

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050825\
 Data File : VX046088.D
 Acq On : 08 May 2025 14:05
 Operator : JC/MD
 Sample : Q1968-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-M

Quant Time: May 09 01:57:07 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	5.543	168	63440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128683	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50153	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63511	53.699	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.400%	
35) Dibromofluoromethane	5.385	113	46411	50.085	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.160%	
50) Toluene-d8	8.647	98	162194	50.571	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.140%	
62) 4-Bromofluorobenzene	11.079	95	61332	49.853	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.700%	

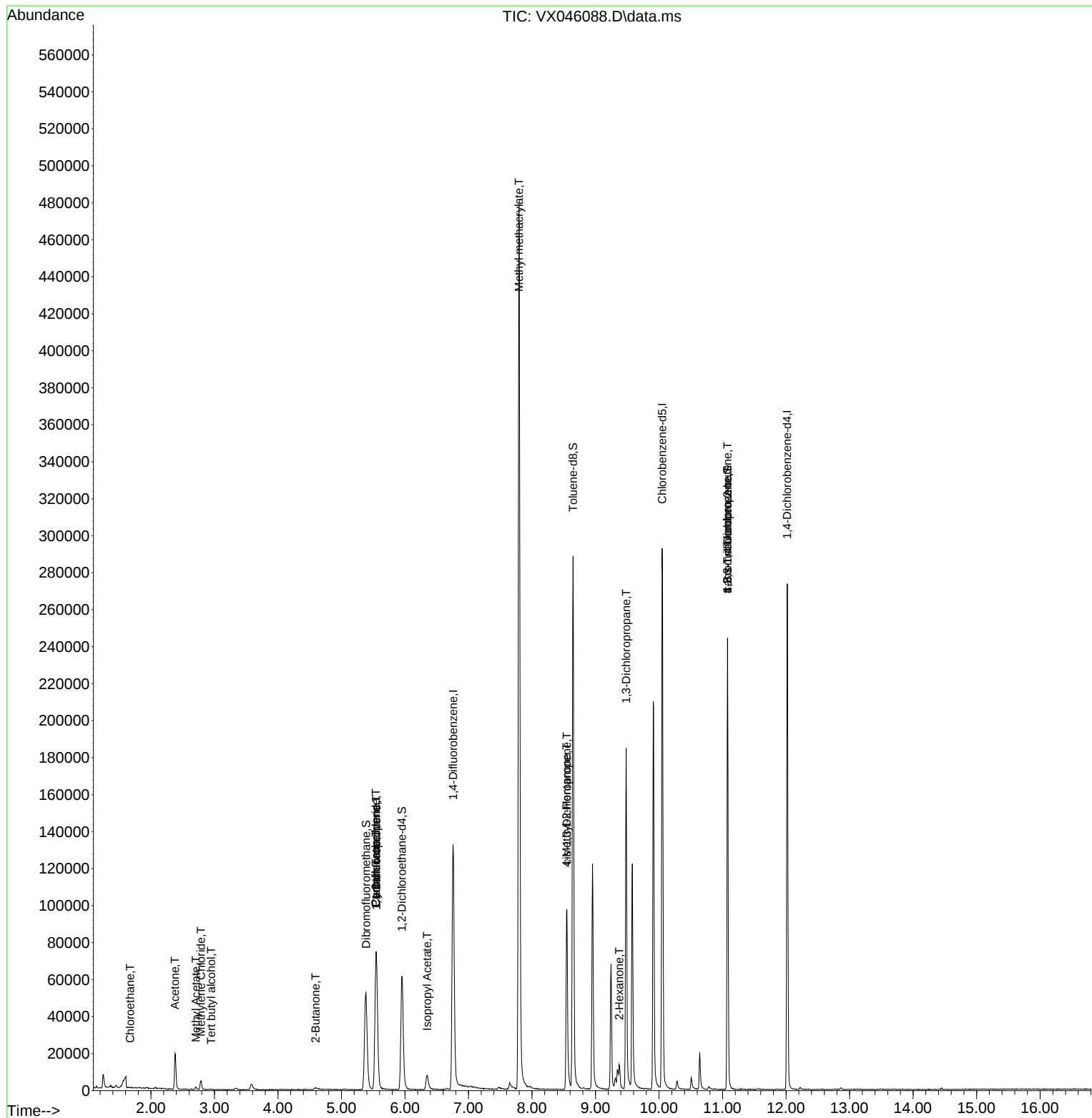
Target Compounds					Qvalue	
6) Chloroethane	1.672	64	300	0.641	ug/l #	44
11) Tert butyl alcohol	2.946	59	117	0.705	ug/l #	72
16) Acetone	2.379	43	21274	44.861	ug/l	98
18) Methyl Acetate	2.709	43	1849	1.680	ug/l	94
20) Methylene Chloride	2.788	84	2217	2.440	ug/l	92
25) 2-Butanone	4.592	43	2920	4.241	ug/l	92
31) Cyclohexane	5.543	56	1879	1.333	ug/l #	40
36) 1,1-Dichloropropene	5.550	75	6298	5.058	ug/l #	52
38) Carbon Tetrachloride	5.543	117	7640	5.461	ug/l #	17
43) Isopropyl Acetate	6.348	43	11300	4.815	ug/l	99
48) Methyl methacrylate	7.793	41	48845	40.756	ug/l #	49
51) 4-Methyl-2-Pentanone	8.543	43	39565	25.399	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	15590	11.265	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	1429	0.902	ug/l #	42
59) 2-Hexanone	9.372	43	12248	10.628	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	35123	29.094	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35123	94.722	ug/l #	1

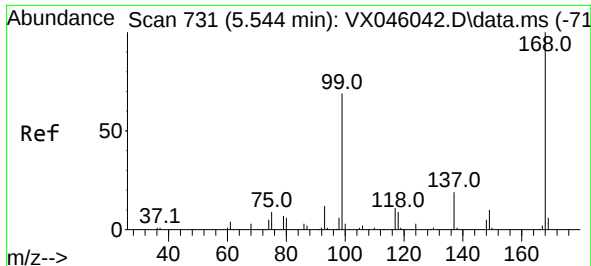
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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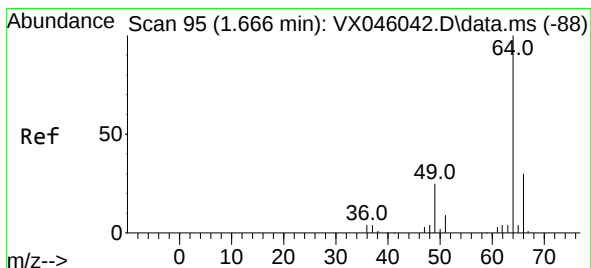
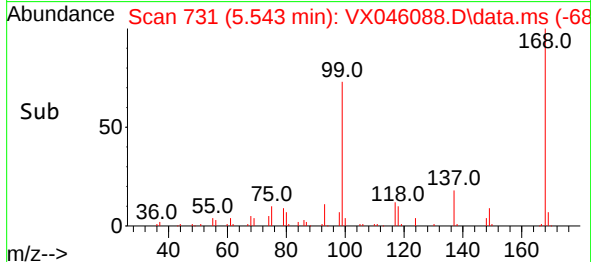
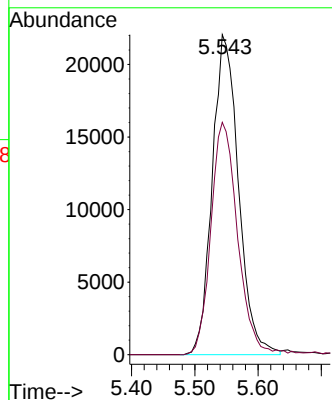
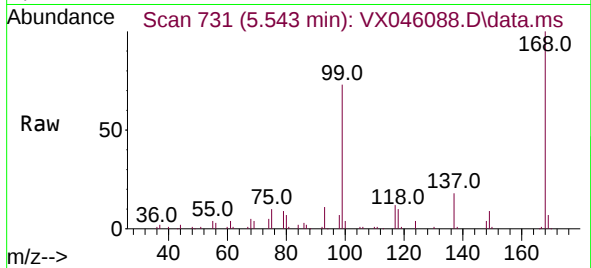




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX046088.D
Acq: 08 May 2025 14:05

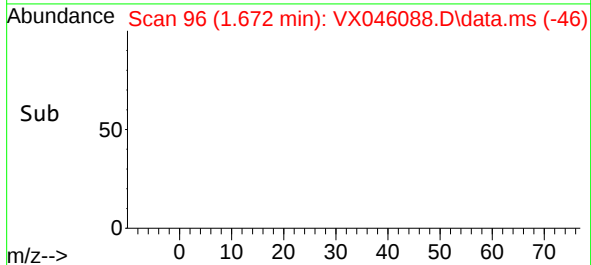
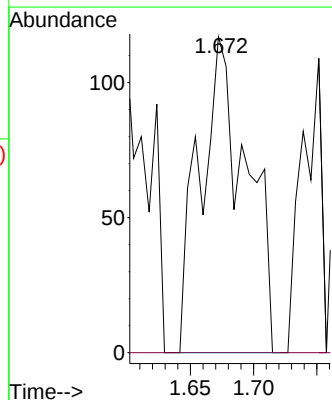
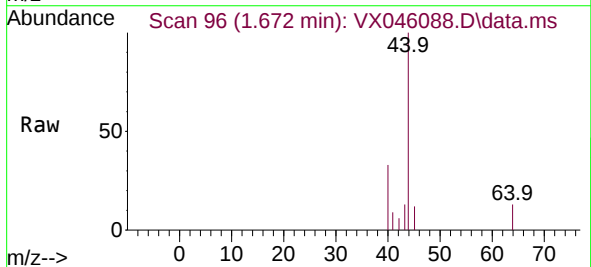
Instrument :
MSVOA_X
ClientSampleId :
MH-M

Tgt Ion:168 Resp: 63440
Ion Ratio Lower Upper
168 100
99 72.6 54.9 82.3



#6
Chloroethane
Concen: 0.641 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046088.D
Acq: 08 May 2025 14:05

Tgt Ion: 64 Resp: 300
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

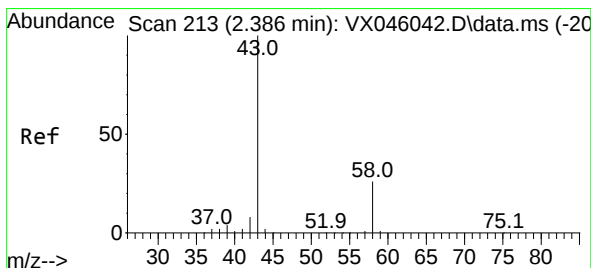
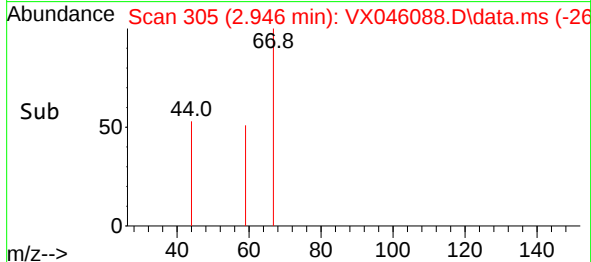
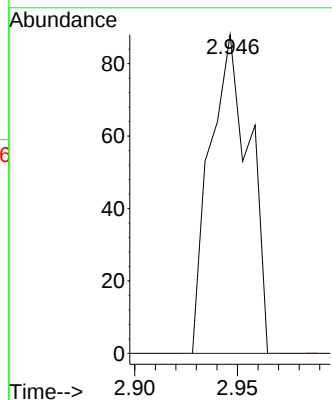
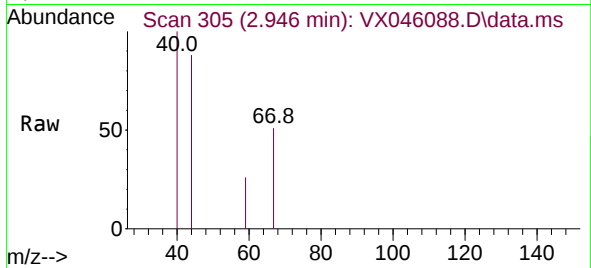




#11
Tert butyl alcohol
Concen: 0.705 ug/l
RT: 2.946 min Scan# 30
Delta R.T. -0.031 min
Lab File: VX046088.D
Acq: 08 May 2025 14:05

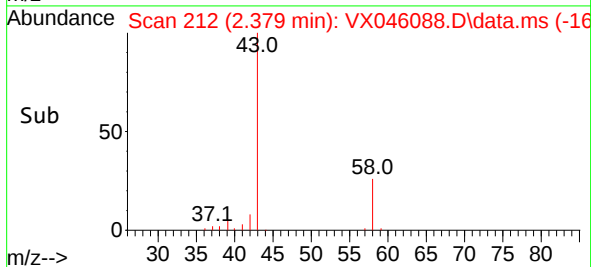
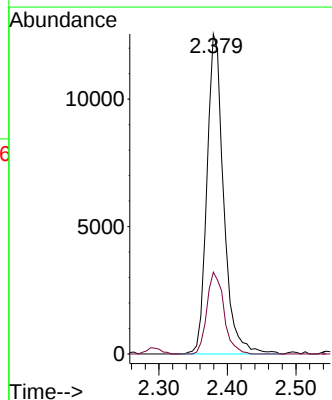
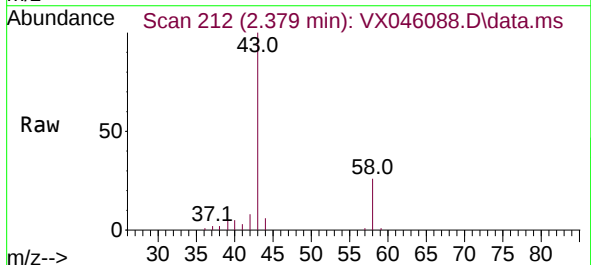
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MSVOA_X
ClientSampleId :
MH-M

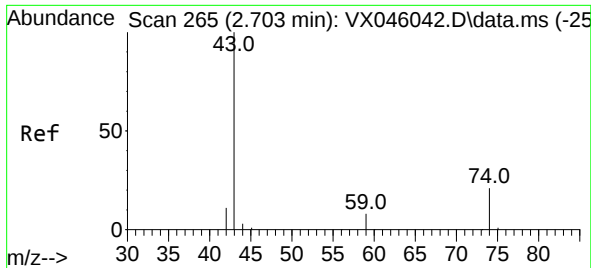
Tgt Ion: 59 Resp: 117
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 44.861 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046088.D
Acq: 08 May 2025 14:05

Tgt Ion: 43 Resp: 21274
Ion Ratio Lower Upper
43 100
58 25.6 21.2 31.8





#18

Methyl Acetate

Concen: 1.680 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX046088.D

Acq: 08 May 2025 14:05

Instrument :

MSVOA_X

ClientSampleId :

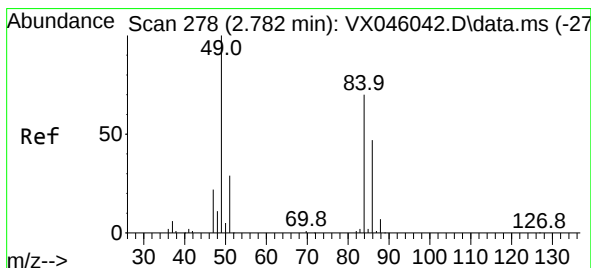
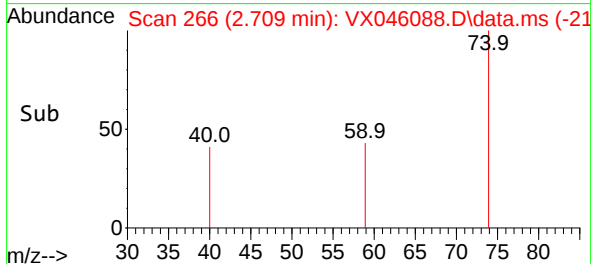
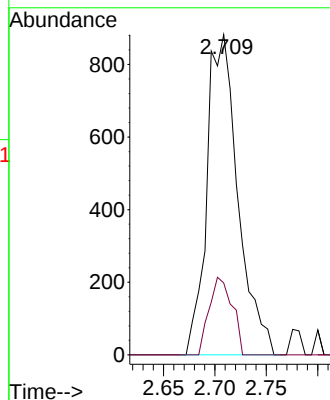
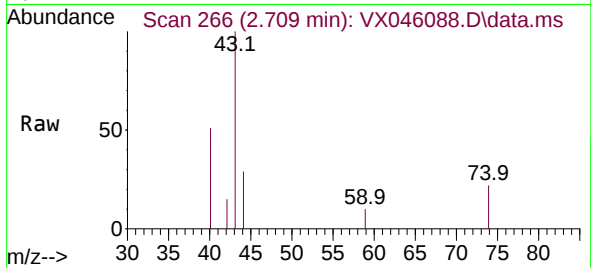
MH-M

Tgt Ion: 43 Resp: 1849

Ion Ratio Lower Upper

43 100

74 18.0 16.7 25.1



#20

Methylene Chloride

Concen: 2.440 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX046088.D

Acq: 08 May 2025 14:05

Tgt Ion: 84 Resp: 2217

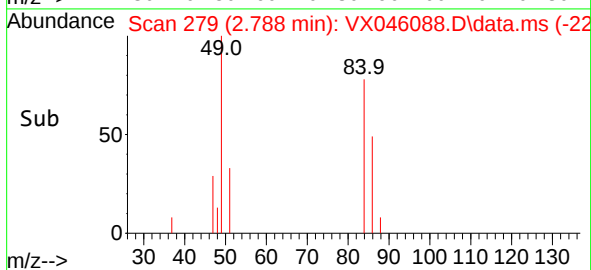
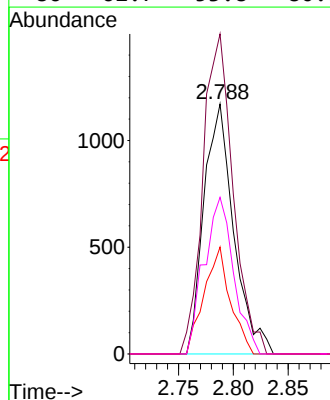
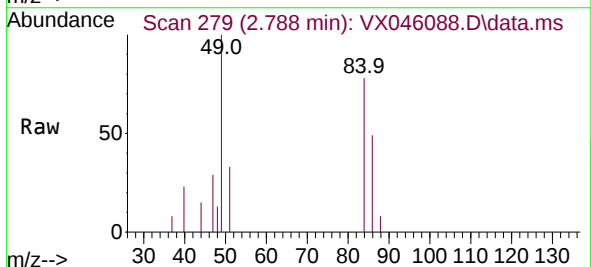
Ion Ratio Lower Upper

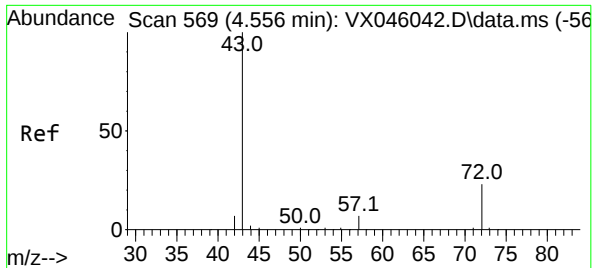
84 100

49 128.0 113.9 170.9

51 42.8 33.5 50.3

86 62.7 53.8 80.8

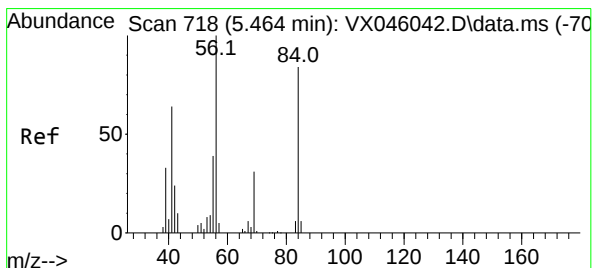
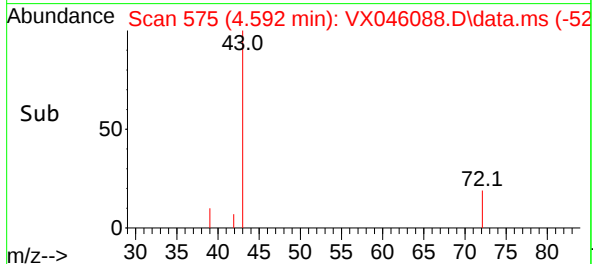
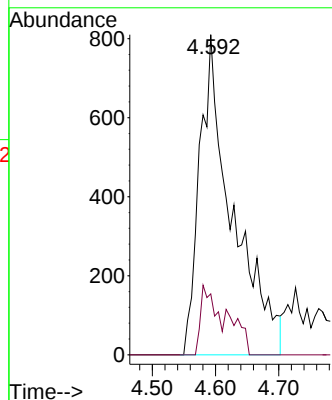
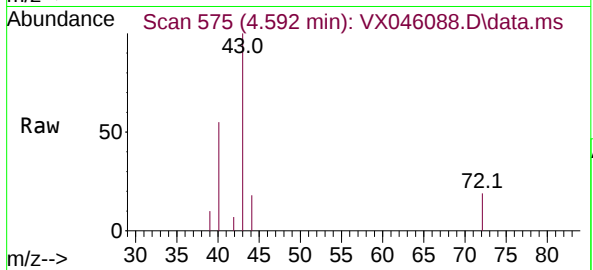




#25
2-Butanone
Concen: 4.241 ug/l
RT: 4.592 min Scan# 51
Delta R.T. 0.036 min
Lab File: VX046088.D
Acq: 08 May 2025 14:05

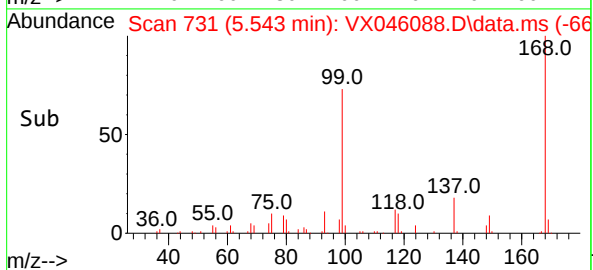
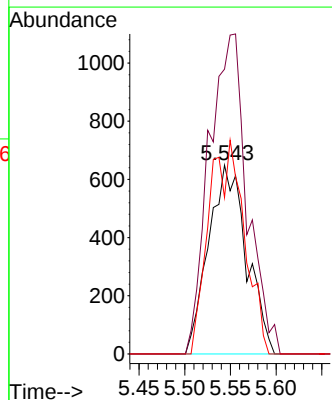
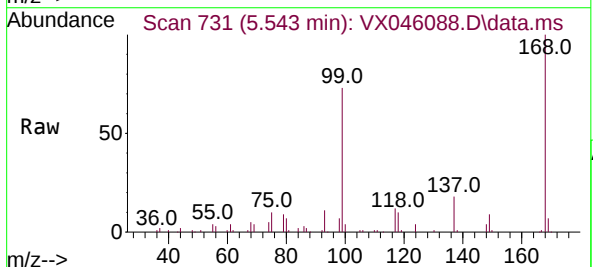
Instrument :
MSVOA_X
ClientSampleId :
MH-M

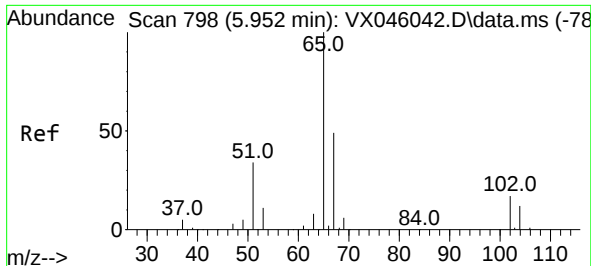
Tgt Ion: 43 Resp: 2920
Ion Ratio Lower Upper
43 100
72 19.0 18.4 27.6



#31
Cyclohexane
Concen: 1.333 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX046088.D
Acq: 08 May 2025 14:05

Tgt Ion: 56 Resp: 1879
Ion Ratio Lower Upper
56 100
69 150.8 24.4 36.6#
84 82.9 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 53.699 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046088.D

Acq: 08 May 2025 14:05

Instrument :

MSVOA_X

ClientSampleId :

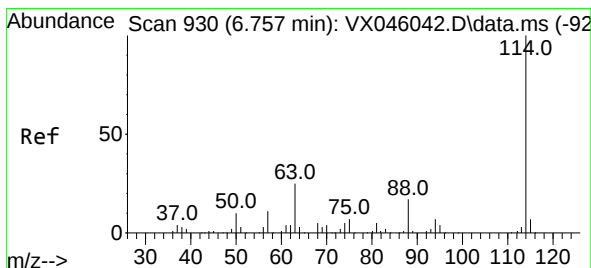
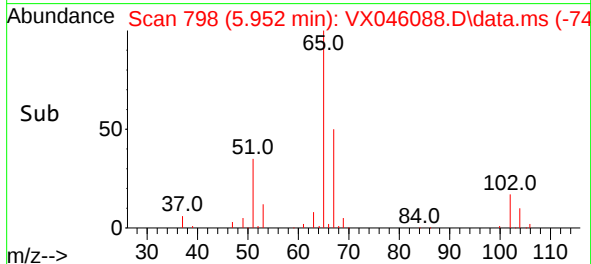
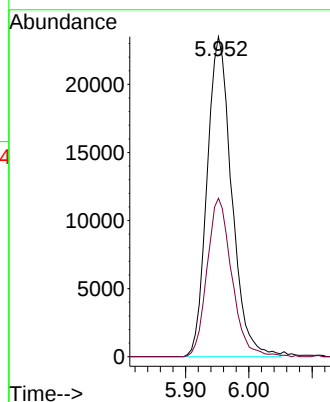
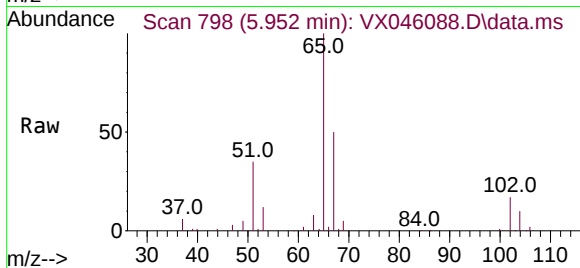
MH-M

Tgt Ion: 65 Resp: 63511

Ion Ratio Lower Upper

65 100

67 49.7 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: VX046088.D

Acq: 08 May 2025 14:05

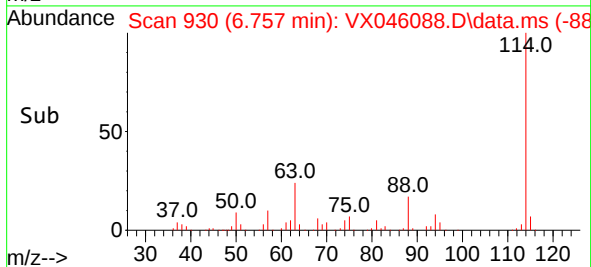
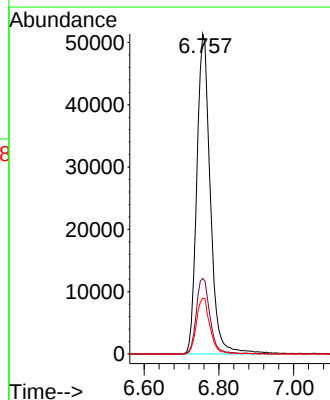
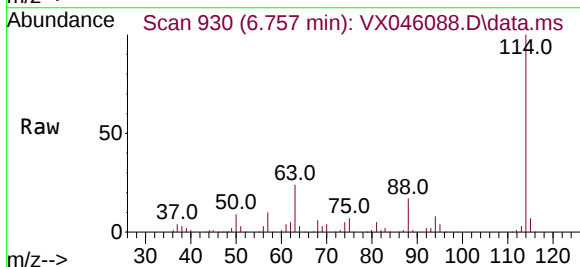
Tgt Ion: 114 Resp: 128683

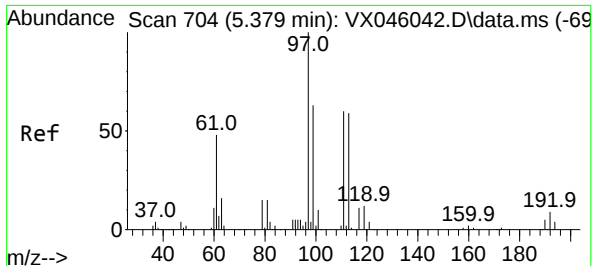
Ion Ratio Lower Upper

114 100

63 23.6 0.0 49.2

88 17.4 0.0 33.6

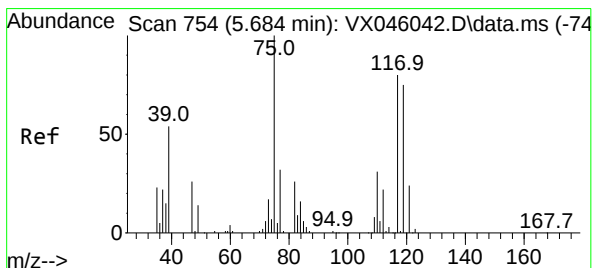
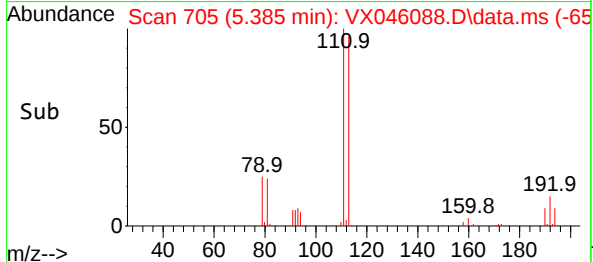
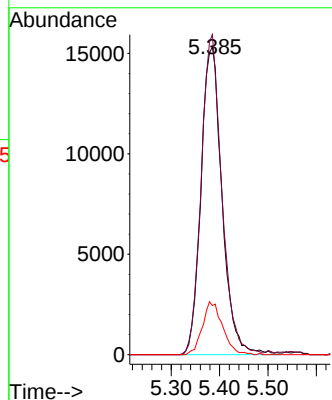
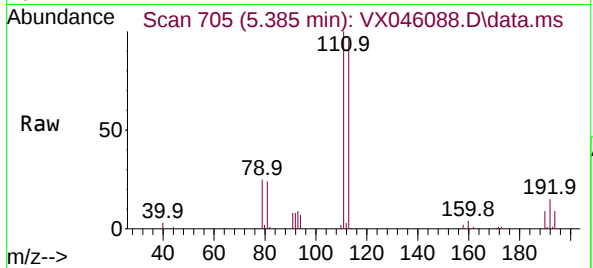




#35
Dibromofluoromethane
Concen: 50.085 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046088.D
Acq: 08 May 2025 14:05

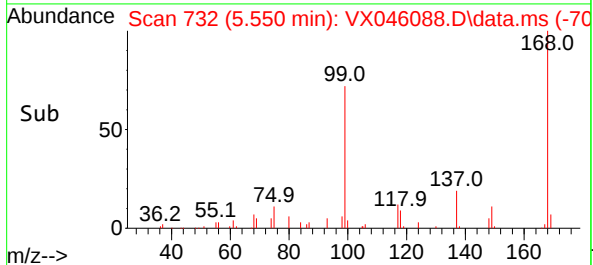
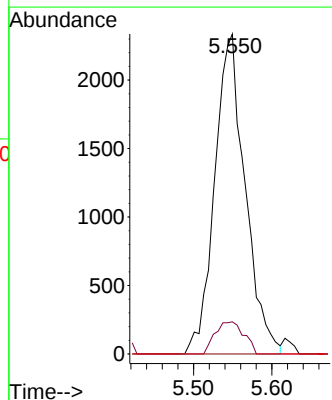
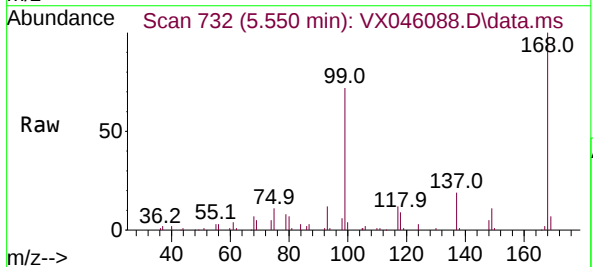
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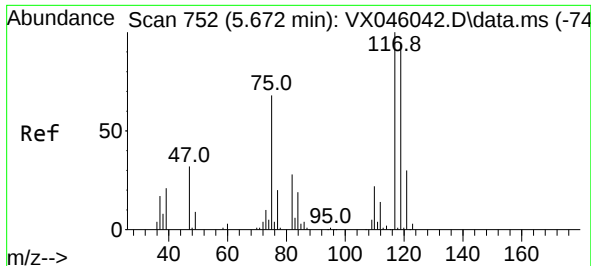
Tgt Ion:113 Resp: 46411
Ion Ratio Lower Upper
113 100
111 101.3 83.1 124.7
192 16.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.058 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046088.D
Acq: 08 May 2025 14:05

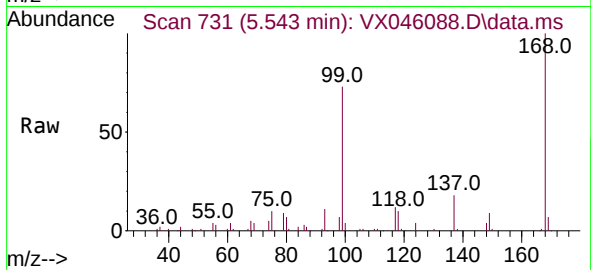
Tgt Ion: 75 Resp: 6298
Ion Ratio Lower Upper
75 100
110 9.5 16.3 48.9#
77 0.0 24.3 36.5#



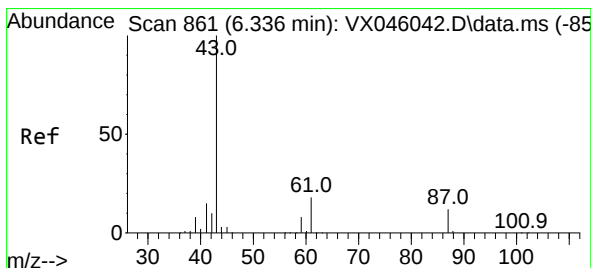
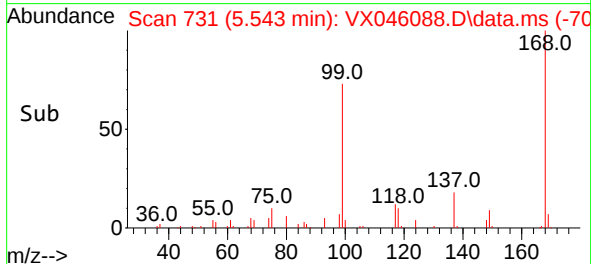
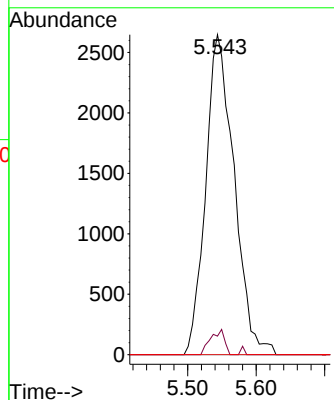


#38
Carbon Tetrachloride
Concen: 5.461 ug/l
RT: 5.543 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX046088.D
Acq: 08 May 2025 14:05

Instrument :
MSVOA_X
ClientSampleId :
MH-M

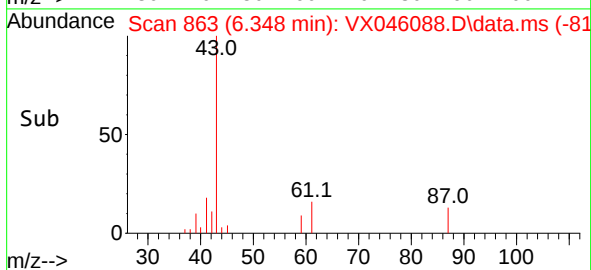
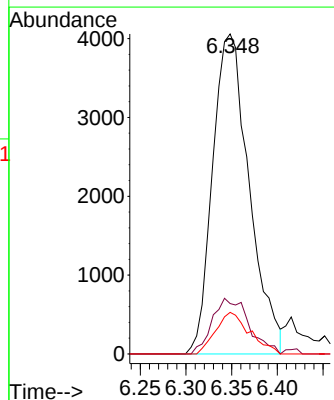
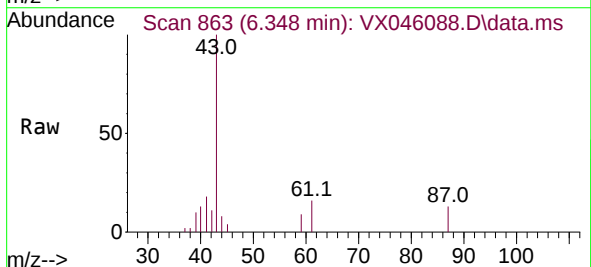


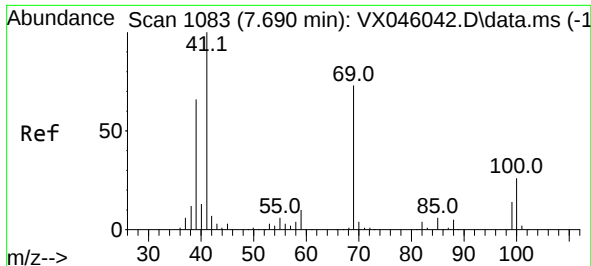
Tgt Ion:117 Resp: 7640
Ion Ratio Lower Upper
117 100
119 5.8 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 4.815 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046088.D
Acq: 08 May 2025 14:05

Tgt Ion: 43 Resp: 11300
Ion Ratio Lower Upper
43 100
61 17.5 14.3 21.5
87 12.1 9.5 14.3





#48

Methyl methacrylate

Concen: 40.756 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.103 min

Lab File: VX046088.D

Acq: 08 May 2025 14:05

Instrument :

MSVOA_X

ClientSampleId :

MH-M

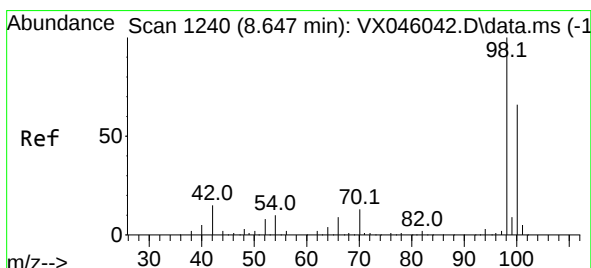
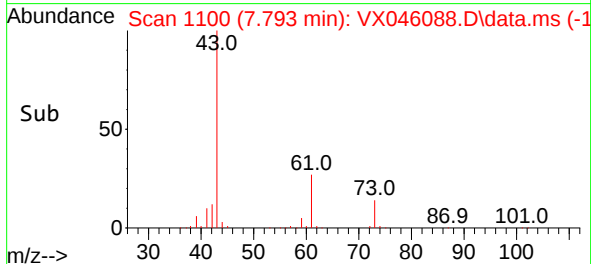
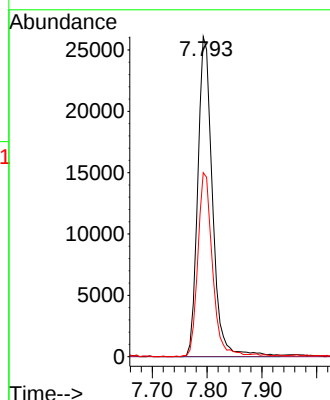
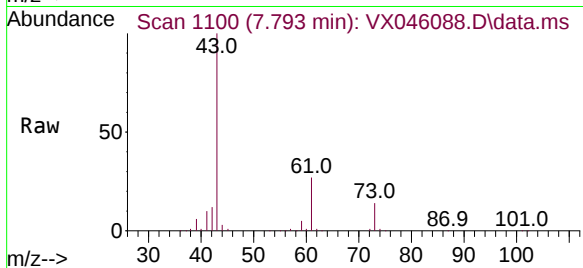
Tgt Ion: 41 Resp: 48845

Ion Ratio Lower Upper

41 100

69 0.0 58.5 87.7#

39 57.0 51.7 77.5



#50

Toluene-d8

Concen: 50.571 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046088.D

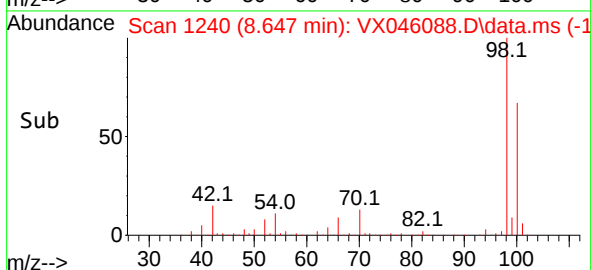
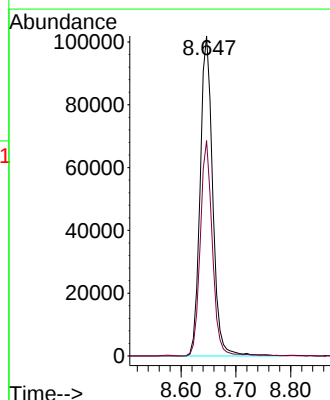
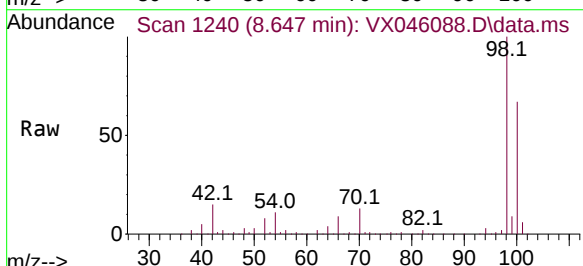
Acq: 08 May 2025 14:05

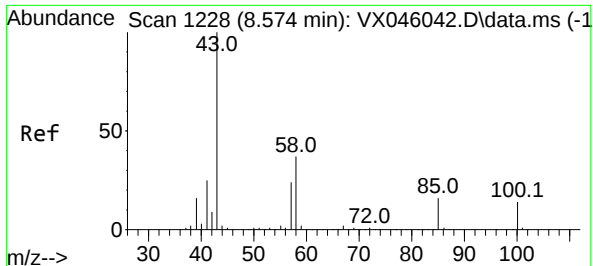
Tgt Ion: 98 Resp: 162194

Ion Ratio Lower Upper

98 100

100 65.1 53.5 80.3

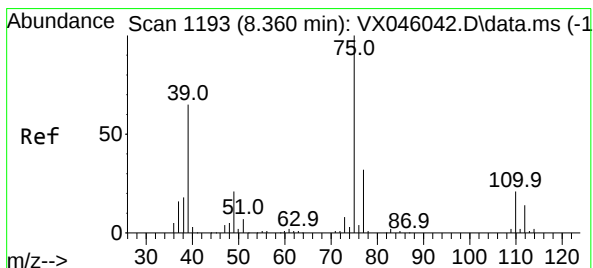
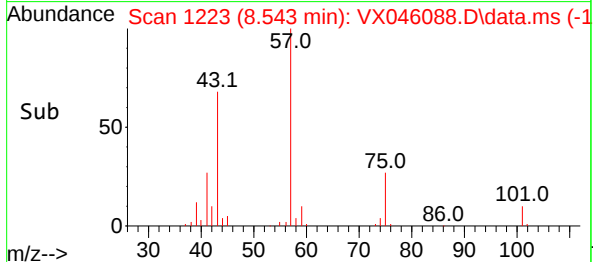
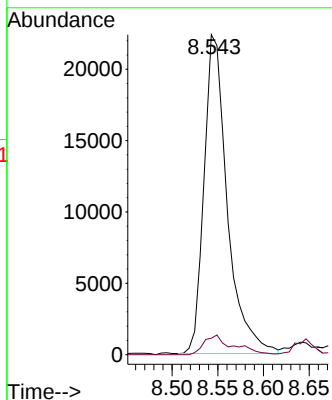
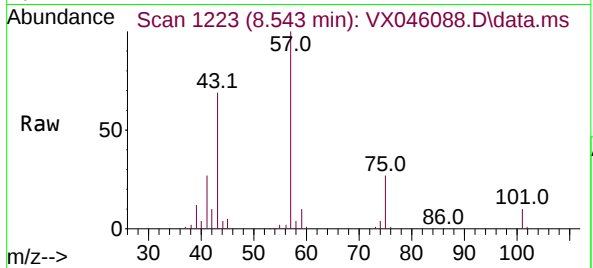




#51
4-Methyl-2-Pentanone
Concen: 25.399 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX046088.D
Acq: 08 May 2025 14:05

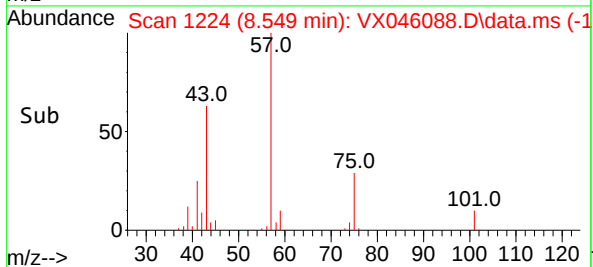
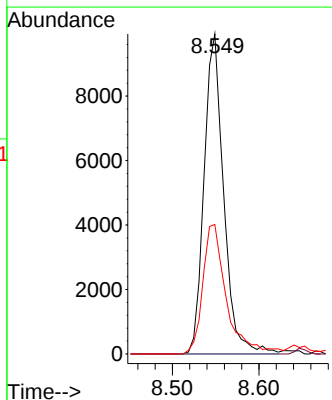
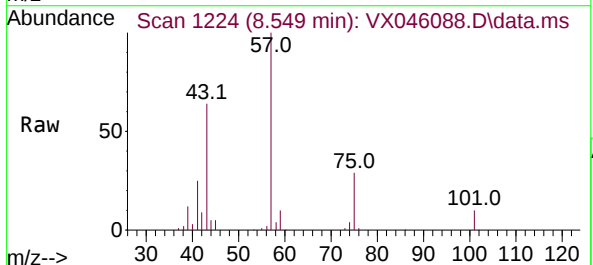
Instrument :
MSVOA_X
ClientSampleId :
MH-M

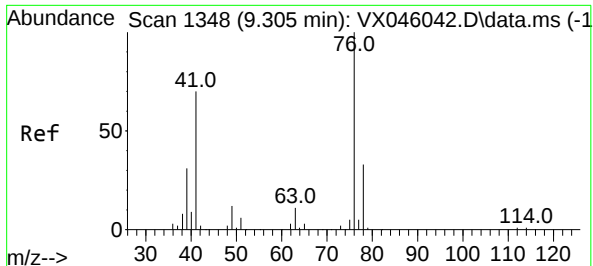
Tgt Ion: 43 Resp: 39565
Ion Ratio Lower Upper
43 100
58 7.7 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 11.265 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046088.D
Acq: 08 May 2025 14:05

Tgt Ion: 75 Resp: 15590
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 40.4 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.902 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX046088.D

Acq: 08 May 2025 14:05

Instrument :

MSVOA_X

ClientSampleId :

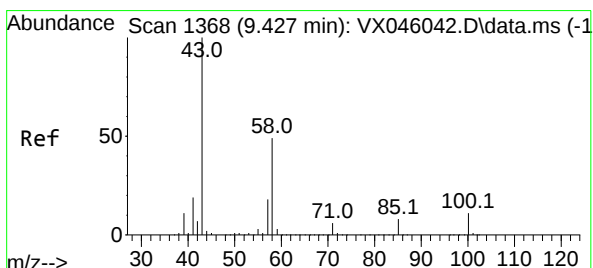
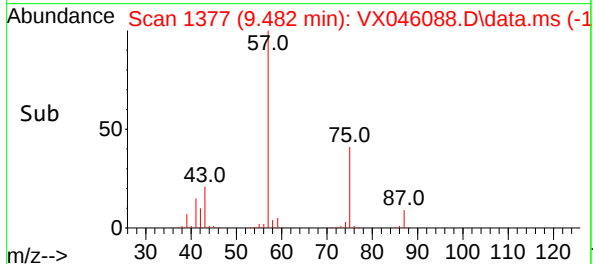
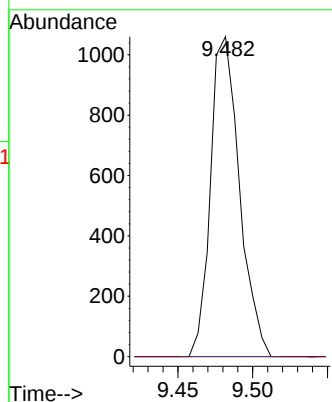
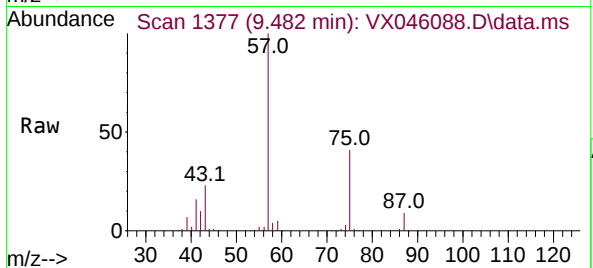
MH-M

Tgt Ion: 76 Resp: 1429

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 10.628 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX046088.D

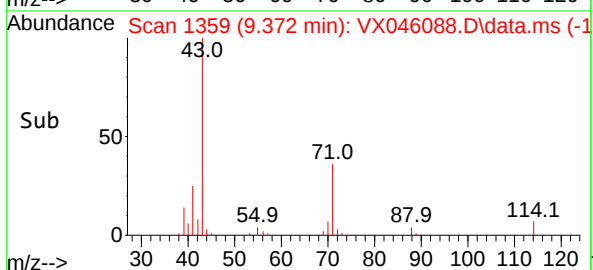
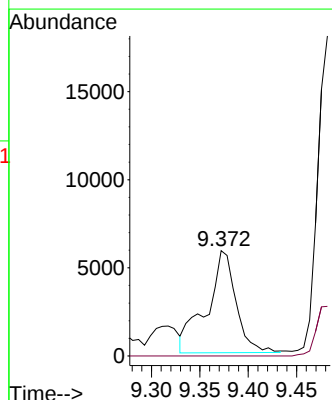
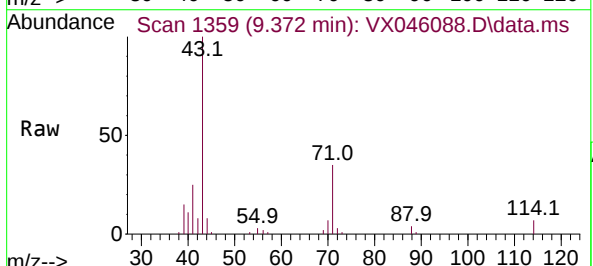
Acq: 08 May 2025 14:05

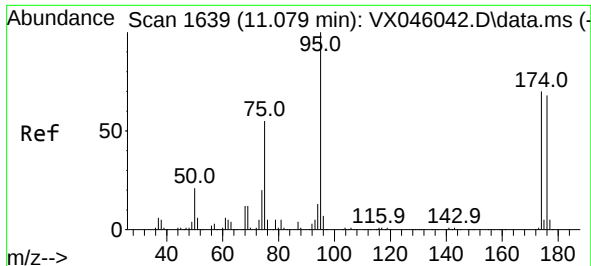
Tgt Ion: 43 Resp: 12248

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 49.853 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046088.D

Acq: 08 May 2025 14:05

Instrument :

MSVOA_X

ClientSampleId :

MH-M

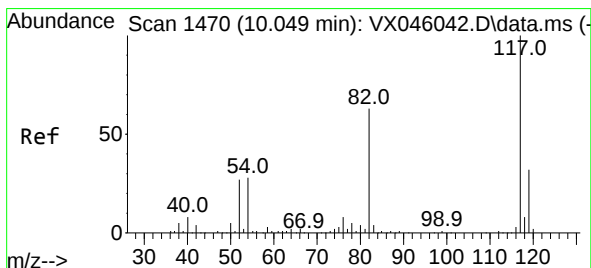
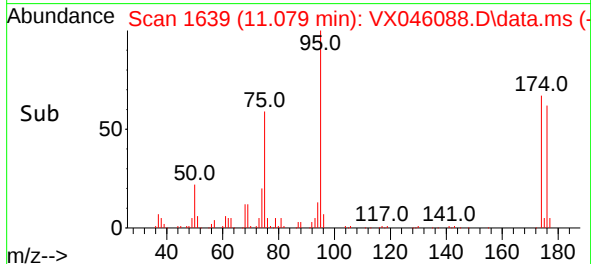
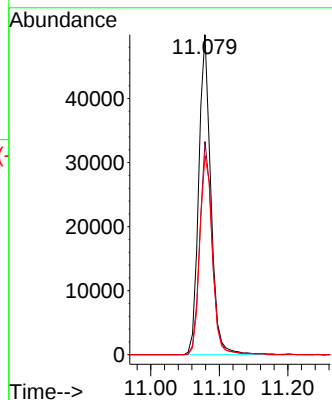
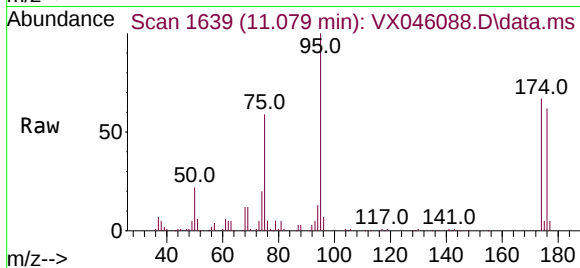
Tgt Ion: 95 Resp: 61332

Ion Ratio Lower Upper

95 100

174 68.0 0.0 135.8

176 65.3 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: VX046088.D

Acq: 08 May 2025 14:05

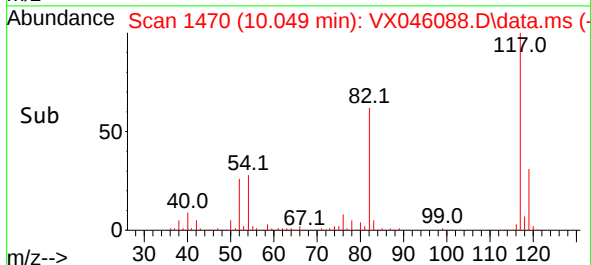
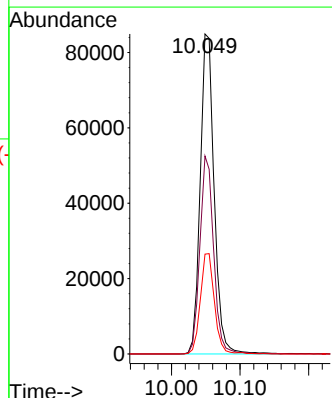
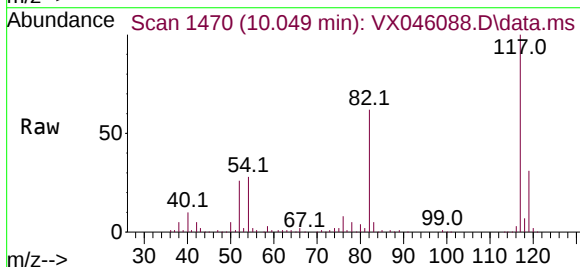
Tgt Ion: 117 Resp: 120464

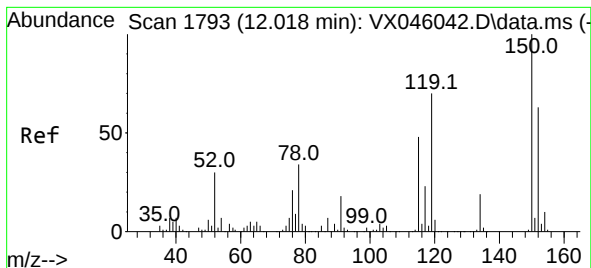
Ion Ratio Lower Upper

117 100

82 61.9 50.6 76.0

119 31.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046088.D

Acq: 08 May 2025 14:05

Instrument :

MSVOA_X

ClientSampleId :

MH-M

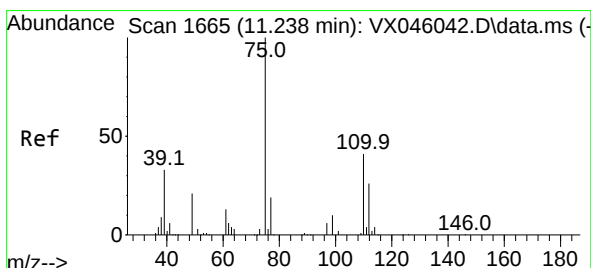
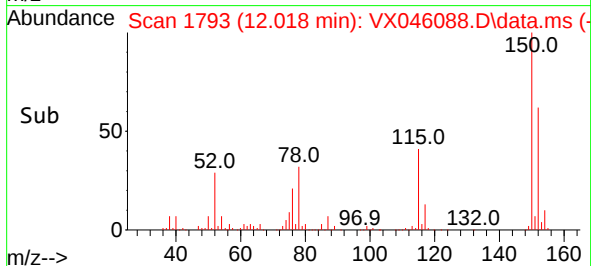
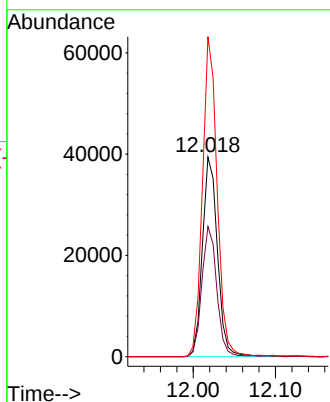
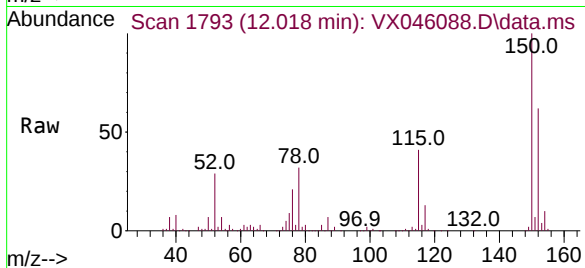
Tgt Ion:152 Resp: 50153

Ion Ratio Lower Upper

152 100

115 64.7 46.9 140.7

150 157.2 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 29.094 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046088.D

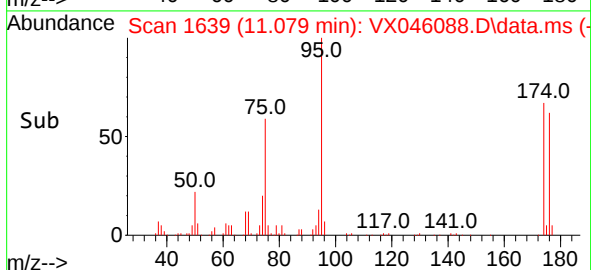
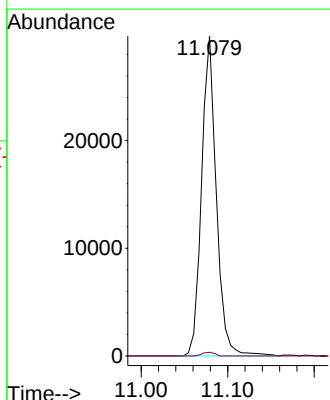
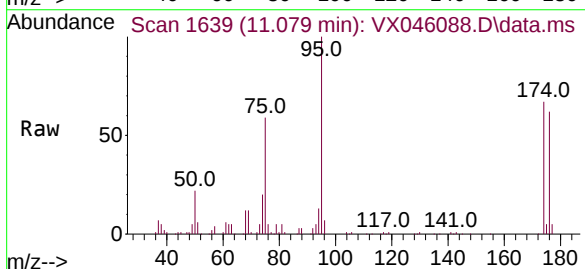
Acq: 08 May 2025 14:05

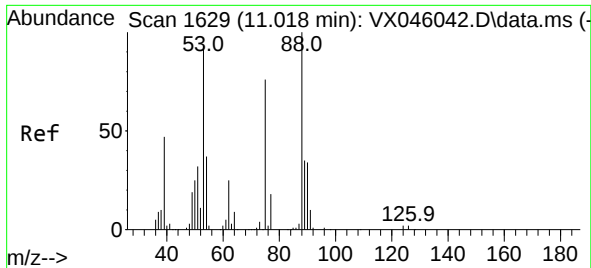
Tgt Ion: 75 Resp: 35123

Ion Ratio Lower Upper

75 100

77 1.0 20.5 61.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 94.722 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046088.D
Acq: 08 May 2025 14:05

Instrument :
MSVOA_X
ClientSampleId :
MH-M

Tgt Ion: 75 Resp: 35123
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

