

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102124\
 Data File : VX043461.D
 Acq On : 21 Oct 2024 17:44
 Operator : JC/MD
 Sample : PB164196ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

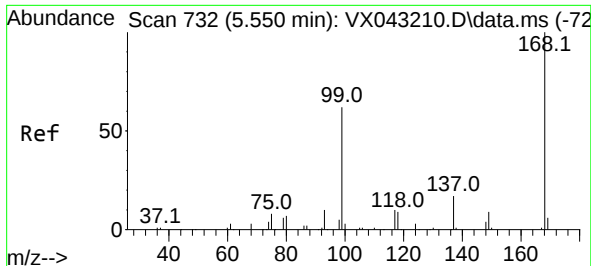
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 22 02:42:30 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	90505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	168248	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76007	51.423	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.840%			
35) Dibromofluoromethane	5.385	113	55718	48.020	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.040%			
50) Toluene-d8	8.647	98	199721	49.670	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.340%			
62) 4-Bromofluorobenzene	11.079	95	72987	49.964	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.920%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	205	0.462	ug/l #	2
6) Chloroethane	1.630	64	164	0.406	ug/l #	1
11) Tert butyl alcohol	2.947	59	2255	8.017	ug/l #	71
13) Acrolein	2.246	56	65	0.245	ug/l #	14
16) Acetone	2.386	43	26864	43.521	ug/l	99
18) Methyl Acetate	2.715	43	3419	2.208	ug/l	95
20) Methylene Chloride	2.794	84	3436	3.019	ug/l	92
23) Vinyl Acetate	3.739	43	19	6.344	ug/l #	71
25) 2-Butanone	4.611	43	2431	2.872	ug/l	94
31) Cyclohexane	5.556	56	2186	1.371	ug/l #	5
36) 1,1-Dichloropropene	5.544	75	7835	5.345	ug/l #	49
37) Ethyl Acetate	4.745	43	1200	0.682	ug/l #	83
38) Carbon Tetrachloride	5.550	117	9863	5.684	ug/l #	14
43) Isopropyl Acetate	6.349	43	99060	34.070	ug/l	99
48) Methyl methacrylate	7.800	41	85588	59.994	ug/l #	44
49) 1,4-Dioxane	7.806	88	166	5.986	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	75759	42.902	ug/l #	50
53) t-1,3-Dichloropropene	8.964	75	624	0.365	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	32975	18.007	ug/l #	56
56) Ethyl methacrylate	9.244	69	639	0.353	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4041	2.143	ug/l #	43
59) 2-Hexanone	9.482	43	60396	45.227	ug/l #	53
74) N-amyl acetate	10.640	43	18892	7.897	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	40869	28.426	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	40869	73.670	ug/l #	8

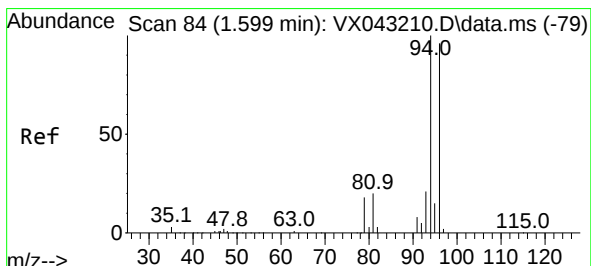
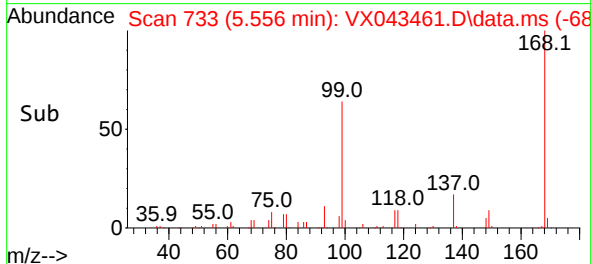
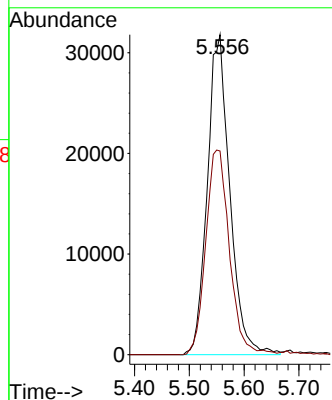
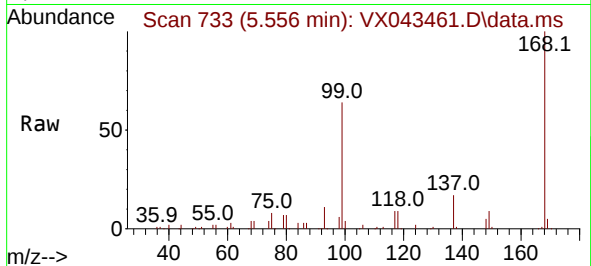
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

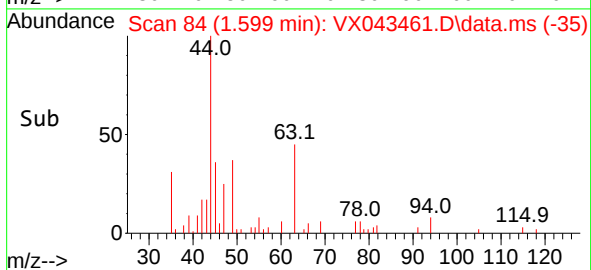
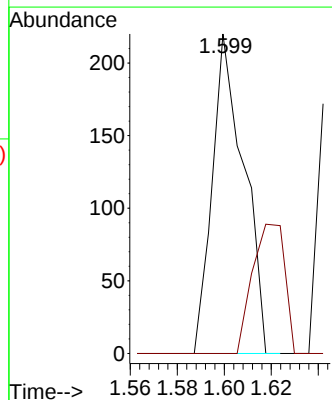
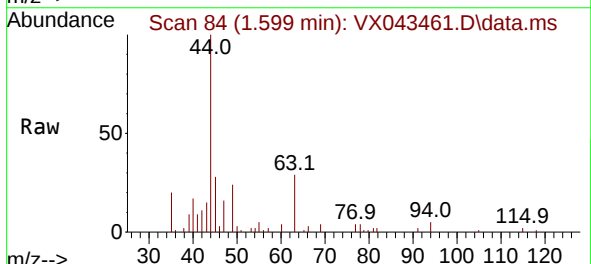
Instrument :
MSVOA_X
ClientSampleId :

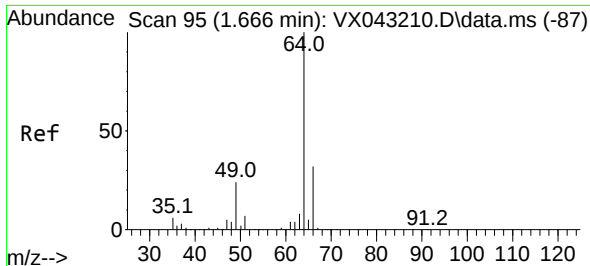
Tgt Ion:168 Resp: 90505
Ion Ratio Lower Upper
168 100
99 63.6 49.7 74.5



#5
Bromomethane
Concen: 0.462 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

Tgt Ion: 94 Resp: 205
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#

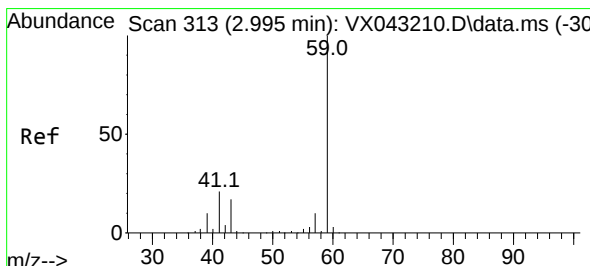
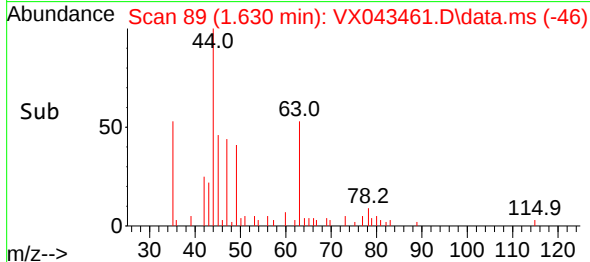
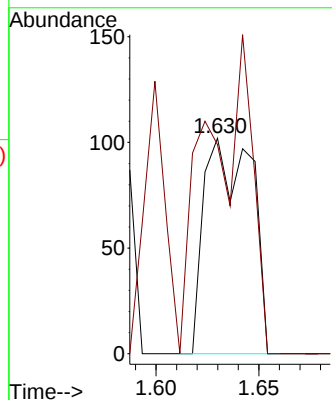
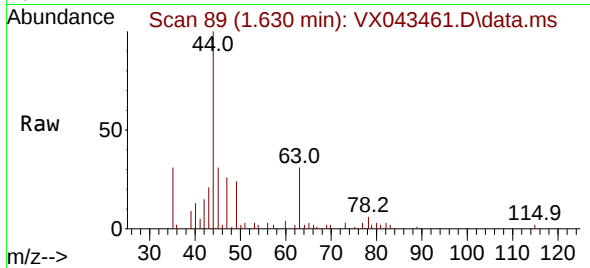




#6
Chloroethane
Concen: 0.406 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.036 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

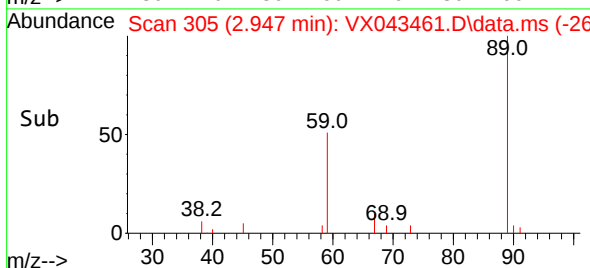
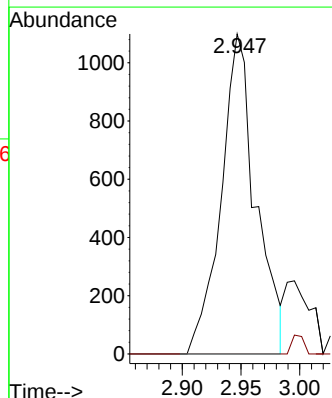
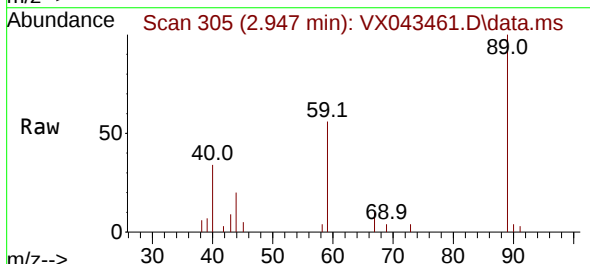
Instrument :
MSVOA_X
ClientSampleId :

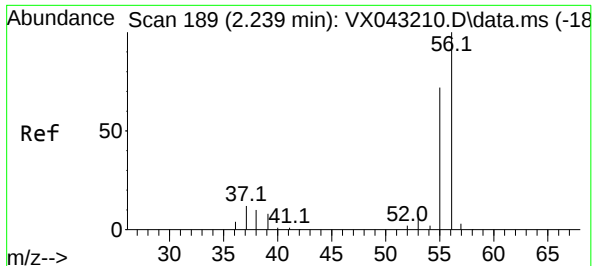
Tgt Ion: 64 Resp: 164
Ion Ratio Lower Upper
64 100
66 97.1 25.8 38.8#



#11
Tert butyl alcohol
Concen: 8.017 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

Tgt Ion: 59 Resp: 2255
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#13

Acrolein

Concen: 0.245 ug/l

RT: 2.246 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX043461.D

Acq: 21 Oct 2024 17:44

Instrument :

MSVOA_X

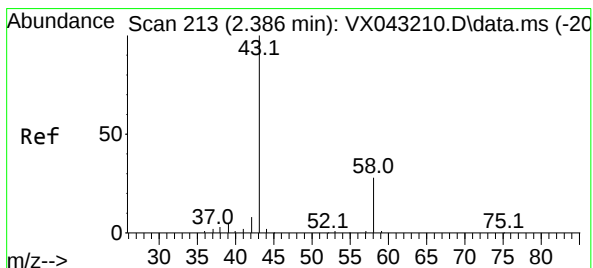
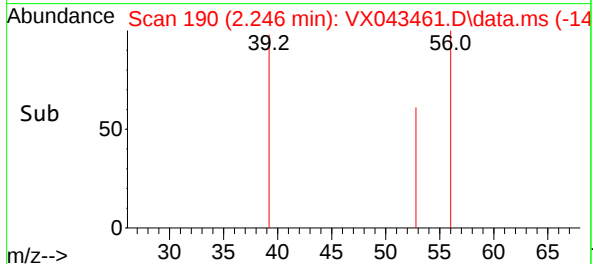
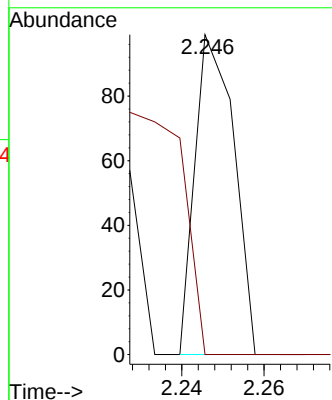
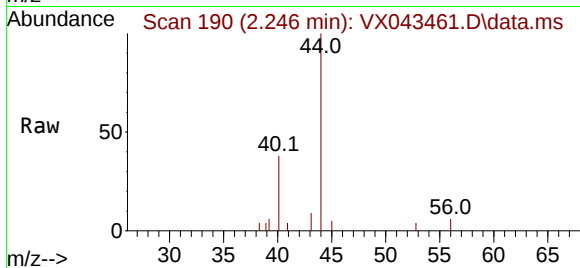
ClientSampleId :

Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



#16

Acetone

Concen: 43.521 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX043461.D

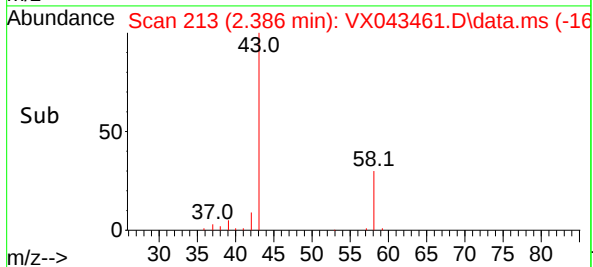
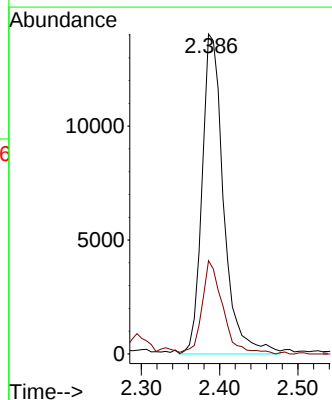
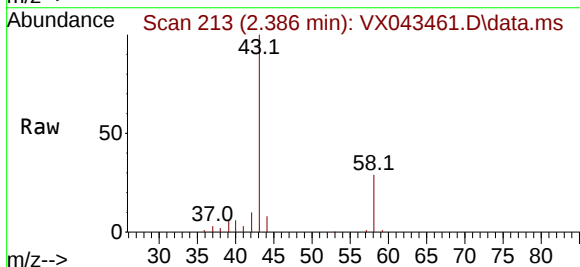
Acq: 21 Oct 2024 17:44

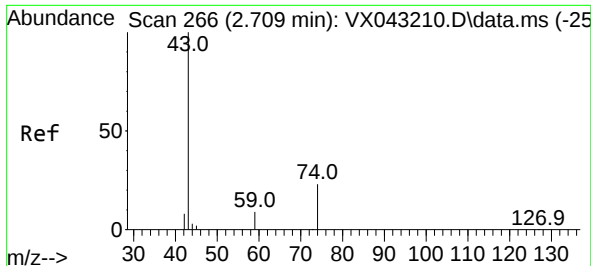
Tgt Ion: 43 Resp: 26864

Ion Ratio Lower Upper

43 100

58 28.7 22.6 33.8

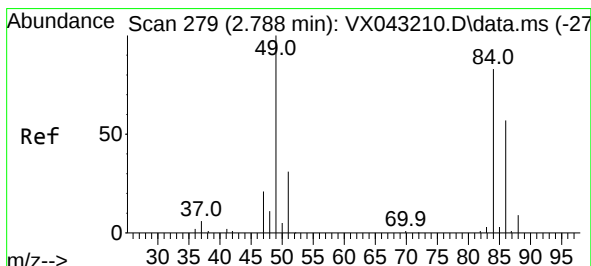
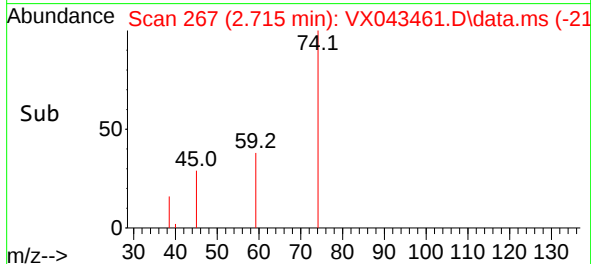
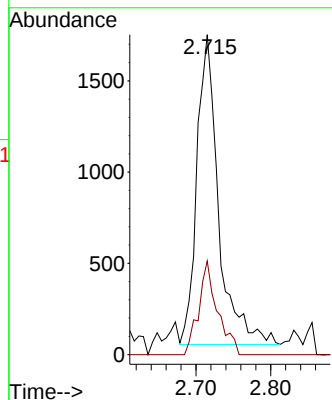
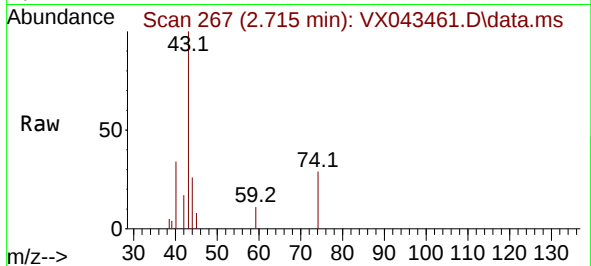




#18
Methyl Acetate
Concen: 2.208 ug/l
RT: 2.715 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

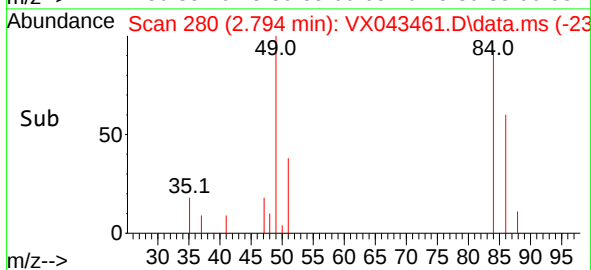
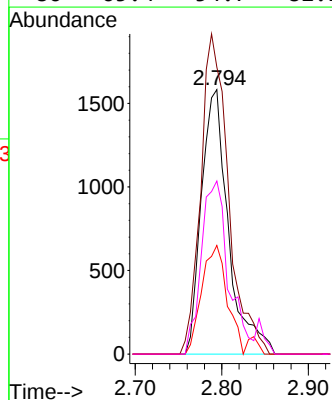
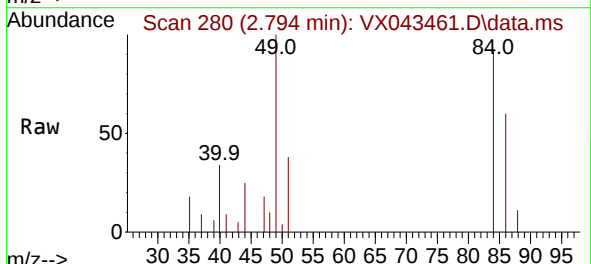
Instrument :
MSVOA_X
ClientSampleId :

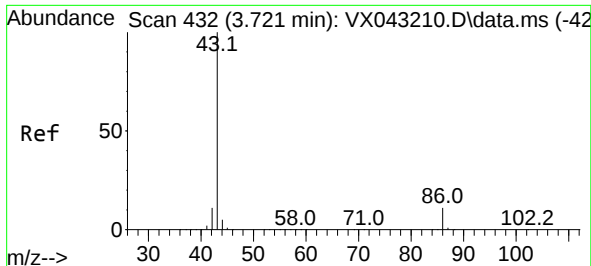
Tgt Ion: 43 Resp: 3419
Ion Ratio Lower Upper
43 100
74 26.3 19.1 28.7



#20
Methylene Chloride
Concen: 3.019 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

Tgt Ion: 84 Resp: 3436
Ion Ratio Lower Upper
84 100
49 108.5 96.7 145.1
51 41.1 30.4 45.6
86 65.4 54.7 82.1

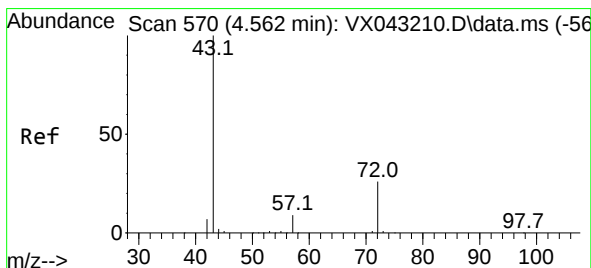
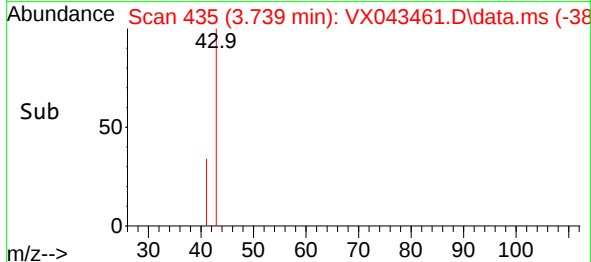
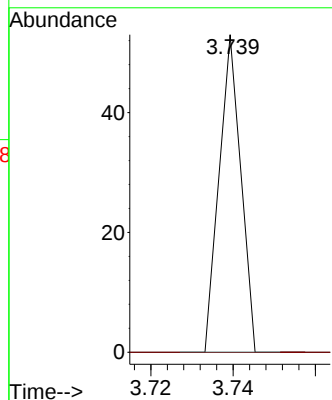
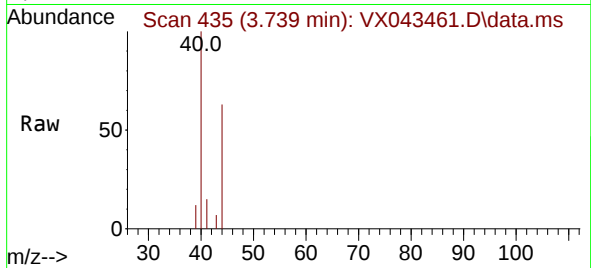




#23
 Vinyl Acetate
 Concen: 6.344 ug/l
 RT: 3.739 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: VX043461.D
 Acq: 21 Oct 2024 17:44

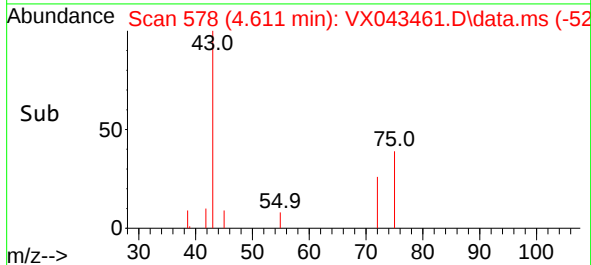
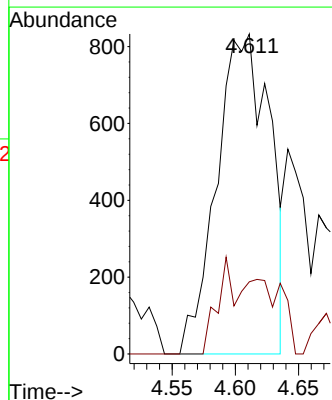
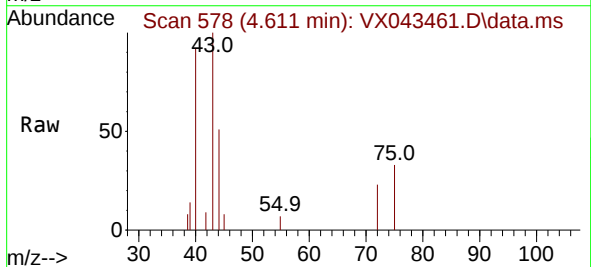
Instrument :
 MSVOA_X
 ClientSampleId :

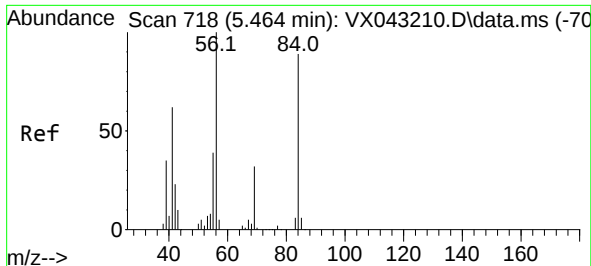
Tgt Ion: 43 Resp: 19
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 2.872 ug/l
 RT: 4.611 min Scan# 578
 Delta R.T. 0.049 min
 Lab File: VX043461.D
 Acq: 21 Oct 2024 17:44

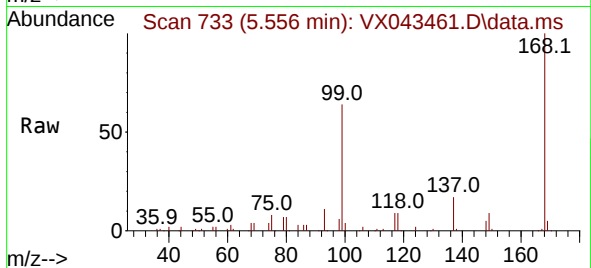
Tgt Ion: 43 Resp: 2431
 Ion Ratio Lower Upper
 43 100
 72 22.6 20.6 31.0



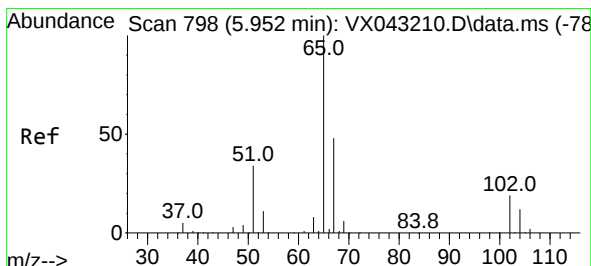
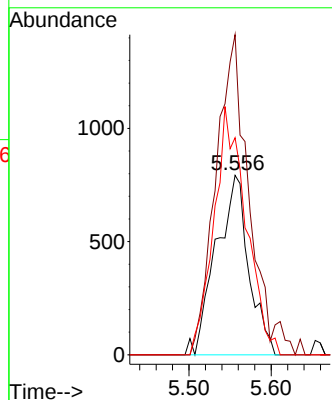
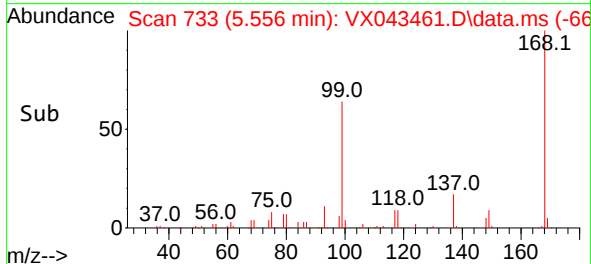


#31
Cyclohexane
Concen: 1.371 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :

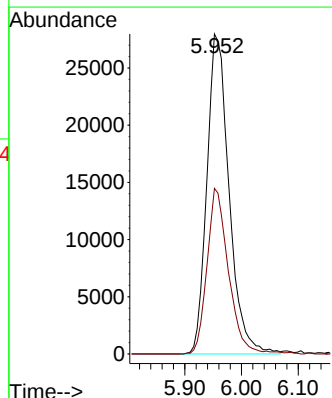
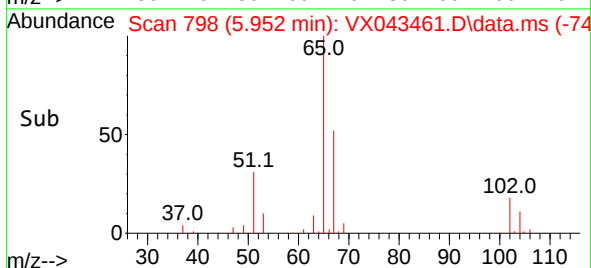
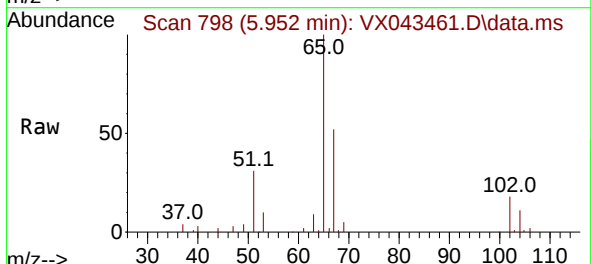


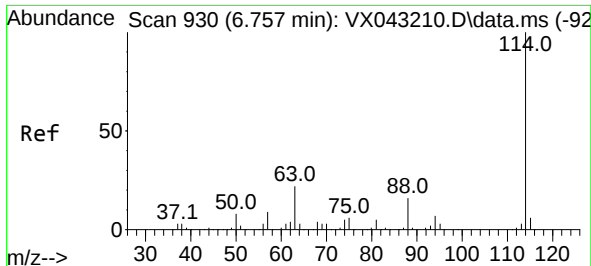
Tgt Ion: 56 Resp: 2186
Ion Ratio Lower Upper
56 100
69 178.3 25.8 38.6#
84 120.9 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 51.423 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

Tgt Ion: 65 Resp: 76007
Ion Ratio Lower Upper
65 100
67 50.1 0.0 99.0

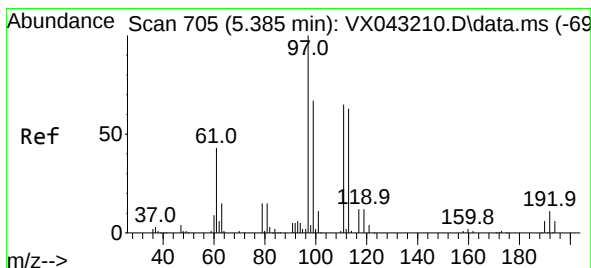
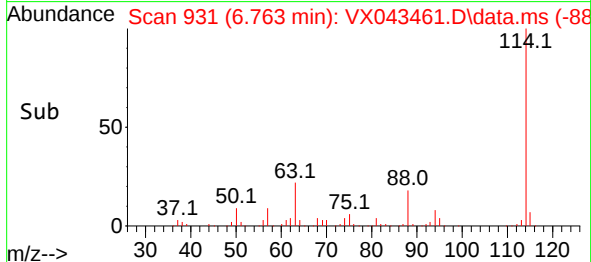
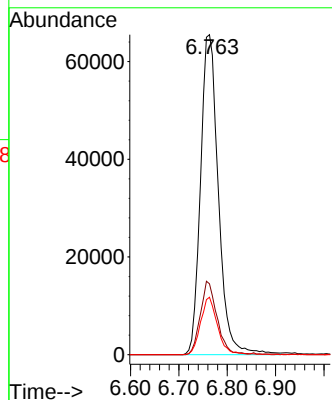
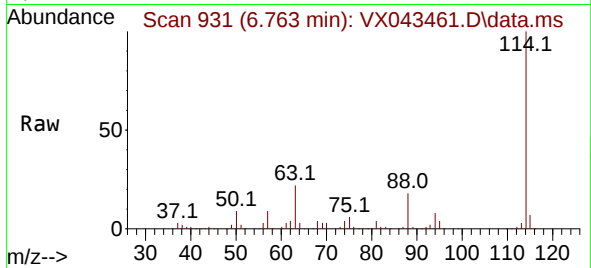




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

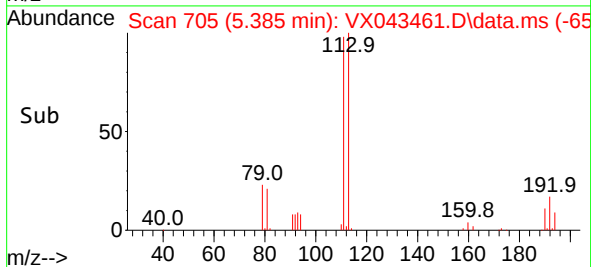
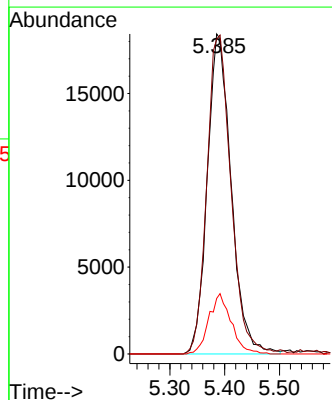
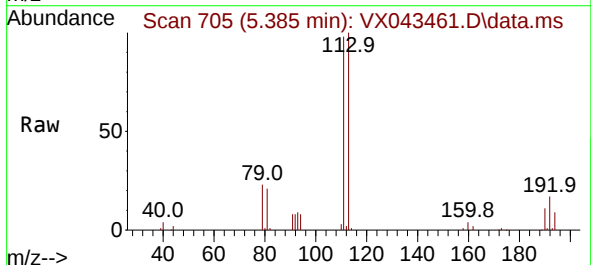
Instrument :
MSVOA_X
ClientSampleId :

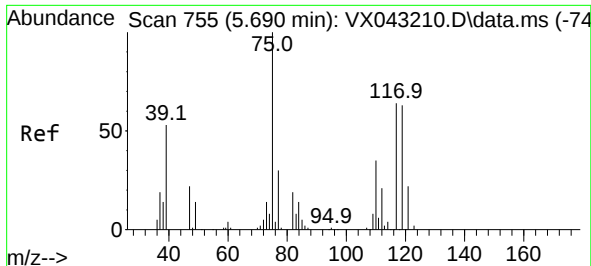
Tgt Ion:114 Resp: 168248
Ion Ratio Lower Upper
114 100
63 22.1 0.0 43.0
88 18.0 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.020 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

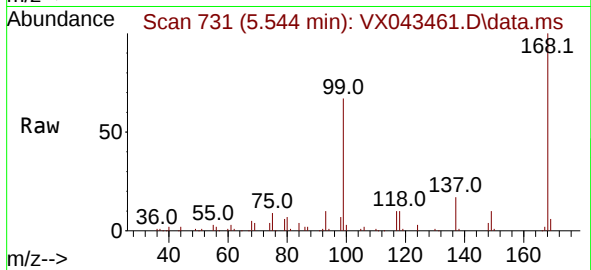
Tgt Ion:113 Resp: 55718
Ion Ratio Lower Upper
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111 100.2 83.4 125.0
192 17.7 14.1 21.1



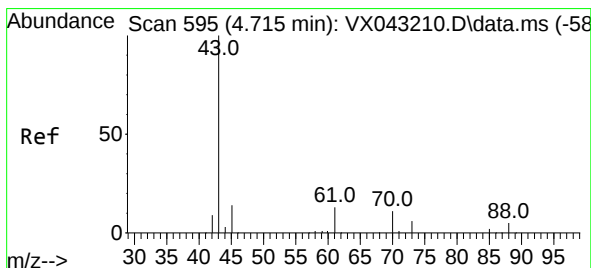
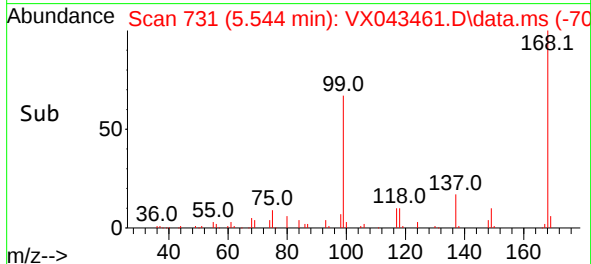
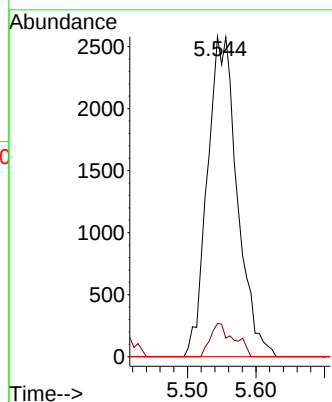


#36
1,1-Dichloropropene
Concen: 5.345 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :

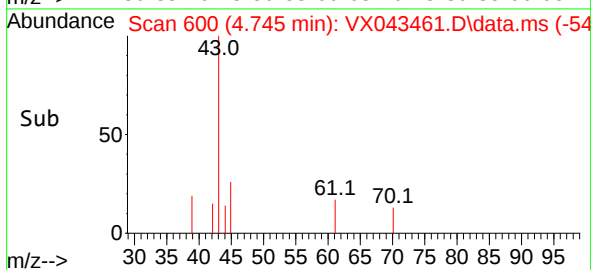
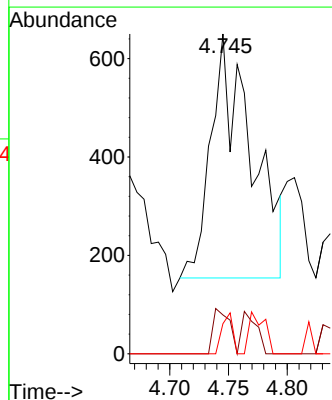
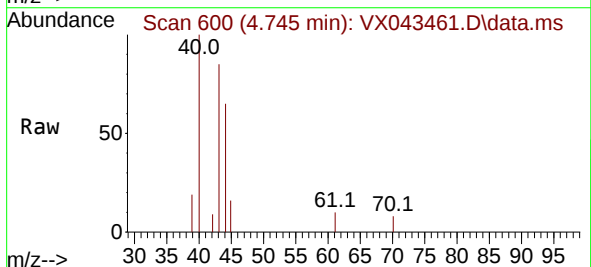


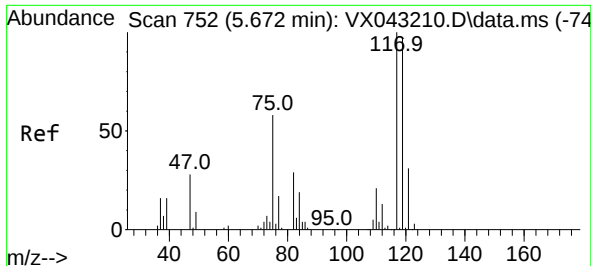
Tgt Ion: 75 Resp: 7835
Ion Ratio Lower Upper
75 100
110 8.1 17.8 53.3#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 0.682 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.031 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

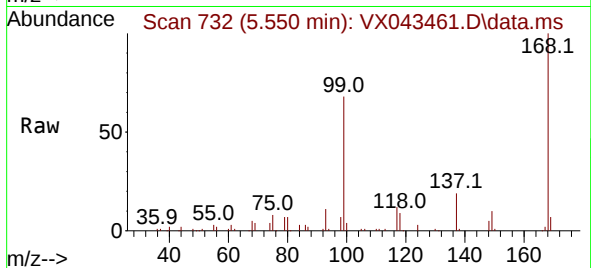
Tgt Ion: 43 Resp: 1200
Ion Ratio Lower Upper
43 100
61 7.2 11.0 16.4#
70 4.4 8.9 13.3#



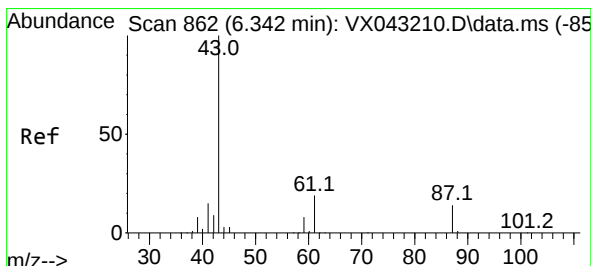
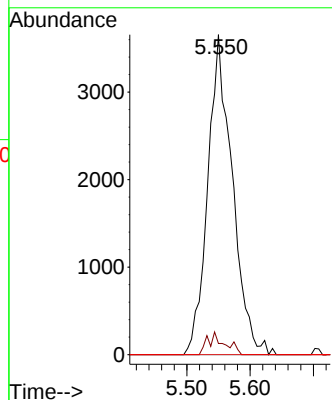
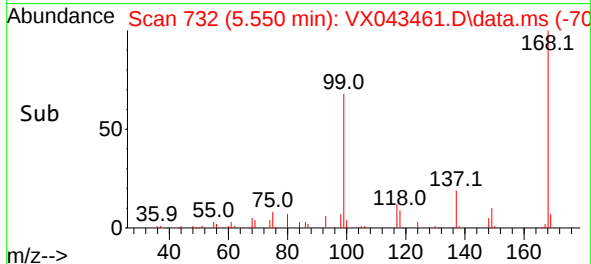


#38
Carbon Tetrachloride
Concen: 5.684 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :

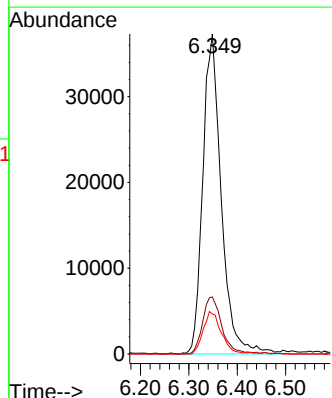
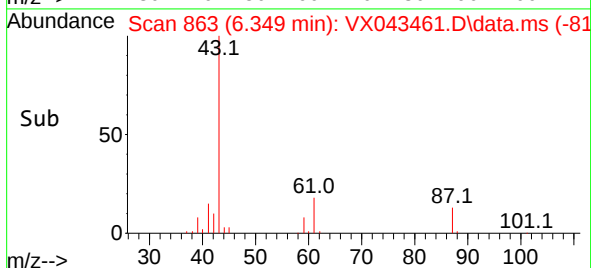
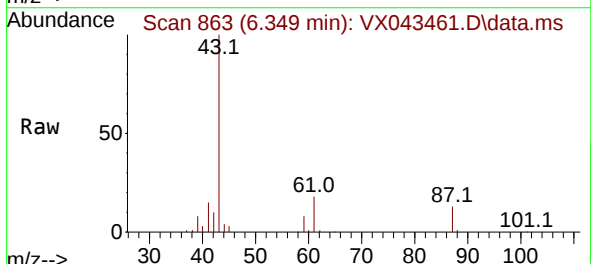


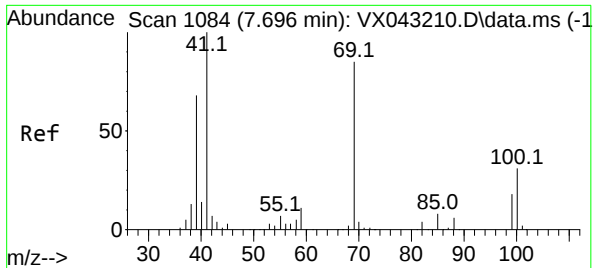
Tgt Ion:117 Resp: 9863
Ion Ratio Lower Upper
117 100
119 3.5 77.7 116.5#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 34.070 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

Tgt Ion: 43 Resp: 99060
Ion Ratio Lower Upper
43 100
61 18.5 15.1 22.7
87 12.9 10.8 16.2

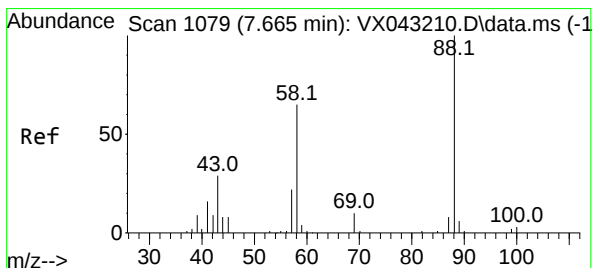
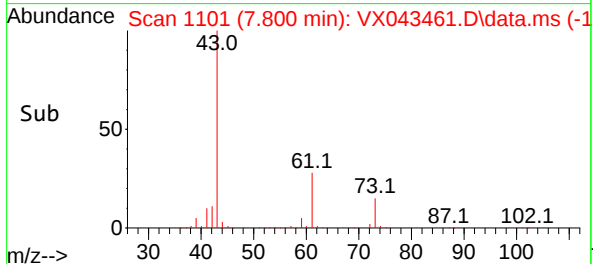
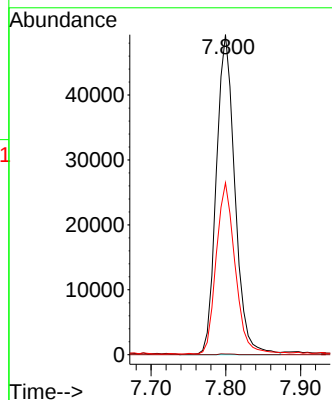
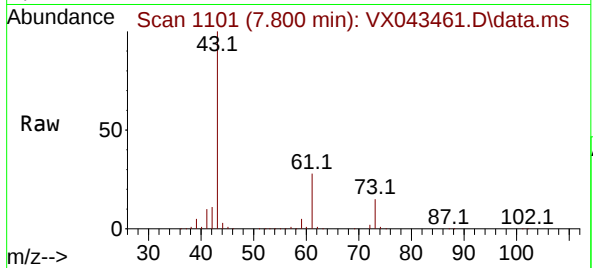




#48
Methyl methacrylate
Concen: 59.994 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

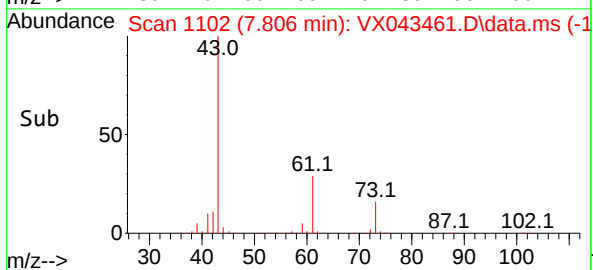
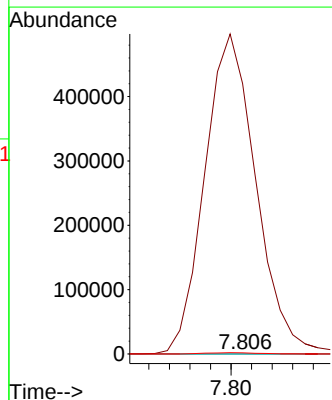
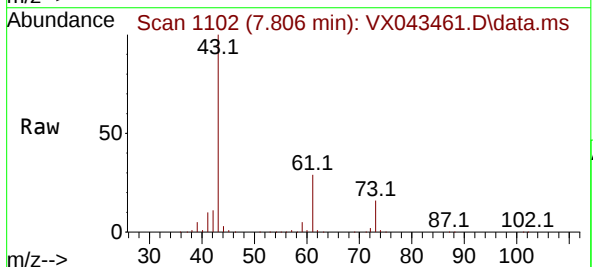
Instrument :
MSVOA_X
ClientSampleId :

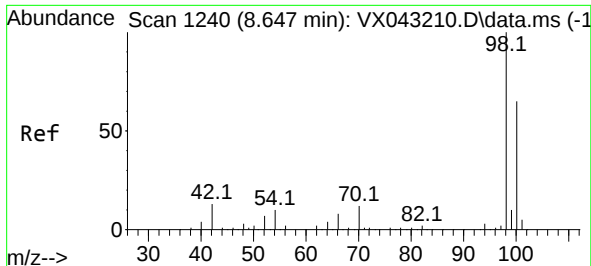
Tgt Ion: 41 Resp: 85588
Ion Ratio Lower Upper
41 100
69 0.2 64.1 96.1#
39 54.5 52.8 79.2



#49
1,4-Dioxane
Concen: 5.986 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

Tgt Ion: 88 Resp: 166
Ion Ratio Lower Upper
88 100
43 527573.5 29.5 44.3#
58 2153.0 55.2 82.8#





#50

Toluene-d8

Concen: 49.670 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX043461.D

Acq: 21 Oct 2024 17:44

Instrument :

MSVOA_X

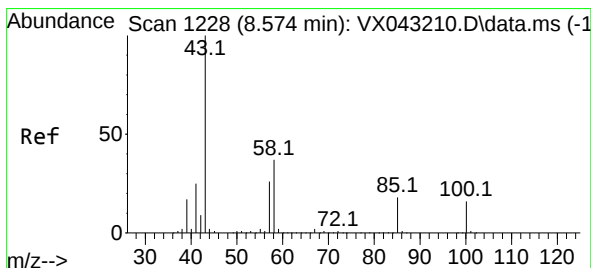
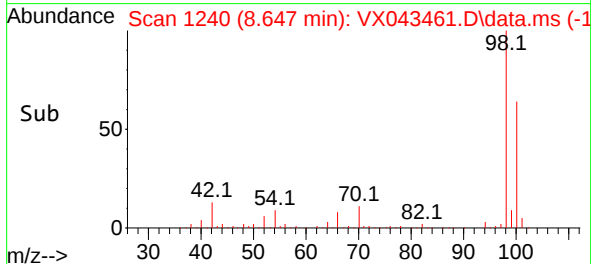
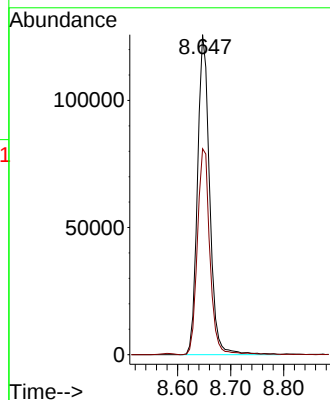
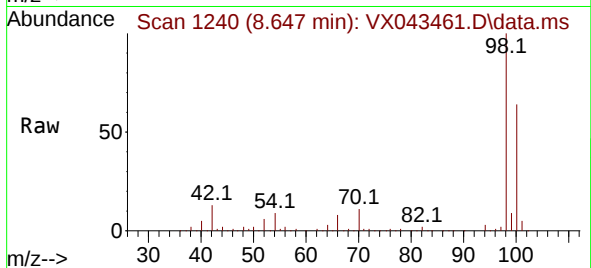
ClientSampleId :

Tgt Ion: 98 Resp: 199721

Ion Ratio Lower Upper

98 100

100 66.3 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 42.902 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX043461.D

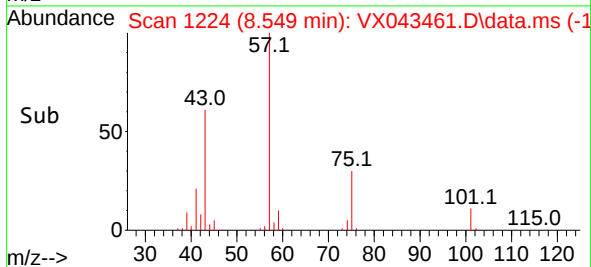
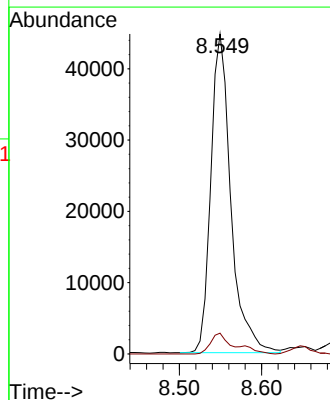
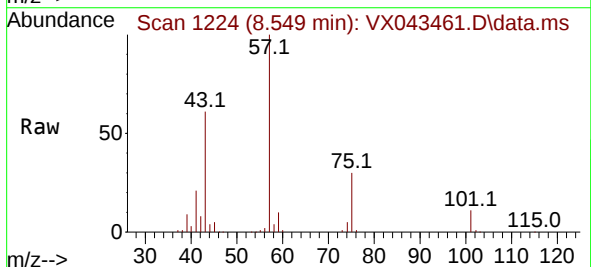
Acq: 21 Oct 2024 17:44

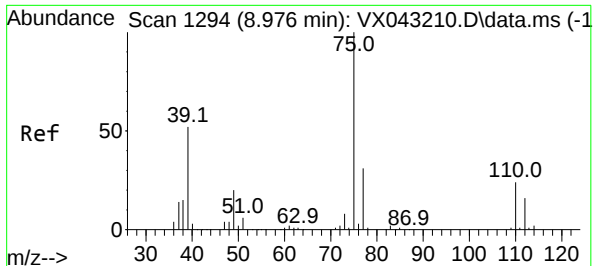
Tgt Ion: 43 Resp: 75759

Ion Ratio Lower Upper

43 100

58 7.7 30.0 45.0#





#53

t-1,3-Dichloropropene

Concen: 0.365 ug/l

RT: 8.964 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX043461.D

Acq: 21 Oct 2024 17:44

Instrument :

MSVOA_X

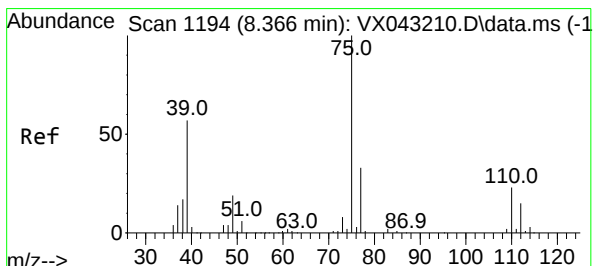
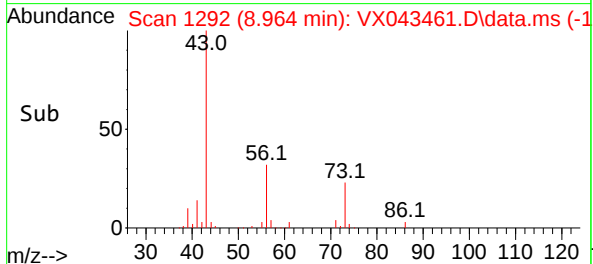
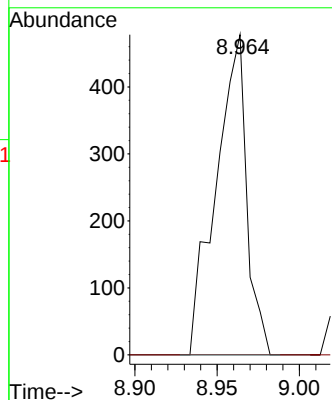
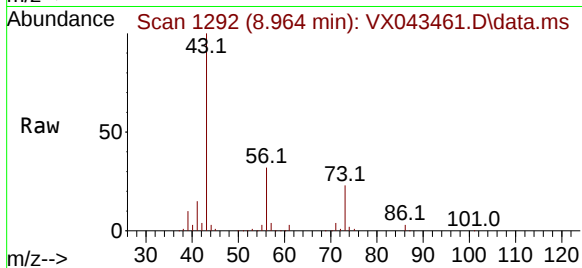
ClientSampleId :

Tgt Ion: 75 Resp: 624

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 18.007 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX043461.D

Acq: 21 Oct 2024 17:44

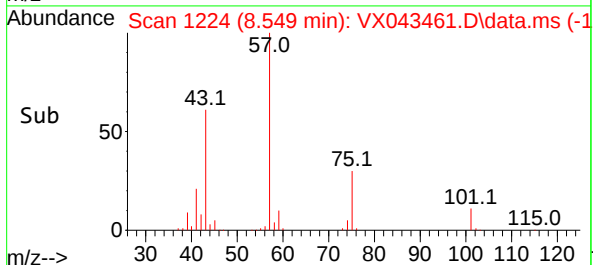
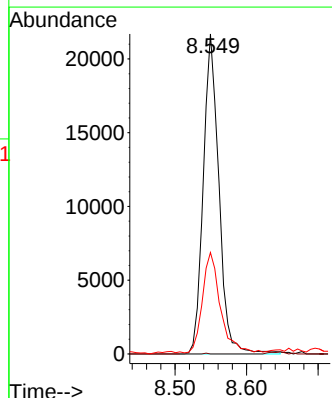
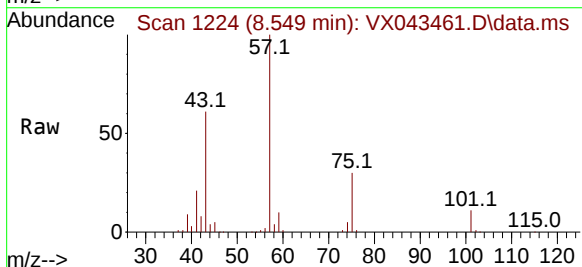
Tgt Ion: 75 Resp: 32975

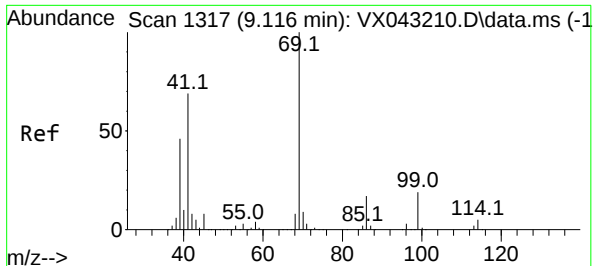
Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#

39 31.0 45.8 68.8#

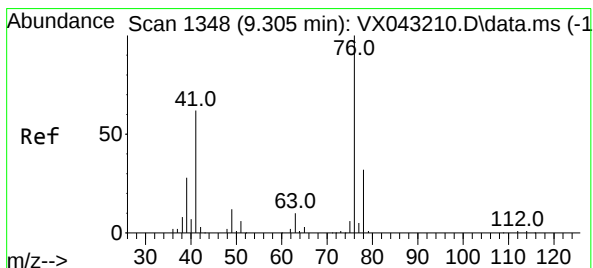
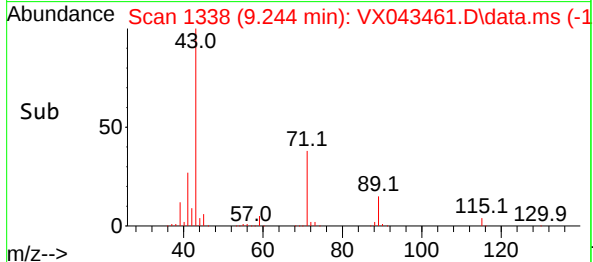
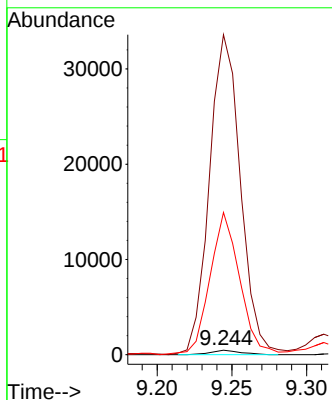
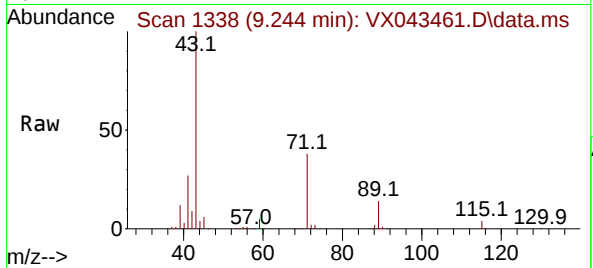




#56
Ethyl methacrylate
Concen: 0.353 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

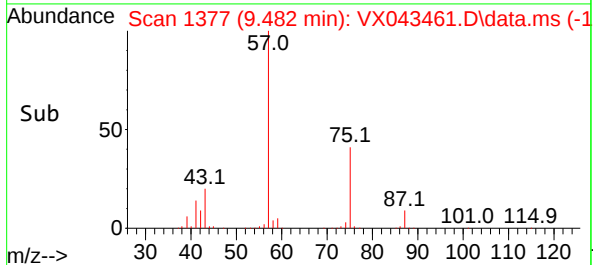
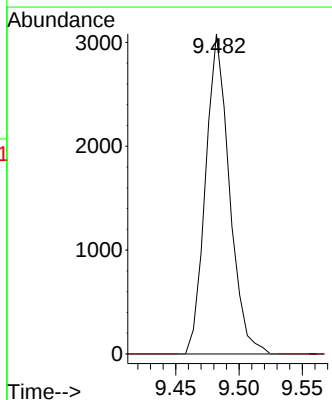
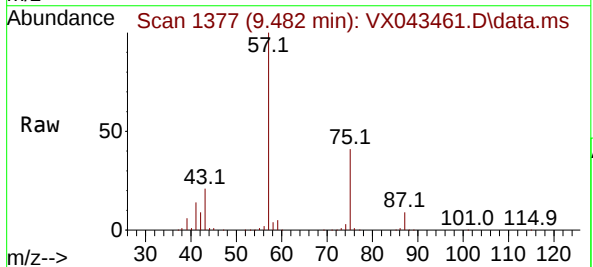
Instrument :
MSVOA_X
ClientSampleId :

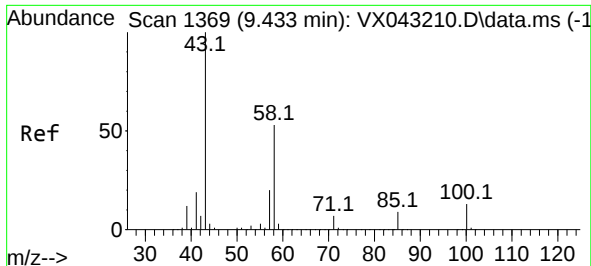
Tgt Ion: 69 Resp: 639
Ion Ratio Lower Upper
69 100
41 7606.1 56.1 84.1#
39 3244.4 36.4 54.6#



#57
1,3-Dichloropropane
Concen: 2.143 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

Tgt Ion: 76 Resp: 4041
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

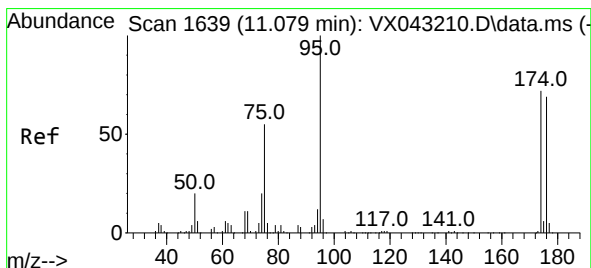
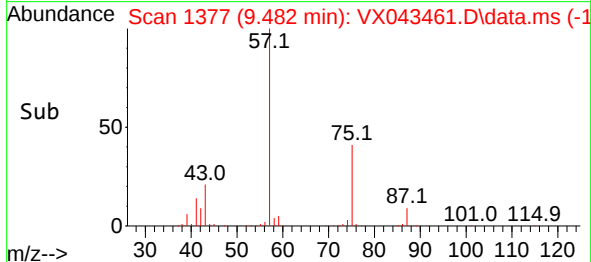
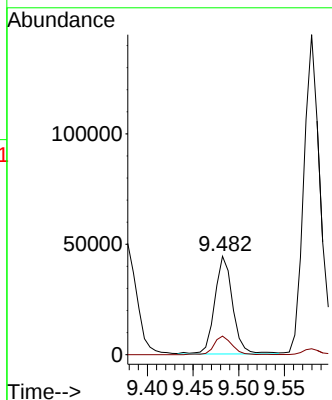
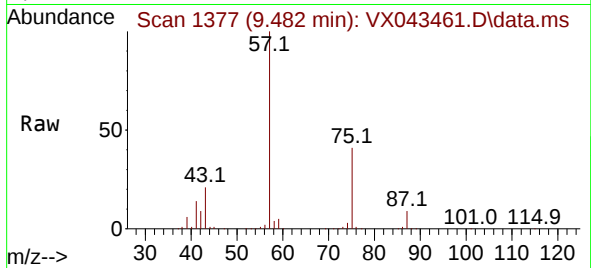




#59
2-Hexanone
Concen: 45.227 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

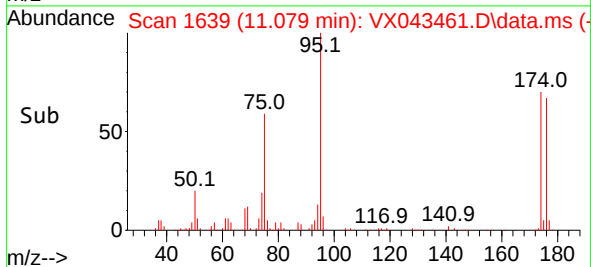
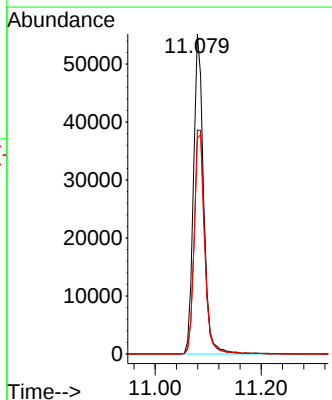
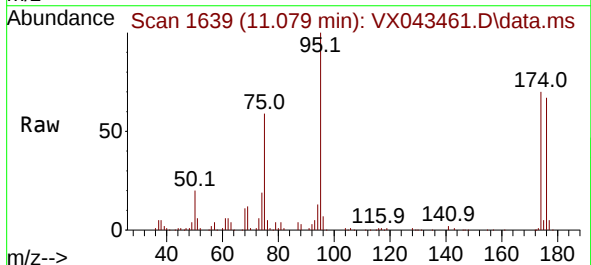
Instrument :
MSVOA_X
ClientSampleId :

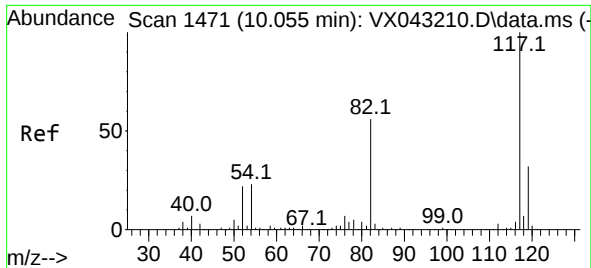
Tgt Ion: 43 Resp: 60396
Ion Ratio Lower Upper
43 100
58 19.2 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 49.964 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

Tgt Ion: 95 Resp: 72987
Ion Ratio Lower Upper
95 100
174 73.6 0.0 145.0
176 70.9 0.0 143.0

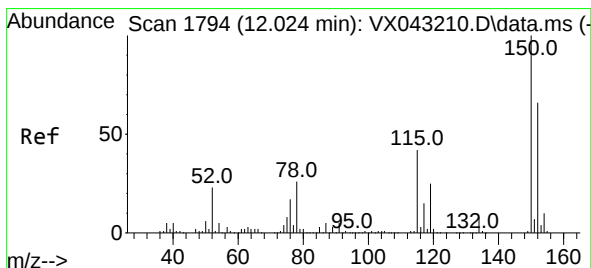
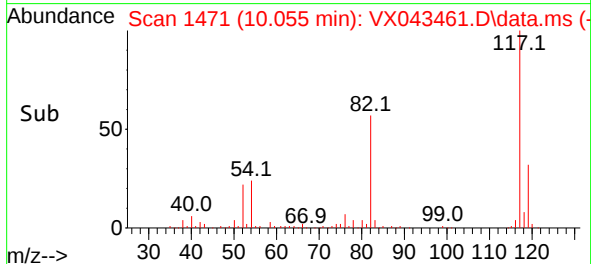
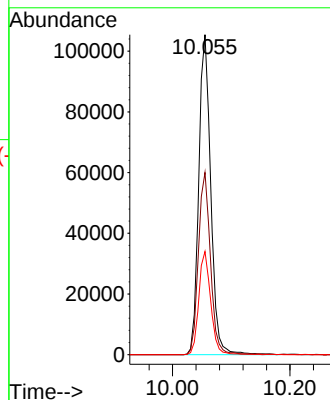
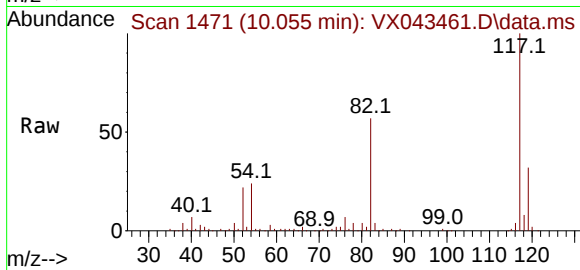




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

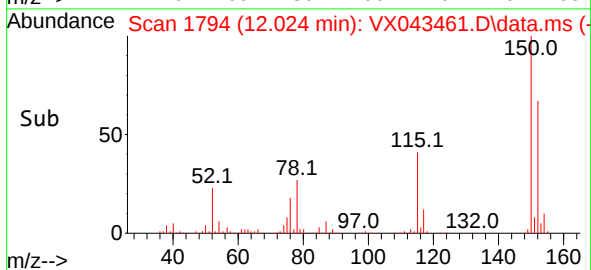
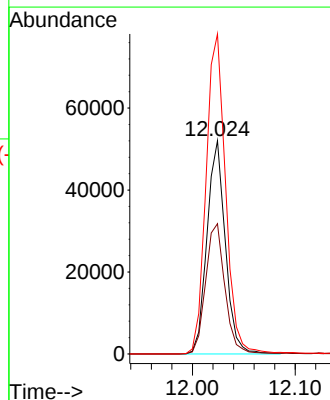
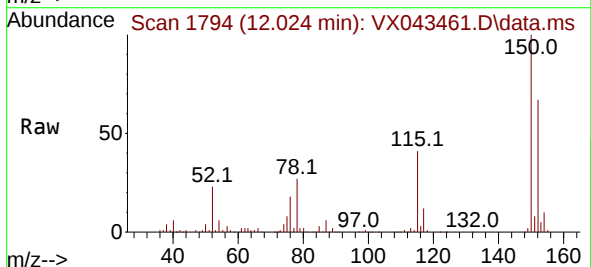
Instrument :
MSVOA_X
ClientSampleId :

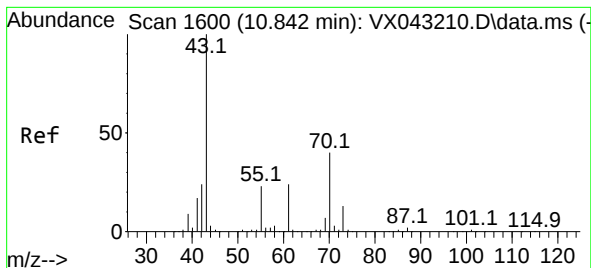
Tgt Ion:117 Resp: 149352
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.6
119 32.3 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

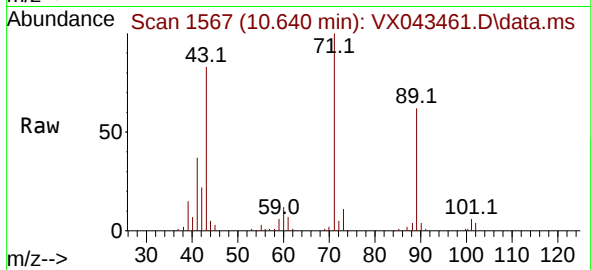
Tgt Ion:152 Resp: 64818
Ion Ratio Lower Upper
152 100
115 64.2 44.1 132.3
150 159.8 0.0 347.4



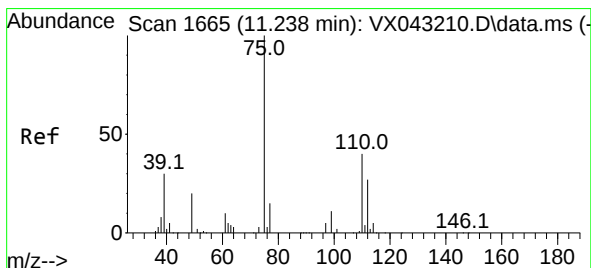
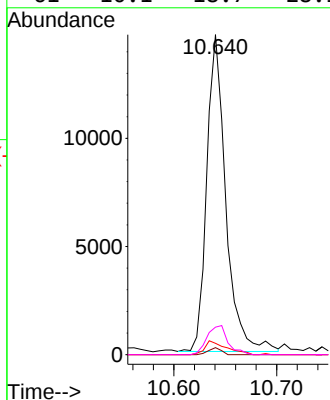
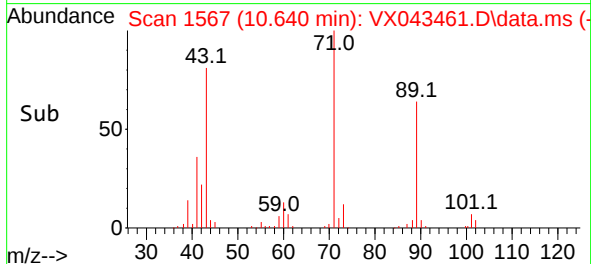


#74
N-amy1 acetate
Concen: 7.897 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :

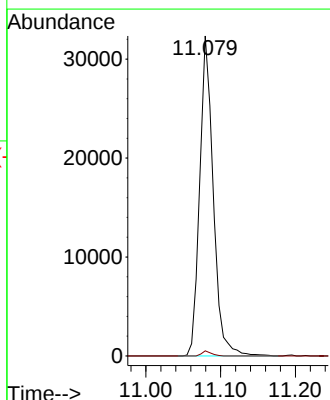
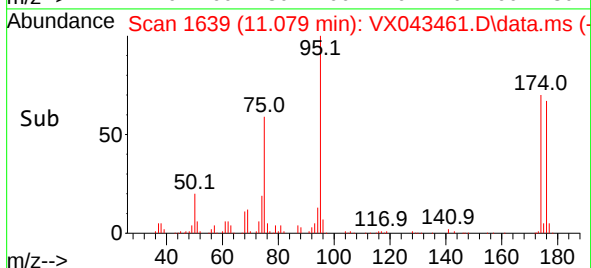
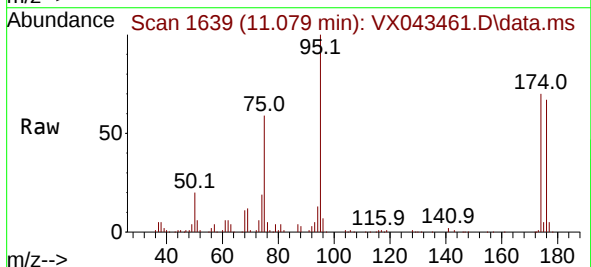


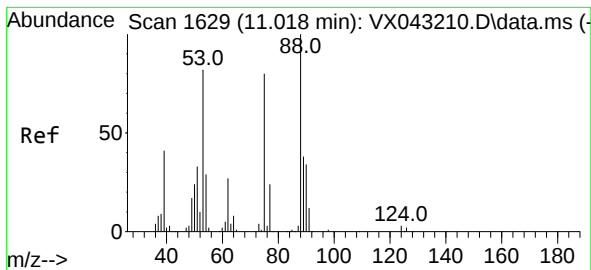
Tgt Ion:	43	Resp:	18892
Ion	Ratio	Lower	Upper
43	100		
70	1.5	33.1	49.7#
55	5.0	18.6	27.8#
61	10.1	18.7	28.1#



#76
1,2,3-Trichloropropane
Concen: 28.426 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

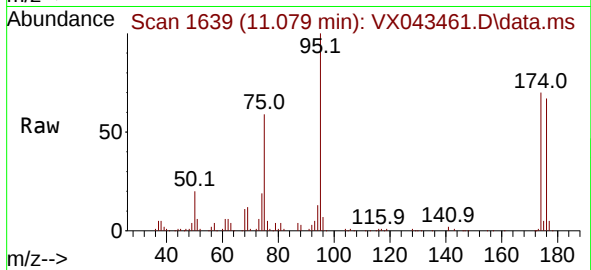
Tgt Ion:	75	Resp:	40869
Ion	Ratio	Lower	Upper
75	100		
77	1.1	22.0	66.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.670 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX043461.D
Acq: 21 Oct 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 40869
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

