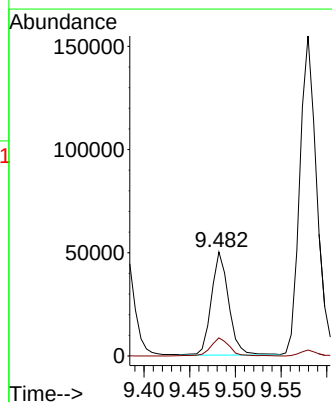
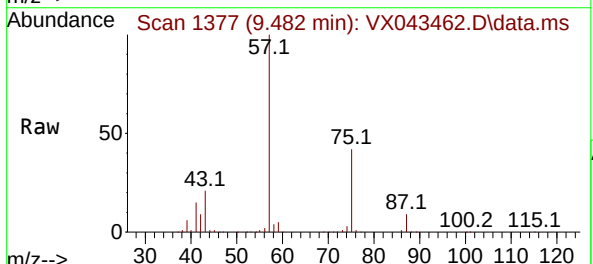
Instrument :
MSVOA_X
ClientSampleId :

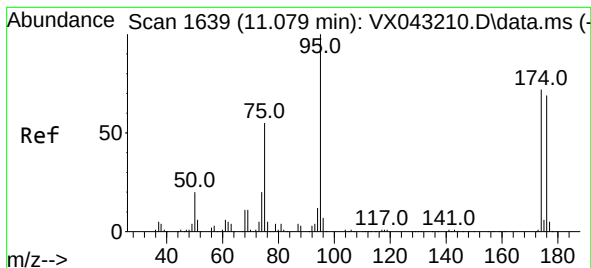
Tgt Ion: 76 Resp: 4609
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 46.733 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

Tgt Ion: 43 Resp: 65899
Ion Ratio Lower Upper
43 100
58 19.1 26.1 78.3#

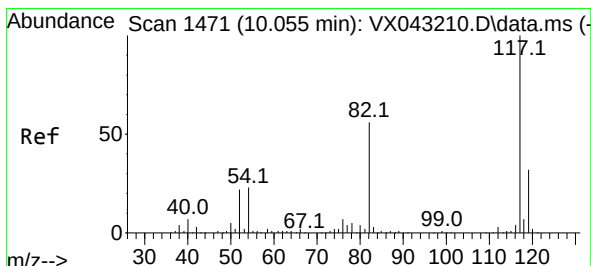
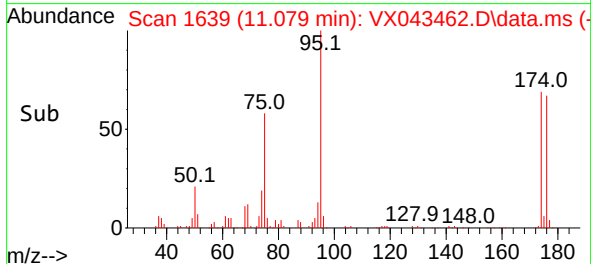
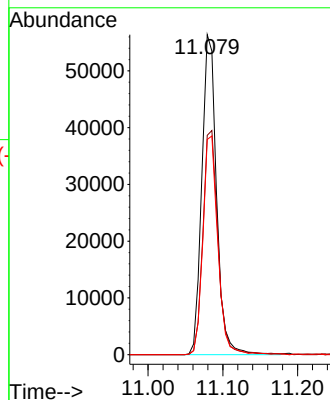
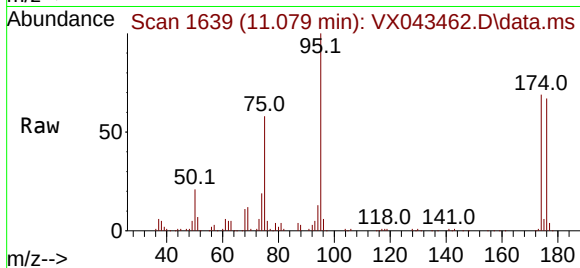




#62
4-Bromofluorobenzene
Concen: 50.106 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

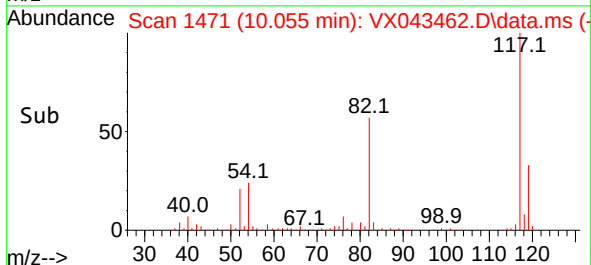
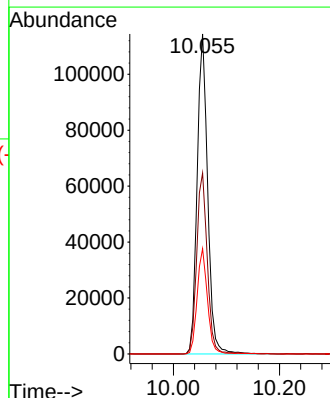
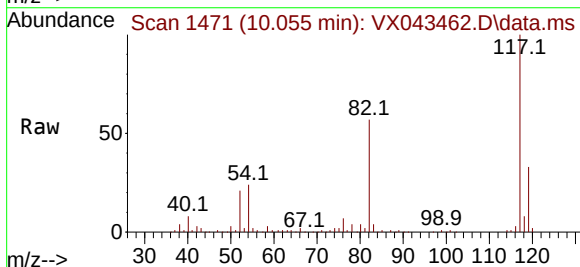
Instrument :
MSVOA_X
ClientSampleId :

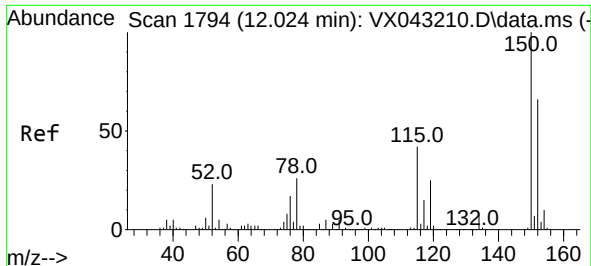
Tgt Ion: 95 Resp: 77290
Ion Ratio Lower Upper
95 100
174 72.0 0.0 145.0
176 69.1 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

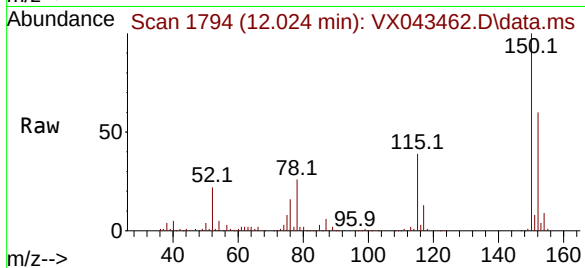
Tgt Ion: 117 Resp: 157168
Ion Ratio Lower Upper
117 100
82 56.6 45.0 67.6
119 32.9 25.3 37.9



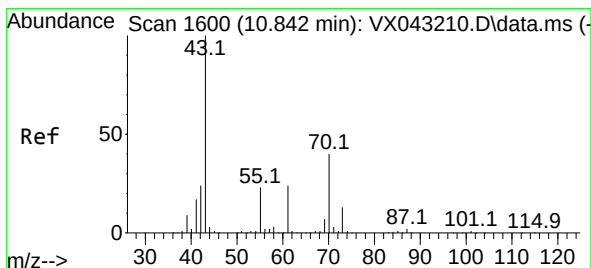
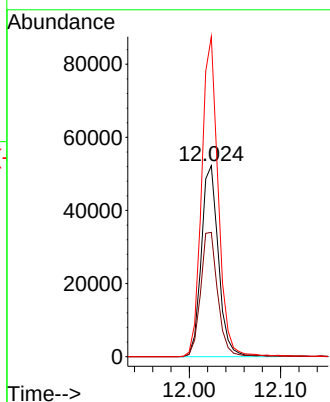
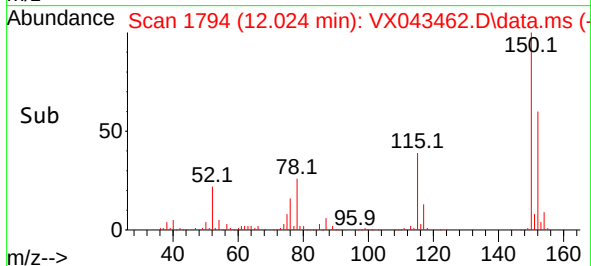


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

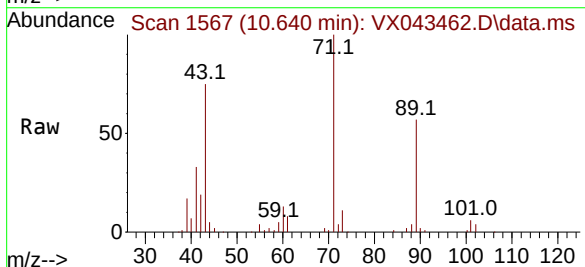
Instrument :
MSVOA_X
ClientSampleId :



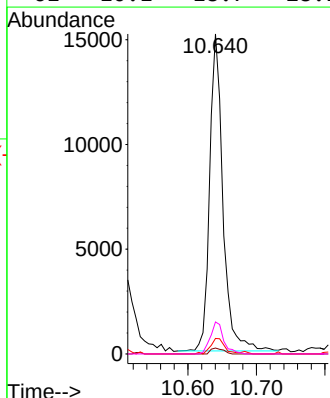
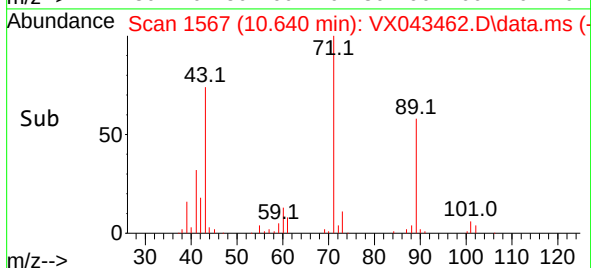
Tgt Ion:152 Resp: 68170
Ion Ratio Lower Upper
152 100
115 65.5 44.1 132.3
150 162.8 0.0 347.4

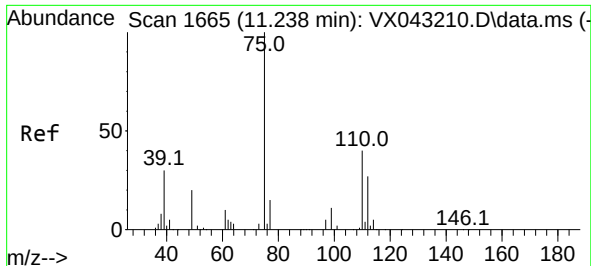


#74
N-ethyl acetate
Concen: 8.113 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07



Tgt Ion: 43 Resp: 20412
Ion Ratio Lower Upper
43 100
70 1.7 33.1 49.7#
55 5.1 18.6 27.8#
61 10.1 18.7 28.1#

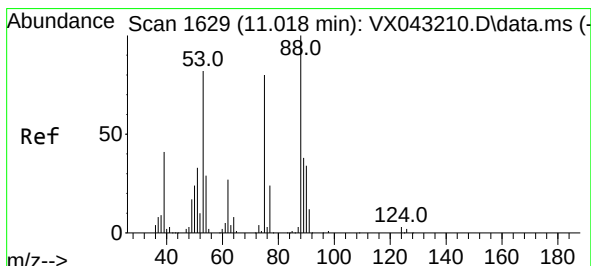
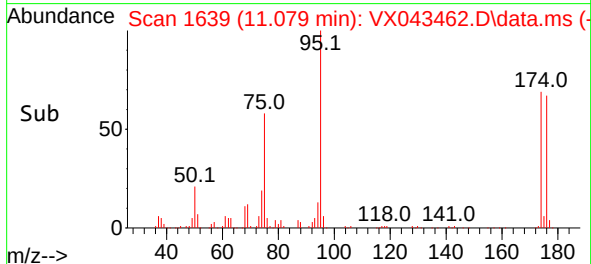
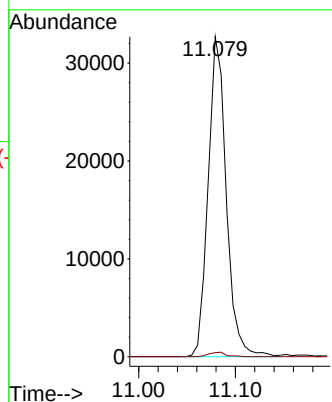
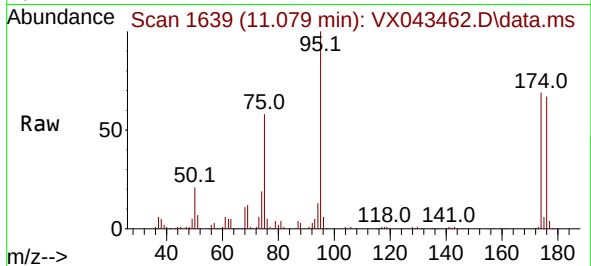




#76
1,2,3-Trichloropropane
Concen: 28.166 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 42590
Ion Ratio Lower Upper
75 100
77 1.3 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.997 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043462.D
Acq: 21 Oct 2024 18:07

Tgt Ion: 75 Resp: 42590
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

