

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100224\
 Data File : VX043221.D
 Acq On : 02 Oct 2024 11:11
 Operator : JC/MD
 Sample : PB163826TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

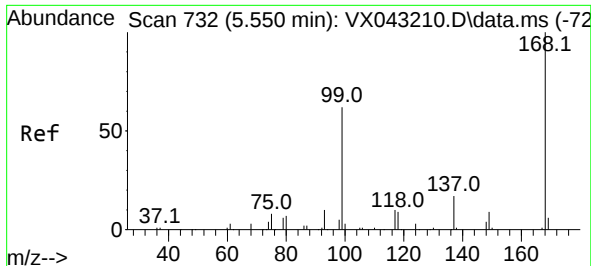
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 22:59:33 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)

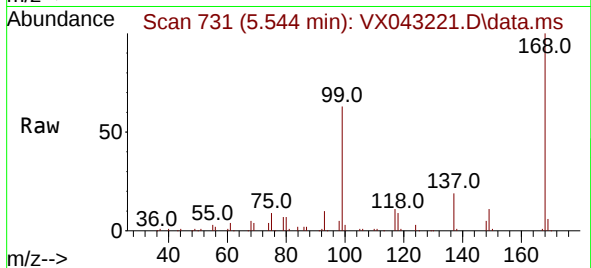
Internal Standards						
1) Pentafluorobenzene	5.544	168	87545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	169367	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	152078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75565	52.852	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.700%			
35) Dibromofluoromethane	5.379	113	57593	49.308	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.620%			
50) Toluene-d8	8.647	98	203932	50.382	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.760%			
62) 4-Bromofluorobenzene	11.079	95	75901	51.615	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.240%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	129	0.301	ug/l	93
11) Tert butyl alcohol	2.983	59	228	0.838	ug/l #	71
13) Acrolein	2.227	56	203	0.790	ug/l	91
15) Acrylonitrile	3.081	53	133	0.239	ug/l #	28
16) Acetone	2.386	43	26077	43.675	ug/l	100
17) Carbon Disulfide	2.508	76	668	0.282	ug/l #	79
18) Methyl Acetate	2.709	43	1630	1.088	ug/l #	83
20) Methylene Chloride	2.788	84	5795	5.264	ug/l	93
23) Vinyl Acetate	3.764	43	592	6.504	ug/l #	71
25) 2-Butanone	4.593	43	3355	4.098	ug/l #	87
29) Tetrahydrofuran	5.038	42	755	1.448	ug/l #	64
31) Cyclohexane	5.550	56	2218	1.438	ug/l #	32
36) 1,1-Dichloropropene	5.544	75	7373	4.997	ug/l #	51
37) Ethyl Acetate	4.751	43	2062	1.164	ug/l #	73
38) Carbon Tetrachloride	5.550	117	9789	5.604	ug/l #	14
43) Isopropyl Acetate	6.342	43	89742	30.662	ug/l	99
48) Methyl methacrylate	7.793	41	78481	54.649	ug/l #	45
49) 1,4-Dioxane	7.805	88	133	4.764	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	71433	40.185	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	562	0.327	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	30377	16.479	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	3835	2.021	ug/l #	43
59) 2-Hexanone	9.482	43	54869	40.817	ug/l #	53
74) N-amyl acetate	10.640	43	16777	6.716	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	41814	27.850	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	41814	72.177	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.585	180	586	0.441	ug/l #	77
95) Naphthalene	13.780	128	3122	0.638	ug/l	94
96) 1,2,3-Trichlorobenzene	13.963	180	536	0.391	ug/l	94

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

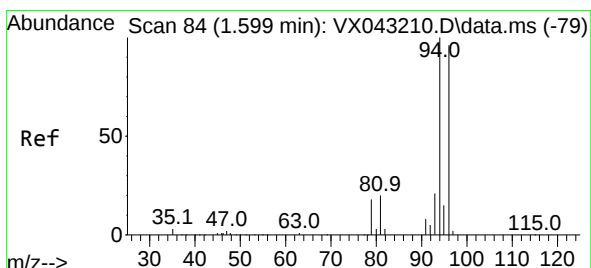
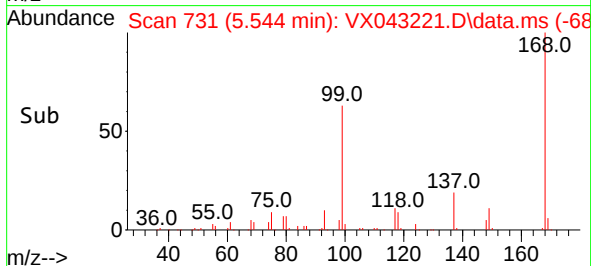
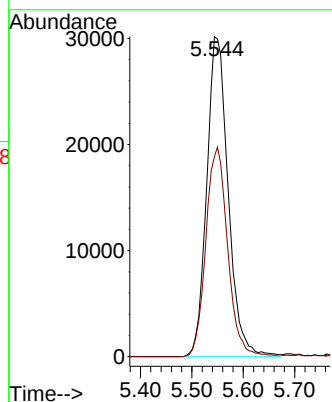


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

Instrument :
MSVOA_X
ClientSampleId :

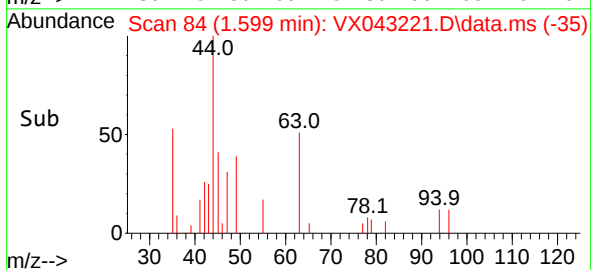
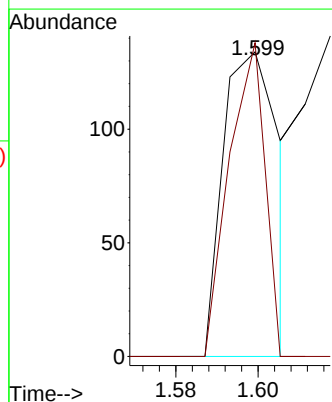
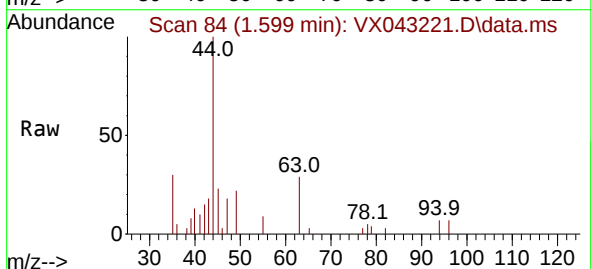


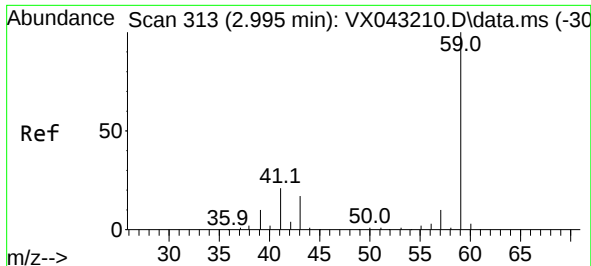
Tgt Ion:168 Resp: 87545
Ion Ratio Lower Upper
168 100
99 62.5 49.7 74.5



#5
Bromomethane
Concen: 0.301 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

Tgt Ion: 94 Resp: 129
Ion Ratio Lower Upper
94 100
96 103.0 76.6 115.0





#11

Tert butyl alcohol

Concen: 0.838 ug/l

RT: 2.983 min Scan# 31

Delta R.T. -0.012 min

Lab File: VX043221.D

Acq: 02 Oct 2024 11:11

Instrument :

MSVOA_X

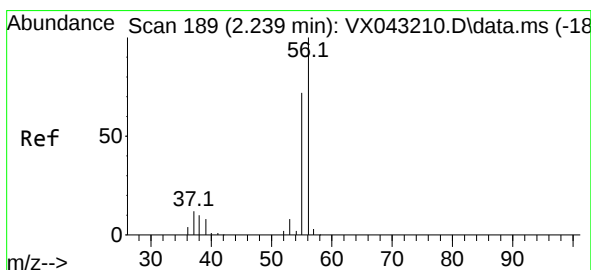
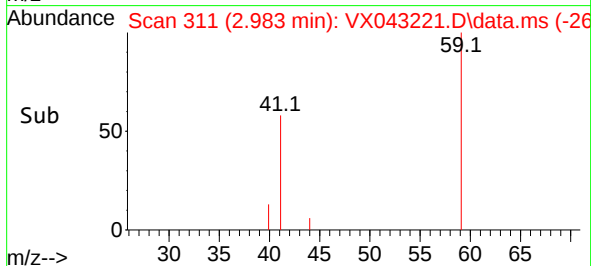
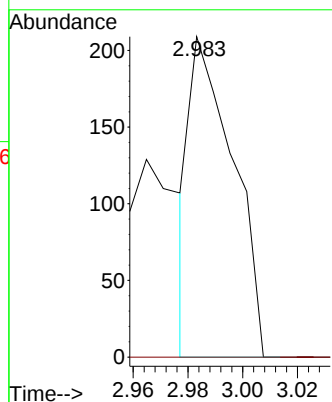
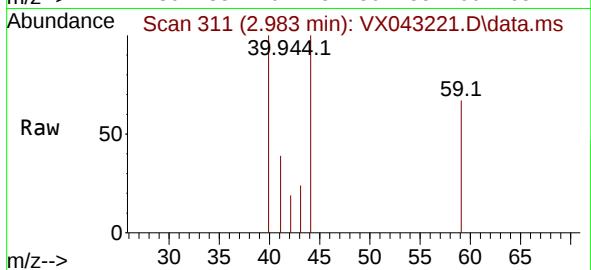
ClientSampleId :

Tgt Ion: 59 Resp: 228

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#13

Acrolein

Concen: 0.790 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.012 min

Lab File: VX043221.D

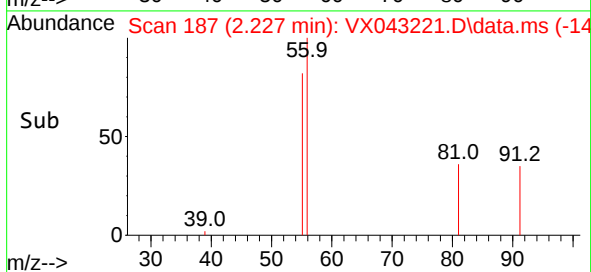
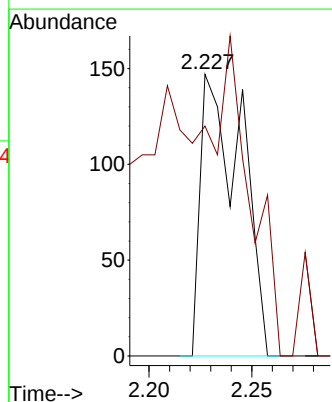
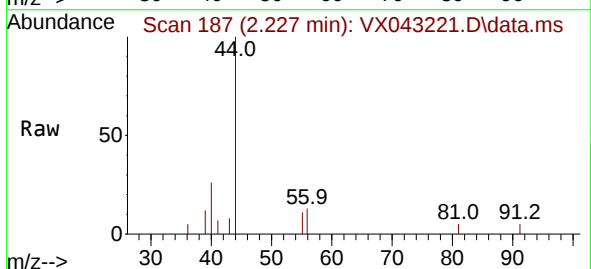
Acq: 02 Oct 2024 11:11

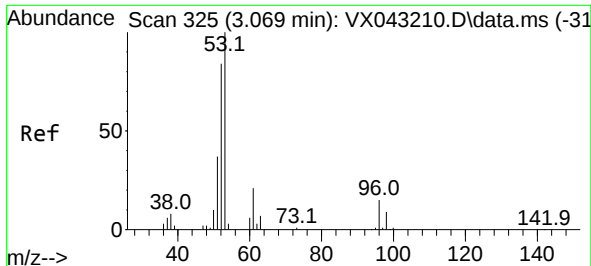
Tgt Ion: 56 Resp: 203

Ion Ratio Lower Upper

56 100

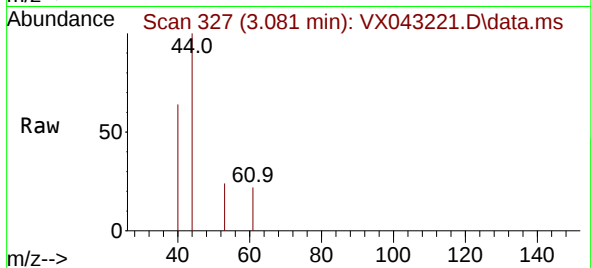
55 64.5 57.4 86.0



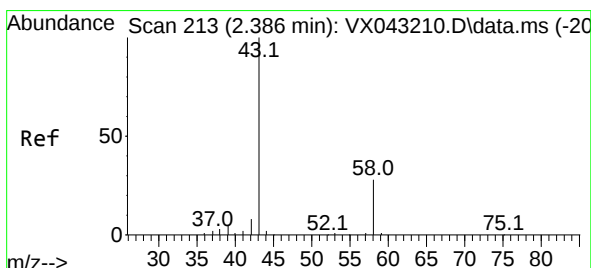
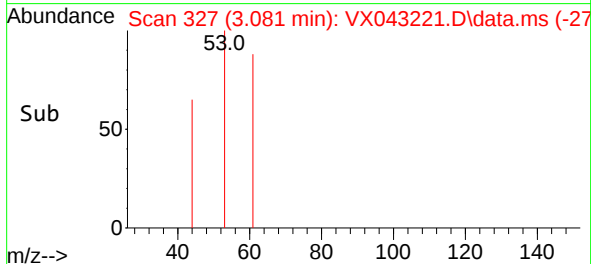
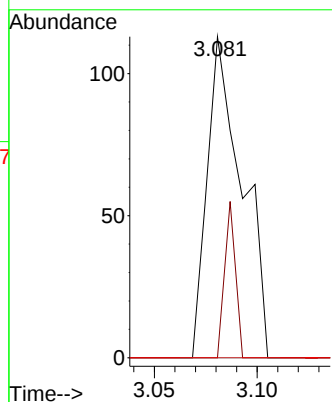


#15
Acrylonitrile
Concen: 0.239 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

Instrument :
MSVOA_X
ClientSampleId :

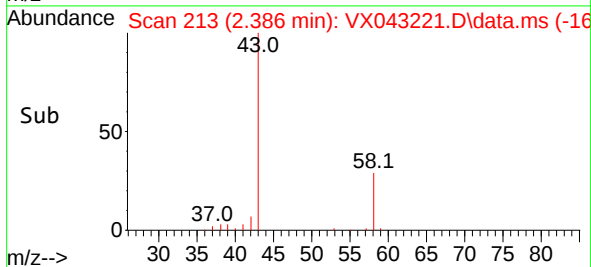
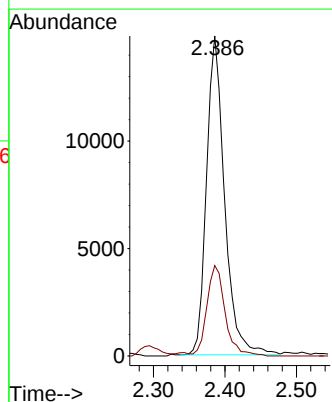
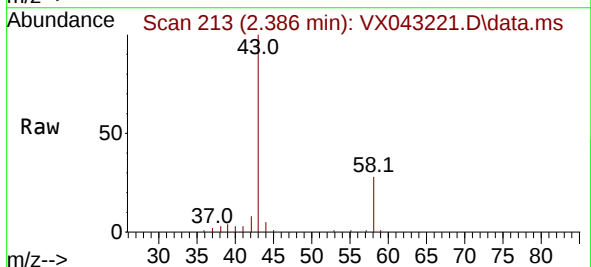


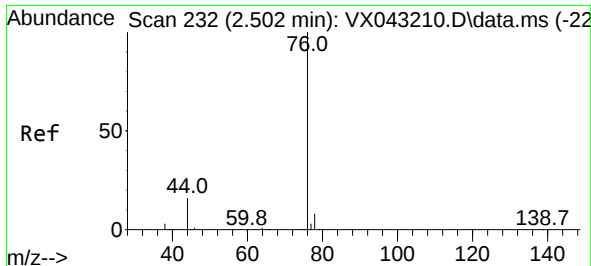
Tgt Ion: 53 Resp: 133
Ion Ratio Lower Upper
53 100
52 15.0 67.6 101.4#
51 0.0 30.3 45.5#



#16
Acetone
Concen: 43.675 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

Tgt Ion: 43 Resp: 26077
Ion Ratio Lower Upper
43 100
58 28.4 22.6 33.8





#17

Carbon Disulfide

Concen: 0.282 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX043221.D

Acq: 02 Oct 2024 11:11

Instrument :

MSVOA_X

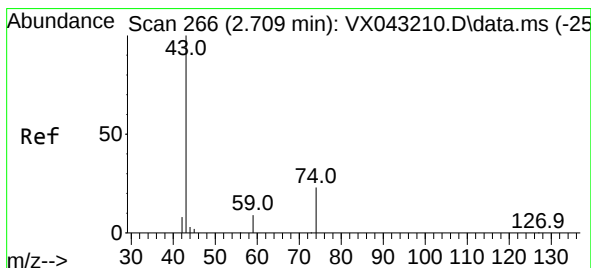
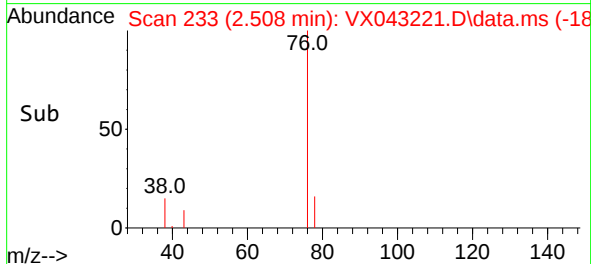
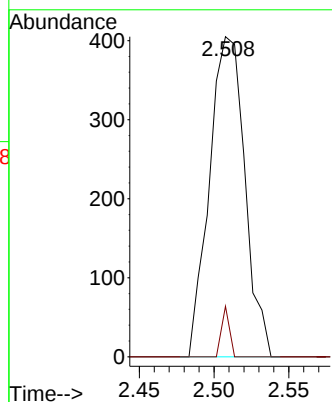
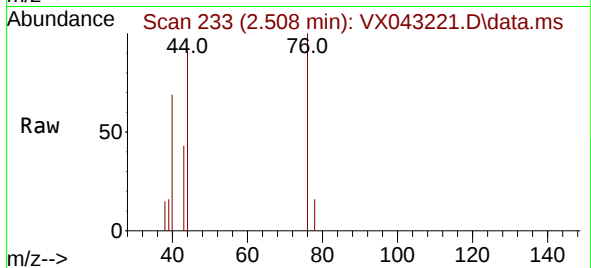
ClientSampleId :

Tgt Ion: 76 Resp: 668

Ion Ratio Lower Upper

76 100

78 15.8 6.7 10.1#



#18

Methyl Acetate

Concen: 1.088 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX043221.D

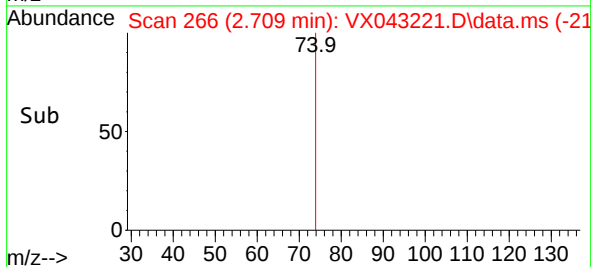
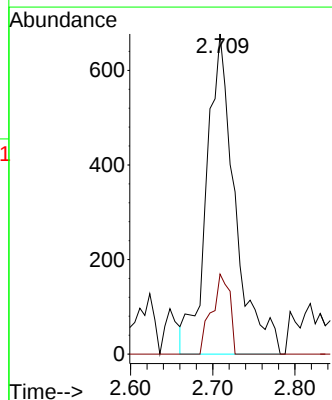
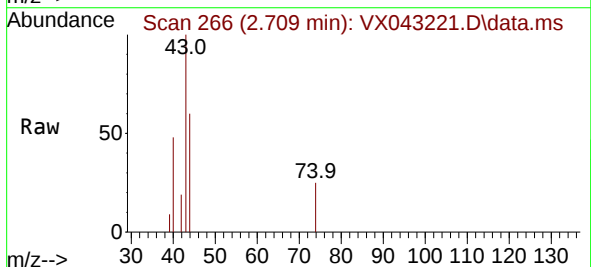
Acq: 02 Oct 2024 11:11

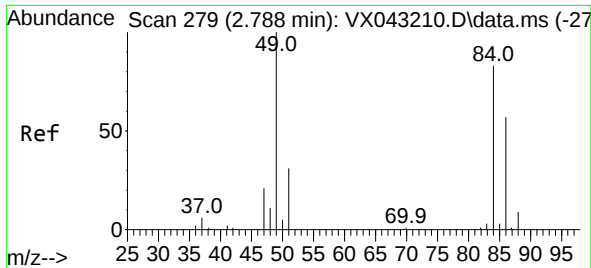
Tgt Ion: 43 Resp: 1630

Ion Ratio Lower Upper

43 100

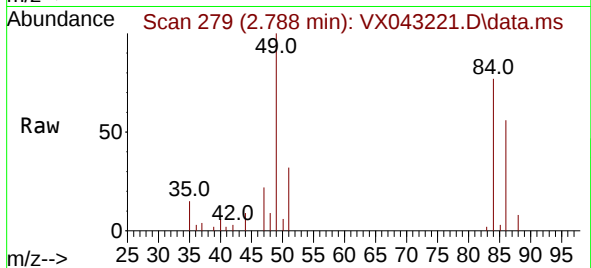
74 15.7 19.1 28.7#



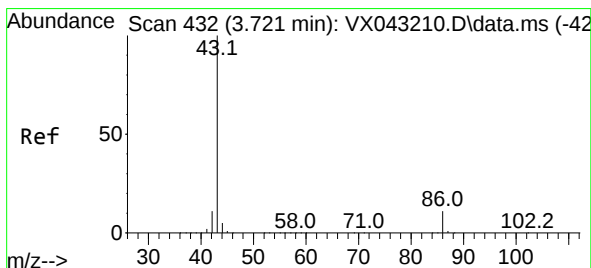
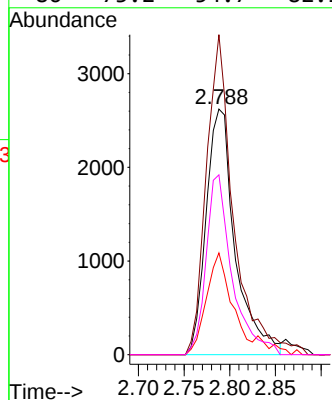


#20
Methylene Chloride
Concen: 5.264 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

Instrument :
MSVOA_X
ClientSampleId :

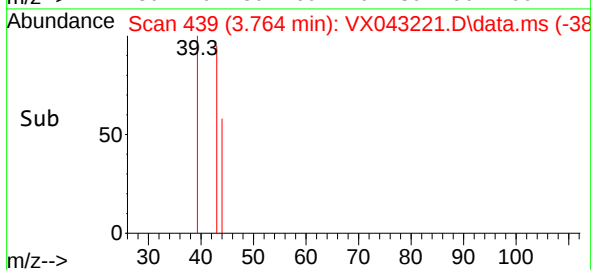
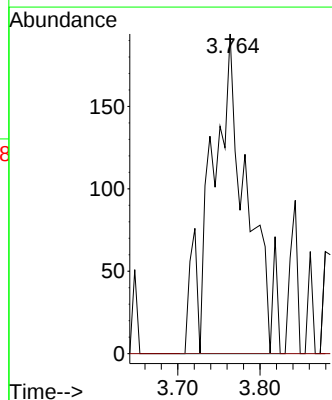
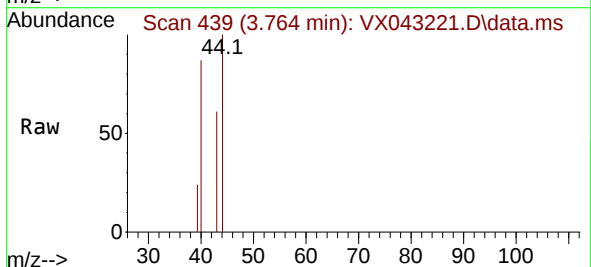


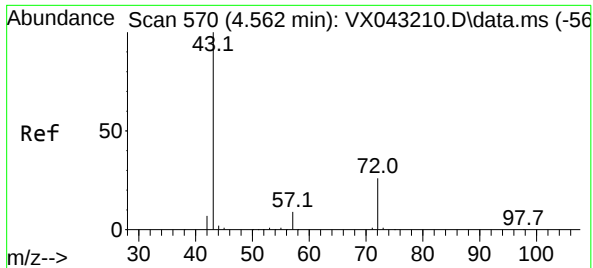
Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.3	96.7	145.1
51	41.5	30.4	45.6
86	73.2	54.7	82.1



#23
Vinyl Acetate
Concen: 6.504 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.043 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

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

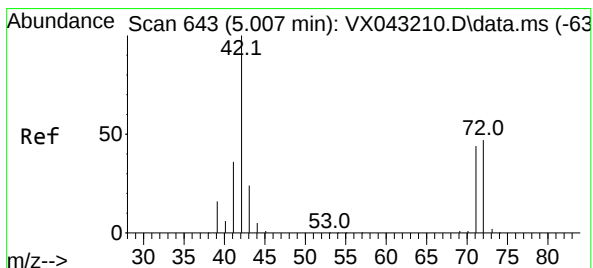
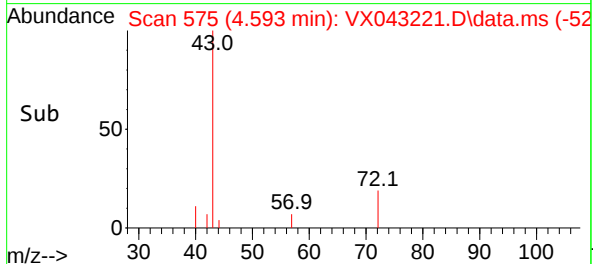
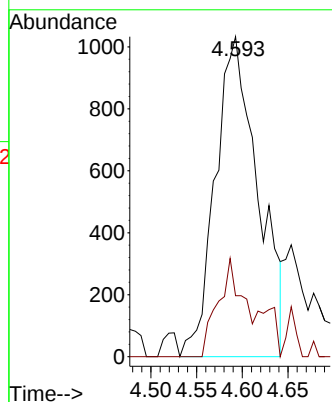
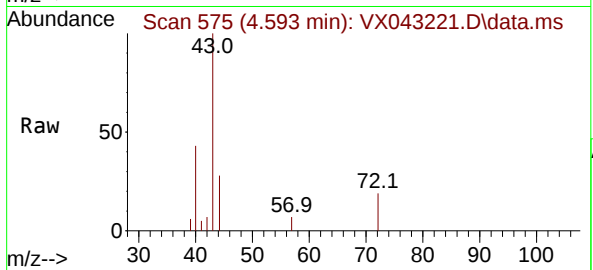




#25
2-Butanone
Concen: 4.098 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

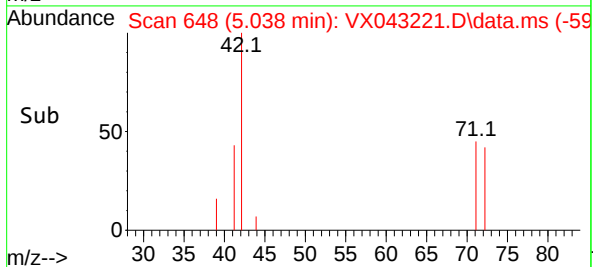
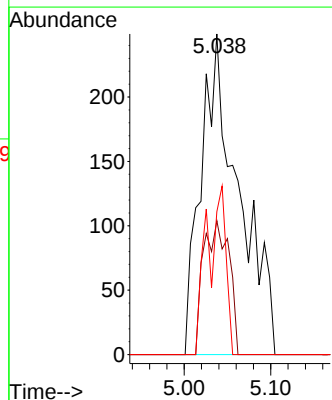
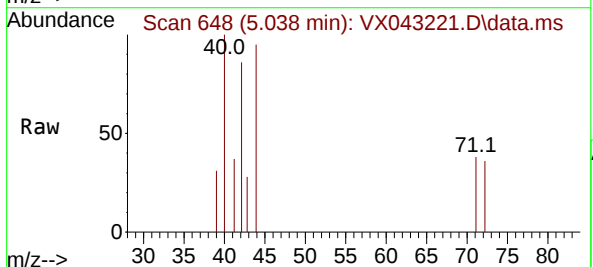
Instrument :
MSVOA_X
ClientSampleId :

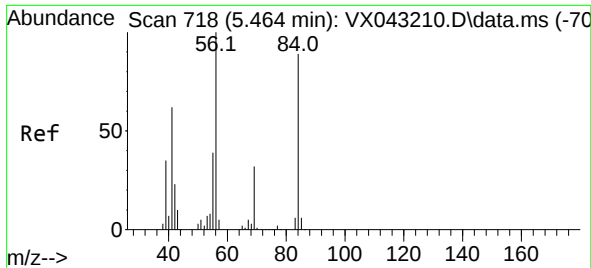
Tgt Ion: 43 Resp: 3355
Ion Ratio Lower Upper
43 100
72 19.1 20.6 31.0#



#29
Tetrahydrofuran
Concen: 1.448 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.030 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

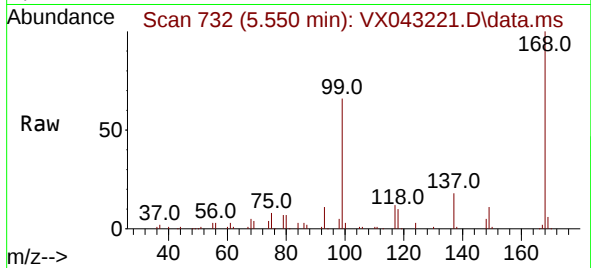
Tgt Ion: 42 Resp: 755
Ion Ratio Lower Upper
42 100
72 28.2 37.7 56.5#
71 14.7 34.6 52.0#



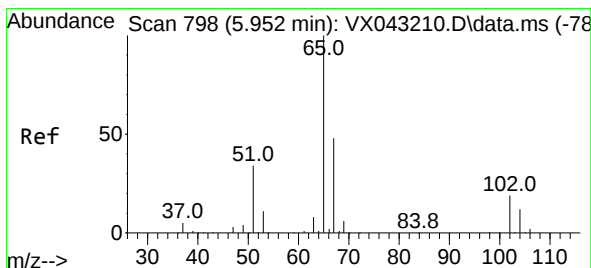
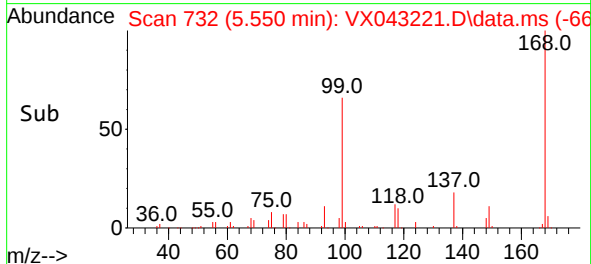
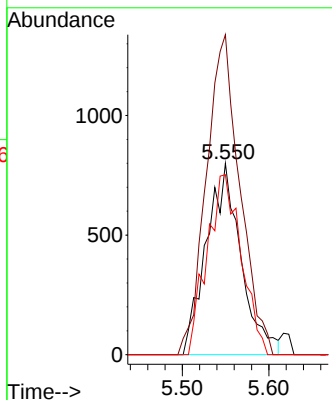


#31
Cyclohexane
Concen: 1.438 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

Instrument :
MSVOA_X
ClientSampleId :

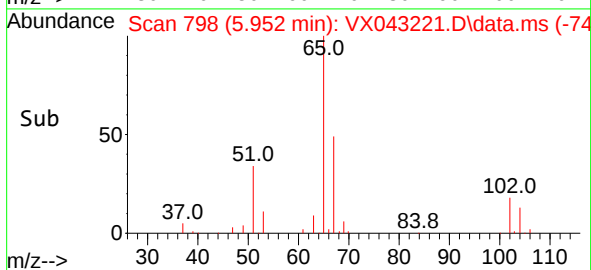
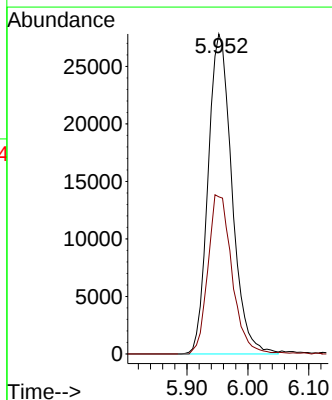
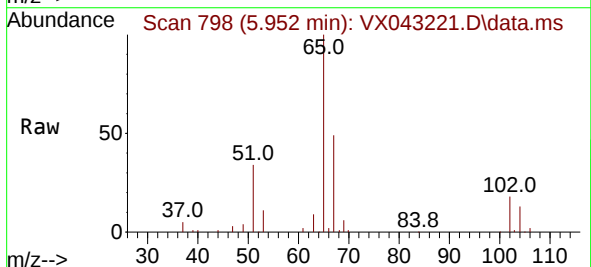


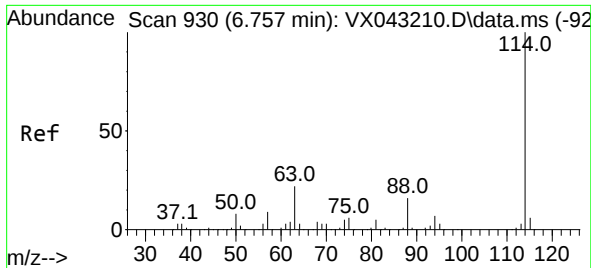
Tgt Ion: 56 Resp: 2218
Ion Ratio Lower Upper
56 100
69 167.3 25.8 38.6#
84 94.1 71.1 106.7



#33
1,2-Dichloroethane-d4
Concen: 52.852 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

Tgt Ion: 65 Resp: 75565
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.0

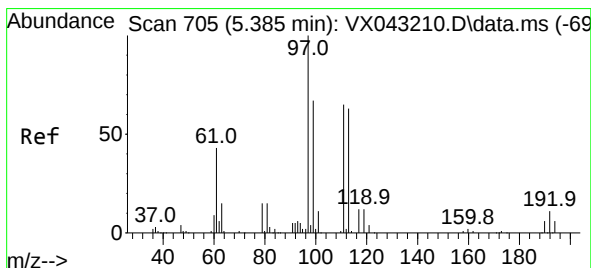
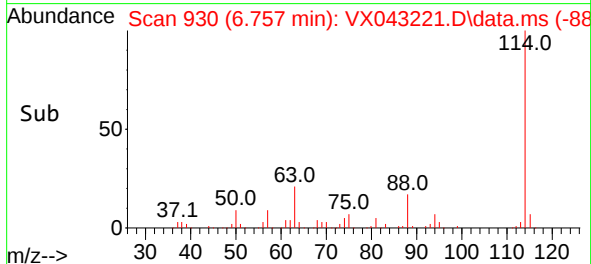
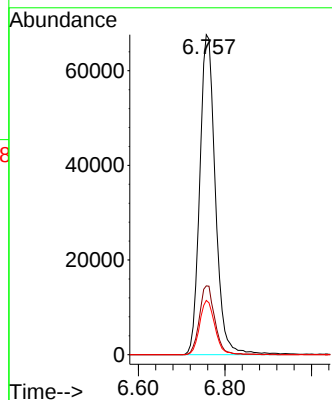
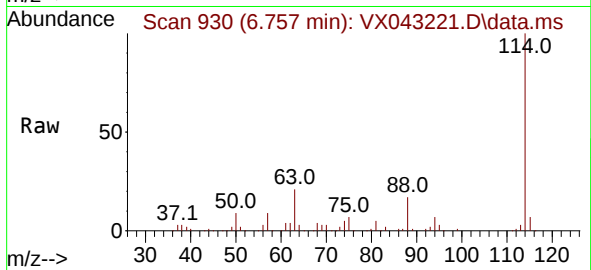




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX043221.D
 Acq: 02 Oct 2024 11:11

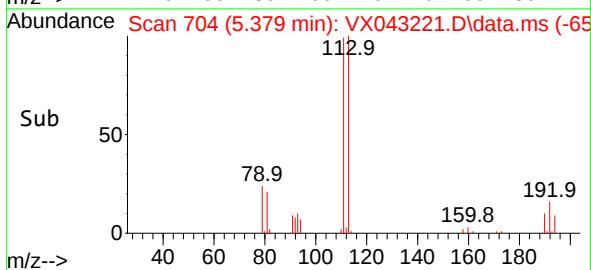
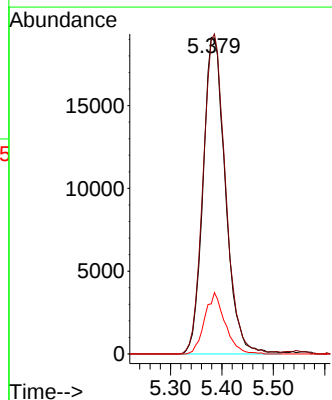
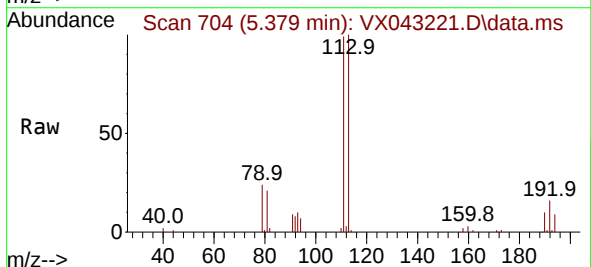
Instrument :
 MSVOA_X
 ClientSampleId :

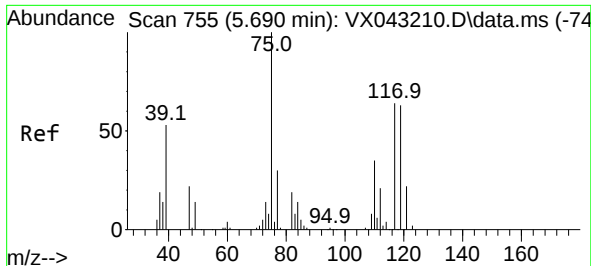
Tgt Ion:114 Resp: 169367
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.0
 88 17.0 0.0 33.0



#35
 Dibromofluoromethane
 Concen: 49.308 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. -0.006 min
 Lab File: VX043221.D
 Acq: 02 Oct 2024 11:11

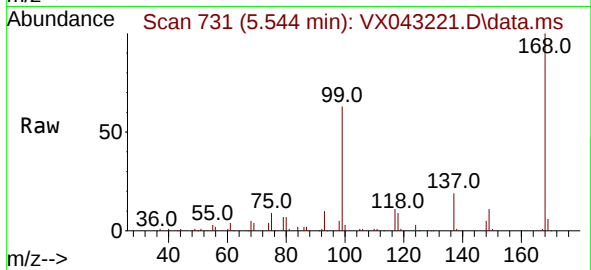
Tgt Ion:113 Resp: 57593
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.4 125.0
 192 17.8 14.1 21.1



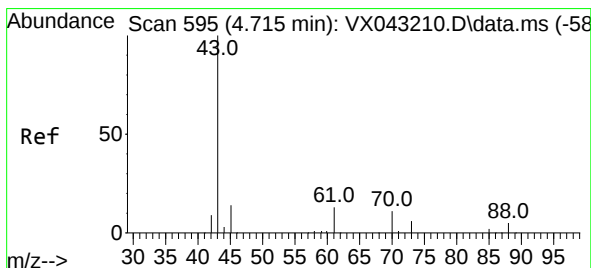
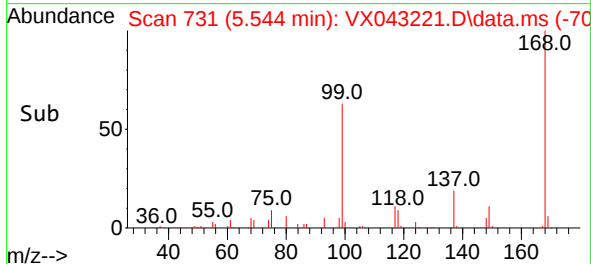
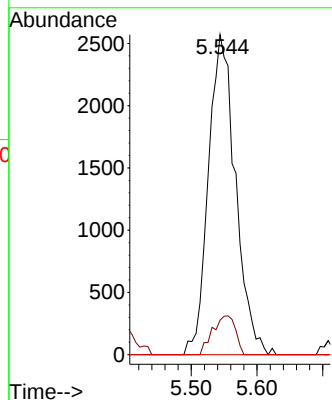


#36
1,1-Dichloropropene
Concen: 4.997 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

Instrument :
MSVOA_X
ClientSampleId :

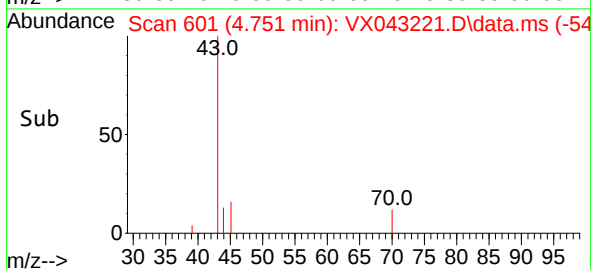
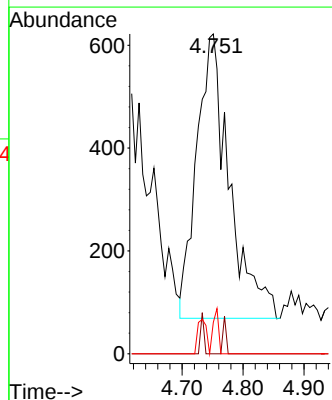
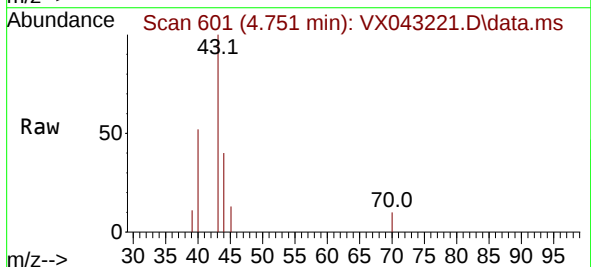


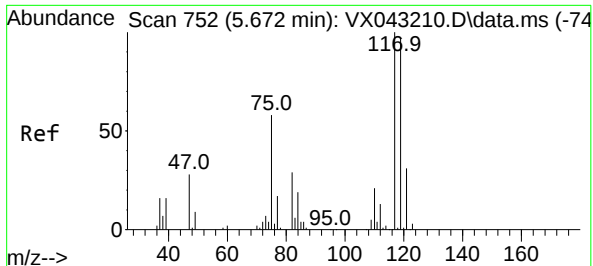
Tgt Ion: 75 Resp: 7373
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.3#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 1.164 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.037 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

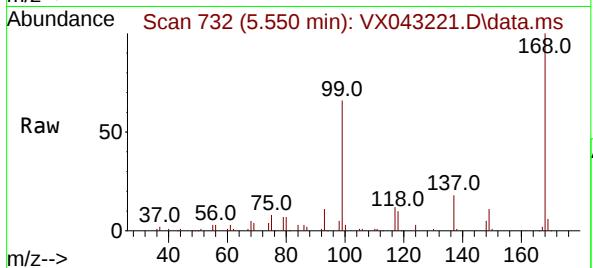
Tgt Ion: 43 Resp: 2062
Ion Ratio Lower Upper
43 100
61 1.3 11.0 16.4#
70 2.7 8.9 13.3#



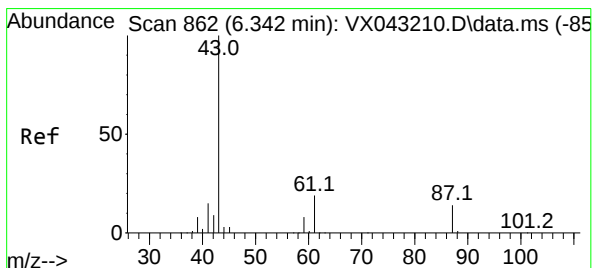
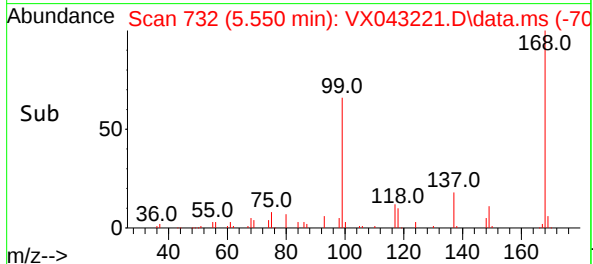
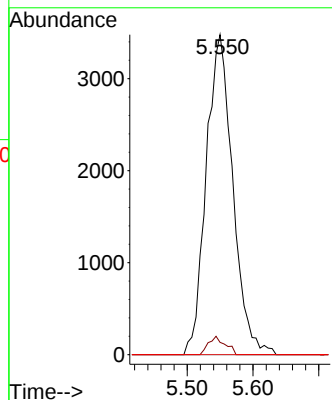


#38
Carbon Tetrachloride
Concen: 5.604 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

Instrument :
MSVOA_X
ClientSampleId :

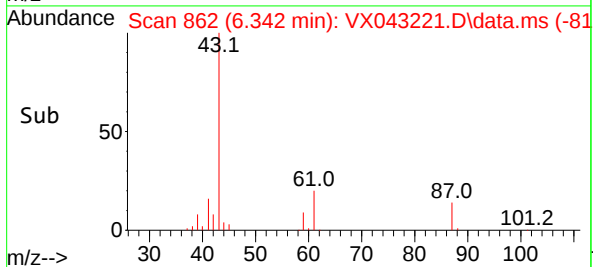
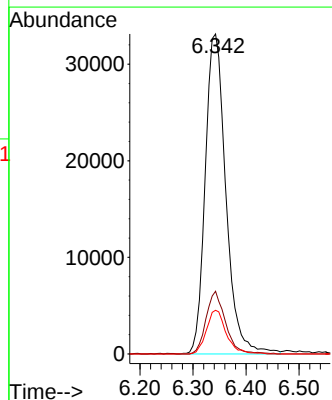
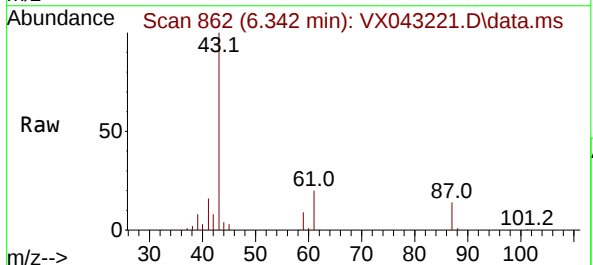


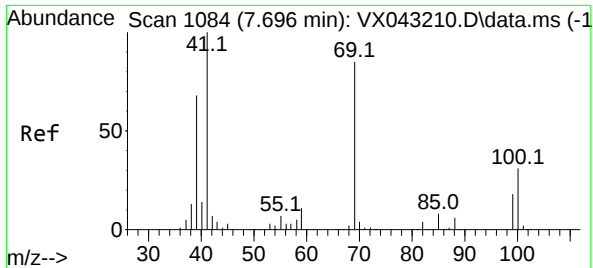
Tgt Ion:117 Resp: 9789
Ion Ratio Lower Upper
117 100
119 3.9 77.7 116.5#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 30.662 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

Tgt Ion: 43 Resp: 89742
Ion Ratio Lower Upper
43 100
61 18.4 15.1 22.7
87 13.1 10.8 16.2

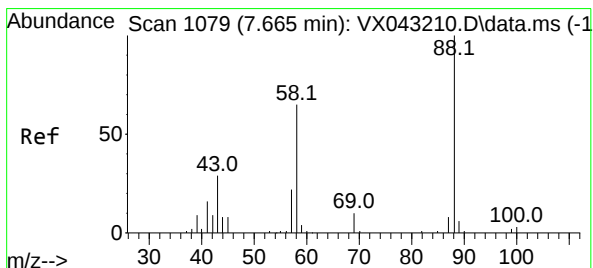
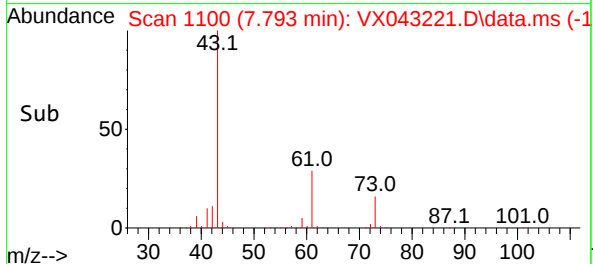
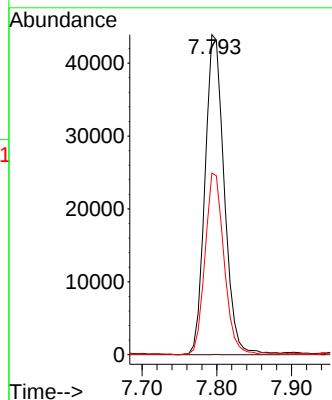
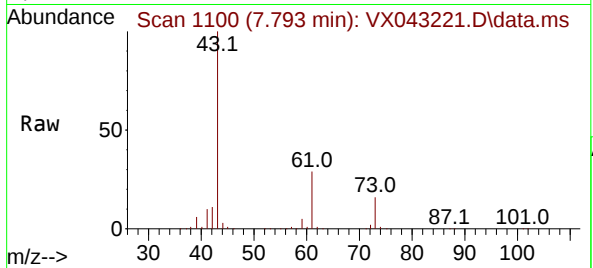




#48
Methyl methacrylate
Concen: 54.649 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.098 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

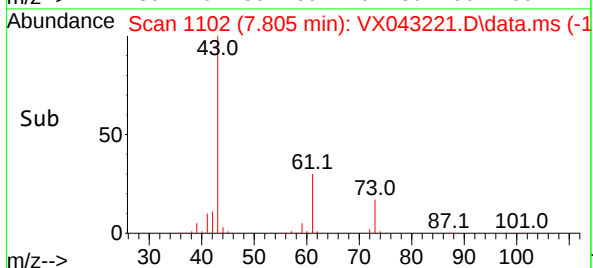
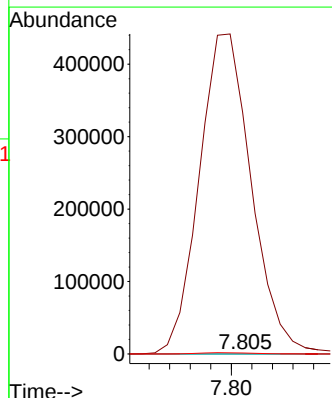
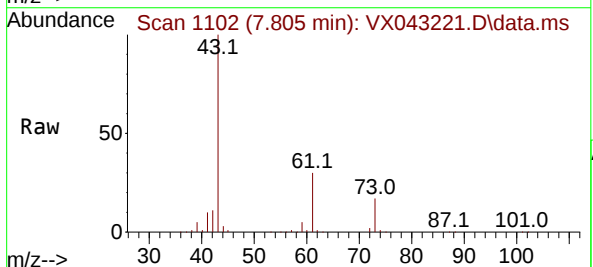
Instrument :
MSVOA_X
ClientSampleId :

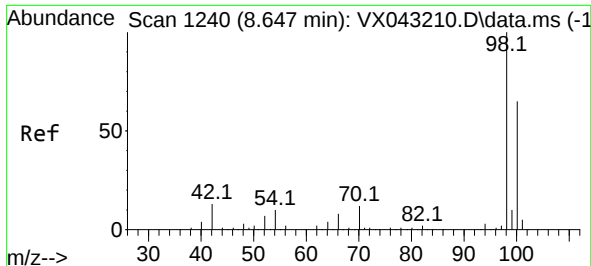
Tgt Ion: 41 Resp: 78481
Ion Ratio Lower Upper
41 100
69 0.0 64.1 96.1#
39 56.6 52.8 79.2



#49
1,4-Dioxane
Concen: 4.764 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

Tgt Ion: 88 Resp: 133
Ion Ratio Lower Upper
88 100
43 594527.8 29.5 44.3#
58 2391.7 55.2 82.8#

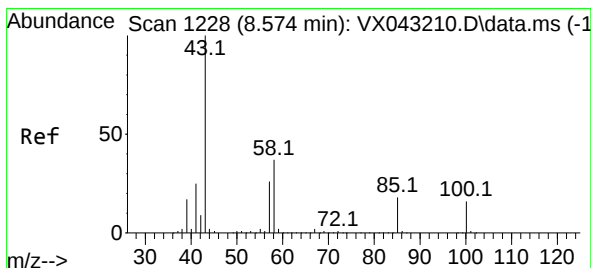
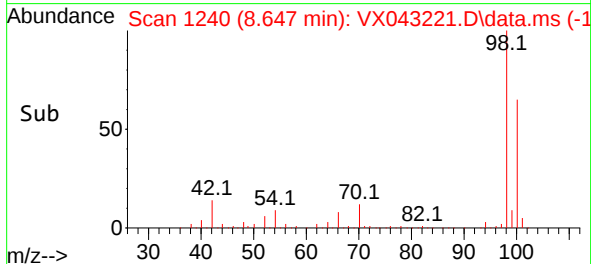
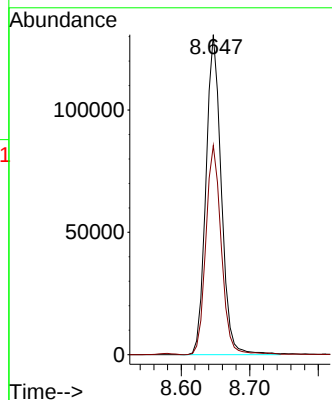
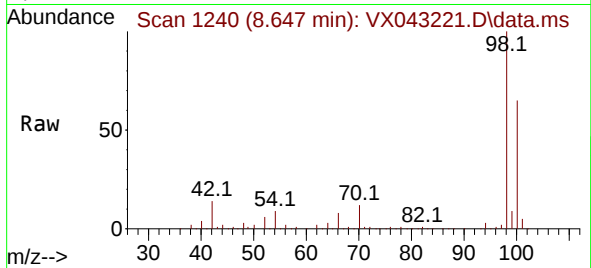




#50
Toluene-d8
Concen: 50.382 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

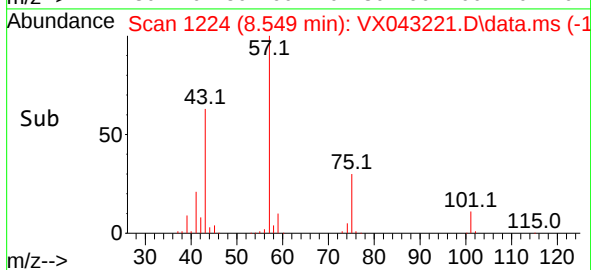
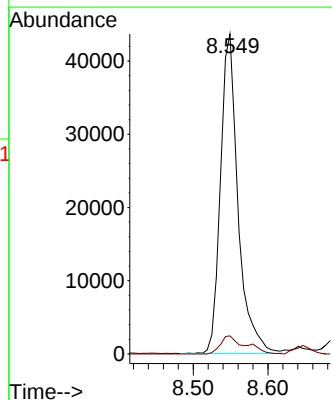
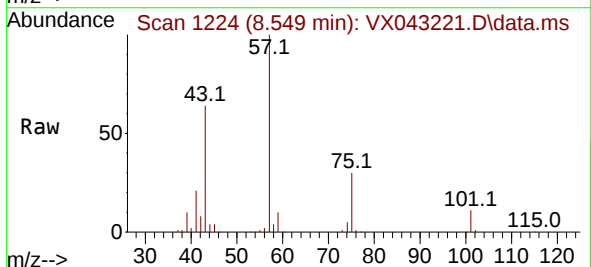
Instrument :
MSVOA_X
ClientSampleId :

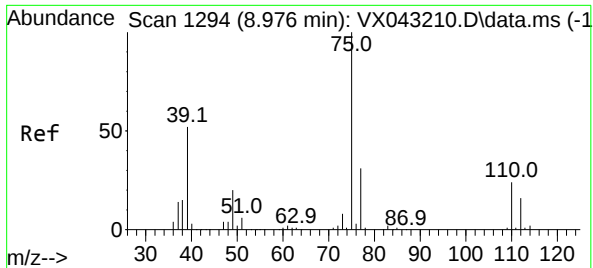
Tgt Ion: 98 Resp: 203932
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 40.185 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

Tgt Ion: 43 Resp: 71433
Ion Ratio Lower Upper
43 100
58 8.0 30.0 45.0#

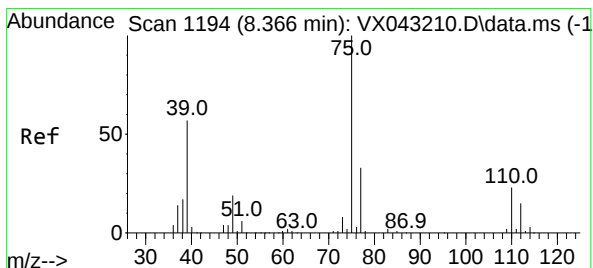
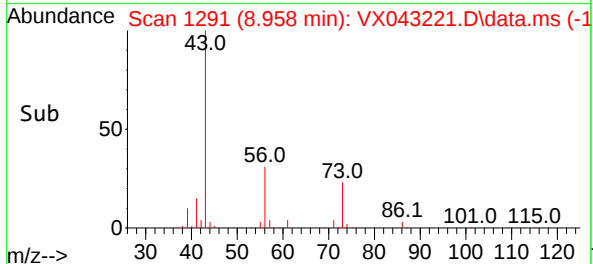
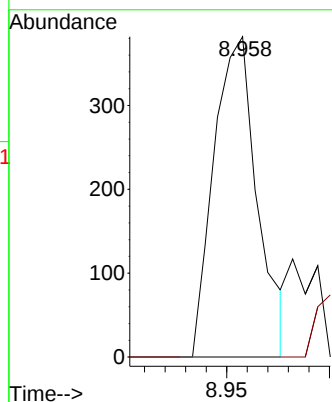
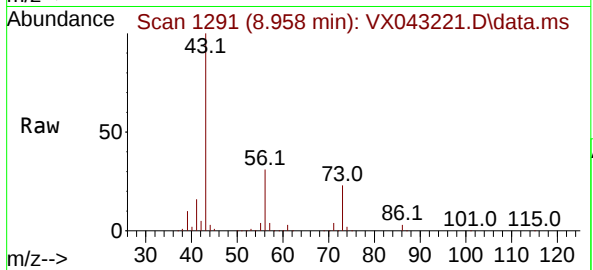




#53
t-1,3-Dichloropropene
Concen: 0.327 ug/l
RT: 8.958 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

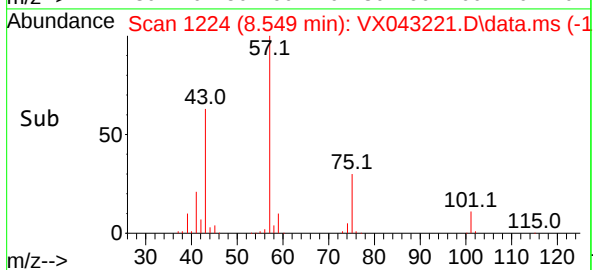
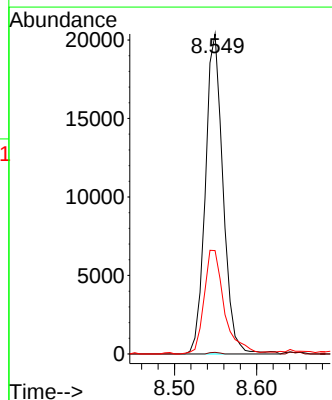
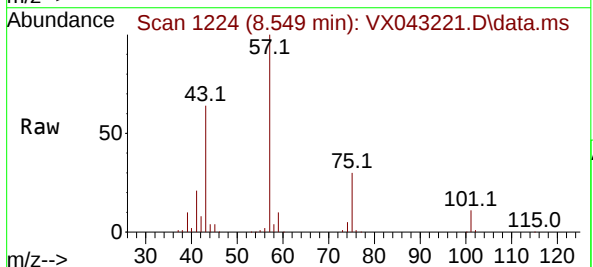
Instrument :
MSVOA_X
ClientSampleId :

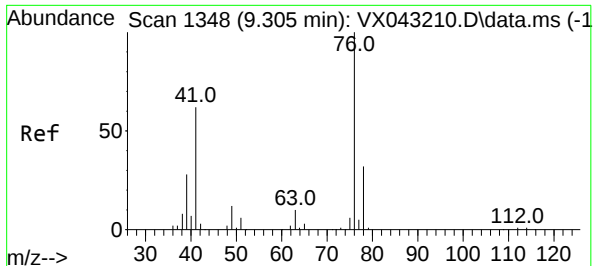
Tgt Ion: 75 Resp: 562
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 16.479 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

Tgt Ion: 75 Resp: 30377
Ion Ratio Lower Upper
75 100
77 0.5 26.0 39.0#
39 32.3 45.8 68.8#





#57

1,3-Dichloropropane

Concen: 2.021 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043221.D

Acq: 02 Oct 2024 11:11

Instrument :

MSVOA_X

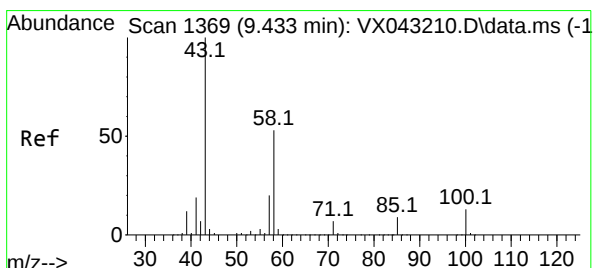
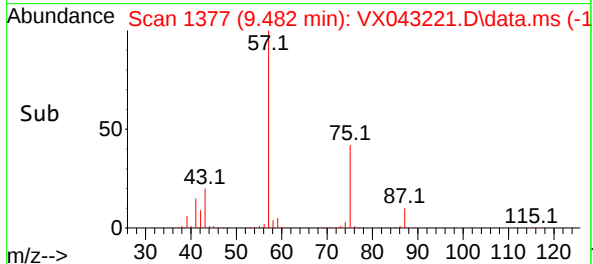
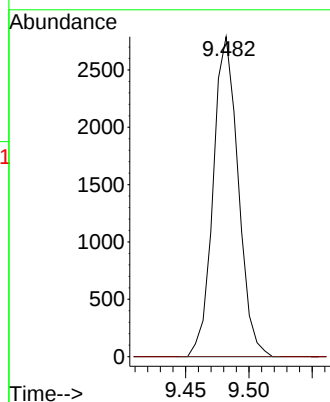
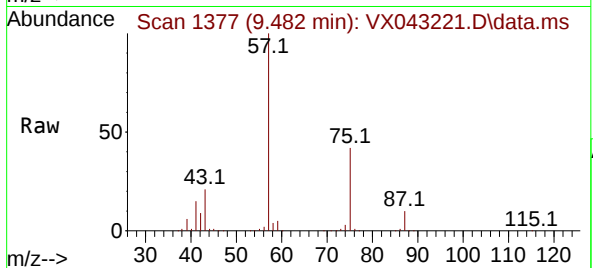
ClientSampleId :

Tgt Ion: 76 Resp: 3835

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 40.817 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043221.D

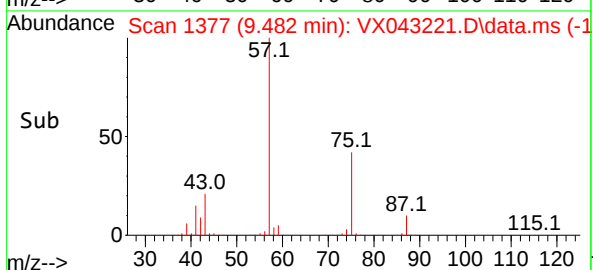
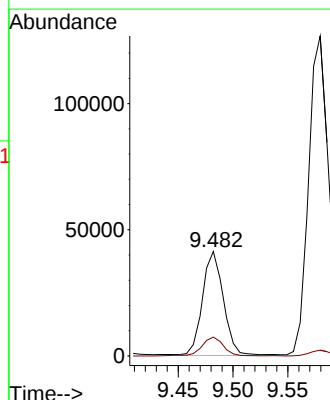
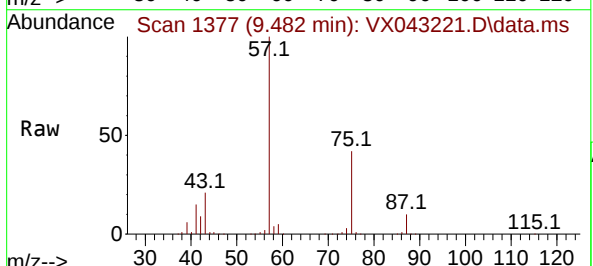
Acq: 02 Oct 2024 11:11

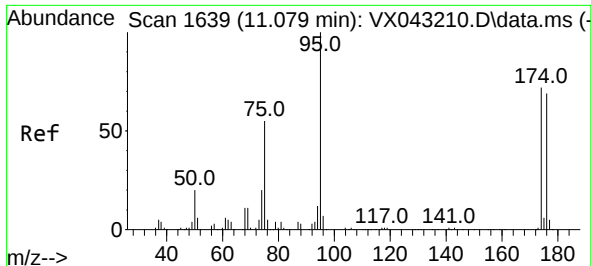
Tgt Ion: 43 Resp: 54869

Ion Ratio Lower Upper

43 100

58 18.9 26.1 78.3#

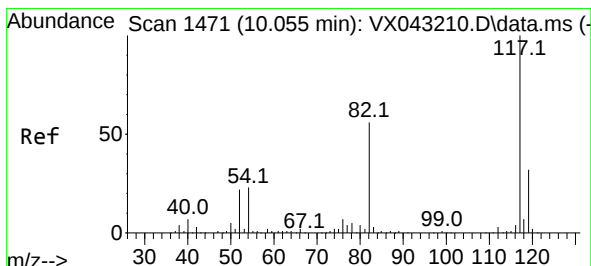
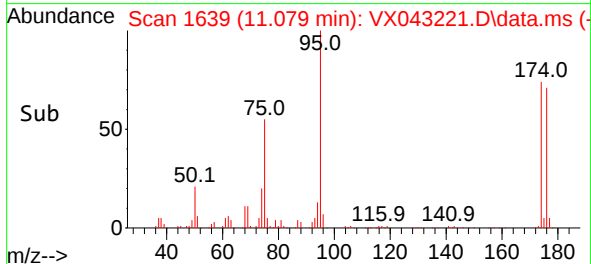
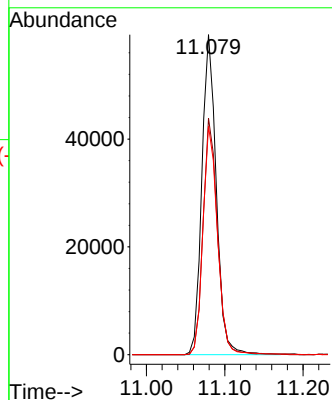
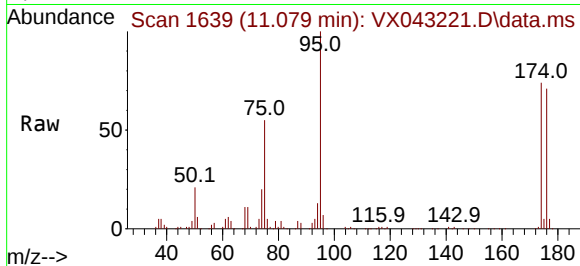




#62
4-Bromofluorobenzene
Concen: 51.615 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

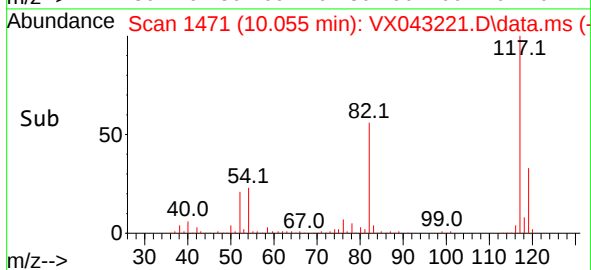
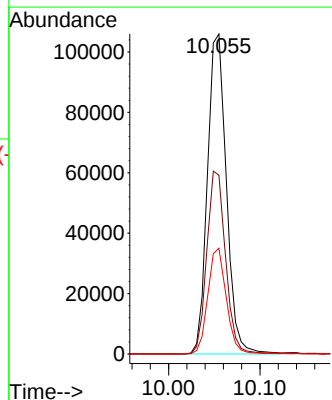
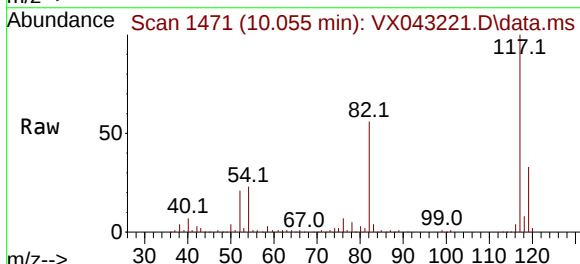
Instrument :
MSVOA_X
ClientSampleId :

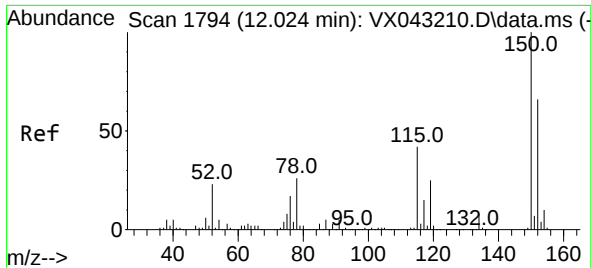
Tgt Ion: 95 Resp: 75901
Ion Ratio Lower Upper
95 100
174 73.1 0.0 145.0
176 72.2 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

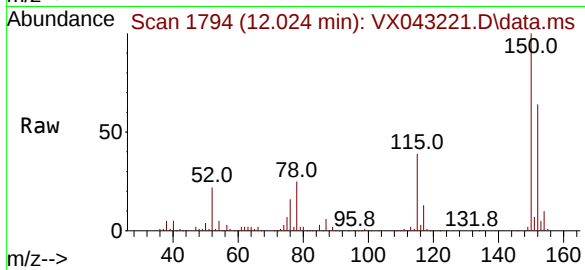
Tgt Ion: 117 Resp: 152078
Ion Ratio Lower Upper
117 100
82 55.8 45.0 67.6
119 33.1 25.3 37.9



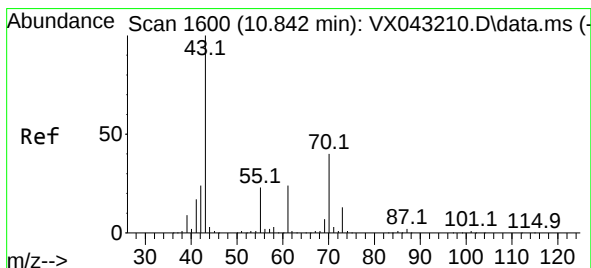
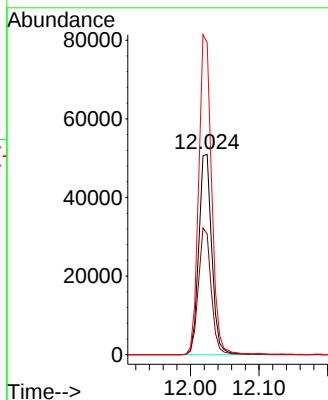
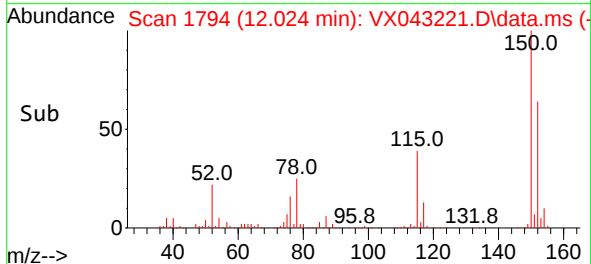


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

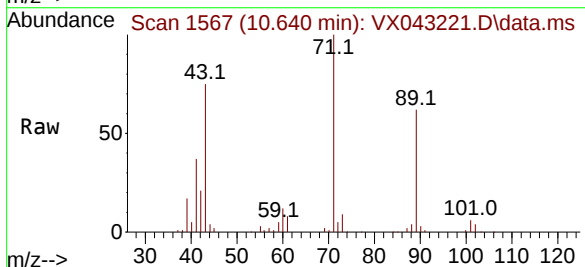
Instrument :
MSVOA_X
ClientSampleId :



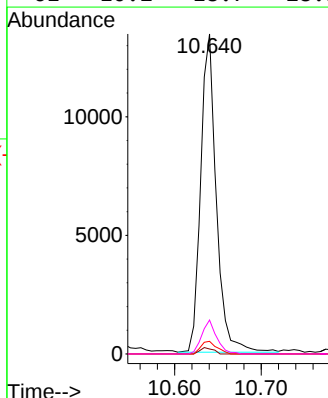
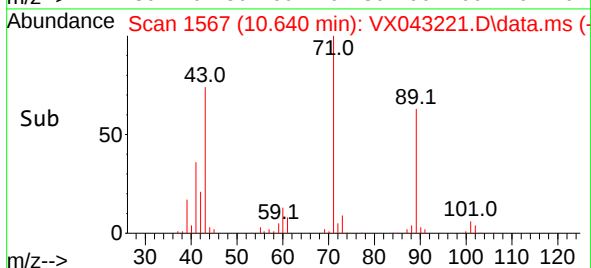
Tgt Ion:152 Resp: 67689
Ion Ratio Lower Upper
152 100
115 62.1 44.1 132.3
150 158.2 0.0 347.4

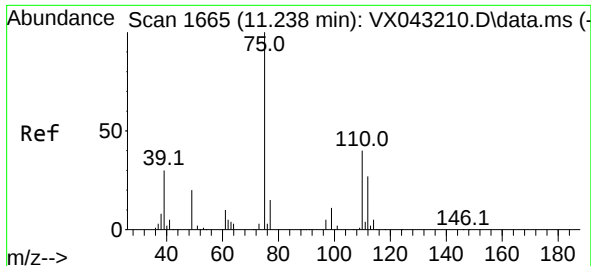


#74
N-ethyl acetate
Concen: 6.716 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11



Tgt Ion: 43 Resp: 16777
Ion Ratio Lower Upper
43 100
70 1.7 33.1 49.7#
55 4.1 18.6 27.8#
61 10.2 18.7 28.1#

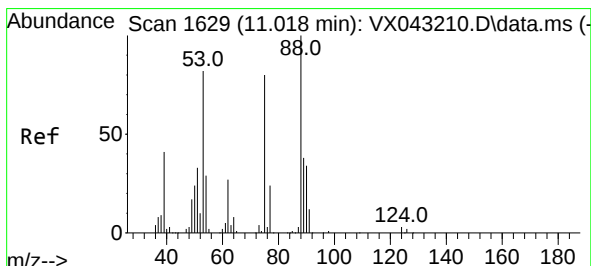
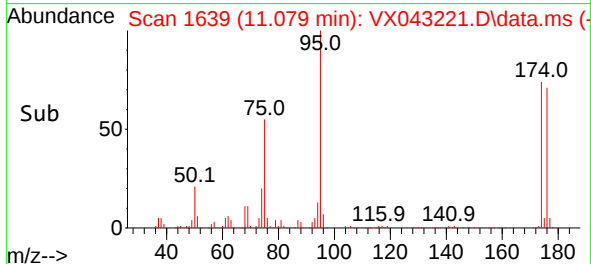
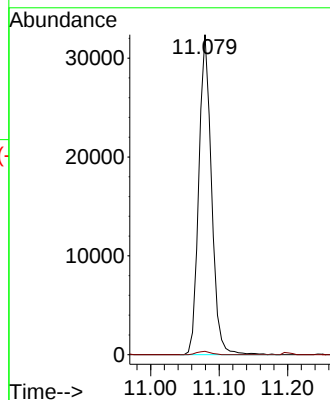
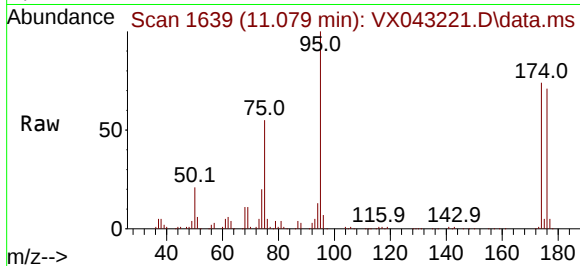




#76
1,2,3-Trichloropropane
Concen: 27.850 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

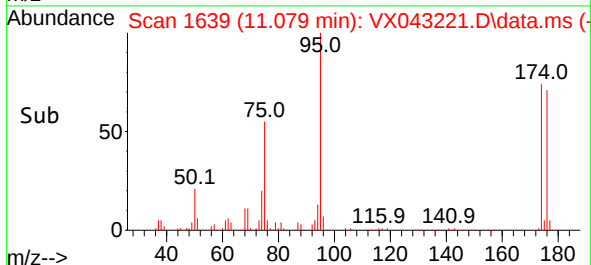
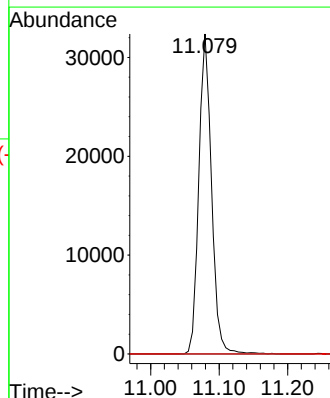
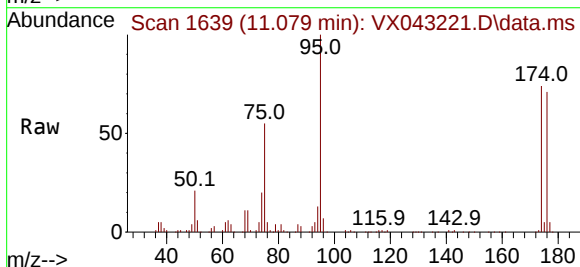
Instrument :
MSVOA_X
ClientSampleId :

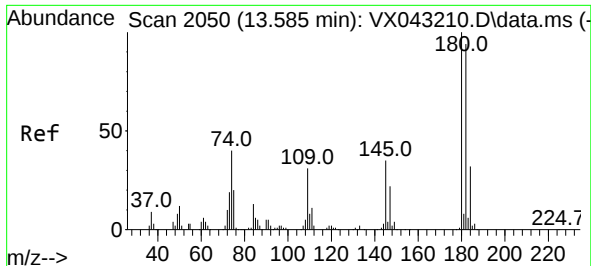
Tgt Ion: 75 Resp: 41814
Ion Ratio Lower Upper
75 100
77 1.2 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.177 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

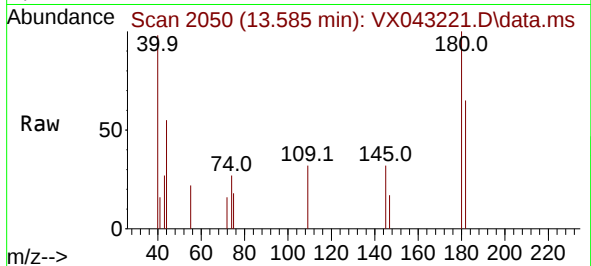
Tgt Ion: 75 Resp: 41814
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#



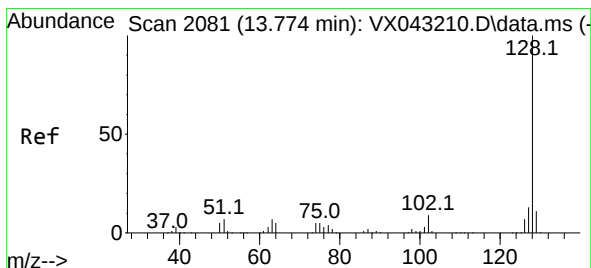
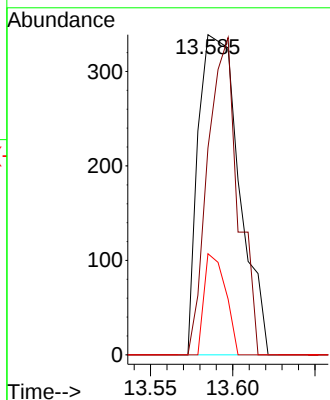
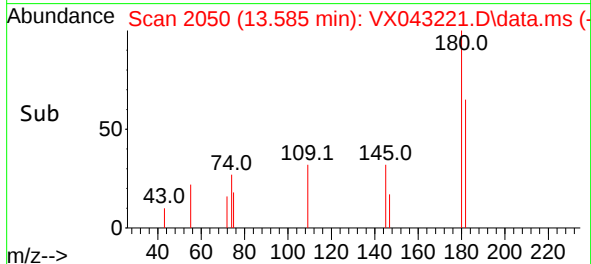


#93
1,2,4-Trichlorobenzene
Concen: 0.441 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11

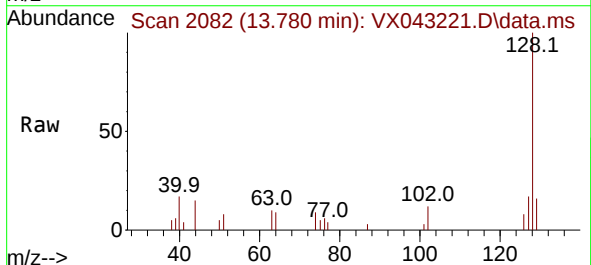
Instrument :
MSVOA_X
ClientSampleId :



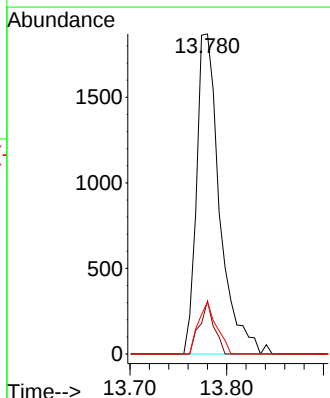
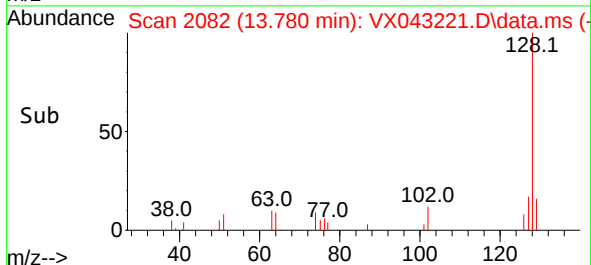
Tgt Ion:180 Resp: 586
Ion Ratio Lower Upper
180 100
182 73.7 47.1 141.3
145 16.6 16.6 49.8#

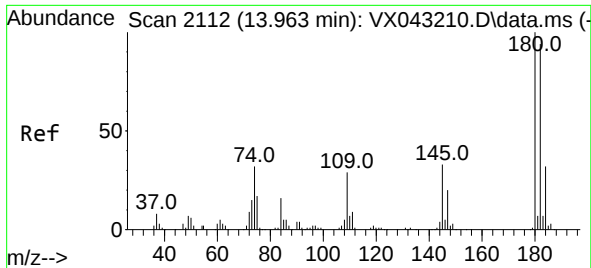


#95
Naphthalene
Concen: 0.638 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX043221.D
Acq: 02 Oct 2024 11:11



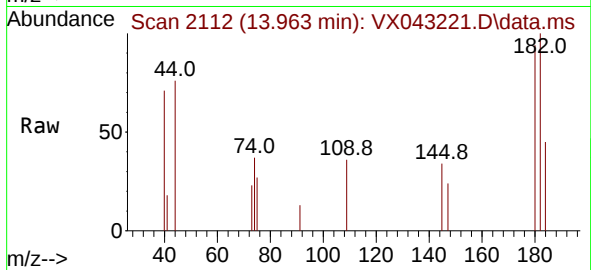
Tgt Ion:128 Resp: 3122
Ion Ratio Lower Upper
128 100
127 10.4 10.2 15.2
129 12.8 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.391 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX043221.D
 Acq: 02 Oct 2024 11:11

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	536
Ion	Ratio	Lower	Upper
180	100		
182	98.7	46.5	139.3
145	31.7	17.2	51.6

