

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050825\
 Data File : VX046089.D
 Acq On : 08 May 2025 14:29
 Operator : JC/MD
 Sample : Q1968-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-M

Quant Time: May 09 01:57:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

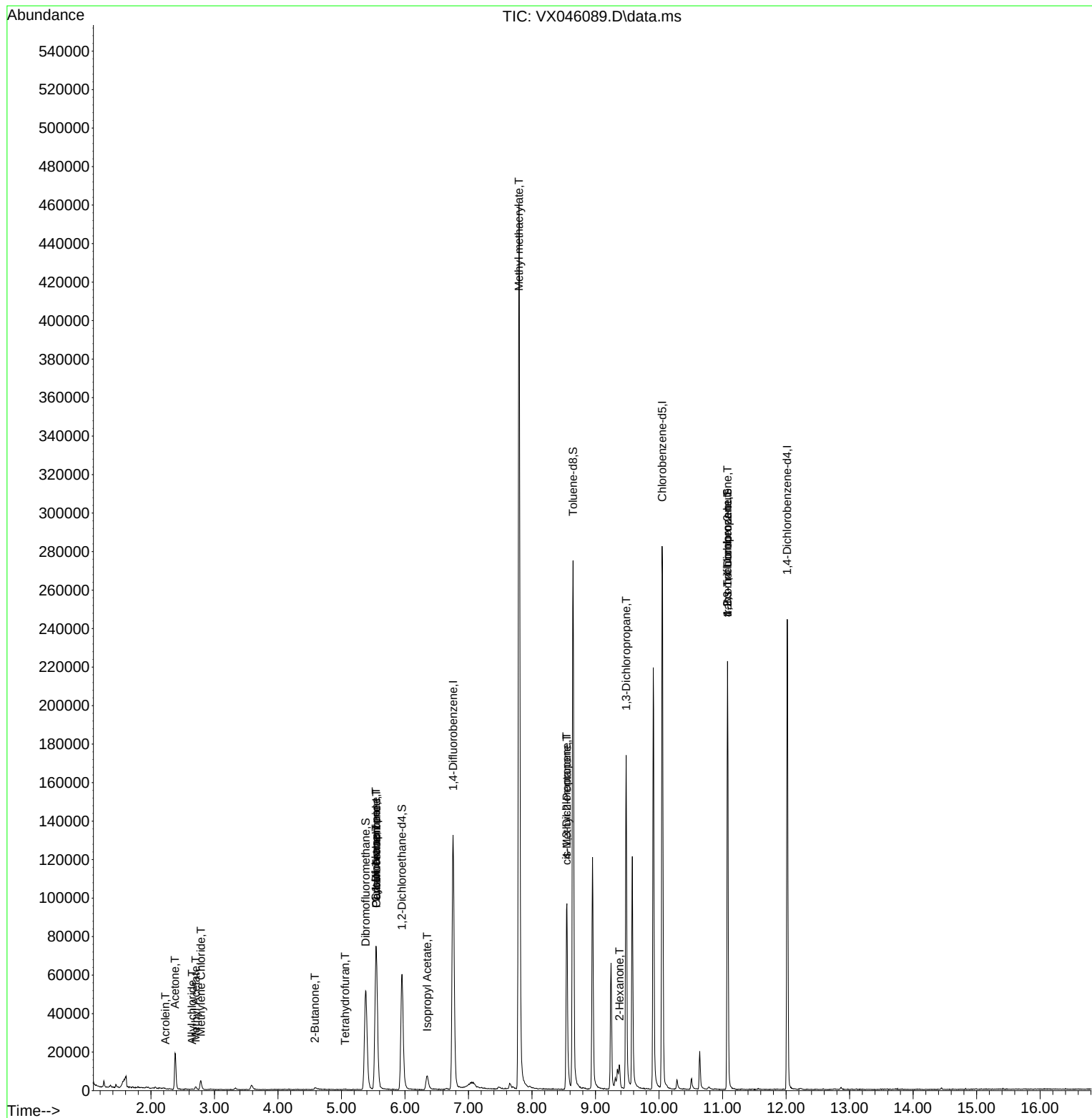
Internal Standards						
1) Pentafluorobenzene	5.550	168	63178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125056	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	115021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	44983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62217	52.823	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.640%	
35) Dibromofluoromethane	5.379	113	45732	50.783	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.560%	
50) Toluene-d8	8.647	98	157048	50.386	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.780%	
62) 4-Bromofluorobenzene	11.079	95	59368	49.656	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.320%	
Target Compounds						
					Qvalue	
13) Acrolein	2.227	56	46	0.244	ug/l #	15
14) Allyl chloride	2.648	41	321	0.224	ug/l #	21
16) Acetone	2.380	43	20542	43.497	ug/l	95
18) Methyl Acetate	2.703	43	1831	1.671	ug/l	93
20) Methylene Chloride	2.788	84	2170	2.398	ug/l #	85
25) 2-Butanone	4.580	43	2576	3.757	ug/l #	67
29) Tetrahydrofuran	5.056	42	285	0.663	ug/l #	35
31) Cyclohexane	5.544	56	1955	1.393	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	6127	5.064	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7372	5.423	ug/l #	16
43) Isopropyl Acetate	6.348	43	11452	5.022	ug/l	96
48) Methyl methacrylate	7.793	41	45465	39.036	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	39160	25.869	ug/l #	51
54) cis-1,3-Dichloropropene	8.543	75	14910	11.087	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	1378	0.895	ug/l #	42
59) 2-Hexanone	9.378	43	11947	10.667	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	33488	30.928	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33488	100.693	ug/l #	1

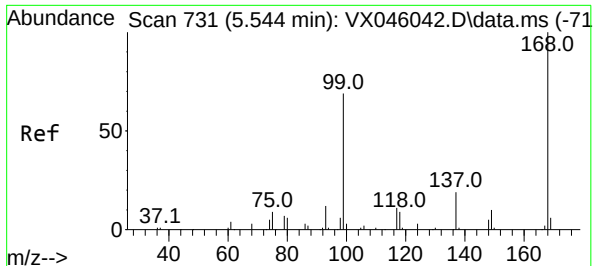
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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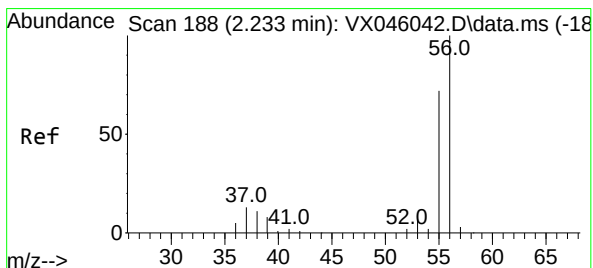
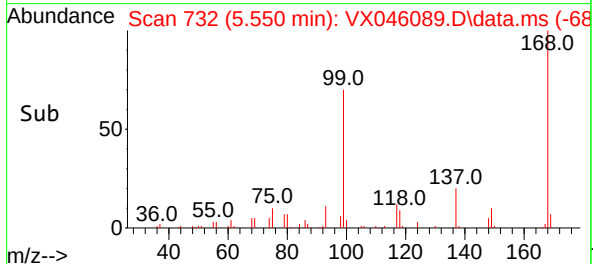
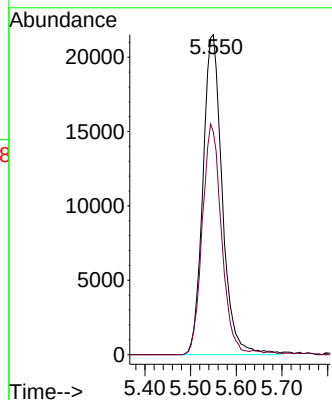
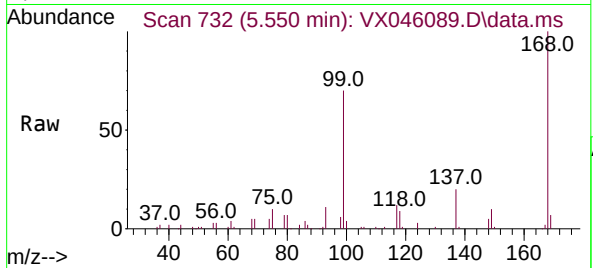




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

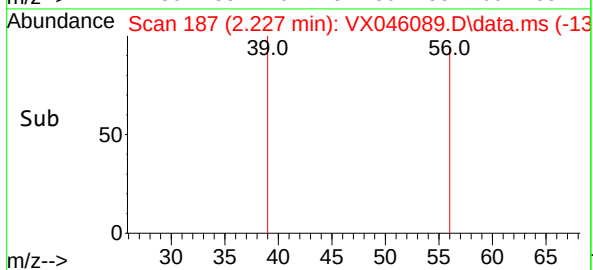
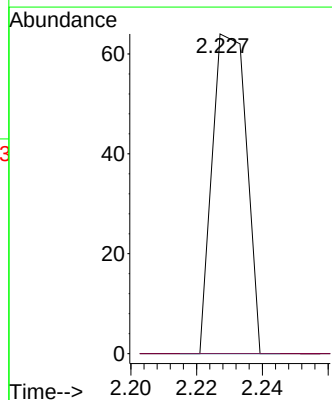
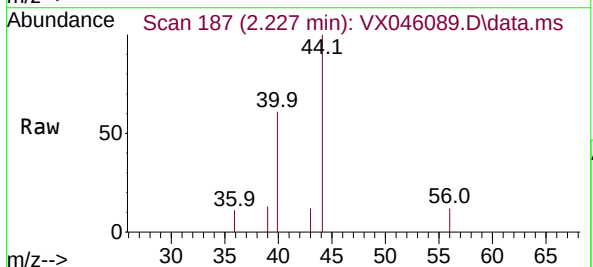
Instrument :
MSVOA_X
ClientSampleId :
MH-M

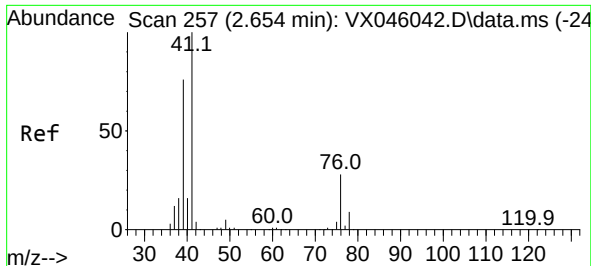
Tgt Ion:168 Resp: 63178
Ion Ratio Lower Upper
168 100
99 69.6 54.9 82.3



#13
Acrolein
Concen: 0.244 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#

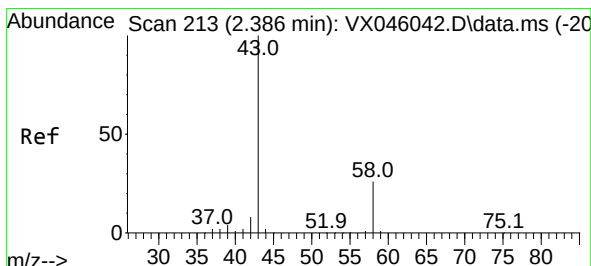
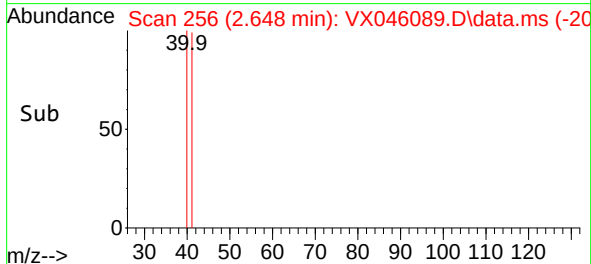
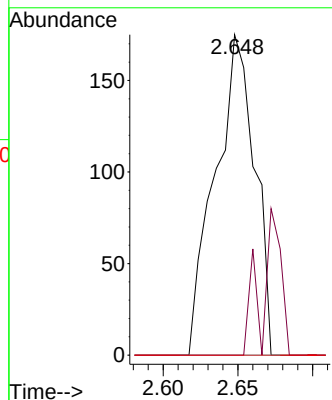
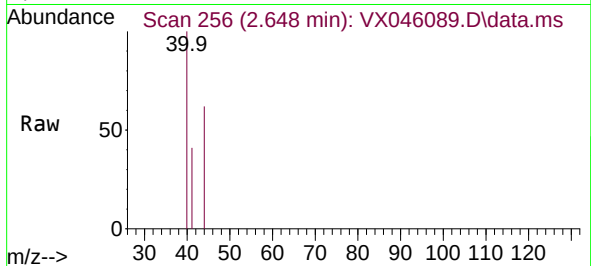




#14
 Allyl chloride
 Concen: 0.224 ug/l
 RT: 2.648 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX046089.D
 Acq: 08 May 2025 14:29

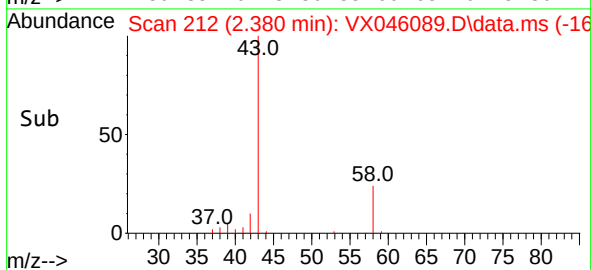
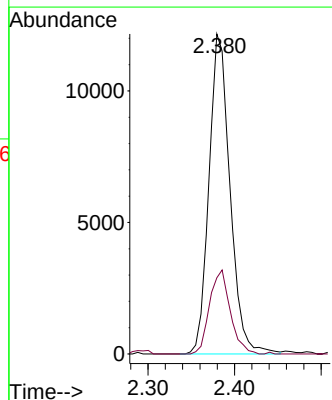
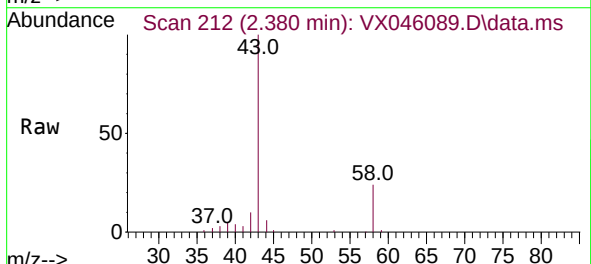
Instrument :
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 ClientSampleId :
 MH-M

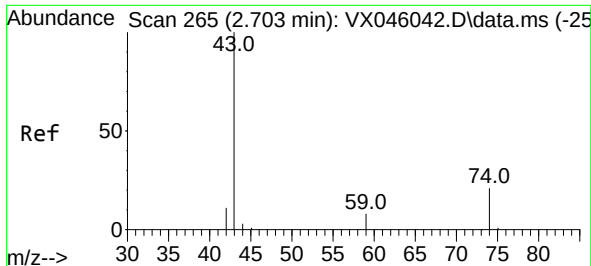
Tgt Ion: 41 Resp: 321
 Ion Ratio Lower Upper
 41 100
 39 0.0 60.6 90.8#
 76 0.0 24.9 37.3#



#16
 Acetone
 Concen: 43.497 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX046089.D
 Acq: 08 May 2025 14:29

Tgt Ion: 43 Resp: 20542
 Ion Ratio Lower Upper
 43 100
 58 23.8 21.2 31.8

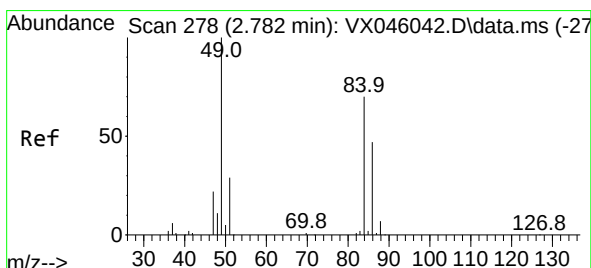
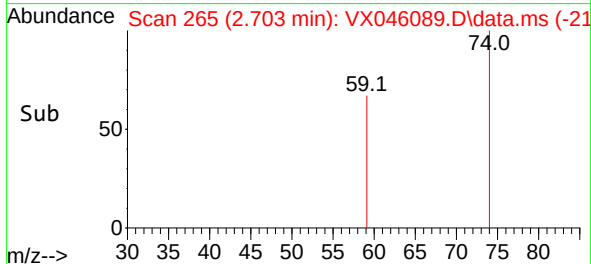
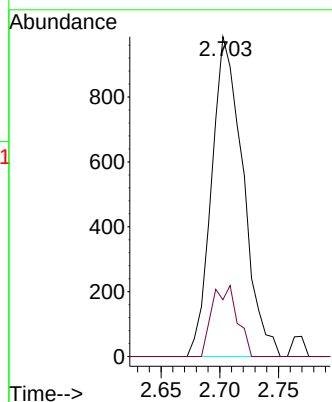
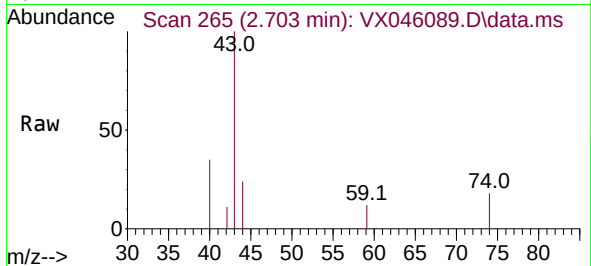




#18
Methyl Acetate
Concen: 1.671 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

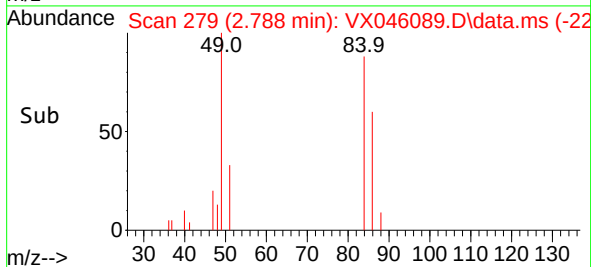
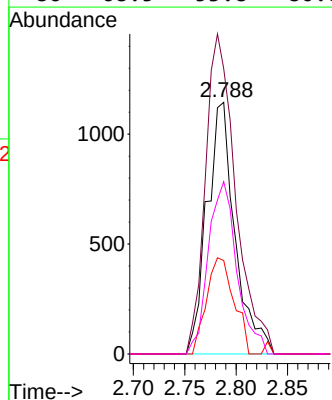
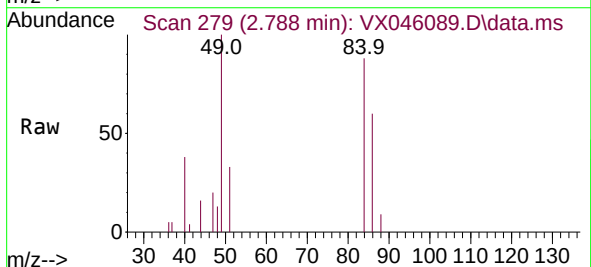
Instrument :
MSVOA_X
ClientSampleId :
MH-M

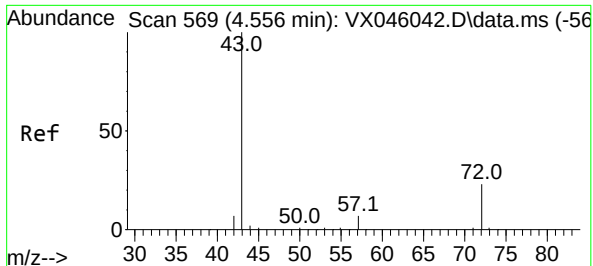
Tgt Ion: 43 Resp: 1831
Ion Ratio Lower Upper
43 100
74 17.8 16.7 25.1



#20
Methylene Chloride
Concen: 2.398 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

Tgt Ion: 84 Resp: 2170
Ion Ratio Lower Upper
84 100
49 113.4 113.9 170.9#
51 37.1 33.5 50.3
86 68.5 53.8 80.8





#25

2-Butanone

Concen: 3.757 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX046089.D

Acq: 08 May 2025 14:29

Instrument :

MSVOA_X

ClientSampleId :

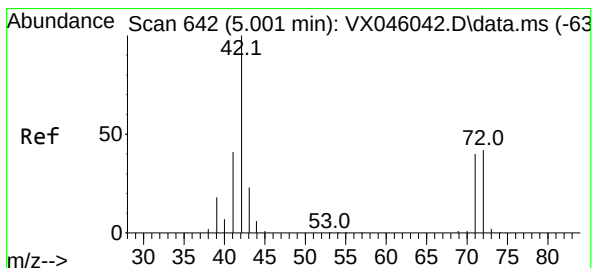
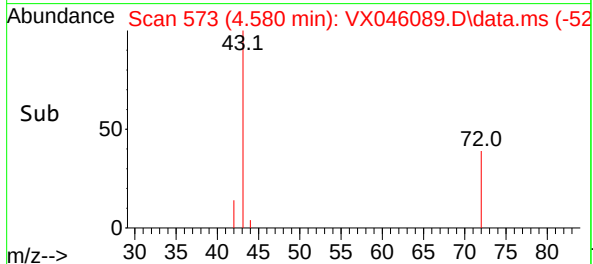
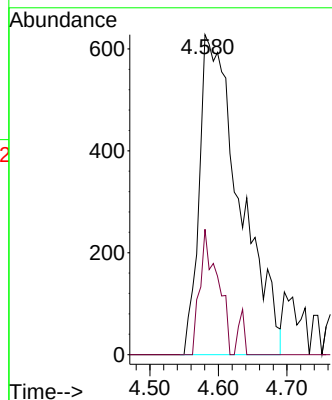
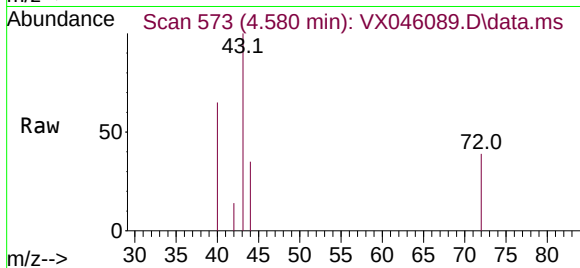
MH-M

Tgt Ion: 43 Resp: 2576

Ion Ratio Lower Upper

43 100

72 39.2 18.4 27.6#



#29

Tetrahydrofuran

Concen: 0.663 ug/l

RT: 5.056 min Scan# 651

Delta R.T. 0.055 min

Lab File: VX046089.D

Acq: 08 May 2025 14:29

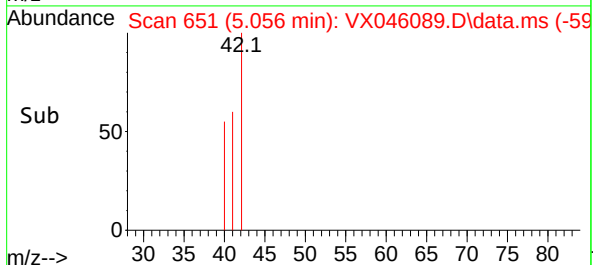
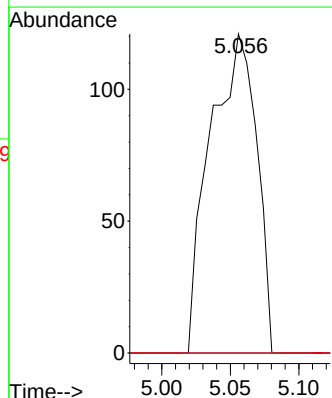
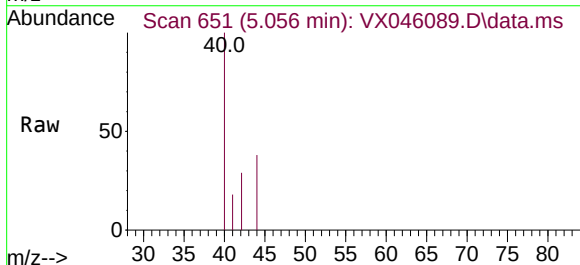
Tgt Ion: 42 Resp: 285

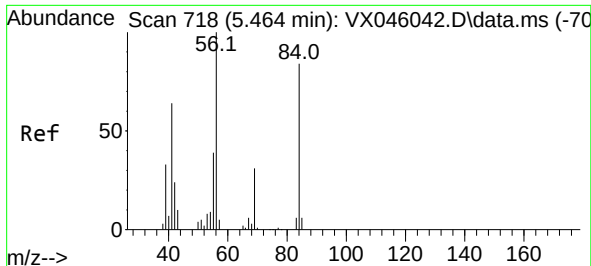
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.4 47.2#

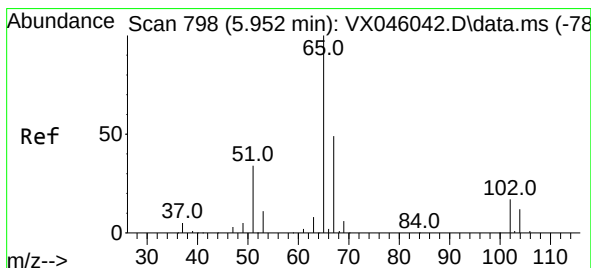
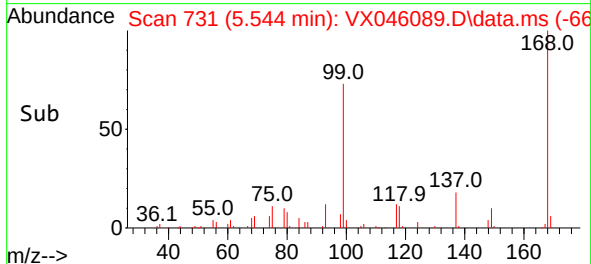
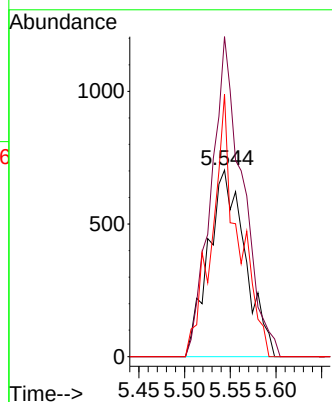
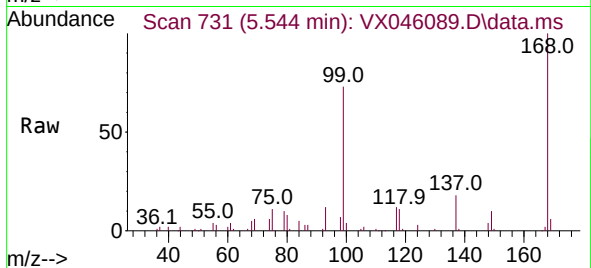




#31
Cyclohexane
Concen: 1.393 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

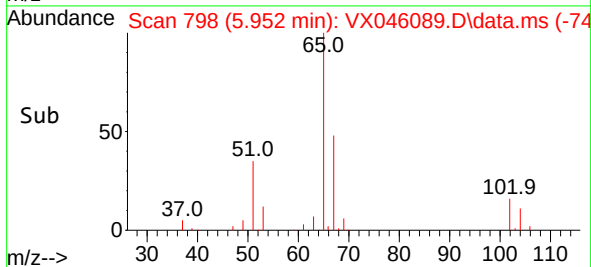
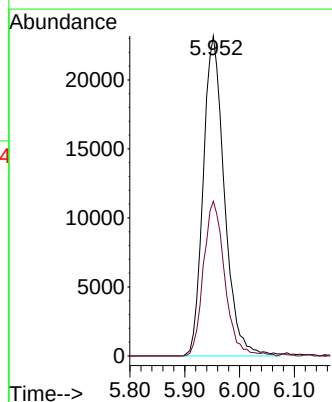
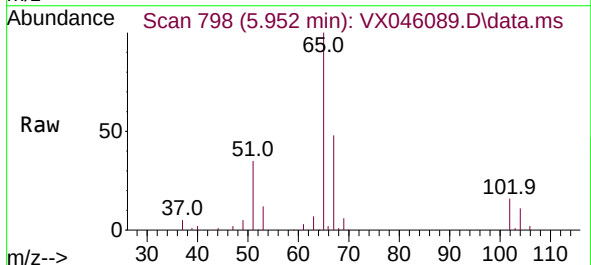
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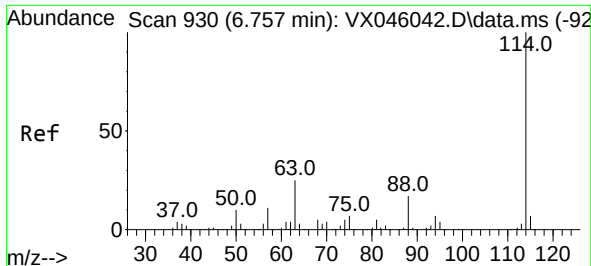
Tgt Ion: 56 Resp: 1955
Ion Ratio Lower Upper
56 100
69 171.6 24.4 36.6#
84 140.7 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 52.823 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

Tgt Ion: 65 Resp: 62217
Ion Ratio Lower Upper
65 100
67 48.6 0.0 99.0

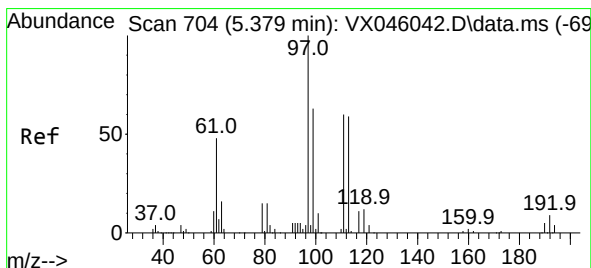
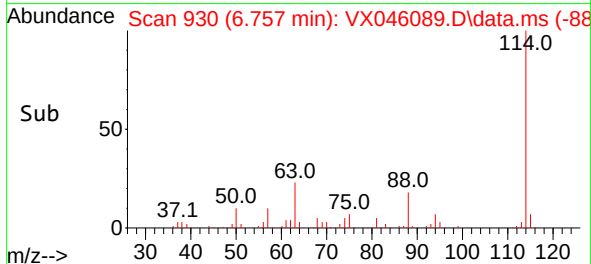
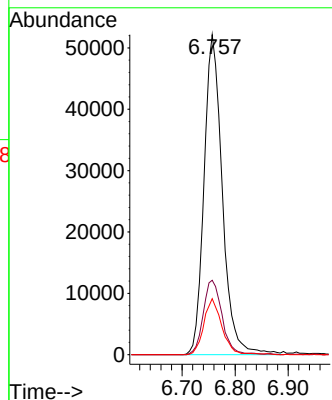
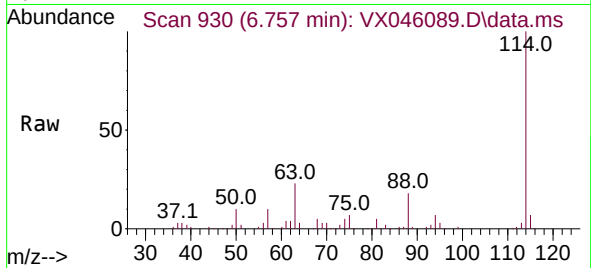




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

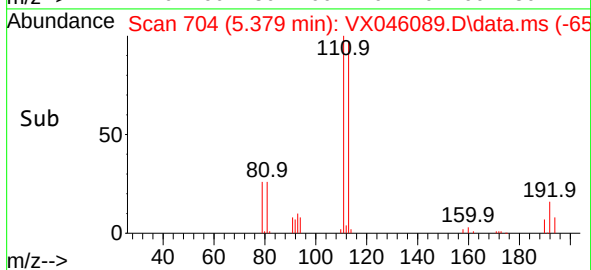
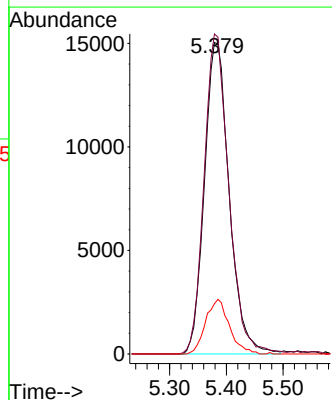
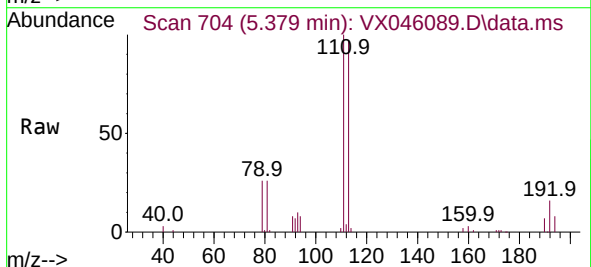
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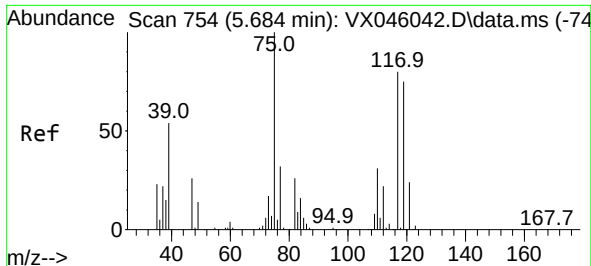
Tgt Ion:114 Resp: 125056
Ion Ratio Lower Upper
114 100
63 23.2 0.0 49.2
88 17.5 0.0 33.6



#35
Dibromofluoromethane
Concen: 50.783 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

Tgt Ion:113 Resp: 45732
Ion Ratio Lower Upper
113 100
111 102.3 83.1 124.7
192 16.7 13.3 19.9

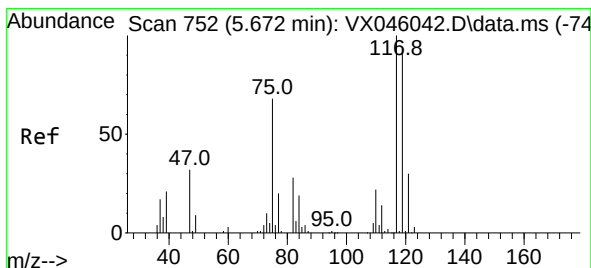
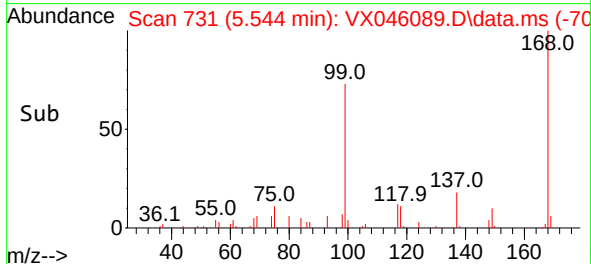
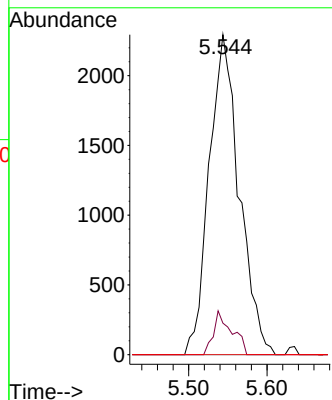
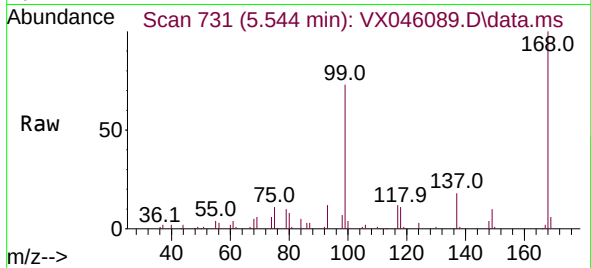




#36
1,1-Dichloropropene
Concen: 5.064 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

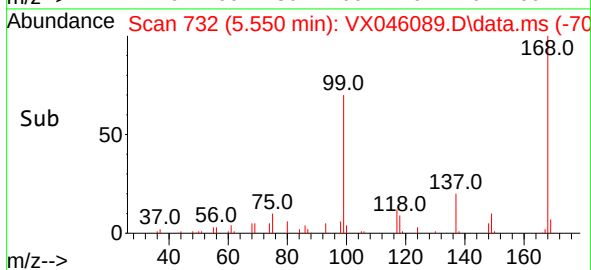
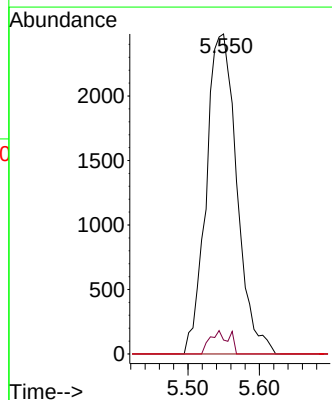
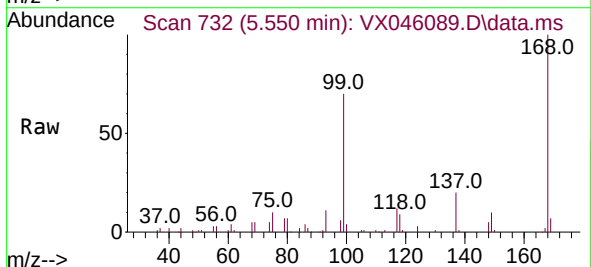
Instrument :
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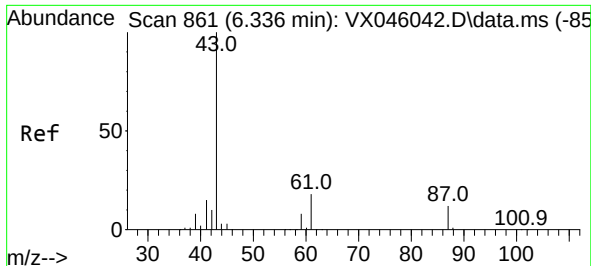
Tgt Ion: 75 Resp: 6127
Ion Ratio Lower Upper
75 100
110 8.3 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.423 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

Tgt Ion: 117 Resp: 7372
Ion Ratio Lower Upper
117 100
119 4.4 75.2 112.8#
121 0.0 24.2 36.4#

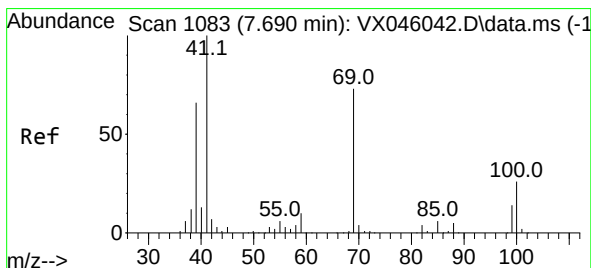
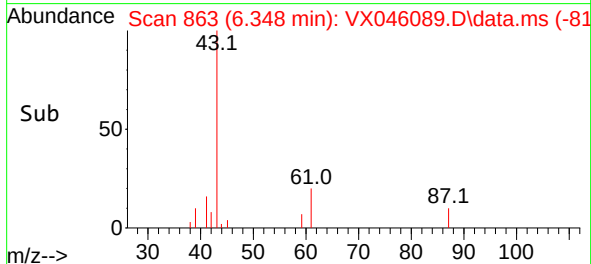
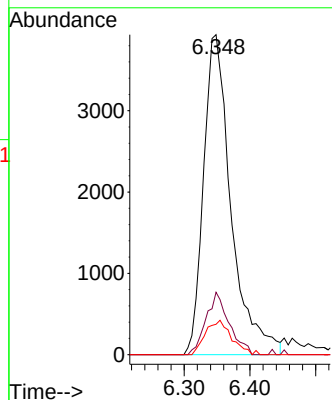
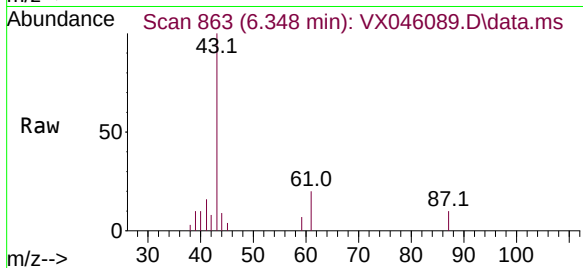




#43
Isopropyl Acetate
Concen: 5.022 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

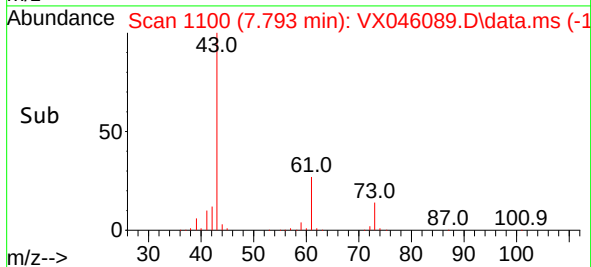
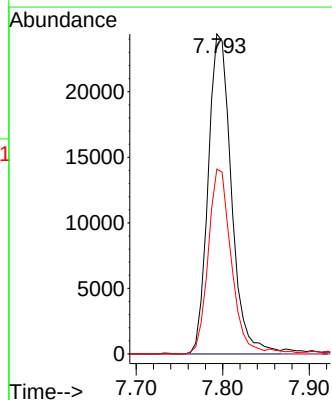
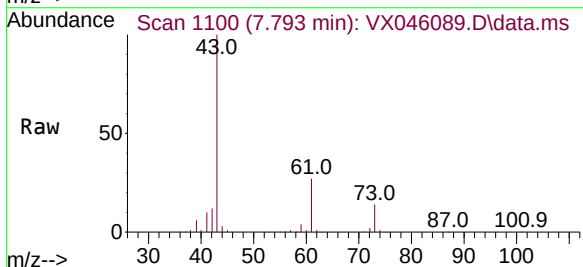
Instrument :
MSVOA_X
ClientSampleId :
MH-M

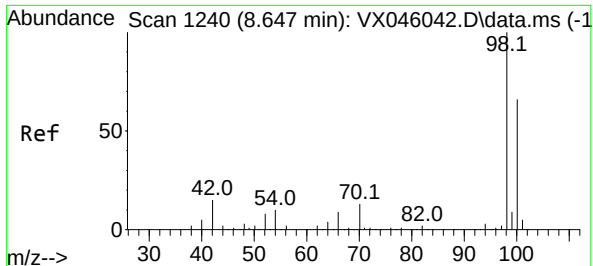
Tgt Ion: 43 Resp: 11452
Ion Ratio Lower Upper
43 100
61 16.4 14.3 21.5
87 10.3 9.5 14.3



#48
Methyl methacrylate
Concen: 39.036 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

Tgt Ion: 41 Resp: 45465
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 58.1 51.7 77.5

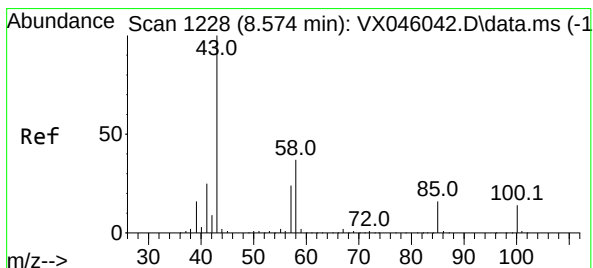
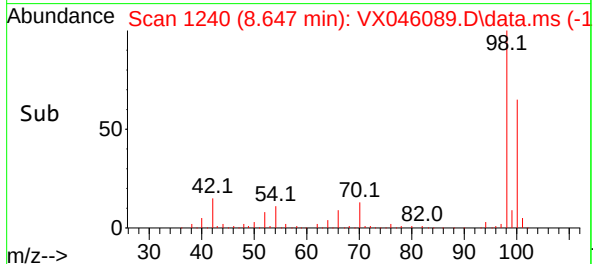
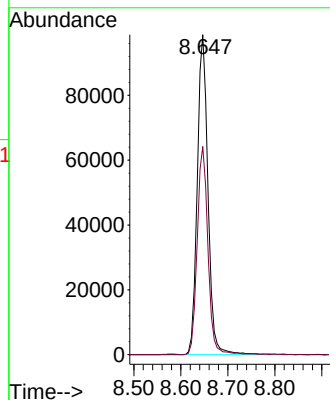
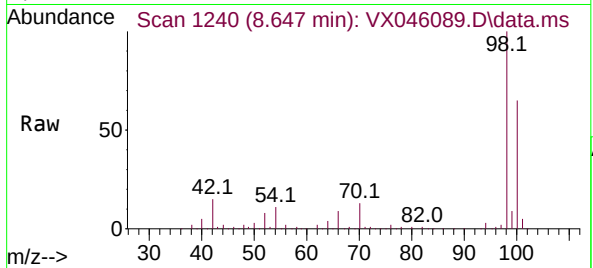




#50
Toluene-d8
Concen: 50.386 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

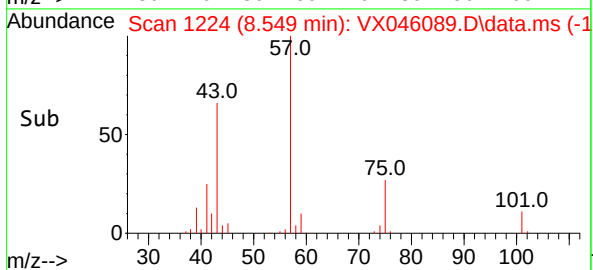
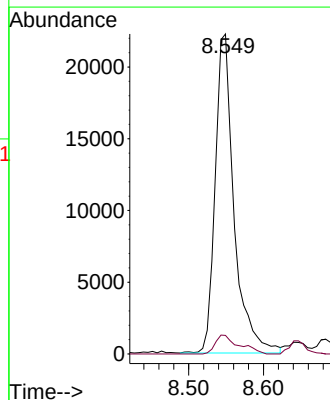
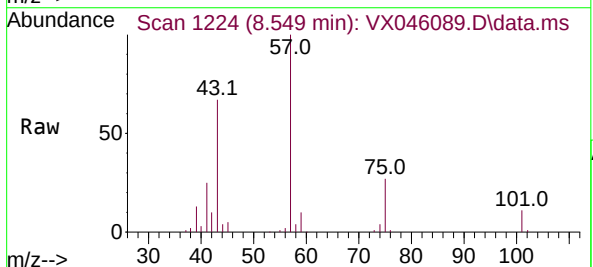
Instrument :
MSVOA_X
ClientSampleId :
MH-M

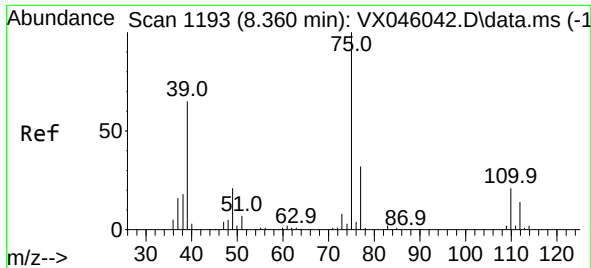
Tgt Ion: 98 Resp: 157048
Ion Ratio Lower Upper
98 100
100 65.1 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 25.869 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

Tgt Ion: 43 Resp: 39160
Ion Ratio Lower Upper
43 100
58 7.4 28.9 43.3#

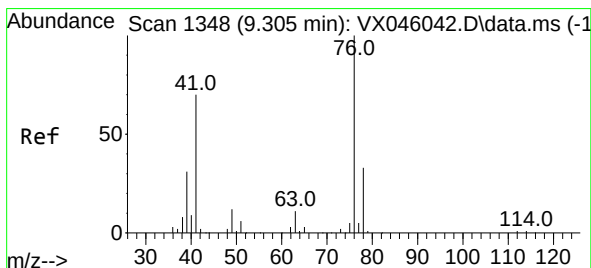
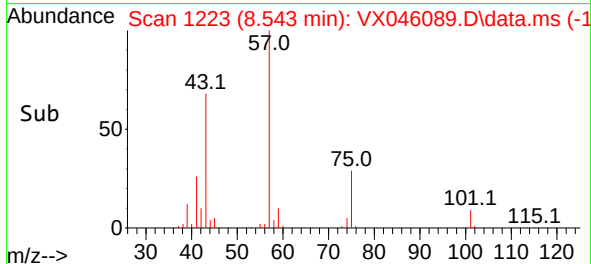
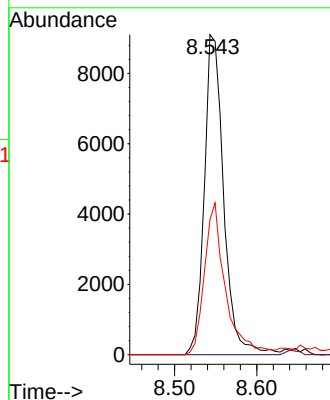
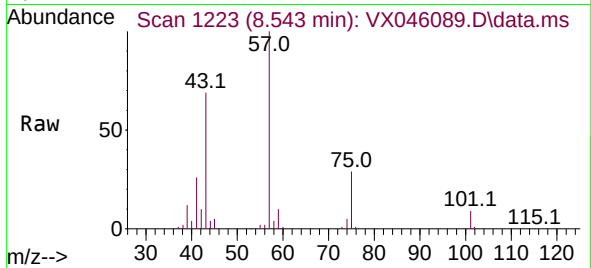




#54
 cis-1,3-Dichloropropene
 Concen: 11.087 ug/l
 RT: 8.543 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX046089.D
 Acq: 08 May 2025 14:29

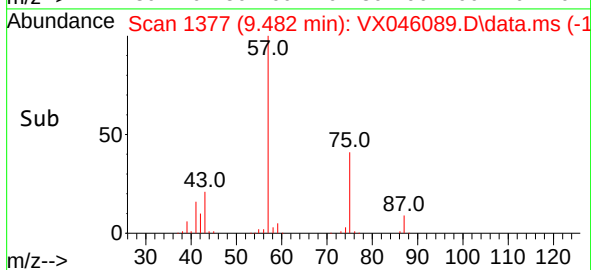
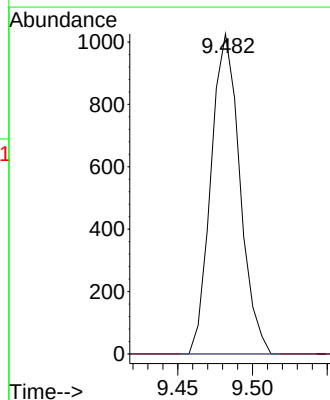
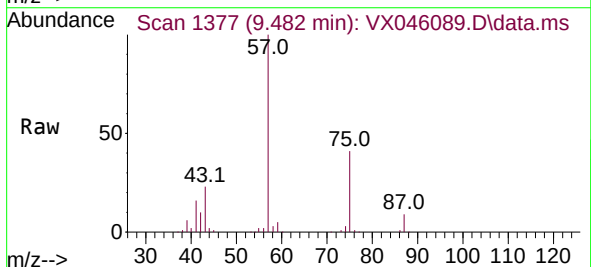
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-M

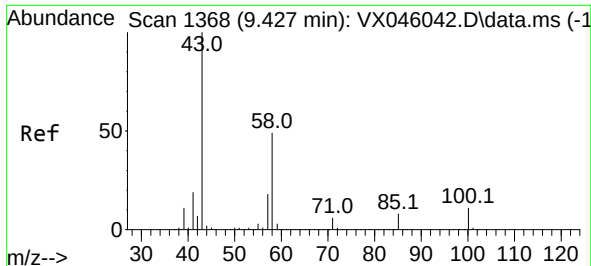
Tgt Ion: 75 Resp: 14910
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 42.2 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.895 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046089.D
 Acq: 08 May 2025 14:29

Tgt Ion: 76 Resp: 1378
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

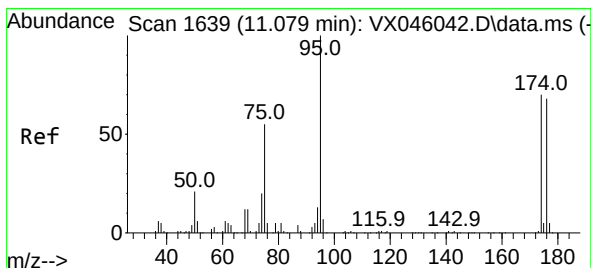
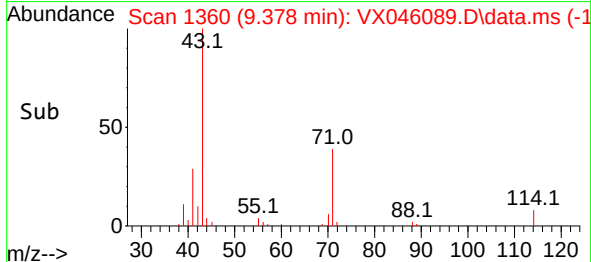
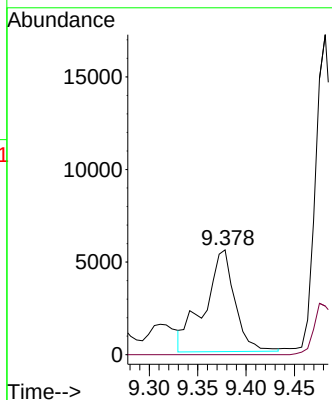
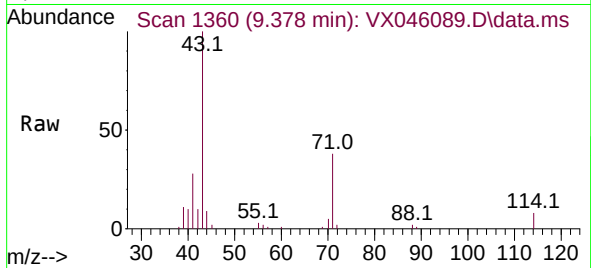




#59
2-Hexanone
Concen: 10.667 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

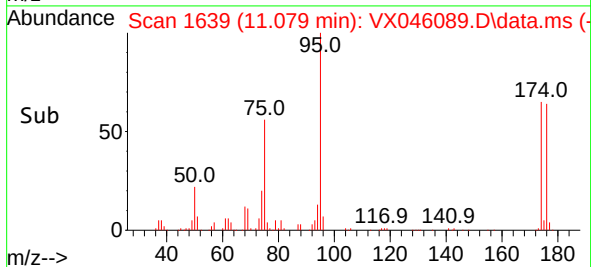
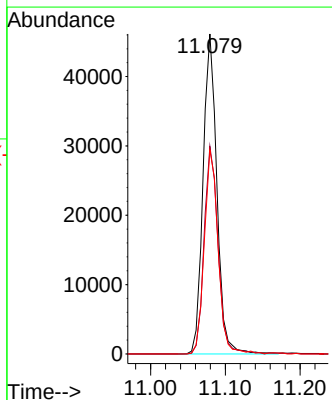
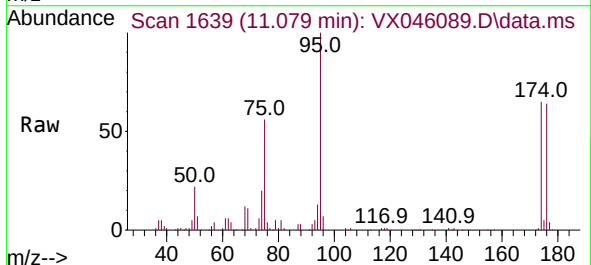
Instrument :
MSVOA_X
ClientSampleId :
MH-M

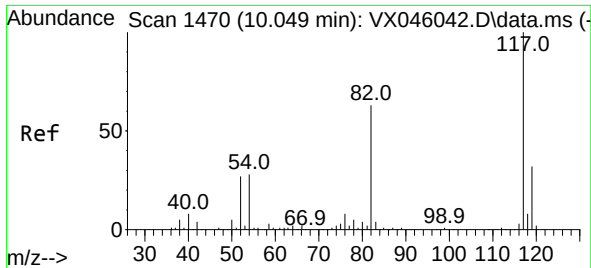
Tgt Ion: 43 Resp: 11947
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 49.656 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

Tgt Ion: 95 Resp: 59368
Ion Ratio Lower Upper
95 100
174 65.1 0.0 135.8
176 63.8 0.0 131.4

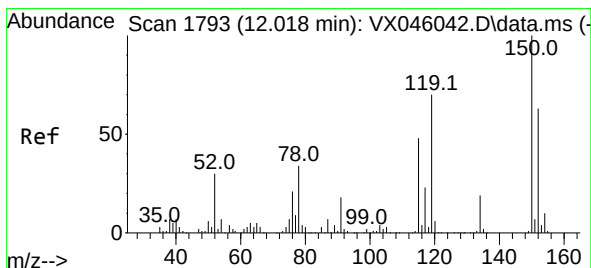
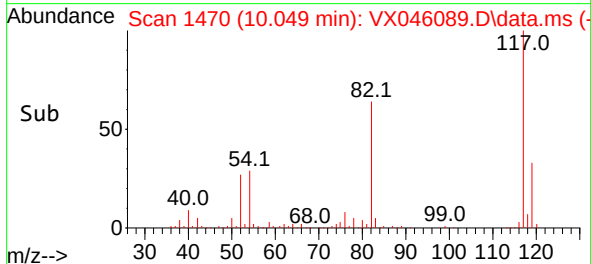
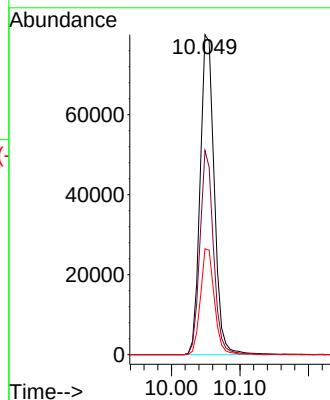
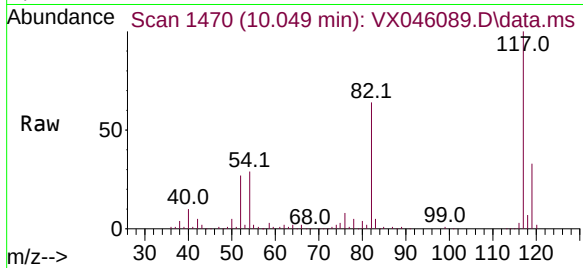




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

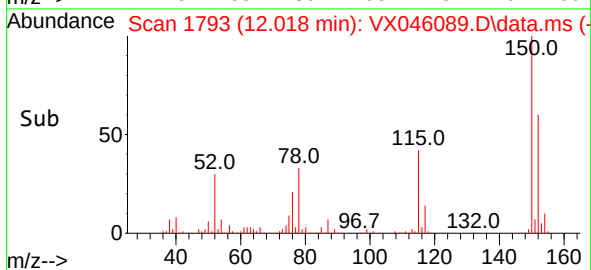
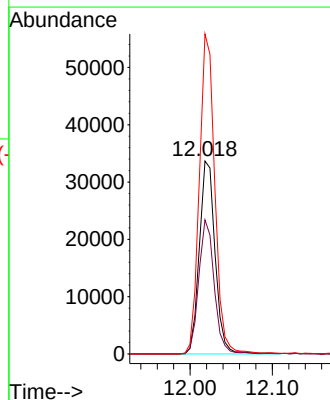
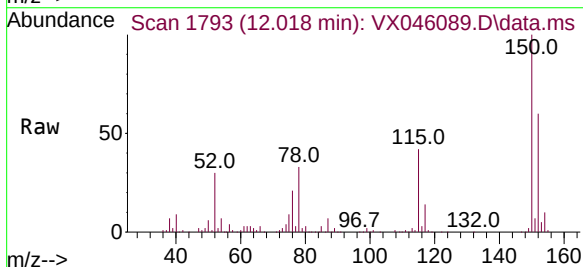
Instrument :
MSVOA_X
ClientSampleId :
MH-M

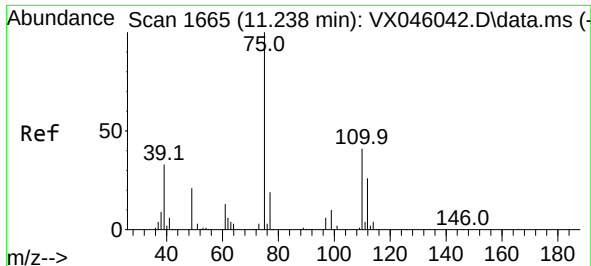
Tgt Ion:117 Resp: 115021
Ion Ratio Lower Upper
117 100
82 63.8 50.6 76.0
119 33.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

Tgt Ion:152 Resp: 44983
Ion Ratio Lower Upper
152 100
115 68.1 46.9 140.7
150 162.6 0.0 351.0

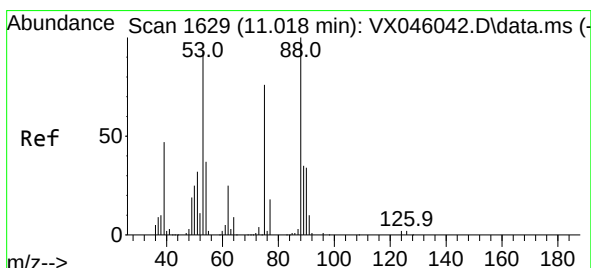
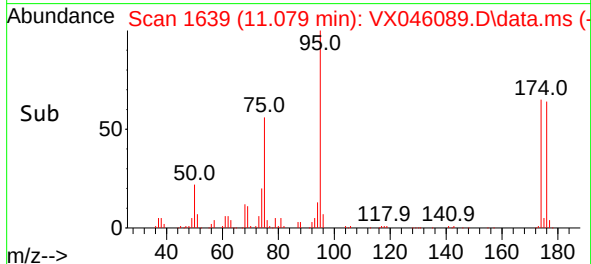
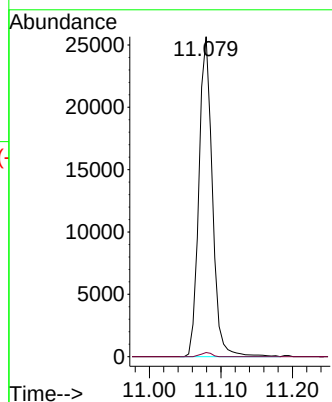
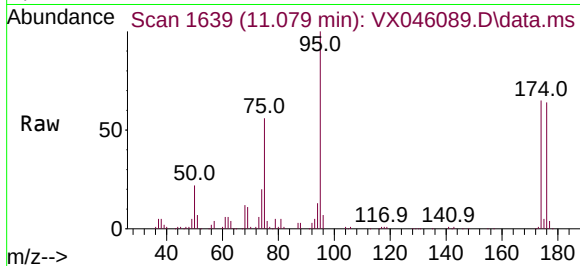




#76
1,2,3-Trichloropropane
Concen: 30.928 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
MH-M

Tgt Ion: 75 Resp: 33488
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.693 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046089.D
Acq: 08 May 2025 14:29

Tgt Ion: 75 Resp: 33488
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

