

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046173.D
 Acq On : 13 May 2025 17:55
 Operator : JC/MD
 Sample : Q2017-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-I

Quant Time: May 14 01:44:43 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)

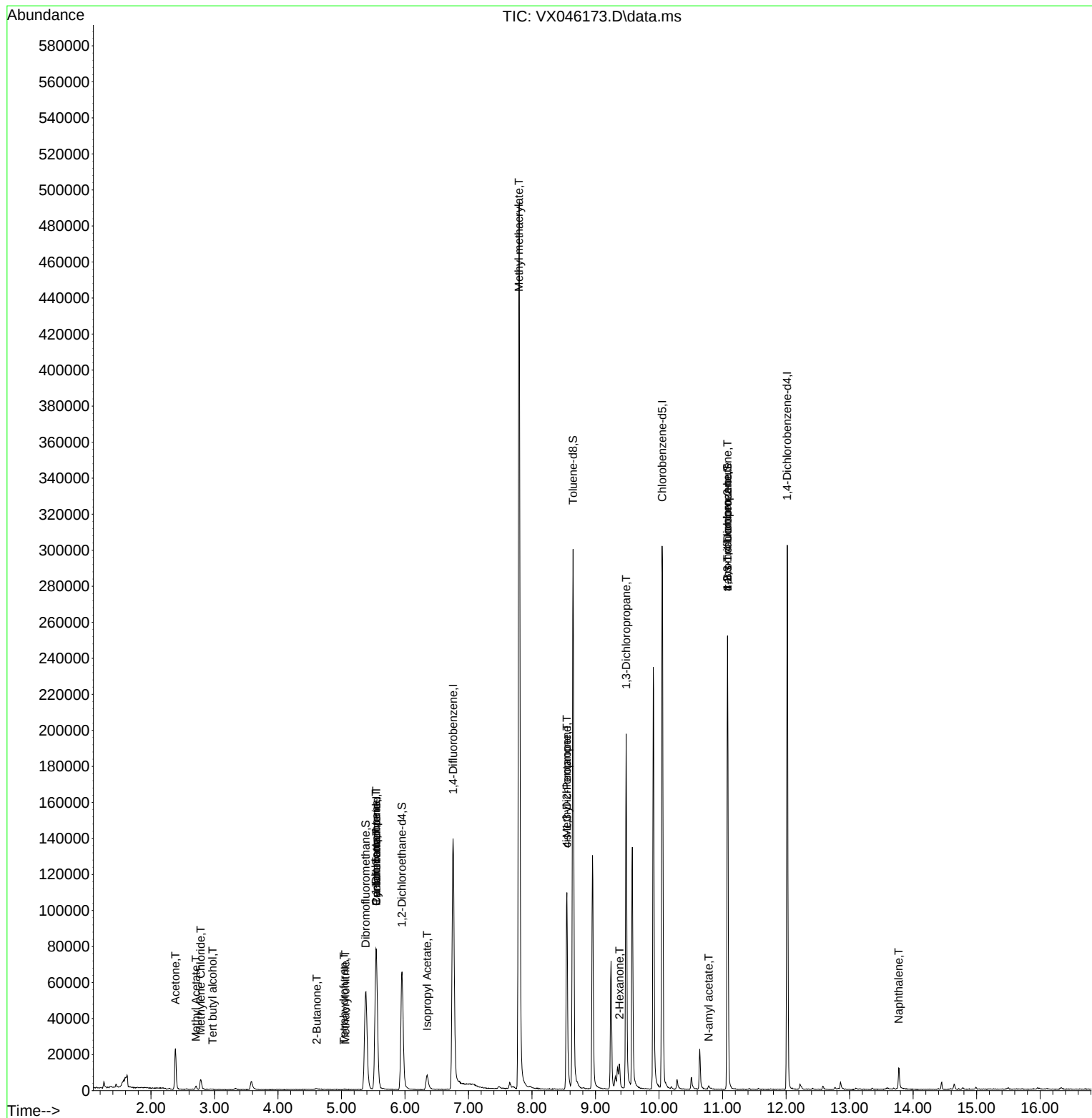
Internal Standards						
1) Pentafluorobenzene	5.550	168	66540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135367	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66624	53.707	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.420%	
35) Dibromofluoromethane	5.379	113	47829	49.066	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.140%	
50) Toluene-d8	8.647	98	167974	49.787	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.580%	
62) 4-Bromofluorobenzene	11.079	95	67272	51.981	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.960%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	150	0.861	ug/l #	72
16) Acetone	2.386	43	25162	50.588	ug/l	97
18) Methyl Acetate	2.709	43	2578	2.234	ug/l	97
20) Methylene Chloride	2.782	84	2790	2.927	ug/l	97
25) 2-Butanone	4.611	43	1316	1.822	ug/l #	88
29) Tetrahydrofuran	5.038	42	431	0.953	ug/l #	43
31) Cyclohexane	5.550	56	1916	1.296	ug/l #	27
36) 1,1-Dichloropropene	5.544	75	6376	4.868	ug/l #	49
38) Carbon Tetrachloride	5.550	117	8205	5.576	ug/l #	17
41) Methacrylonitrile	5.062	41	185	0.219	ug/l #	30
43) Isopropyl Acetate	6.348	43	12528	5.075	ug/l	98
48) Methyl methacrylate	7.793	41	48785	38.696	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	42638	26.021	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	16908	11.615	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	1694	1.017	ug/l #	42
59) 2-Hexanone	9.378	43	12506	10.316	ug/l #	28
74) N-amyl acetate	10.780	43	1828	0.851	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	38759	28.844	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	38759	93.906	ug/l #	1
95) Naphthalene	13.774	128	9110	2.340	ug/l	97

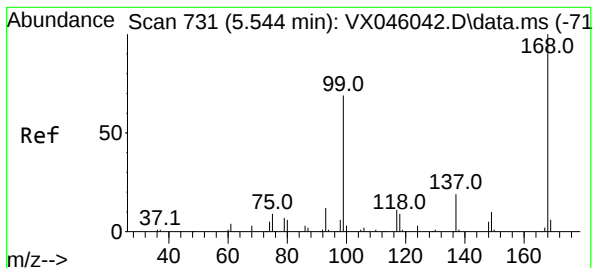
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX046173.D

Acq: 13 May 2025 17:55

Instrument :

MSVOA_X

ClientSampleId :

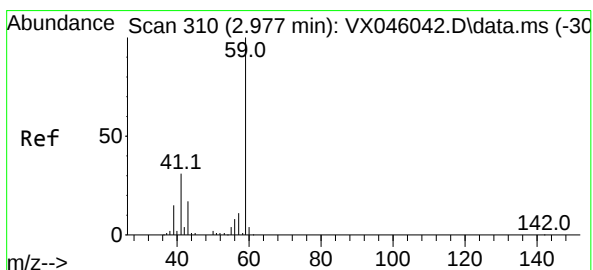
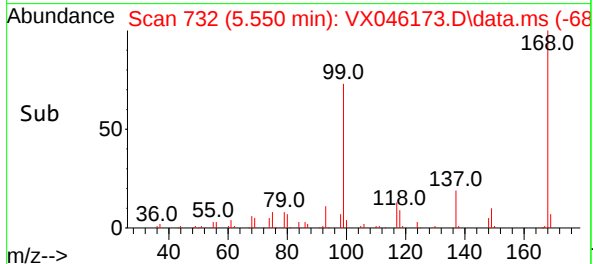
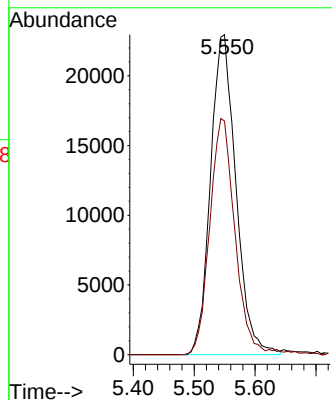
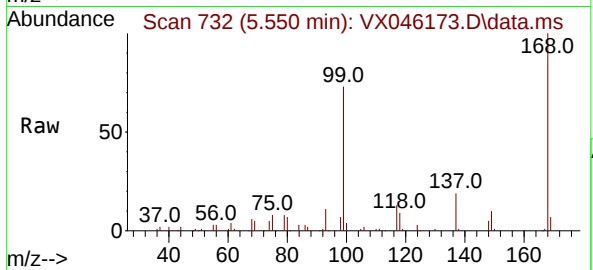
MH-I

Tgt Ion:168 Resp: 66540

Ion Ratio Lower Upper

168 100

99 73.0 54.9 82.3



#11

Tert butyl alcohol

Concen: 0.861 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX046173.D

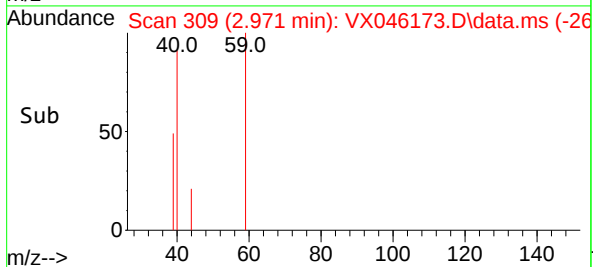
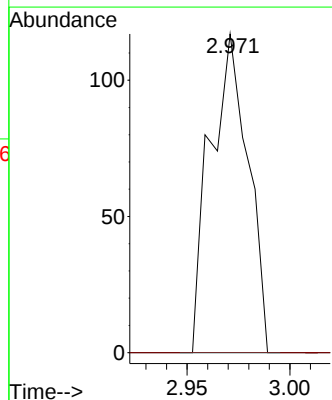
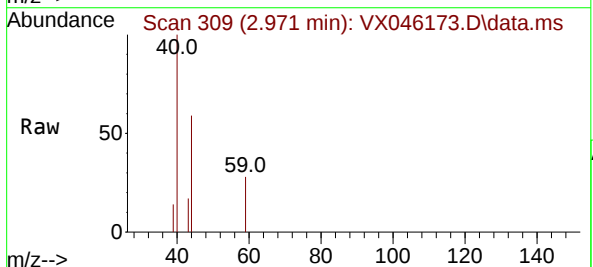
Acq: 13 May 2025 17:55

Tgt Ion: 59 Resp: 150

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

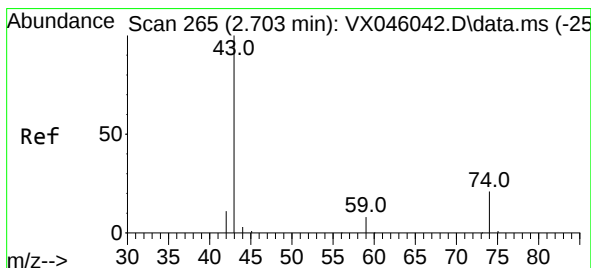
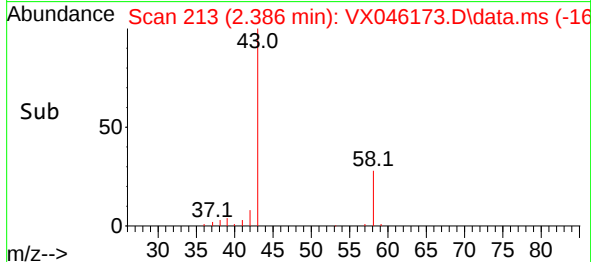
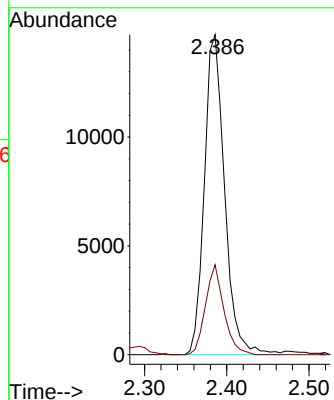
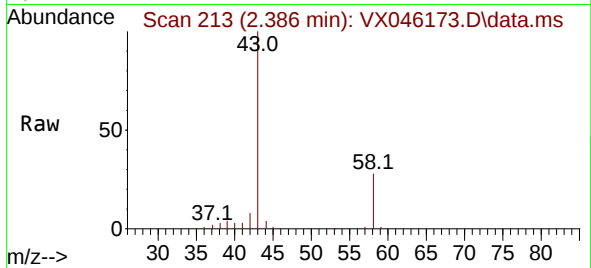




#16
 Acetone
 Concen: 50.588 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX046173.D
 Acq: 13 May 2025 17:55

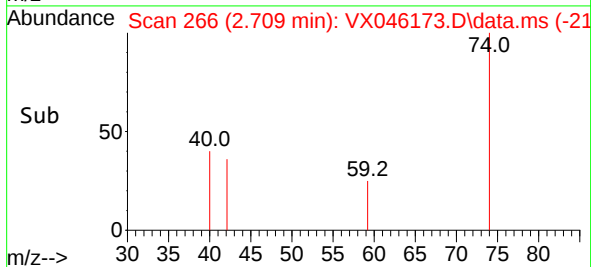
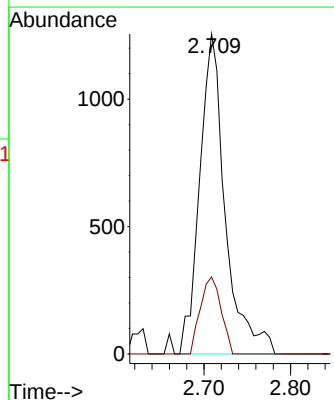
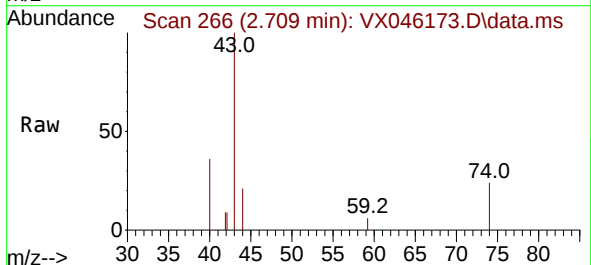
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-I

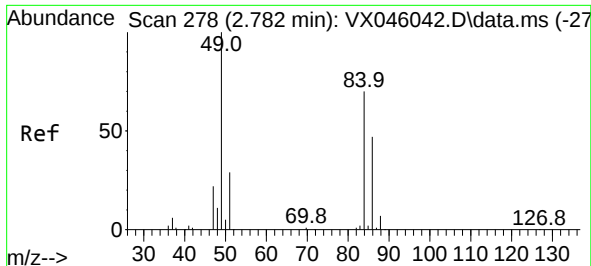
Tgt Ion: 43 Resp: 25162
 Ion Ratio Lower Upper
 43 100
 58 28.1 21.2 31.8



#18
 Methyl Acetate
 Concen: 2.234 ug/l
 RT: 2.709 min Scan# 266
 Delta R.T. 0.006 min
 Lab File: VX046173.D
 Acq: 13 May 2025 17:55

Tgt Ion: 43 Resp: 2578
 Ion Ratio Lower Upper
 43 100
 74 19.4 16.7 25.1

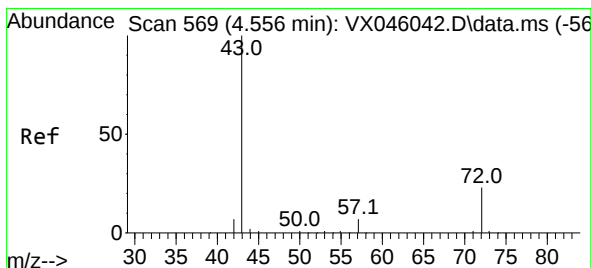
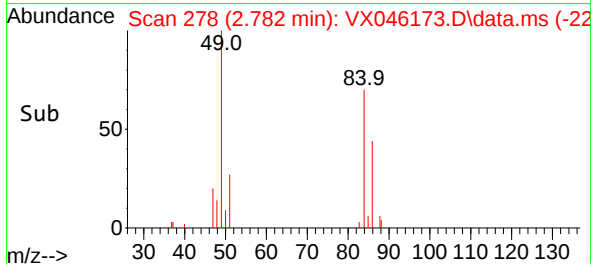
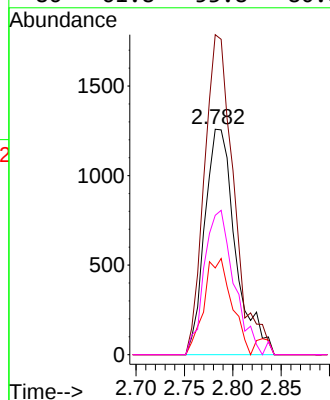
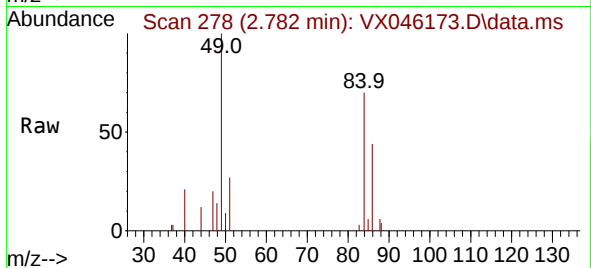




#20
Methylene Chloride
Concen: 2.927 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046173.D
Acq: 13 May 2025 17:55

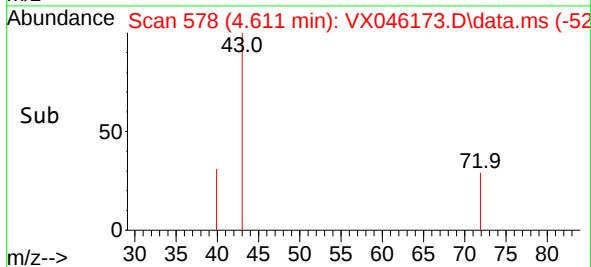
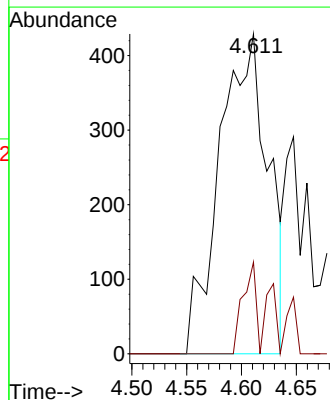
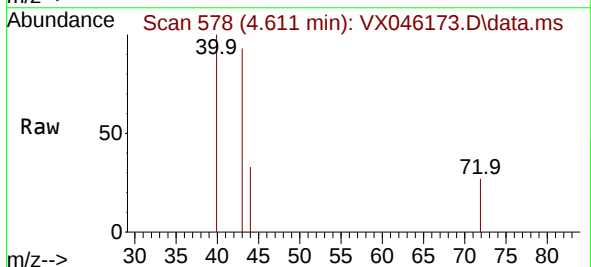
Instrument :
MSVOA_X
ClientSampleId :
MH-I

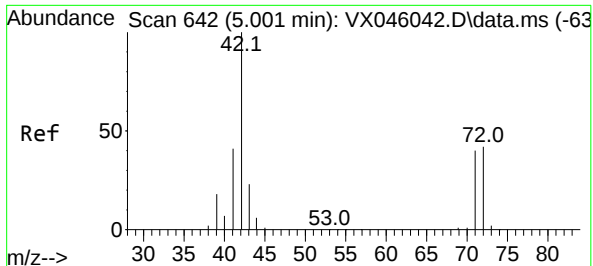
Tgt Ion:	84	Resp:	2790
Ion	Ratio	Lower	Upper
84	100		
49	141.9	113.9	170.9
51	38.4	33.5	50.3
86	61.8	53.8	80.8



#25
2-Butanone
Concen: 1.822 ug/l
RT: 4.611 min Scan# 578
Delta R.T. 0.055 min
Lab File: VX046173.D
Acq: 13 May 2025 17:55

Tgt Ion:	43	Resp:	1316
Ion	Ratio	Lower	Upper
43	100		
72	28.7	18.4	27.6#





#29

Tetrahydrofuran

Concen: 0.953 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.036 min

Lab File: VX046173.D

Acq: 13 May 2025 17:55

Instrument :

MSVOA_X

ClientSampleId :

MH-I

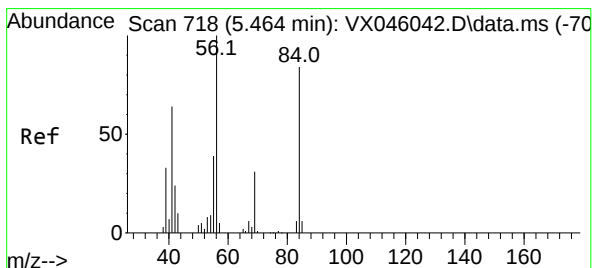
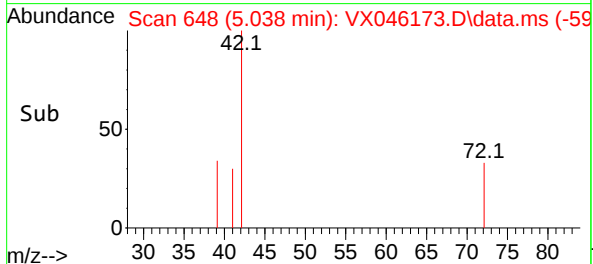
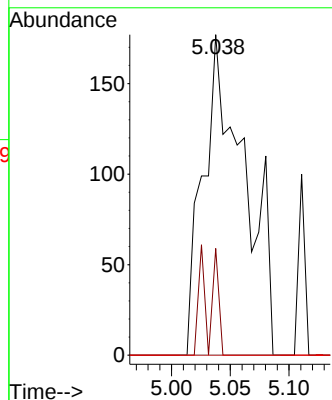
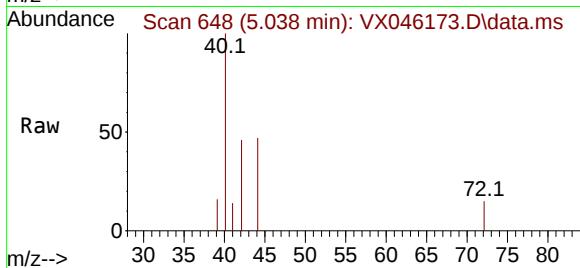
Tgt Ion: 42 Resp: 431

Ion Ratio Lower Upper

42 100

72 10.2 33.7 50.5#

71 0.0 31.4 47.2#



#31

Cyclohexane

Concen: 1.296 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX046173.D

Acq: 13 May 2025 17:55

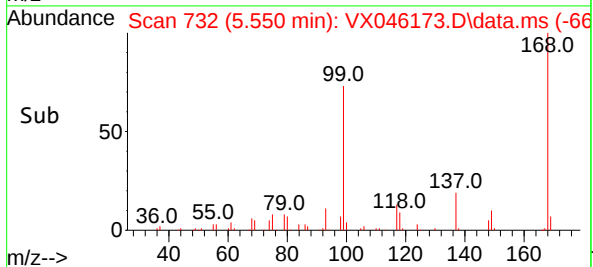
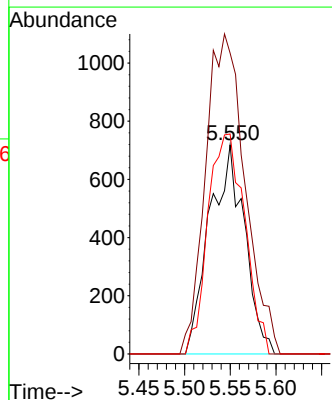
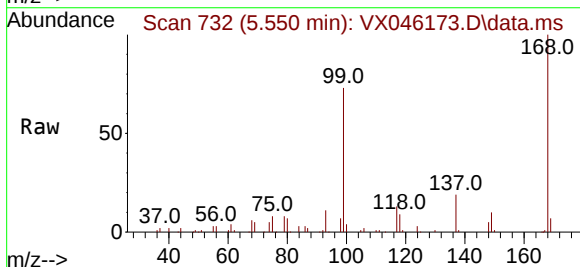
Tgt Ion: 56 Resp: 1916

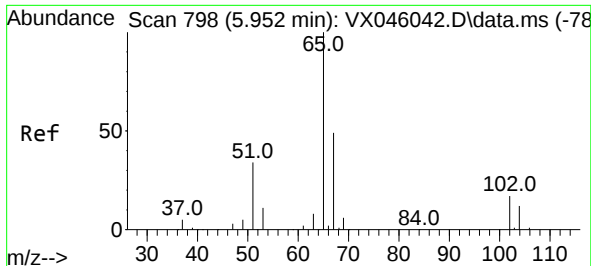
Ion Ratio Lower Upper

56 100

69 143.8 24.4 36.6#

84 105.1 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 53.707 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046173.D

Acq: 13 May 2025 17:55

Instrument :

MSVOA_X

ClientSampleId :

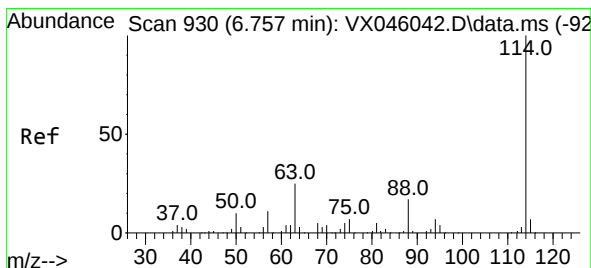
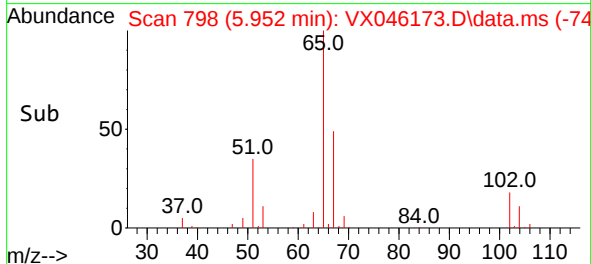
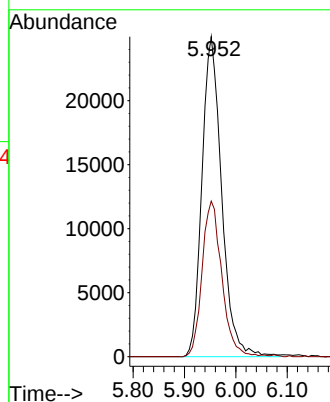
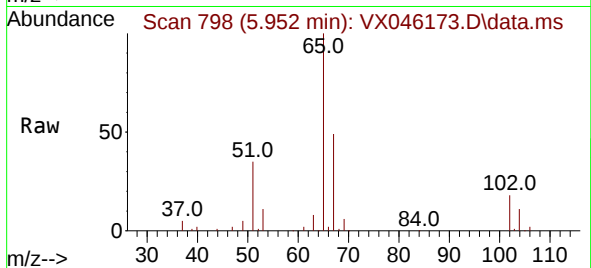
MH-I

Tgt Ion: 65 Resp: 66624

Ion Ratio Lower Upper

65 100

67 48.7 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046173.D

Acq: 13 May 2025 17:55

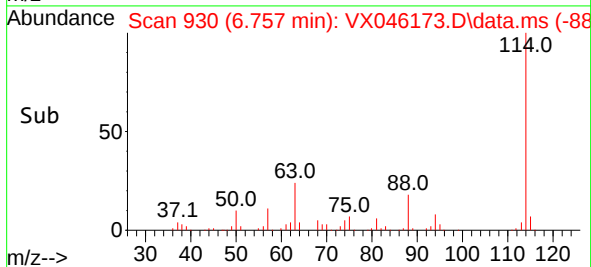
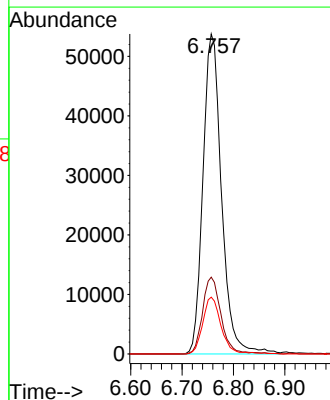
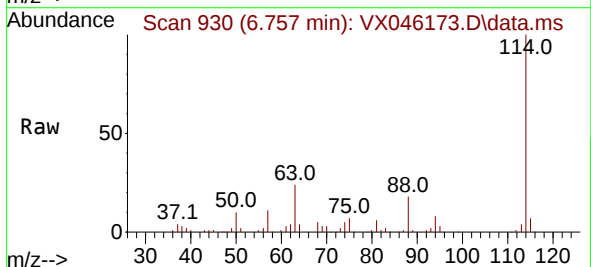
Tgt Ion: 114 Resp: 135367

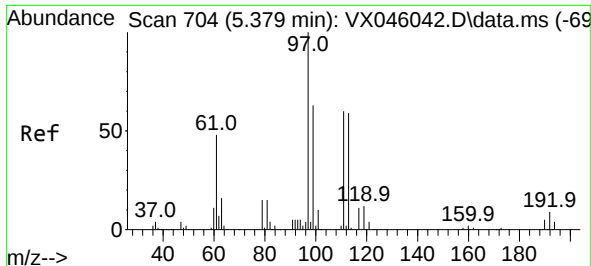
Ion Ratio Lower Upper

114 100

63 24.0 0.0 49.2

88 17.7 0.0 33.6

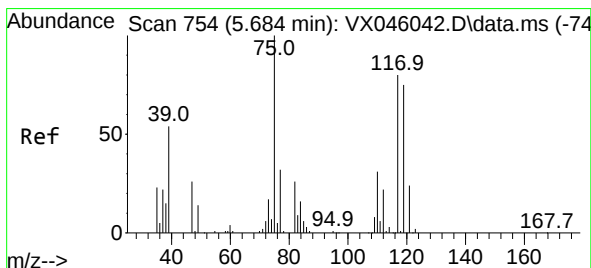
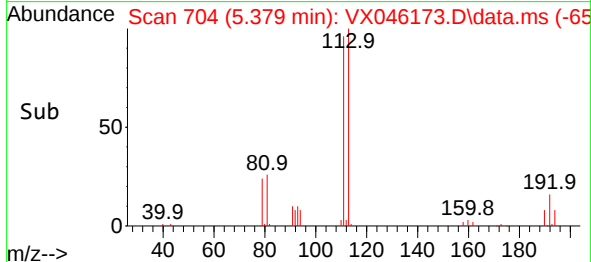
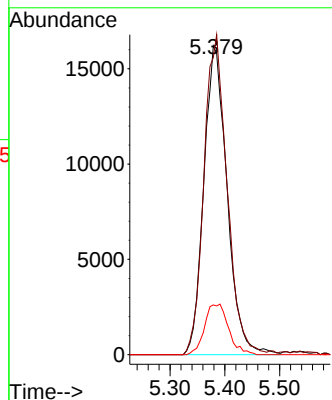
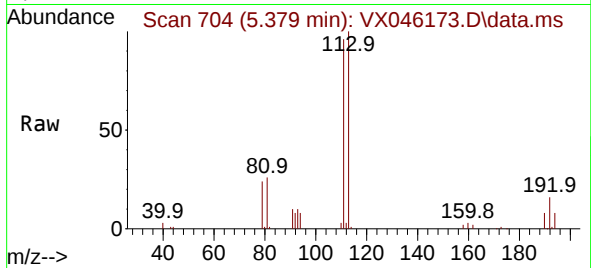




#35
Dibromofluoromethane
Concen: 49.066 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046173.D
Acq: 13 May 2025 17:55

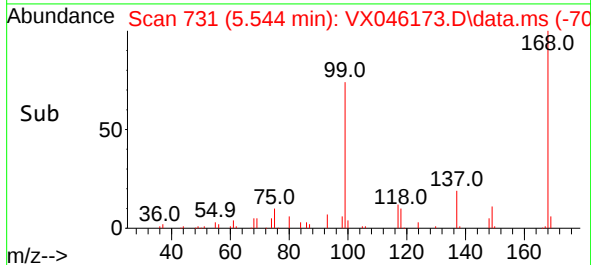
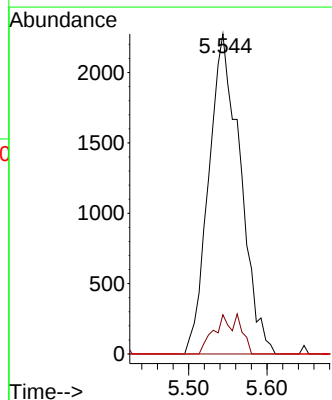
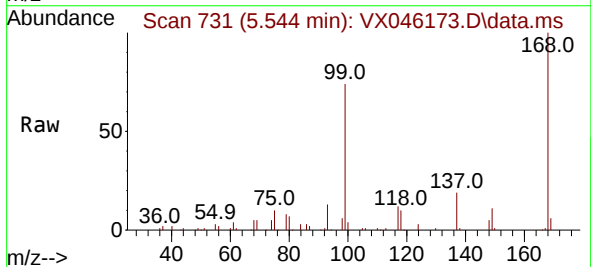
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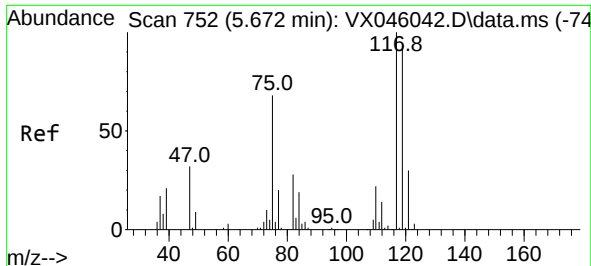
Tgt Ion:113 Resp: 47829
Ion Ratio Lower Upper
113 100
111 102.5 83.1 124.7
192 16.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.868 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046173.D
Acq: 13 May 2025 17:55

Tgt Ion: 75 Resp: 6376
Ion Ratio Lower Upper
75 100
110 6.7 16.3 48.9#
77 0.0 24.3 36.5#

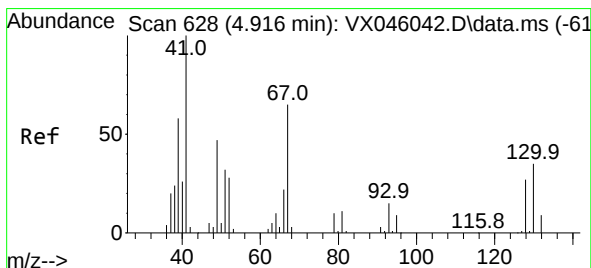
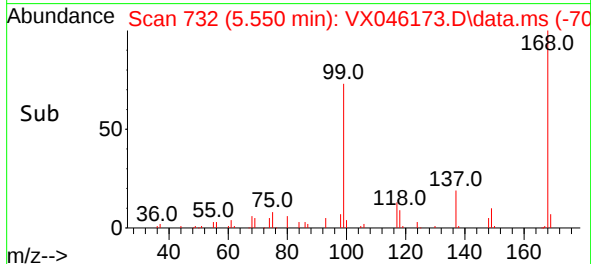
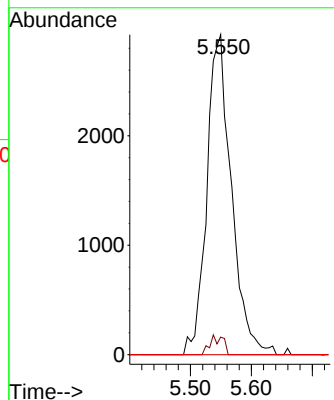
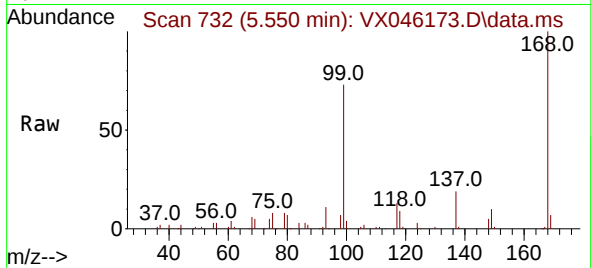




#38
Carbon Tetrachloride
Concen: 5.576 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046173.D
Acq: 13 May 2025 17:55

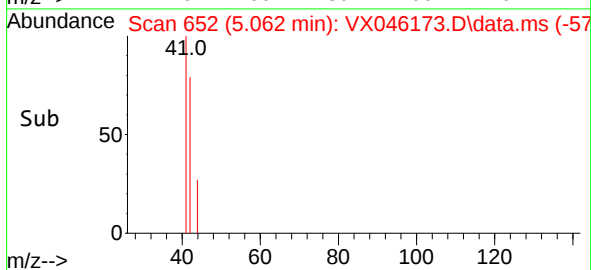
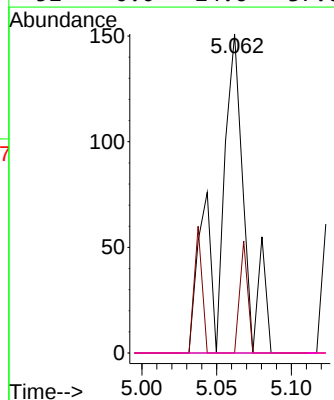
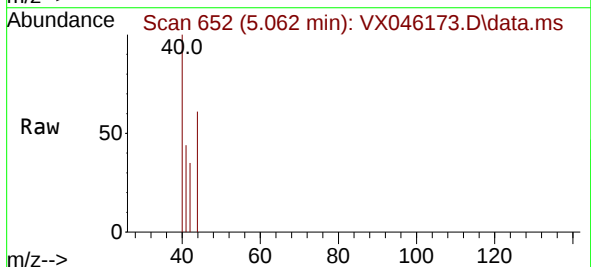
Instrument :
MSVOA_X
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MH-I

Tgt Ion:117 Resp: 8205
Ion Ratio Lower Upper
117 100
119 5.5 75.2 112.8#
121 0.0 24.2 36.4#



#41
Methacrylonitrile
Concen: 0.219 ug/l
RT: 5.062 min Scan# 652
Delta R.T. 0.146 min
Lab File: VX046173.D
Acq: 13 May 2025 17:55

Tgt Ion: 41 Resp: 185
Ion Ratio Lower Upper
41 100
39 10.3 47.2 70.8#
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#

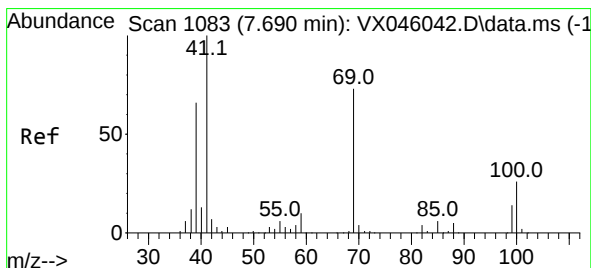
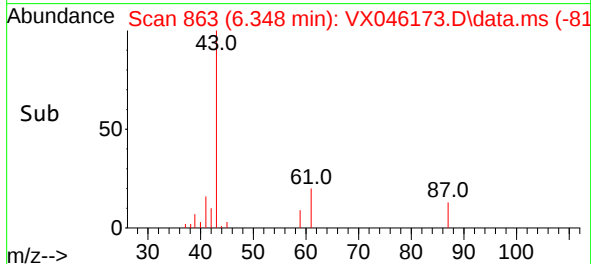
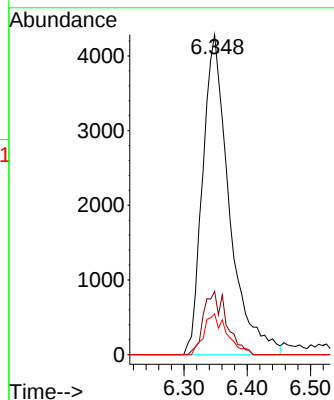
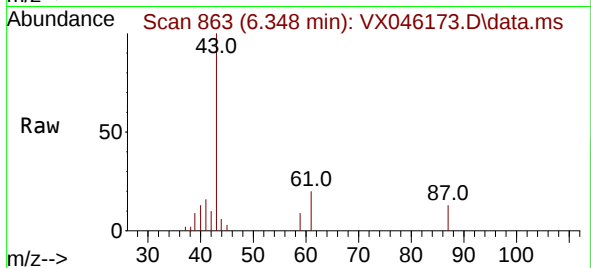




#43
Isopropyl Acetate
Concen: 5.075 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046173.D
Acq: 13 May 2025 17:55

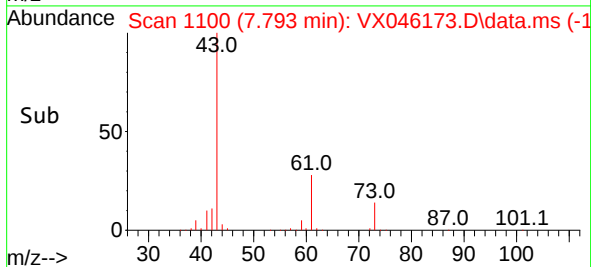
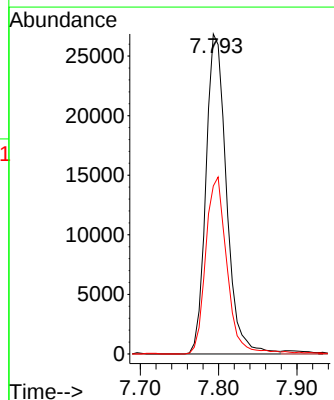
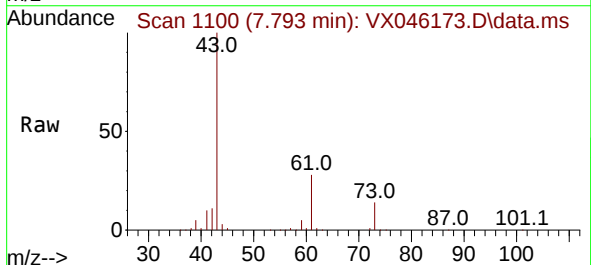
Instrument :
MSVOA_X
ClientSampleId :
MH-I

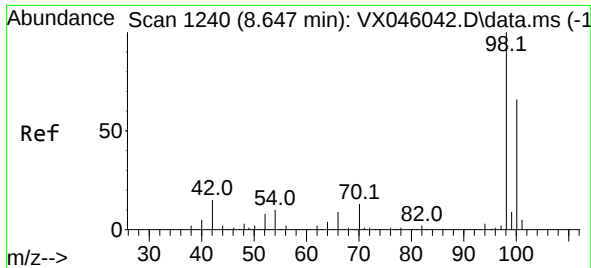
Tgt Ion: 43 Resp: 12528
Ion Ratio Lower Upper
43 100
61 17.2 14.3 21.5
87 11.2 9.5 14.3



#48
Methyl methacrylate
Concen: 38.696 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046173.D
Acq: 13 May 2025 17:55

Tgt Ion: 41 Resp: 48785
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.8 51.7 77.5

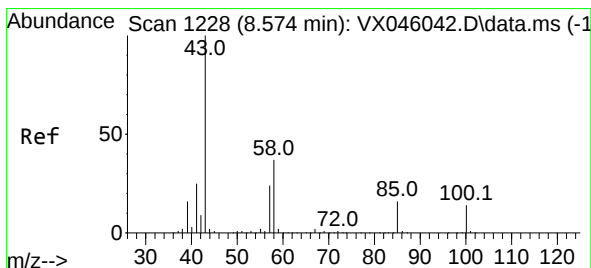
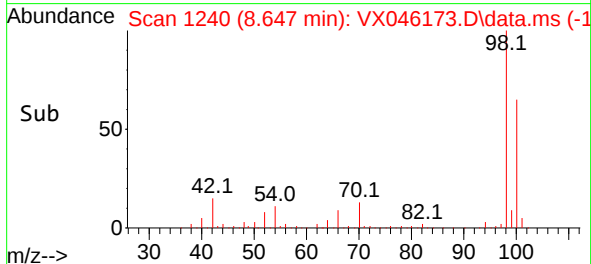
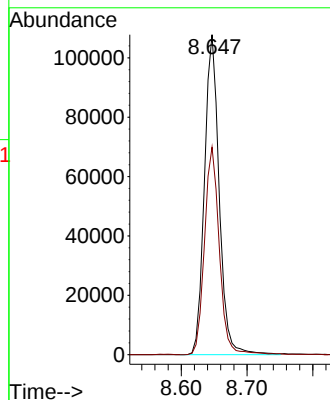
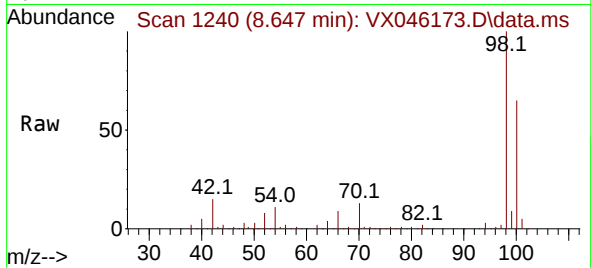




#50
Toluene-d8
Concen: 49.787 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046173.D
Acq: 13 May 2025 17:55

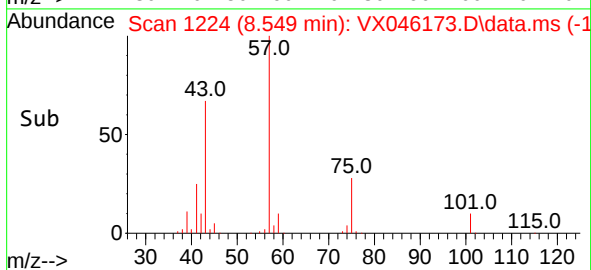
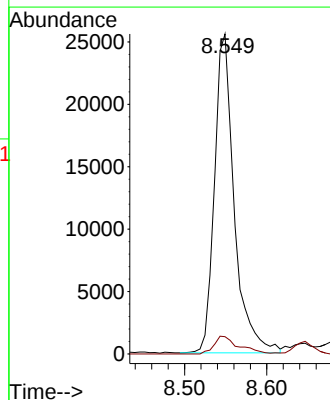
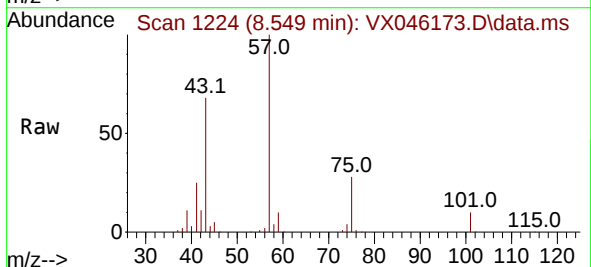
Instrument :
MSVOA_X
ClientSampleId :
MH-I

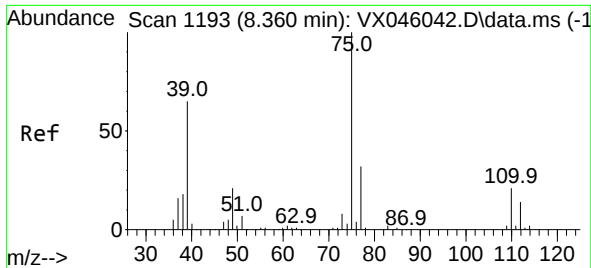
Tgt Ion: 98 Resp: 167974
Ion Ratio Lower Upper
98 100
100 65.5 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 26.021 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX046173.D
Acq: 13 May 2025 17:55

Tgt Ion: 43 Resp: 42638
Ion Ratio Lower Upper
43 100
58 7.0 28.9 43.3#

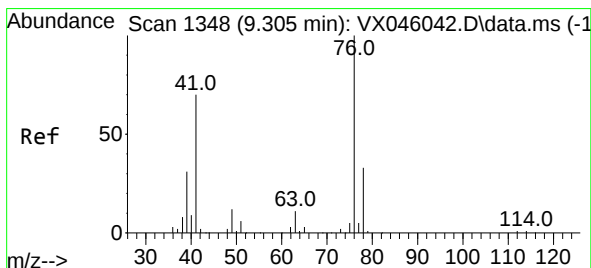
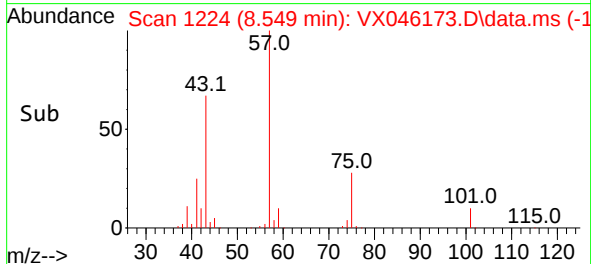
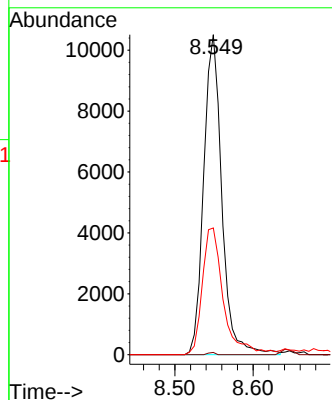
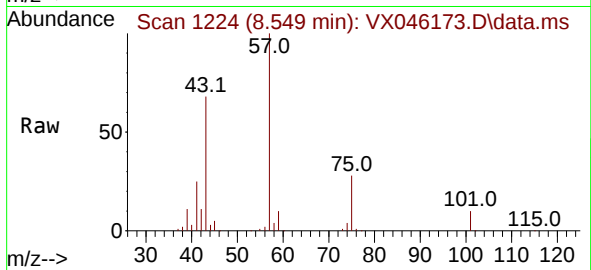




#54
 cis-1,3-Dichloropropene
 Concen: 11.615 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046173.D
 Acq: 13 May 2025 17:55

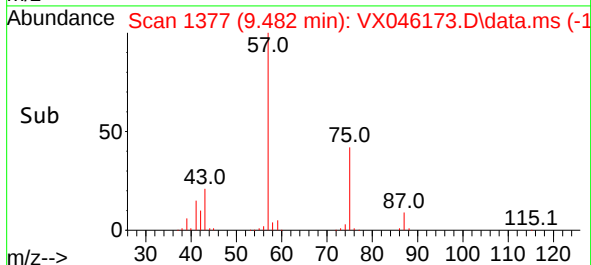
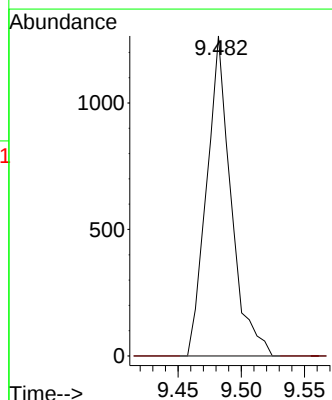
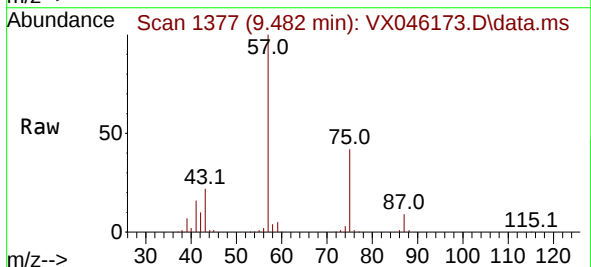
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-I

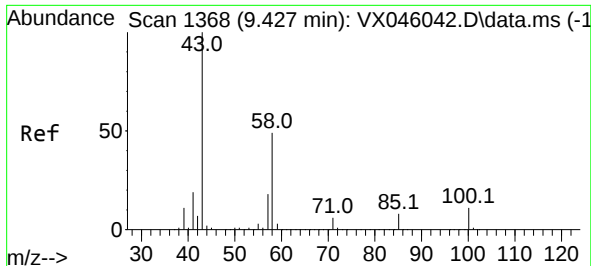
Tgt Ion: 75 Resp: 16908
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.4 38.0#
 39 39.6 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 1.017 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046173.D
 Acq: 13 May 2025 17:55

Tgt Ion: 76 Resp: 1694
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

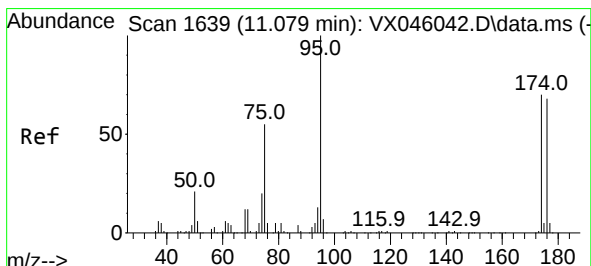
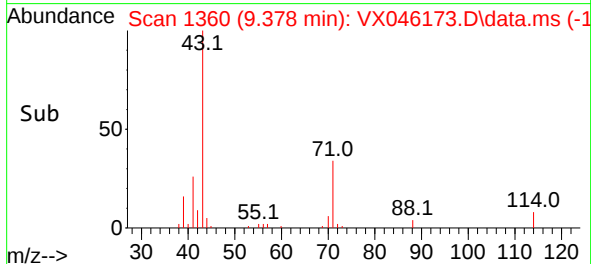
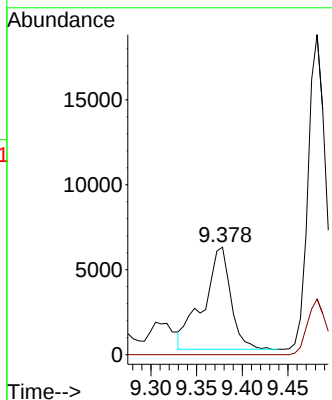
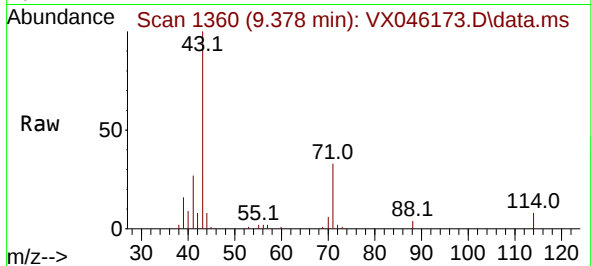




#59
2-Hexanone
Concen: 10.316 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046173.D
Acq: 13 May 2025 17:55

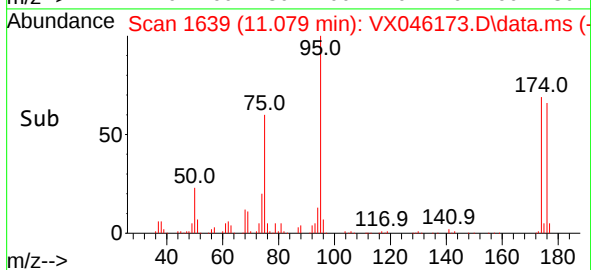
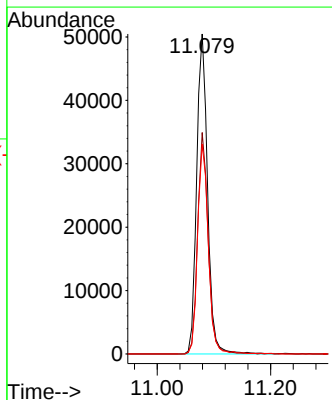
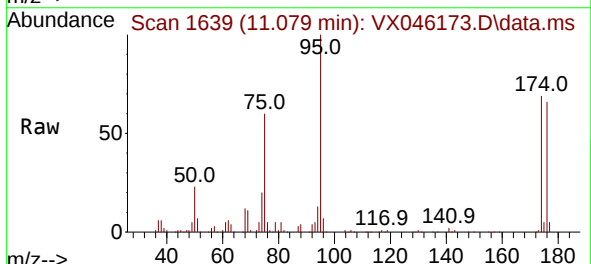
Instrument :
MSVOA_X
ClientSampleId :
MH-I

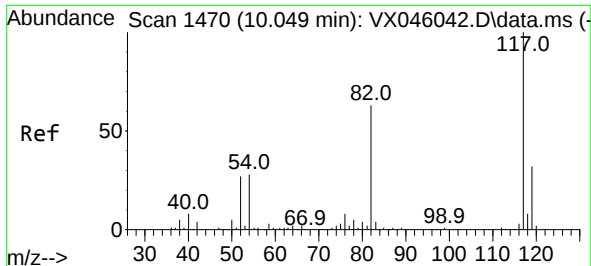
Tgt Ion: 43 Resp: 12506
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 51.981 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046173.D
Acq: 13 May 2025 17:55

Tgt Ion: 95 Resp: 67272
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.8
176 64.6 0.0 131.4

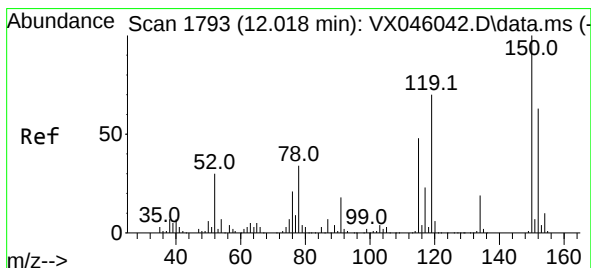
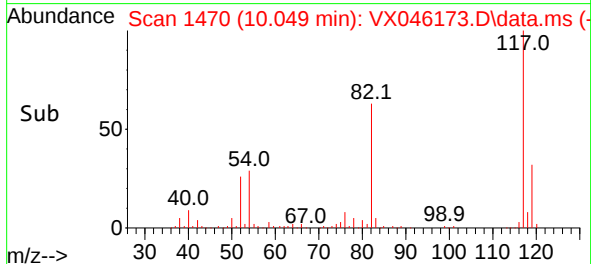
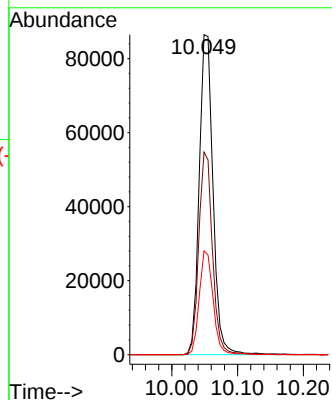
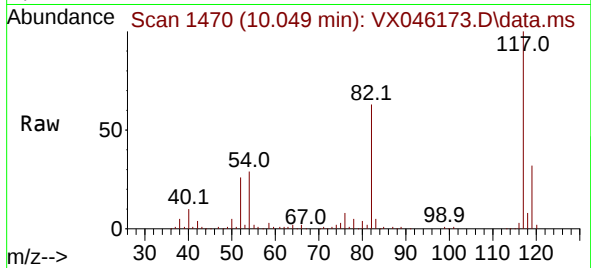




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046173.D
Acq: 13 May 2025 17:55

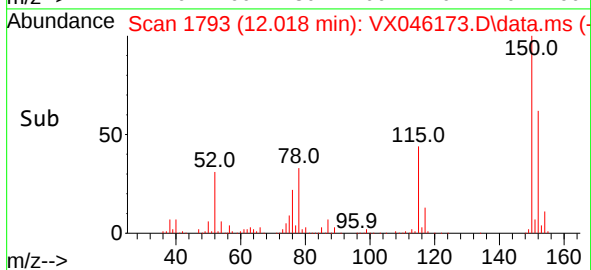
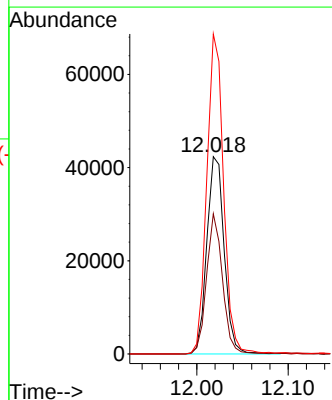
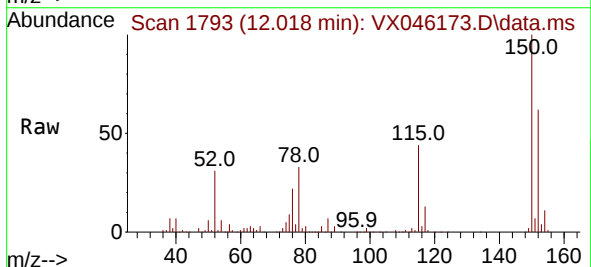
Instrument :
MSVOA_X
ClientSampleId :
MH-I

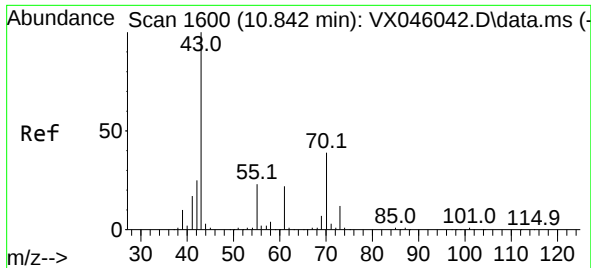
Tgt Ion:117 Resp: 126079
Ion Ratio Lower Upper
117 100
82 63.3 50.6 76.0
119 32.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046173.D
Acq: 13 May 2025 17:55

Tgt Ion:152 Resp: 55826
Ion Ratio Lower Upper
152 100
115 65.0 46.9 140.7
150 156.9 0.0 351.0

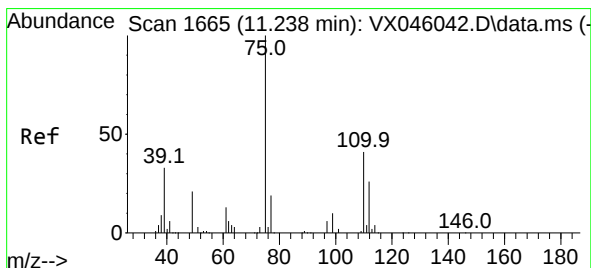
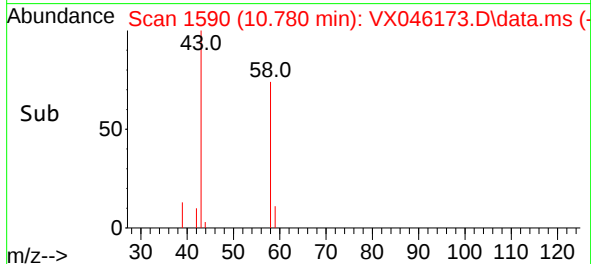
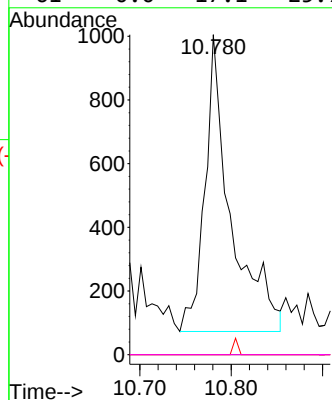
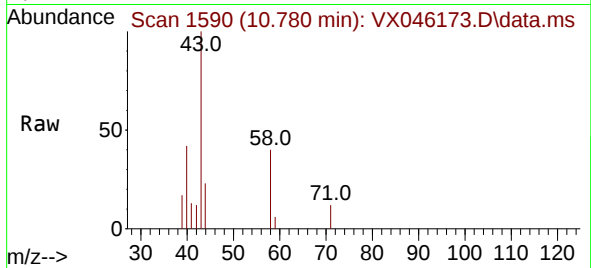




#74
N-amy1 acetate
Concen: 0.851 ug/l
RT: 10.780 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX046173.D
Acq: 13 May 2025 17:55

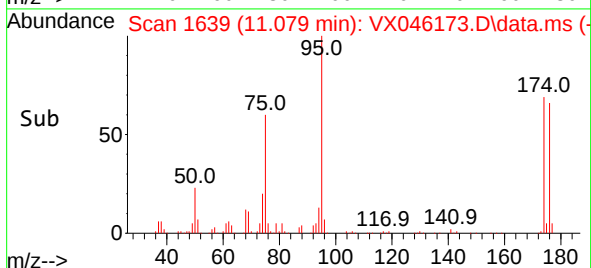
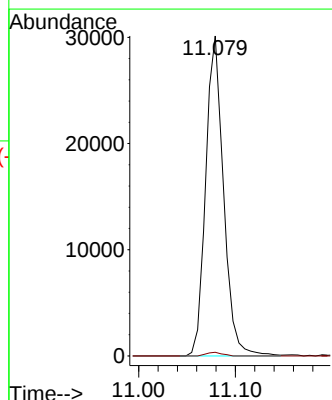
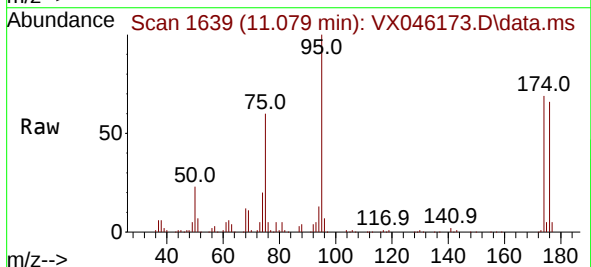
Instrument :
MSVOA_X
ClientSampleId :
MH-I

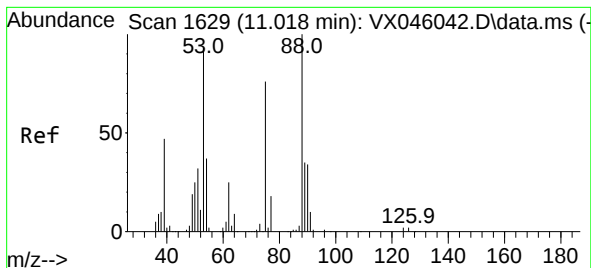
Tgt Ion:	43	Resp:	1828
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.9	46.3#
55	0.0	18.7	28.1#
61	0.0	17.1	25.7#



#76
1,2,3-Trichloropropane
Concen: 28.844 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046173.D
Acq: 13 May 2025 17:55

Tgt Ion:	75	Resp:	38759
Ion	Ratio	Lower	Upper
75	100		
77	1.0	20.5	61.5#

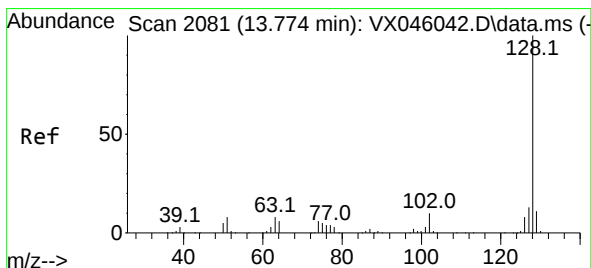
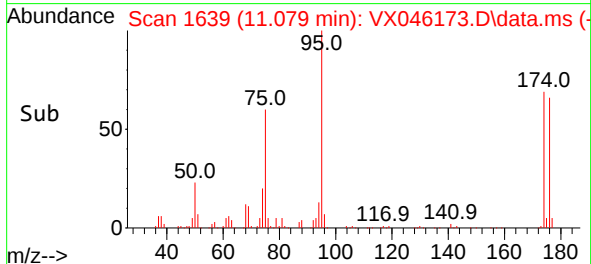
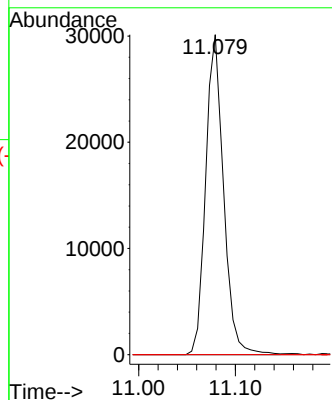
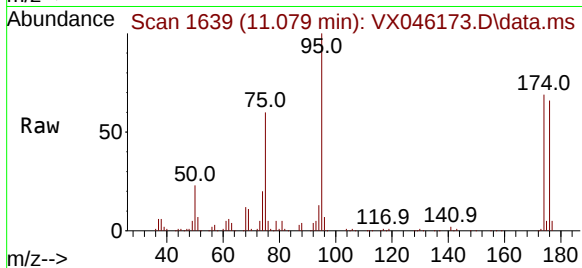




#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.906 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046173.D
 Acq: 13 May 2025 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-I

Tgt Ion: 75 Resp: 38759
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#



#95
 Naphthalene
 Concen: 2.340 ug/l
 RT: 13.774 min Scan# 2081
 Delta R.T. -0.000 min
 Lab File: VX046173.D
 Acq: 13 May 2025 17:55

Tgt Ion:128 Resp: 9110
 Ion Ratio Lower Upper
 128 100
 127 11.9 10.4 15.6
 129 9.9 8.6 13.0

