

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042825\
 Data File : VX045951.D
 Acq On : 28 Apr 2025 13:07
 Operator : JC/MD
 Sample : Q1871-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-A

Quant Time: Apr 29 01:33:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

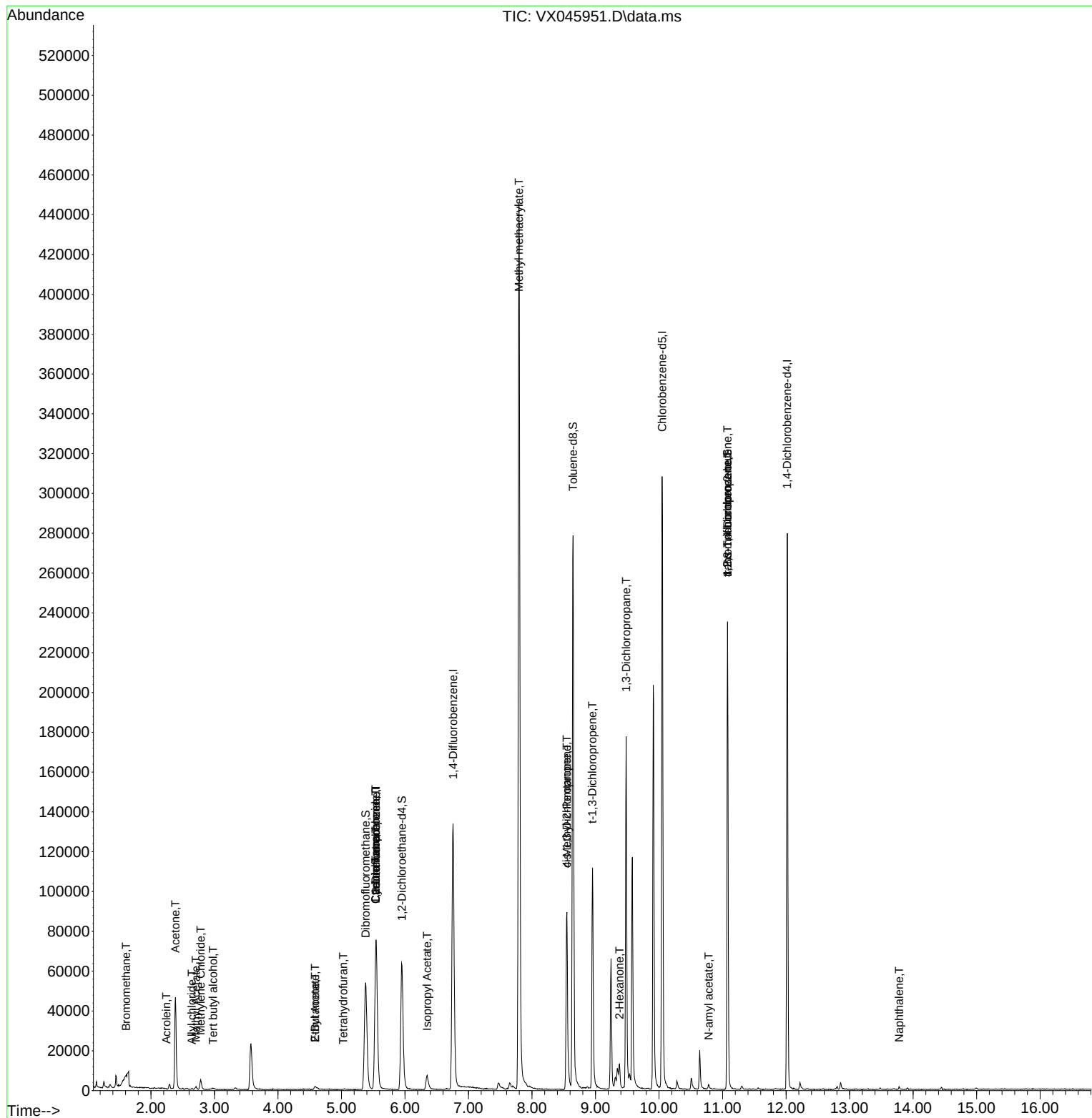
Internal Standards						
1) Pentafluorobenzene	5.544	168	63491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129354	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64484	55.538	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.080%	
35) Dibromofluoromethane	5.379	113	46964	51.172	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.340%	
50) Toluene-d8	8.647	98	163740	51.115	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.220%	
62) 4-Bromofluorobenzene	11.079	95	62054	53.182	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.360%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	103	0.243	ug/l #	3
11) Tert butyl alcohol	2.977	59	881	5.646	ug/l #	72
13) Acrolein	2.239	56	92	0.428	ug/l	90
14) Allyl chloride	2.642	41	368	0.254	ug/l #	46
16) Acetone	2.386	43	52787	110.717	ug/l	99
18) Methyl Acetate	2.709	43	2145	1.954	ug/l #	89
20) Methylene Chloride	2.782	84	2280	2.554	ug/l	95
25) 2-Butanone	4.587	43	3703	5.306	ug/l #	90
29) Tetrahydrofuran	5.026	42	159	0.351	ug/l #	35
31) Cyclohexane	5.538	56	2096	1.472	ug/l #	53
36) 1,1-Dichloropropene	5.538	75	6469	5.220	ug/l #	51
37) Ethyl Acetate	4.587	43	3703	2.371	ug/l #	71
38) Carbon Tetrachloride	5.538	117	7475	5.582	ug/l #	15
43) Isopropyl Acetate	6.348	43	10224	4.320	ug/l	97
48) Methyl methacrylate	7.793	41	45204	36.991	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	37854	24.126	ug/l #	53
53) t-1,3-Dichloropropene	8.952	75	229	2.446	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13729	10.092	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1519	0.956	ug/l #	42
59) 2-Hexanone	9.378	43	12028	10.352	ug/l #	28
74) N-amyl acetate	10.781	43	1617	0.826	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	35622	28.591	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35622	97.035	ug/l #	1
95) Naphthalene	13.780	128	1149	0.324	ug/l #	92

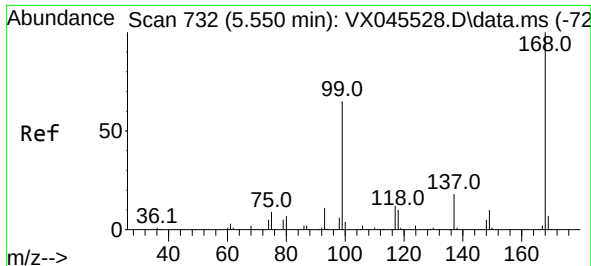
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX045951.D

Acq: 28 Apr 2025 13:07

Instrument :

MSVOA_X

ClientSampleId :

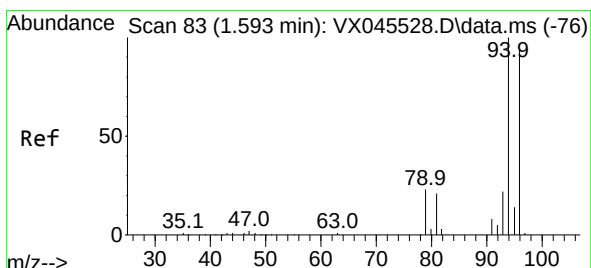
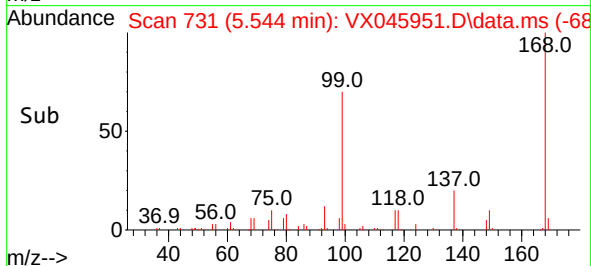
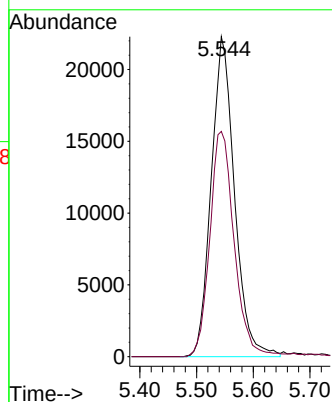
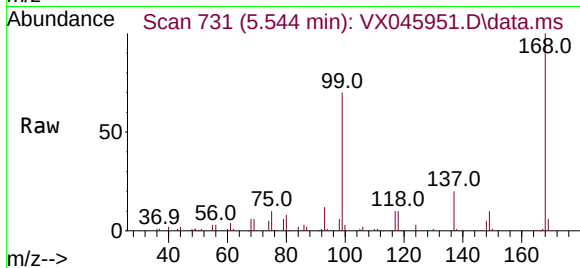
MH-A

Tgt Ion:168 Resp: 63491

Ion Ratio Lower Upper

168 100

99 70.4 52.3 78.5



#5

Bromomethane

Concen: 0.243 ug/l

RT: 1.605 min Scan# 85

Delta R.T. 0.012 min

Lab File: VX045951.D

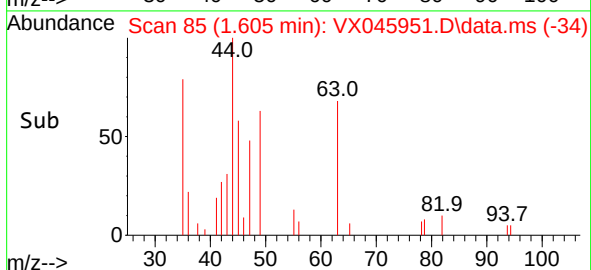
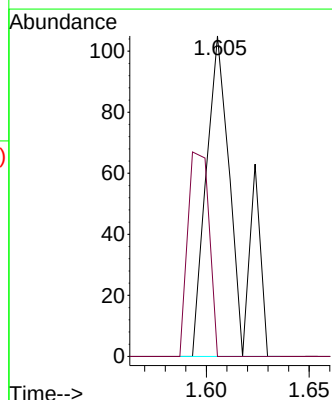
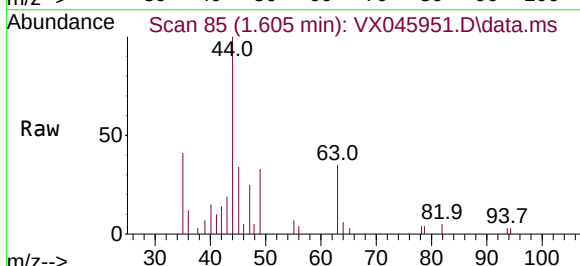
Acq: 28 Apr 2025 13:07

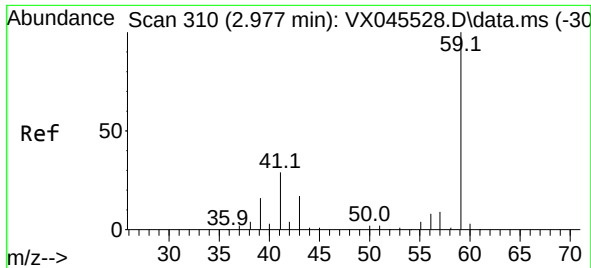
Tgt Ion: 94 Resp: 103

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#

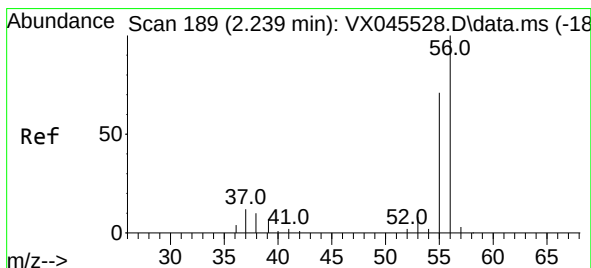
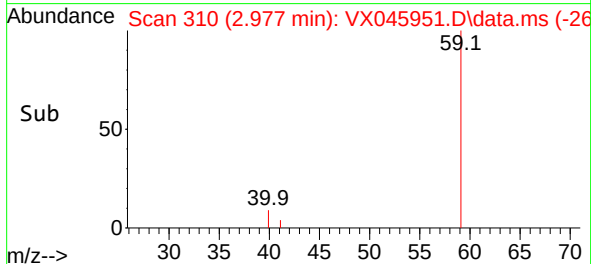
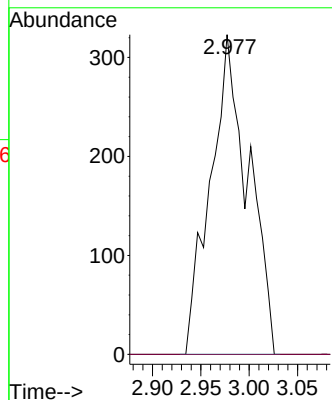
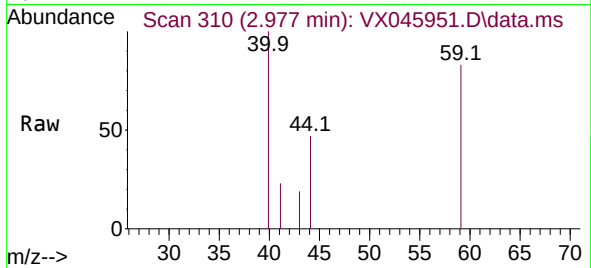




#11
Tert butyl alcohol
Concen: 5.646 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

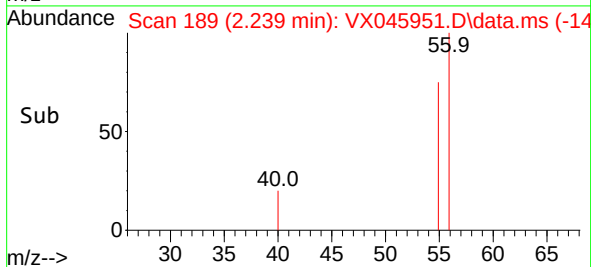
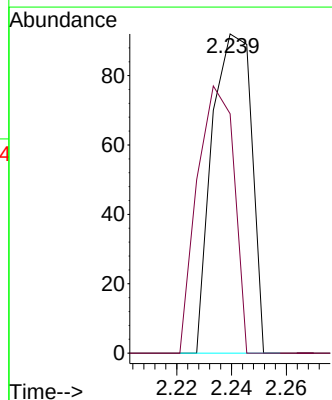
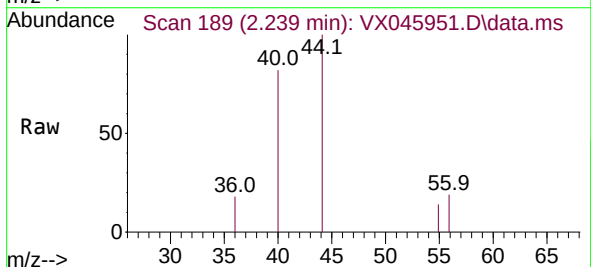
Instrument :
MSVOA_X
ClientSampleId :
MH-A

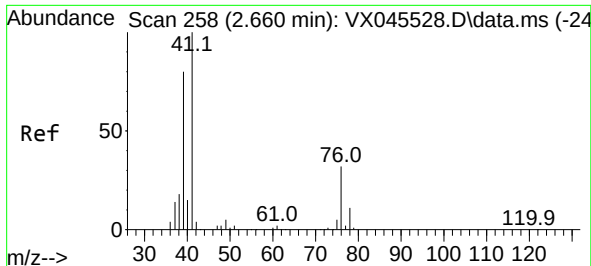
Tgt Ion: 59 Resp: 881
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.428 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 78.3 56.2 84.2

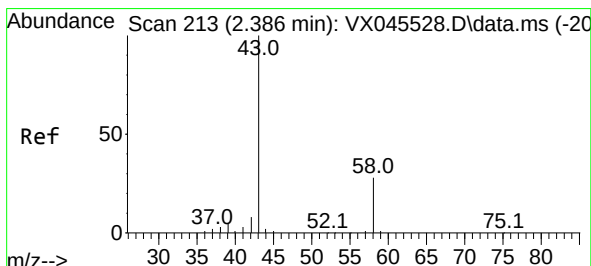
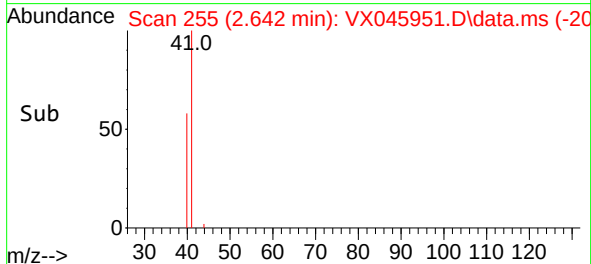
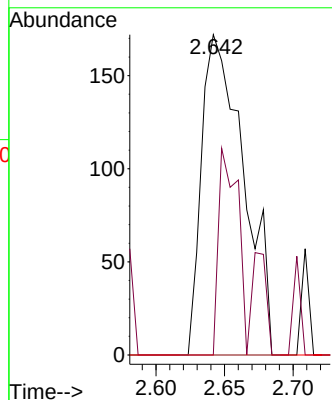
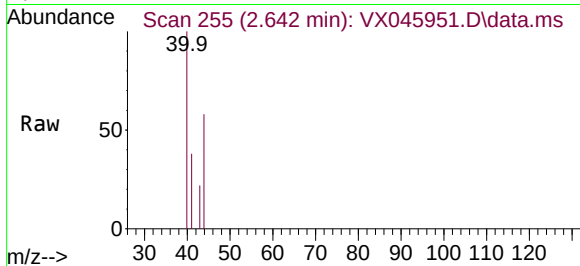




#14
 Allyl chloride
 Concen: 0.254 ug/l
 RT: 2.642 min Scan# 215
 Delta R.T. -0.018 min
 Lab File: VX045951.D
 Acq: 28 Apr 2025 13:07

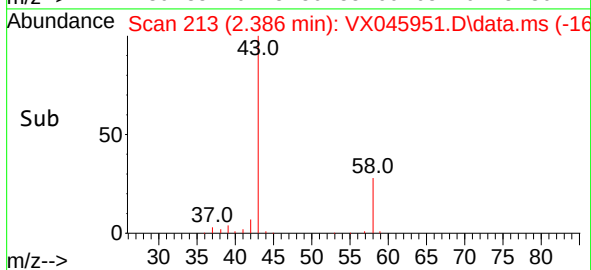
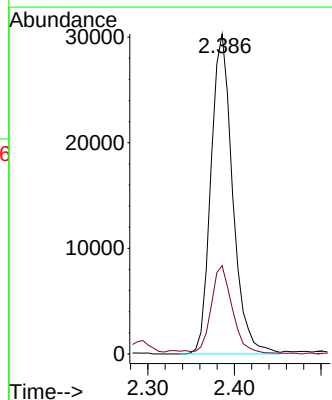
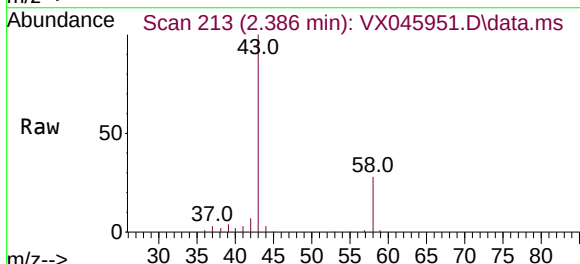
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-A

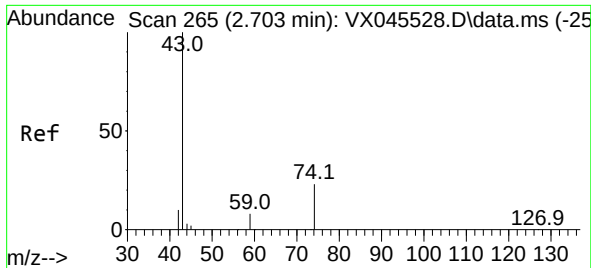
Tgt Ion: 41 Resp: 368
 Ion Ratio Lower Upper
 41 100
 39 29.3 60.2 90.2#
 76 0.0 24.6 36.8#



#16
 Acetone
 Concen: 110.717 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.000 min
 Lab File: VX045951.D
 Acq: 28 Apr 2025 13:07

Tgt Ion: 43 Resp: 52787
 Ion Ratio Lower Upper
 43 100
 58 27.3 22.3 33.5

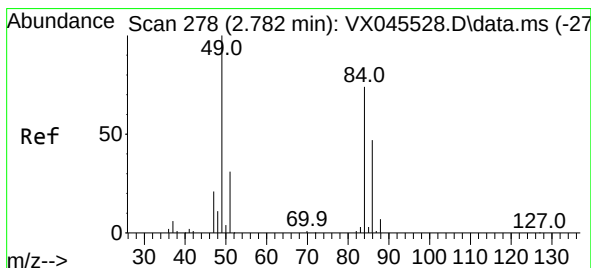
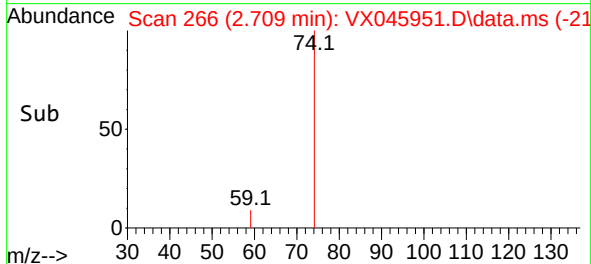
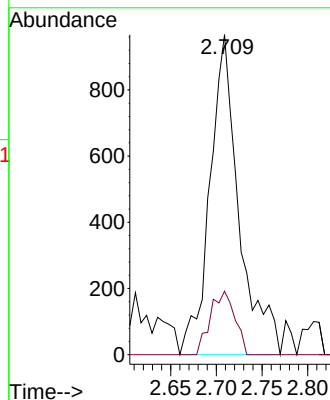
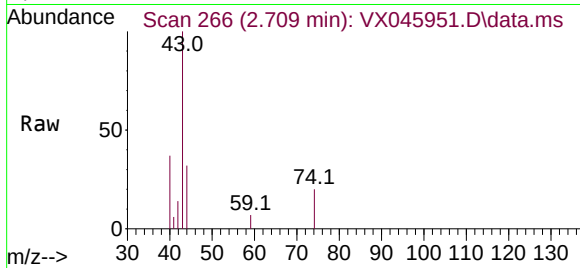




#18
Methyl Acetate
Concen: 1.954 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

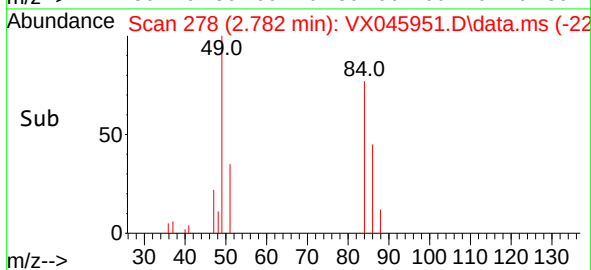
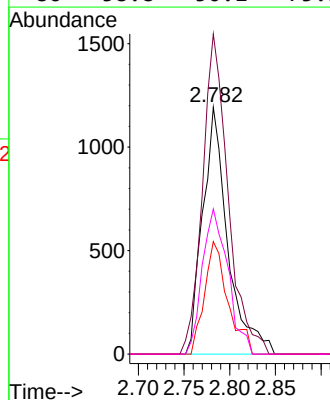
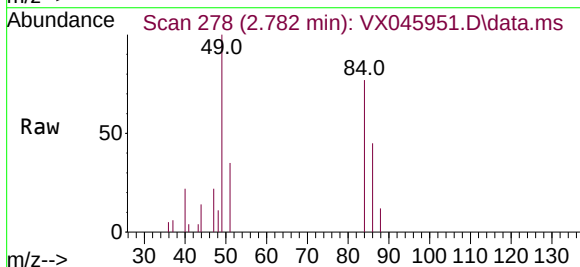
Instrument :
MSVOA_X
ClientSampleId :
MH-A

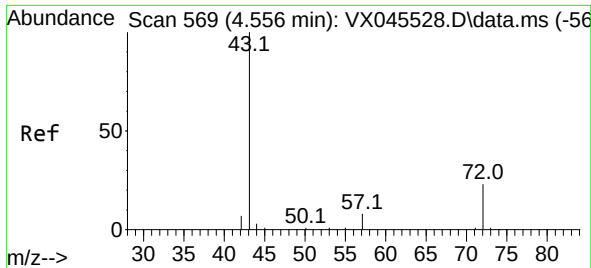
Tgt Ion: 43 Resp: 2145
Ion Ratio Lower Upper
43 100
74 16.7 17.5 26.3#



#20
Methylene Chloride
Concen: 2.554 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

Tgt Ion: 84 Resp: 2280
Ion Ratio Lower Upper
84 100
49 129.7 107.5 161.3
51 45.5 33.0 49.6
86 58.8 50.1 75.1

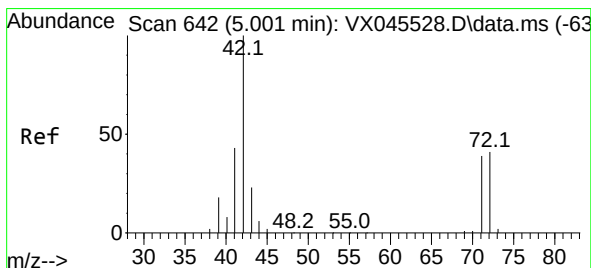
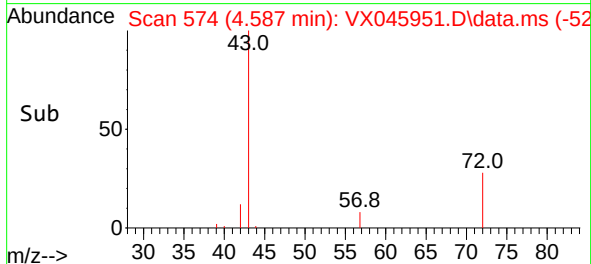
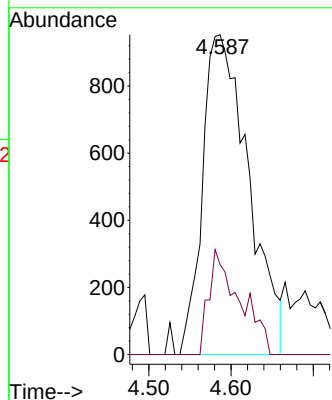
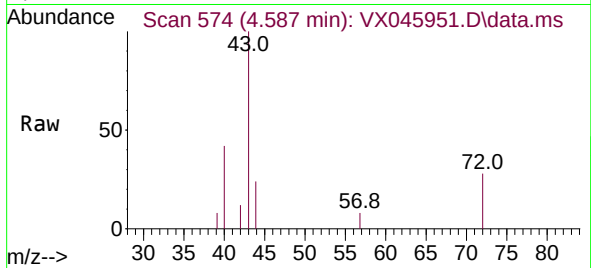




#25
2-Butanone
Concen: 5.306 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

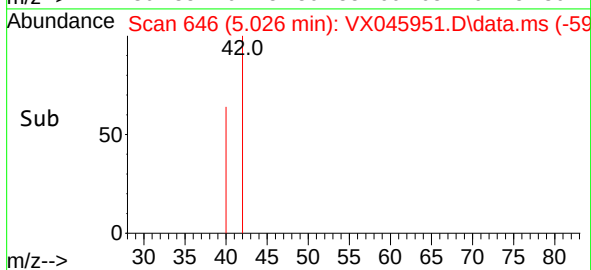
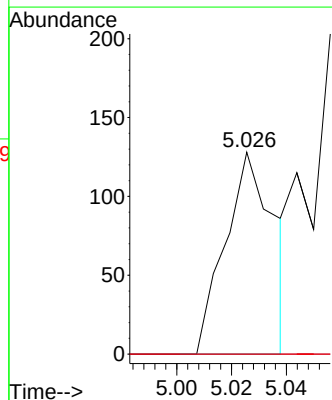
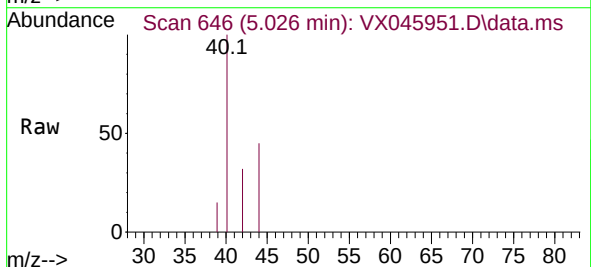
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MSVOA_X
ClientSampleId :
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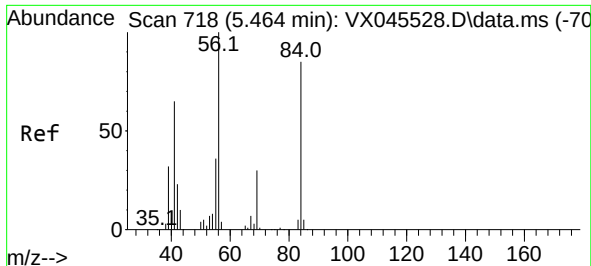
Tgt Ion: 43 Resp: 3703
Ion Ratio Lower Upper
43 100
72 28.1 18.6 28.0#



#29
Tetrahydrofuran
Concen: 0.351 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.024 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

Tgt Ion: 42 Resp: 159
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#

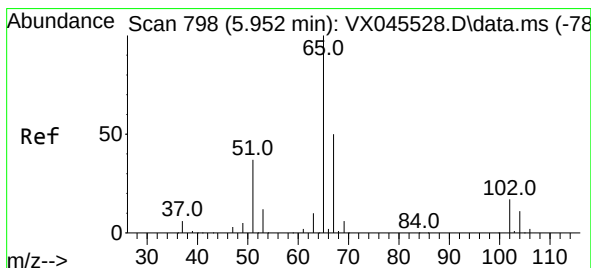
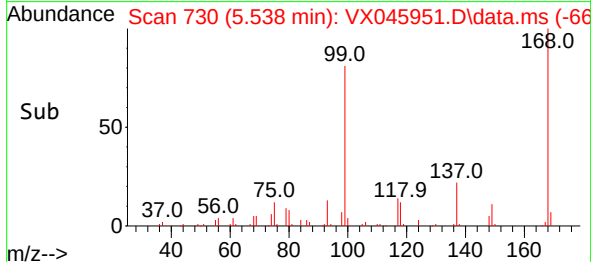
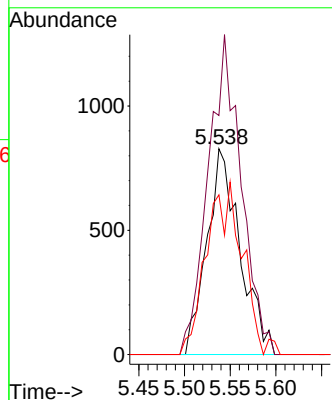
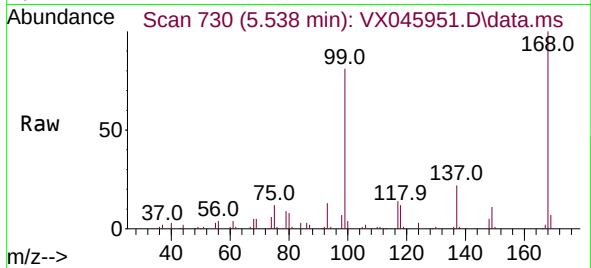




#31
Cyclohexane
Concen: 1.472 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

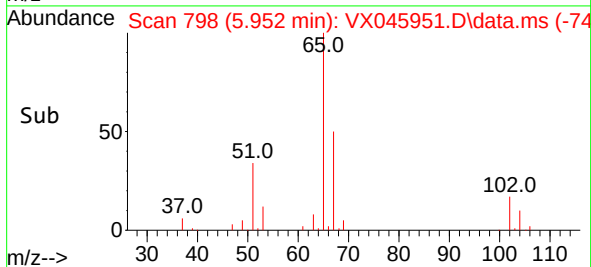
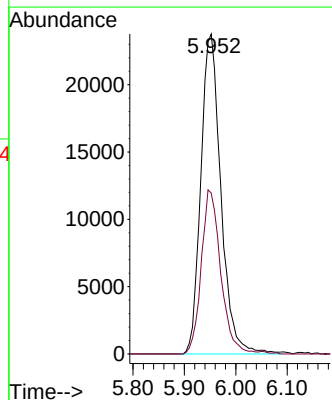
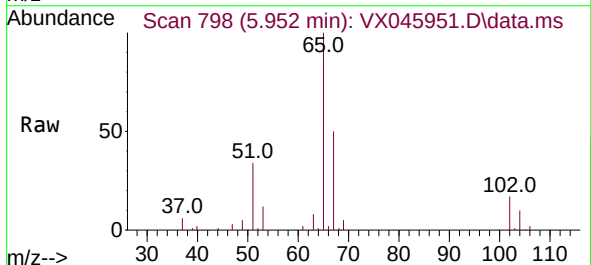
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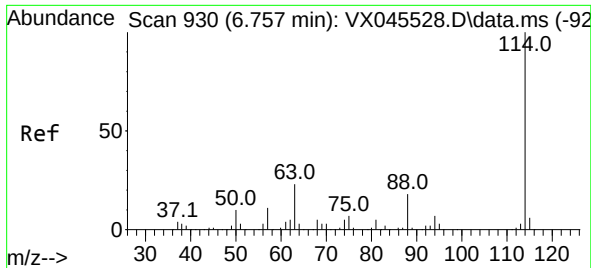
Tgt Ion: 56 Resp: 2096
Ion Ratio Lower Upper
56 100
69 116.2 23.6 35.4#
84 77.7 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 55.538 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

Tgt Ion: 65 Resp: 64484
Ion Ratio Lower Upper
65 100
67 49.6 0.0 99.0

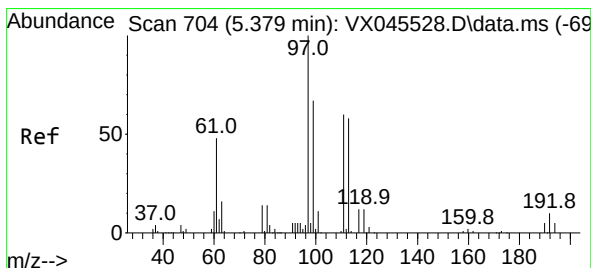
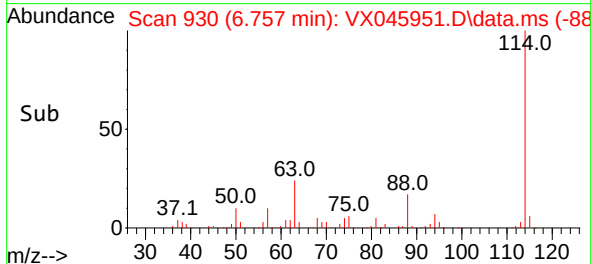
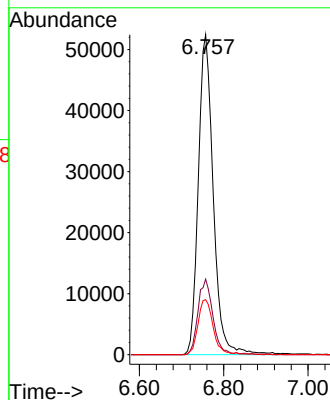
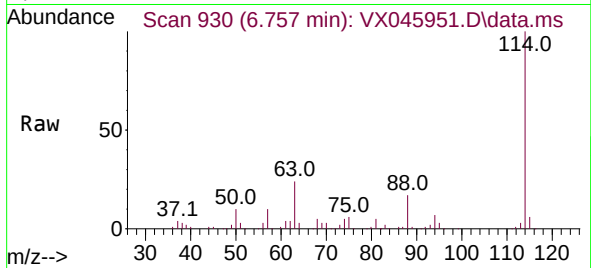




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 914
Delta R.T. 0.000 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

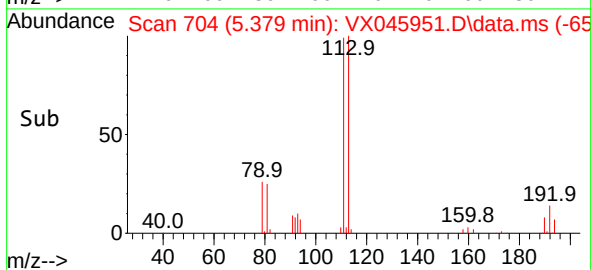
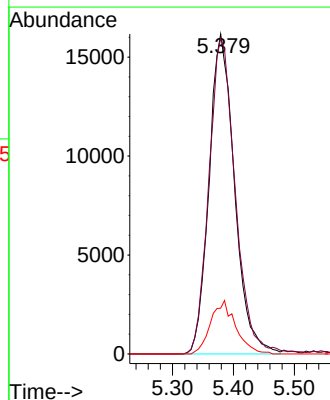
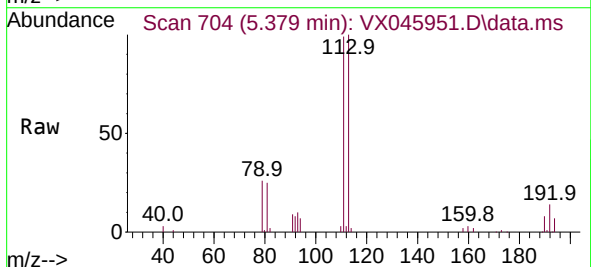
Instrument :
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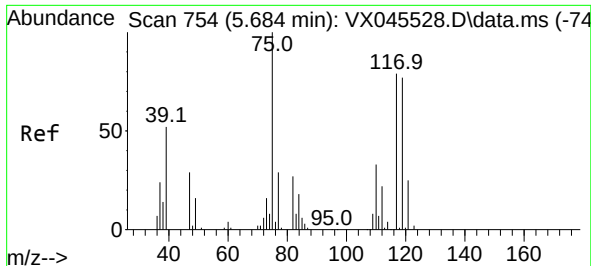
Tgt Ion:114 Resp: 129354
Ion Ratio Lower Upper
114 100
63 23.6 0.0 46.8
88 17.2 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.172 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

Tgt Ion:113 Resp: 46964
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.6
192 16.5 13.8 20.6

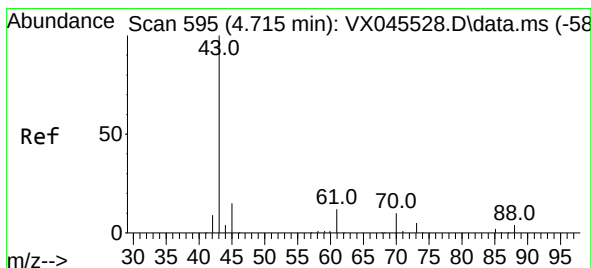
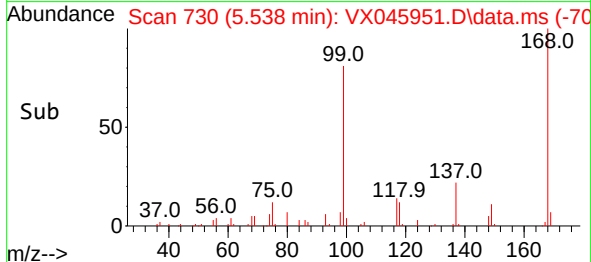
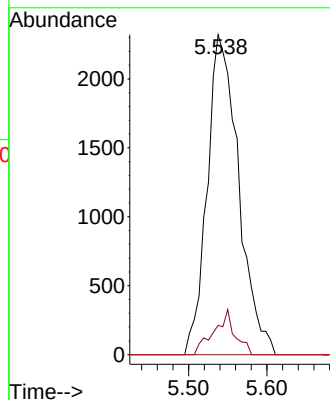
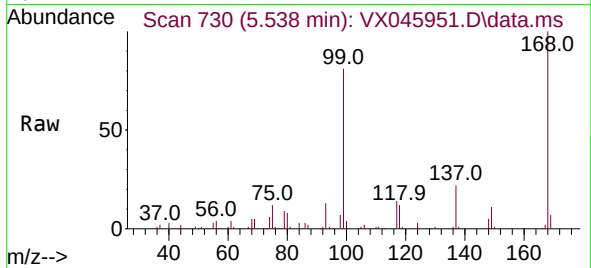




#36
1,1-Dichloropropene
Concen: 5.220 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

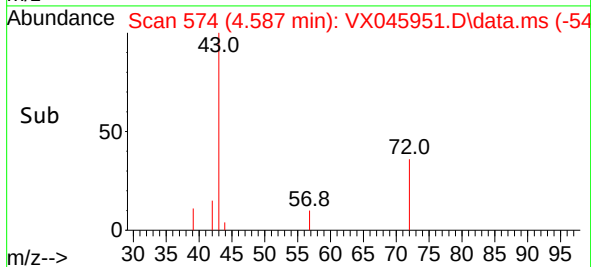
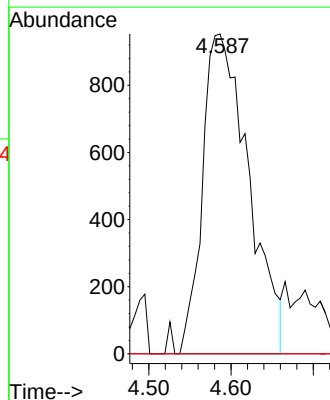
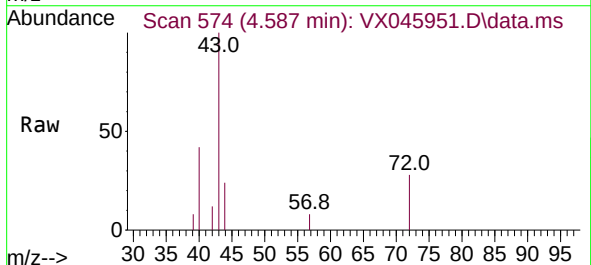
Instrument :
MSVOA_X
ClientSampleId :
MH-A

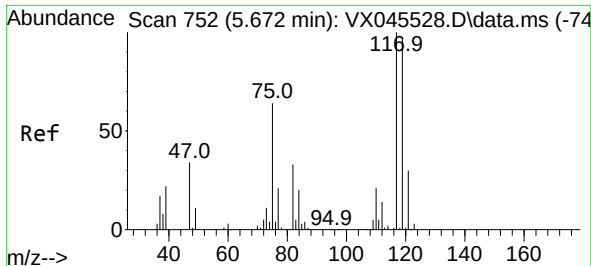
Tgt Ion: 75 Resp: 6469
Ion Ratio Lower Upper
75 100
110 9.4 16.9 50.6#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 2.371 ug/l
RT: 4.587 min Scan# 574
Delta R.T. -0.128 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

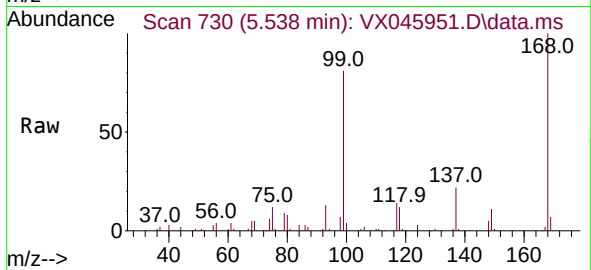
Tgt Ion: 43 Resp: 3703
Ion Ratio Lower Upper
43 100
61 0.0 9.9 14.9#
70 0.0 7.5 11.3#



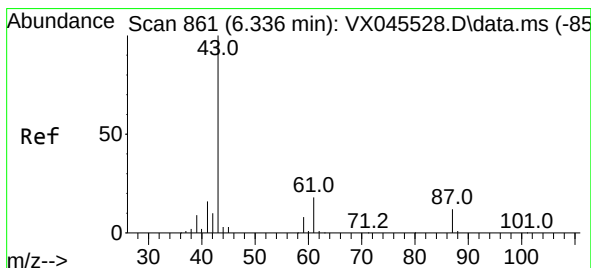
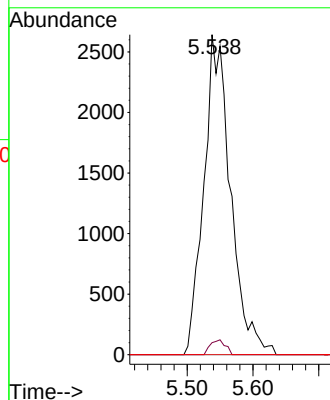
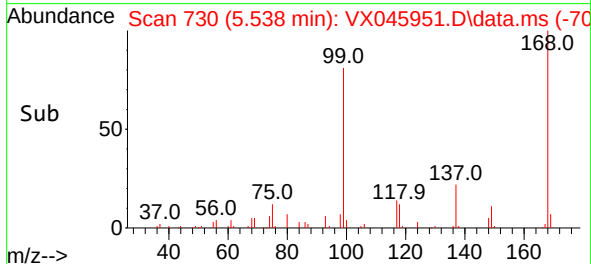


#38
Carbon Tetrachloride
Concen: 5.582 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

Instrument :
MSVOA_X
ClientSampleId :
MH-A

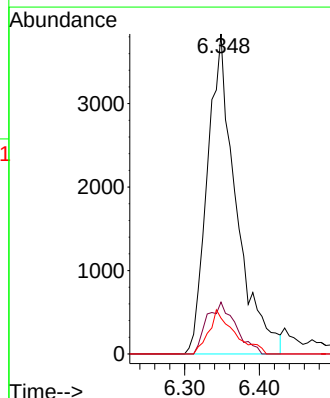
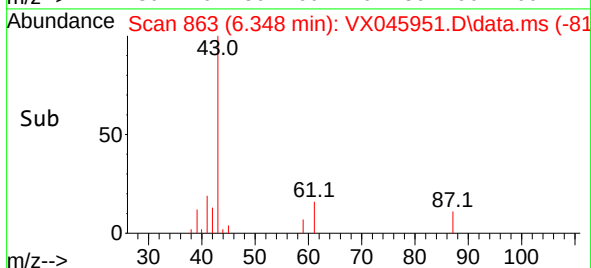
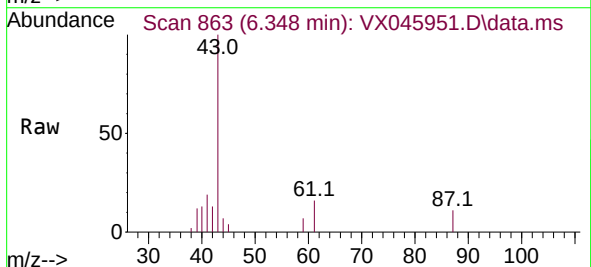


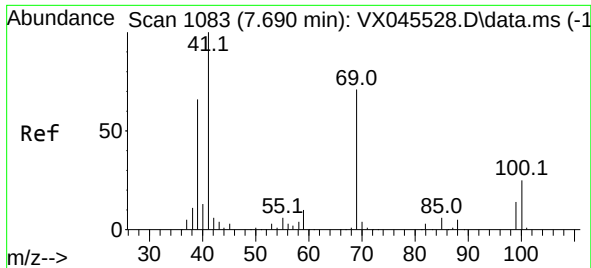
Tgt Ion:117 Resp: 7475
Ion Ratio Lower Upper
117 100
119 3.7 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.320 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

Tgt Ion: 43 Resp: 10224
Ion Ratio Lower Upper
43 100
61 16.2 14.1 21.1
87 12.2 9.2 13.8

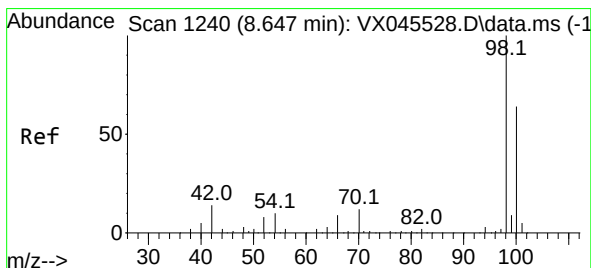
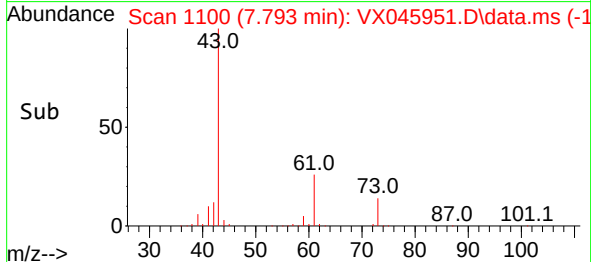
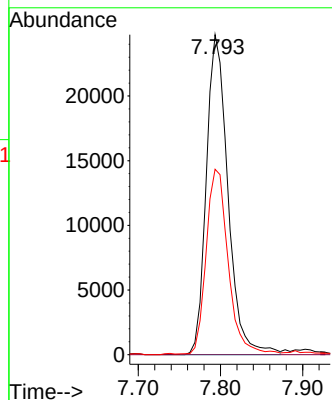
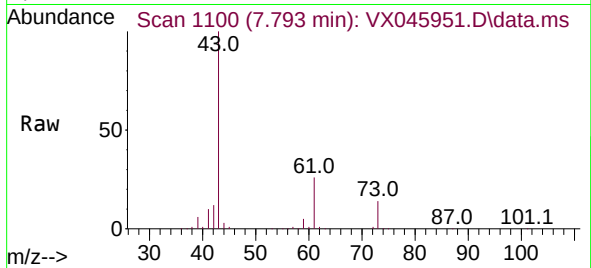




#48
Methyl methacrylate
Concen: 36.991 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

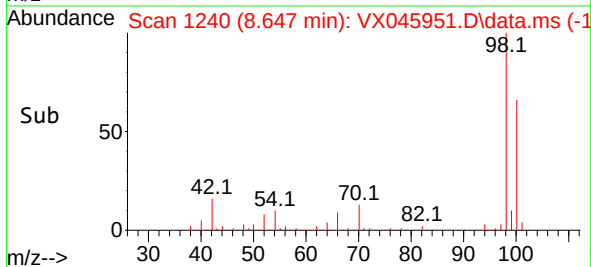
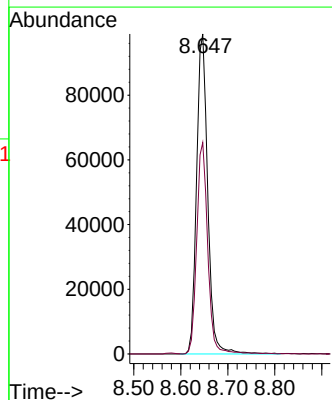
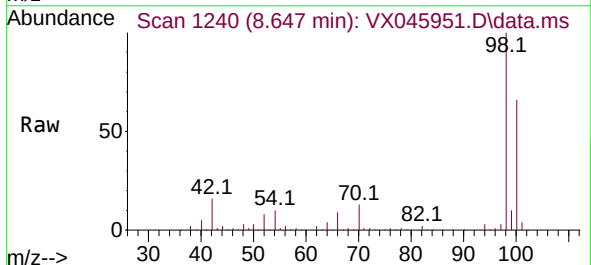
Instrument :
MSVOA_X
ClientSampleId :
MH-A

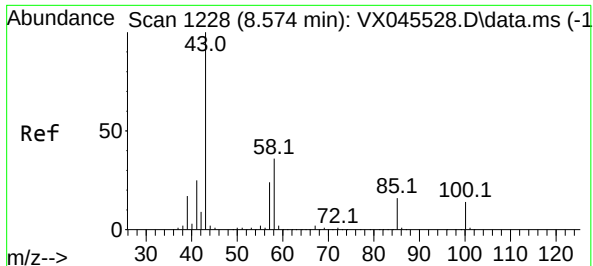
Tgt Ion: 41 Resp: 45204
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.4 53.6 80.4



#50
Toluene-d8
Concen: 51.115 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

Tgt Ion: 98 Resp: 163740
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4

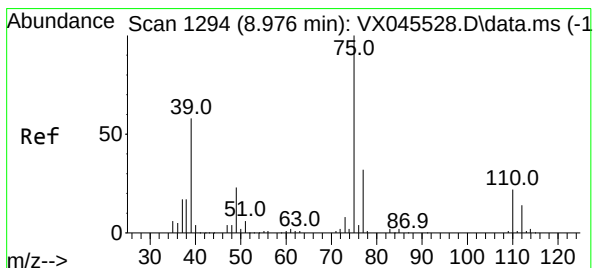
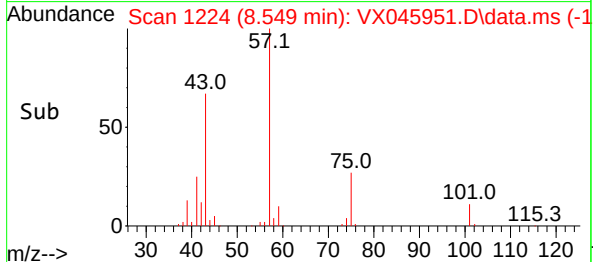
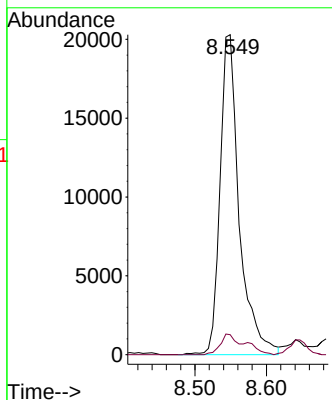
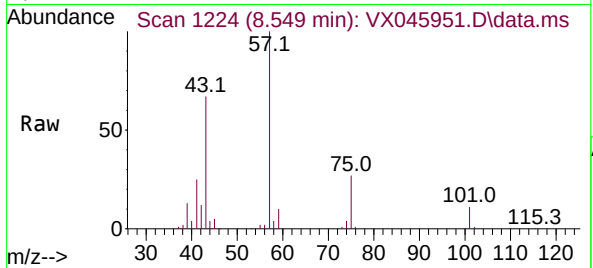




#51
4-Methyl-2-Pentanone
Concen: 24.126 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

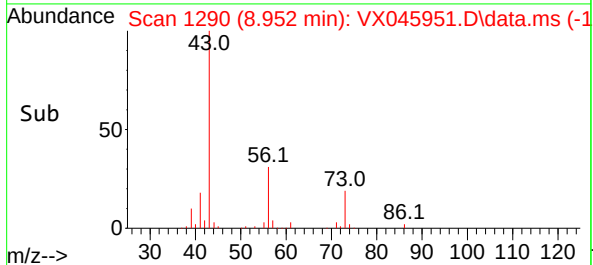
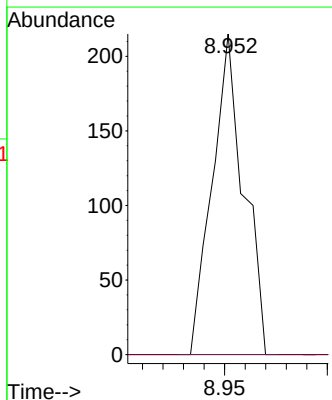
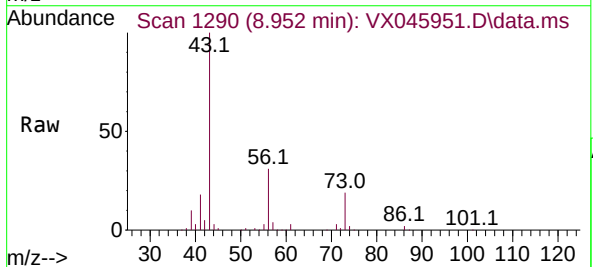
Instrument :
MSVOA_X
ClientSampleId :
MH-A

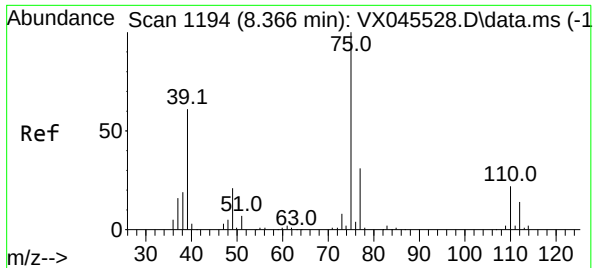
Tgt Ion: 43 Resp: 37854
Ion Ratio Lower Upper
43 100
58 8.2 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.446 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

Tgt Ion: 75 Resp: 229
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

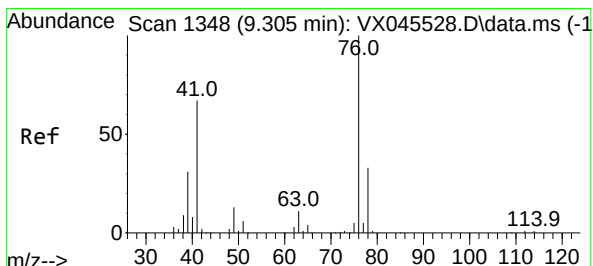
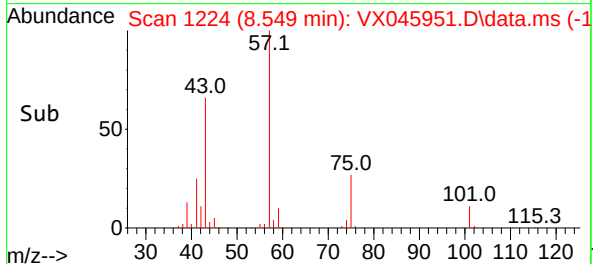
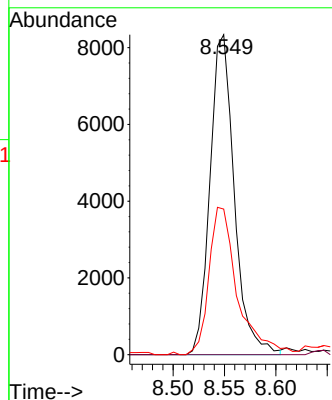
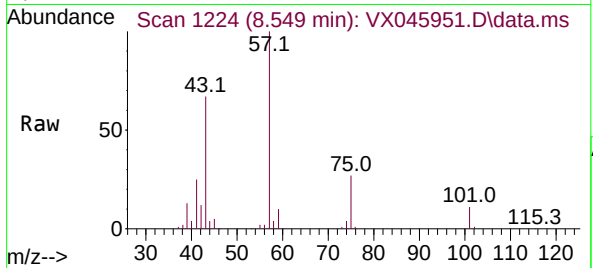




#54
 cis-1,3-Dichloropropene
 Concen: 10.092 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045951.D
 Acq: 28 Apr 2025 13:07

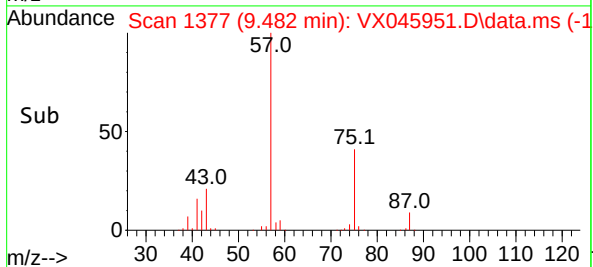
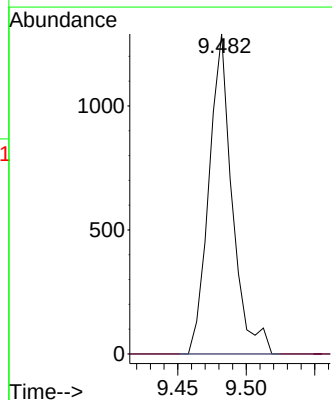
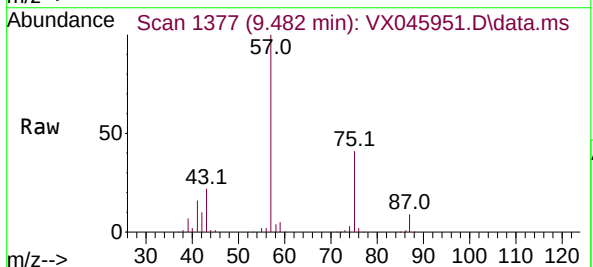
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-A

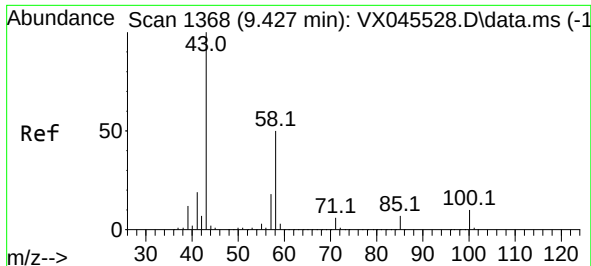
Tgt Ion: 75 Resp: 13729
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 45.5 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.956 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045951.D
 Acq: 28 Apr 2025 13:07

Tgt Ion: 76 Resp: 1519
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

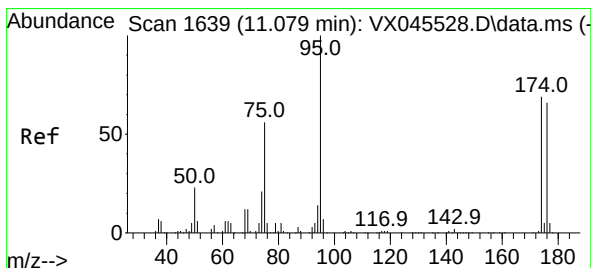
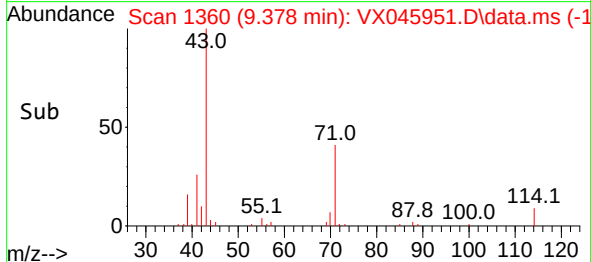
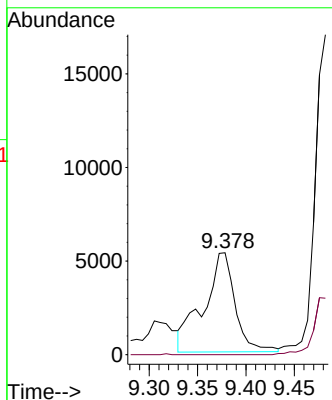
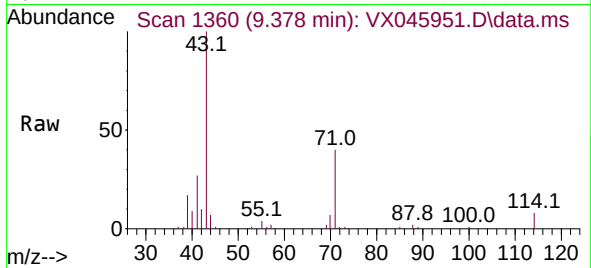




#59
2-Hexanone
Concen: 10.352 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

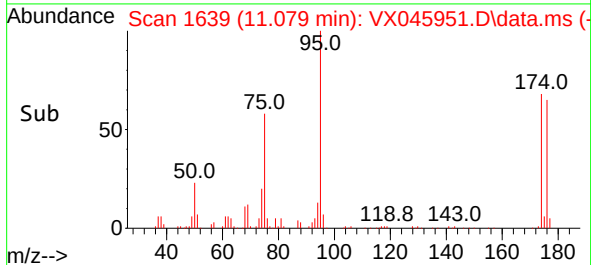
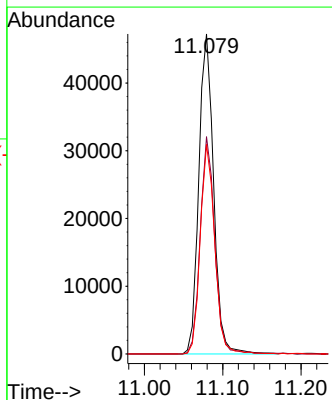
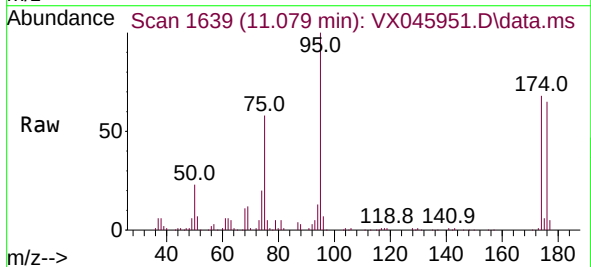
Instrument :
MSVOA_X
ClientSampleId :
MH-A

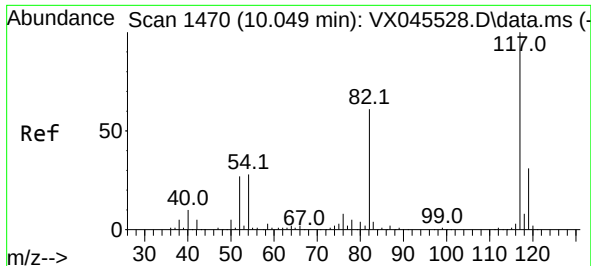
Tgt Ion: 43 Resp: 12028
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.182 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

Tgt Ion: 95 Resp: 62054
Ion Ratio Lower Upper
95 100
174 66.3 0.0 135.8
176 64.1 0.0 131.4

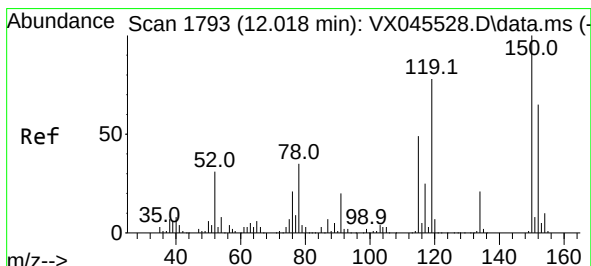
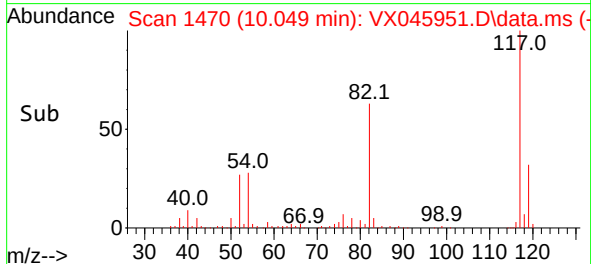
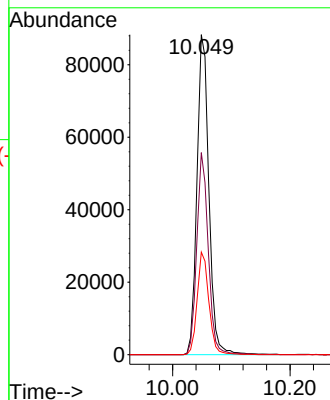
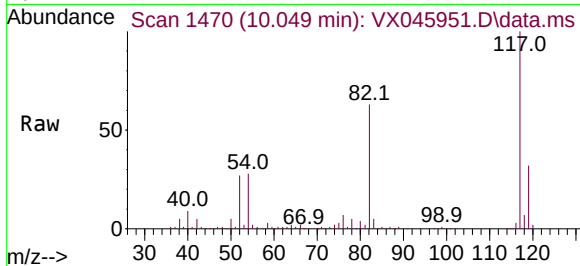




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

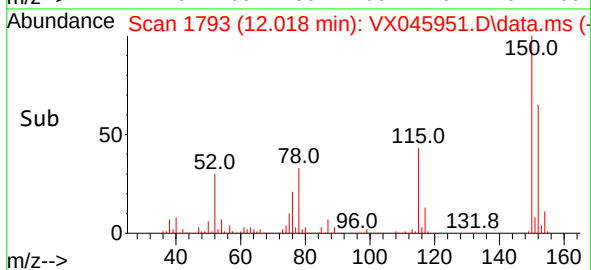
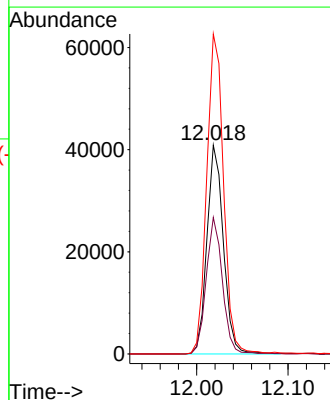
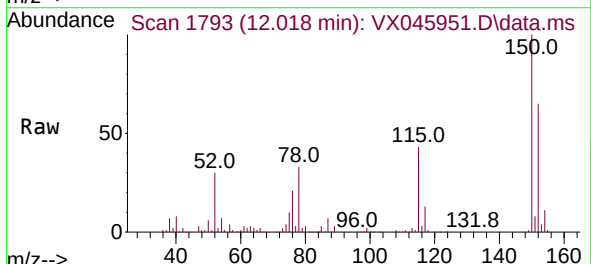
Instrument :
MSVOA_X
ClientSampleId :
MH-A

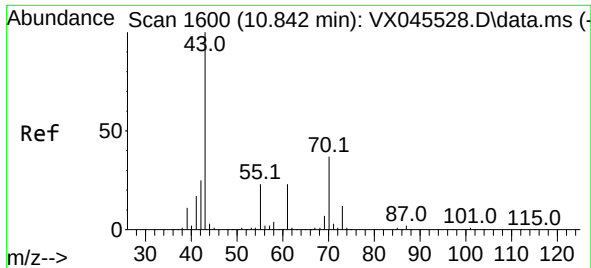
Tgt Ion:117 Resp: 124274
Ion Ratio Lower Upper
117 100
82 63.1 49.2 73.8
119 32.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

Tgt Ion:152 Resp: 51078
Ion Ratio Lower Upper
152 100
115 64.4 46.9 140.7
150 156.1 0.0 349.4

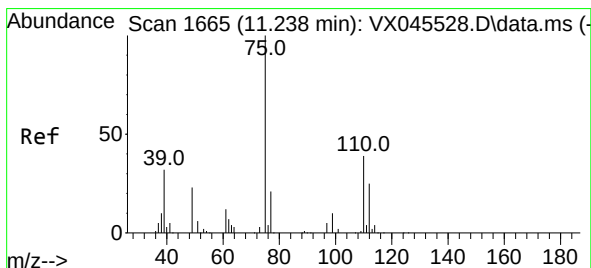
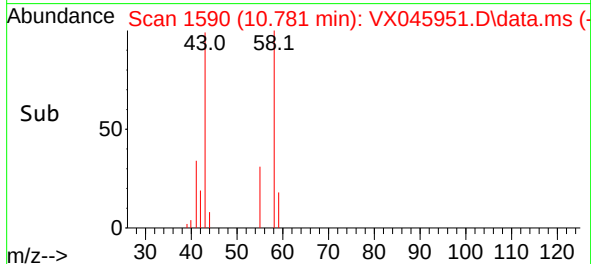
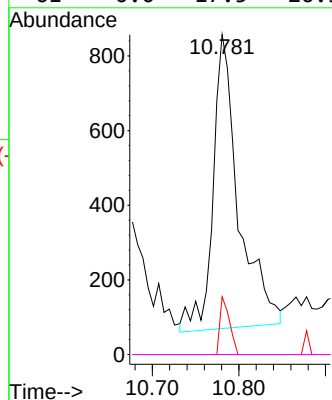
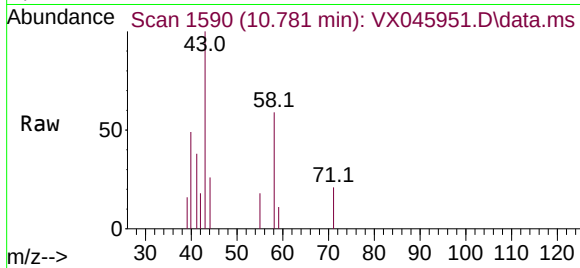




#74
N-amy1 acetate
Concen: 0.826 ug/l
RT: 10.781 min Scan# 1617
Delta R.T. -0.061 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

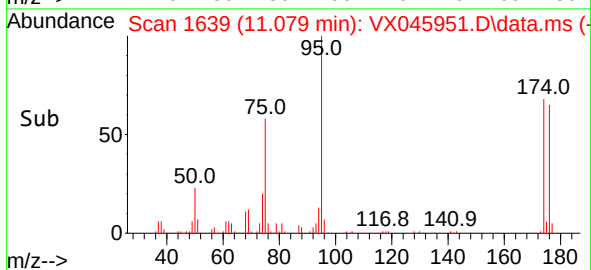
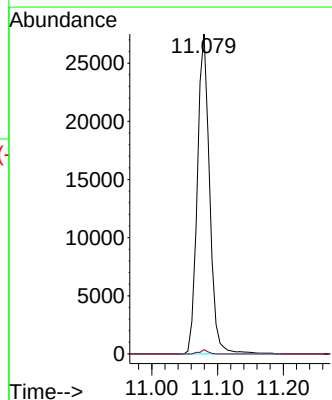
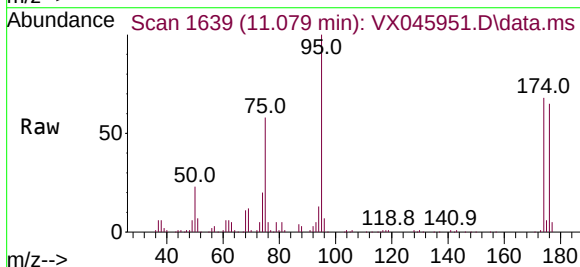
Instrument :
MSVOA_X
ClientSampleId :
MH-A

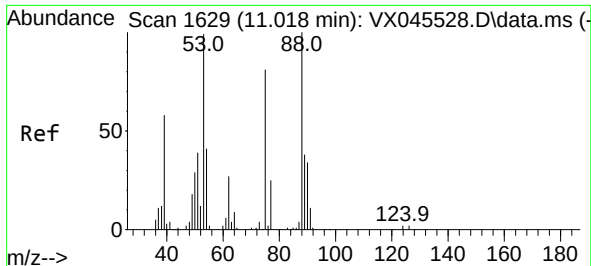
Tgt Ion: 43	Resp: 1617
Ion Ratio	Lower Upper
43 100	
70 0.0	30.1 45.1#
55 7.2	18.3 27.5#
61 0.0	17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 28.591 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

Tgt Ion: 75	Resp: 35622
Ion Ratio	Lower Upper
75 100	
77 0.9	20.0 59.9#

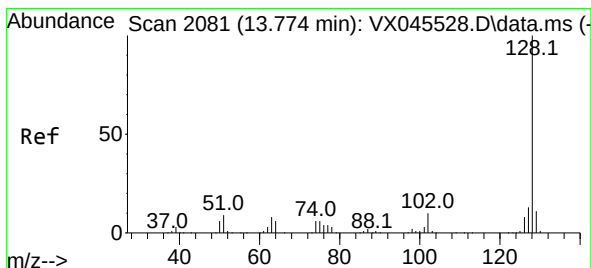
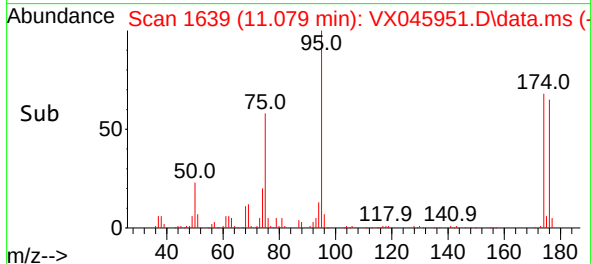
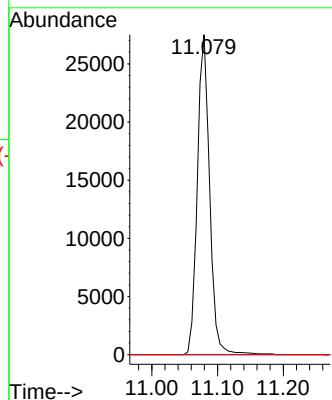
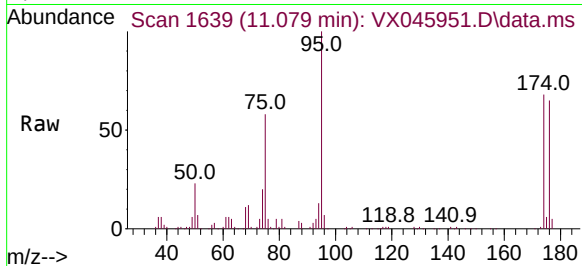




#81
trans-1,4-Dichloro-2-butene
Concen: 97.035 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

Instrument :
MSVOA_X
ClientSampleId :
MH-A

Tgt Ion: 75 Resp: 35622
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.324 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045951.D
Acq: 28 Apr 2025 13:07

Tgt Ion:128 Resp: 1149
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 5.0 8.6 12.8#

