

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046689.D
 Acq On : 13 Jun 2025 15:14
 Operator : JC/MD
 Sample : Q2295-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP01-MH1-WC

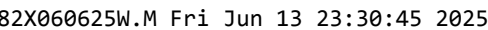
Quant Time: Jun 13 23:30:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	97888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	176870	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	160751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	78630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	81799	46.970	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.940%		
35) Dibromofluoromethane	5.403	113	60493	46.508	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.020%		
50) Toluene-d8	8.653	98	220767	51.482	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.960%		
62) 4-Bromofluorobenzene	11.079	95	84485	47.618	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.240%		
Target Compounds						Qvalue
6) Chloroethane	1.776	64	351	0.439	ug/l	95
8) Diethyl Ether	2.154	74	520	0.721	ug/l	66
10) Methyl Iodide	2.477	142	413	0.296	ug/l #	90
11) Tert butyl alcohol	2.965	59	60	0.310	ug/l #	72
16) Acetone	2.392	43	14289	25.104	ug/l	94
17) Carbon Disulfide	2.538	76	954	0.587	ug/l #	76
18) Methyl Acetate	2.721	43	10352	4.990	ug/l	97
20) Methylene Chloride	2.806	84	3544	2.537	ug/l	88
25) 2-Butanone	4.623	43	1779	1.835	ug/l #	78
31) Cyclohexane	5.562	56	2451	1.211	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	9037	4.864	ug/l #	52
37) Ethyl Acetate	4.745	43	5676	3.130	ug/l	95
38) Carbon Tetrachloride	5.562	117	11601	5.575	ug/l #	16
43) Isopropyl Acetate	6.367	43	4570	1.446	ug/l	94
48) Methyl methacrylate	7.799	41	42349	26.037	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	56250	28.001	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	24062	11.558	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	1672	0.733	ug/l #	42
59) 2-Hexanone	9.482	43	26485	18.383	ug/l #	55
74) N-amyl acetate	10.640	43	8568	3.148	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	44229	26.556	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	44229	76.605	ug/l #	1

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

Quant Time: Jun 13 23:30:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
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QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

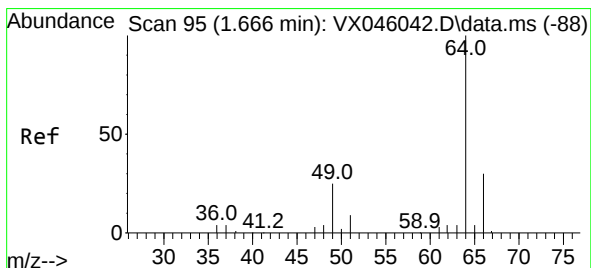
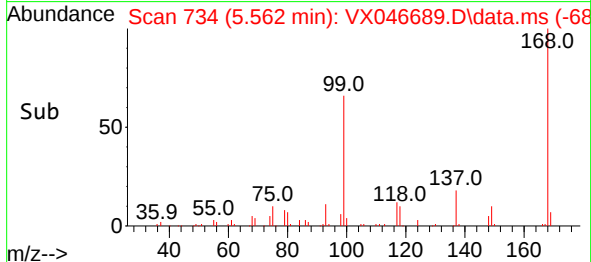
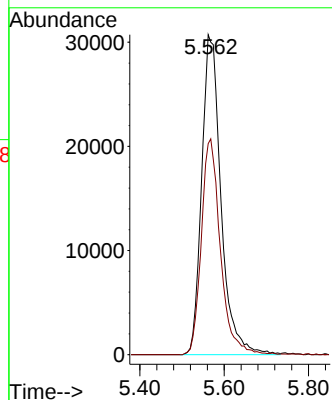
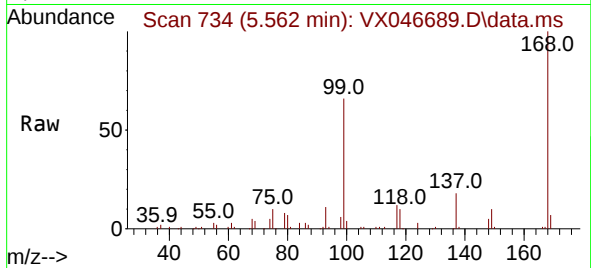




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

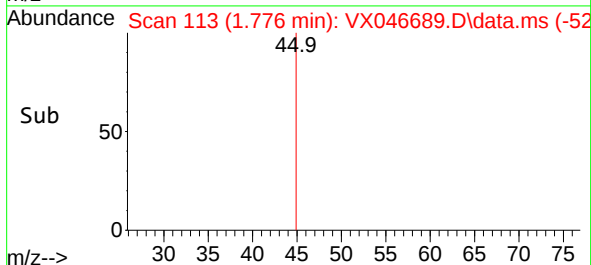
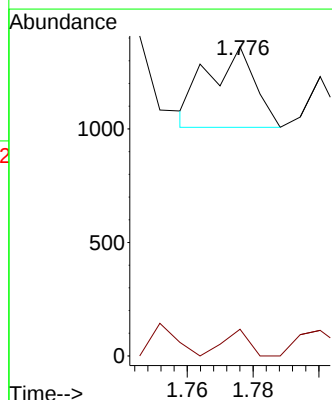
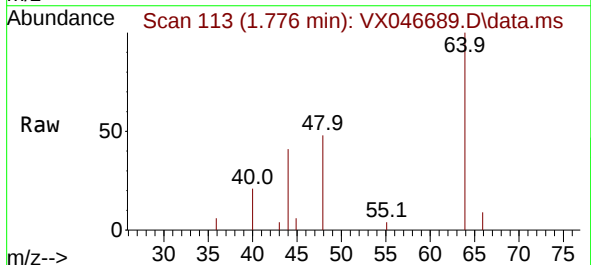
Instrument :
MSVOA_X
ClientSampleId :
TP01-MH1-WC

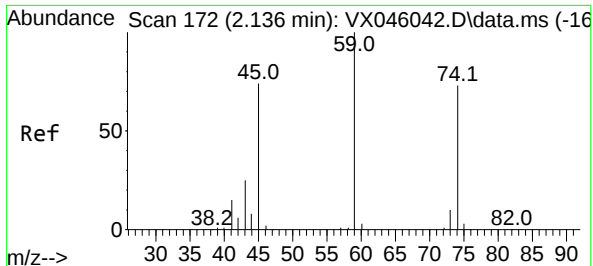
Tgt Ion:168 Resp: 97888
Ion Ratio Lower Upper
168 100
99 65.9 54.9 82.3



#6
Chloroethane
Concen: 0.439 ug/l
RT: 1.776 min Scan# 113
Delta R.T. 0.073 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

Tgt Ion: 64 Resp: 351
Ion Ratio Lower Upper
64 100
66 33.3 24.3 36.5

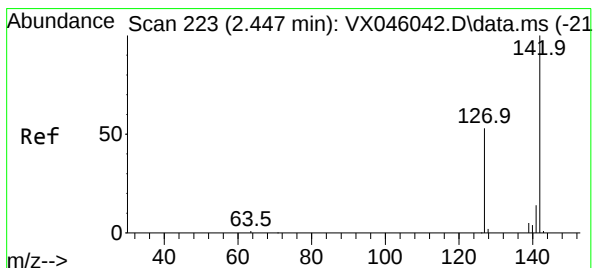
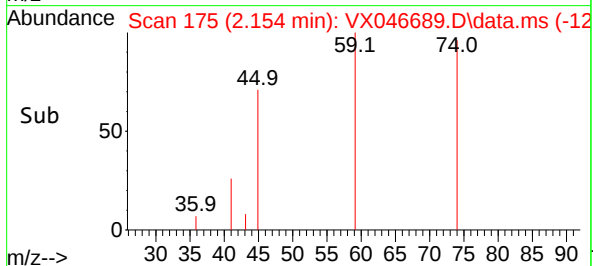
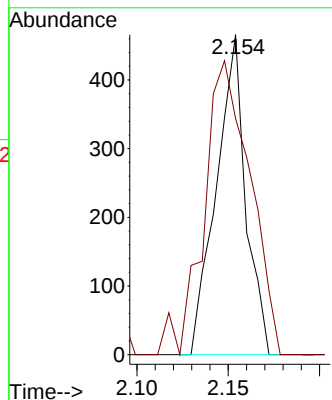
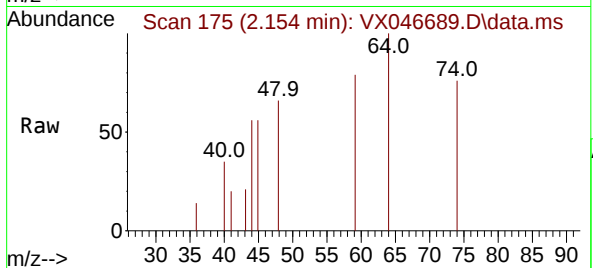




#8
Diethyl Ether
Concen: 0.721 ug/l
RT: 2.154 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

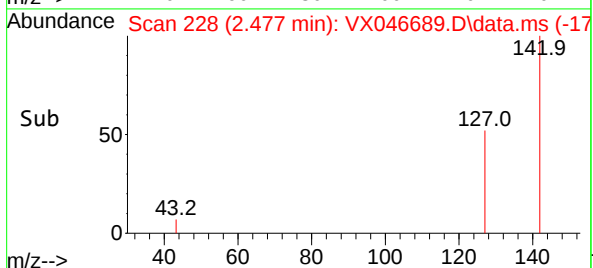
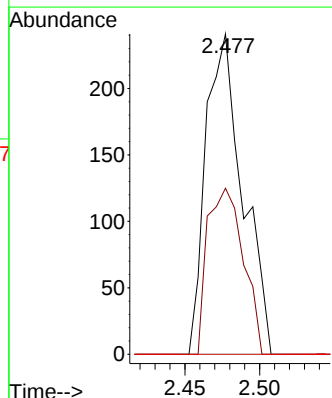
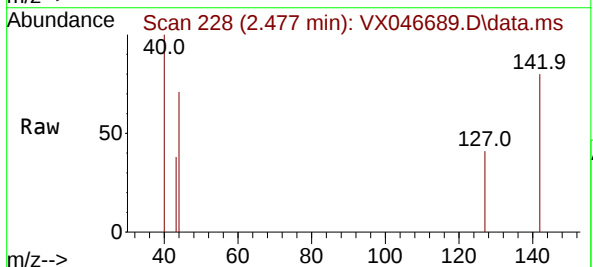
Instrument :
MSVOA_X
ClientSampleId :
TP01-MH1-WC

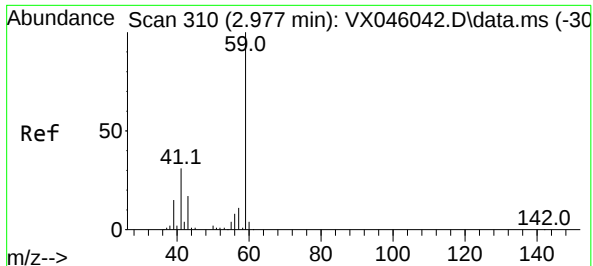
Tgt Ion: 74 Resp: 520
Ion Ratio Lower Upper
74 100
45 145.6 54.9 164.8



#10
Methyl Iodide
Concen: 0.296 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

Tgt Ion: 142 Resp: 413
Ion Ratio Lower Upper
142 100
127 50.4 41.7 62.5
141 0.0 11.5 17.3#





#11

Tert butyl alcohol

Concen: 0.310 ug/l

RT: 2.965 min Scan# 30

Delta R.T. -0.006 min

Lab File: VX046689.D

Acq: 13 Jun 2025 15:14

Instrument :

MSVOA_X

ClientSampleId :

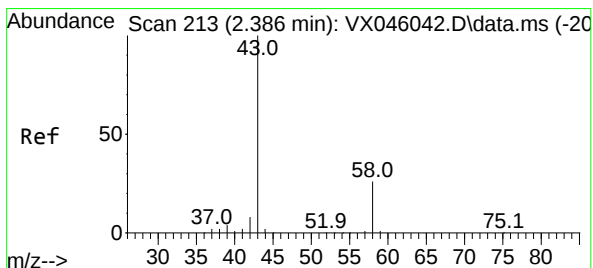
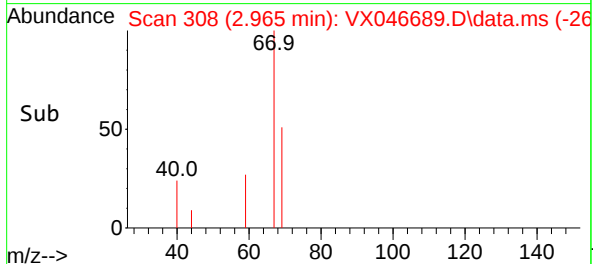
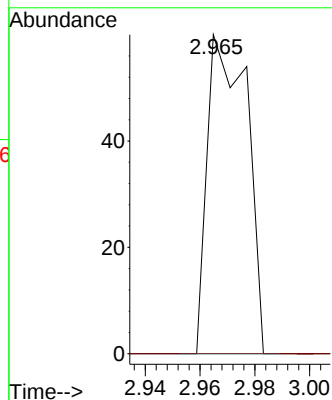
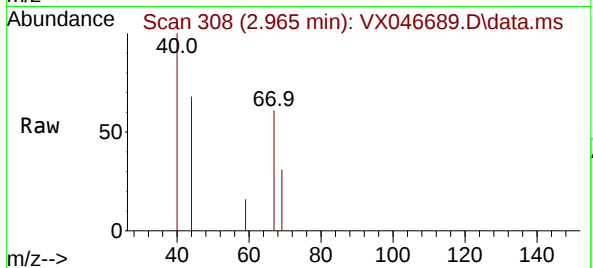
TP01-MH1-WC

Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#16

Acetone

Concen: 25.104 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX046689.D

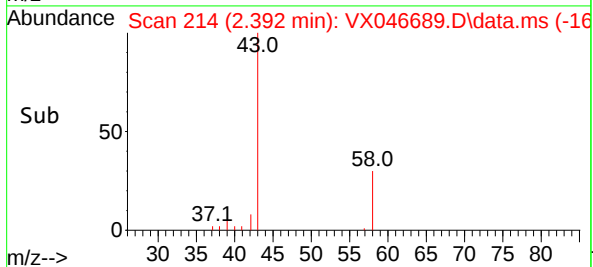
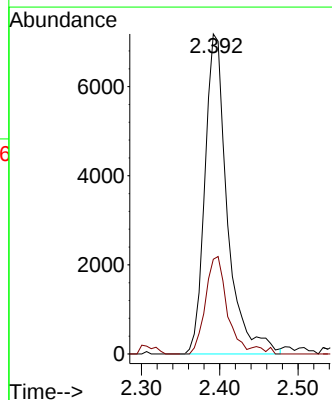
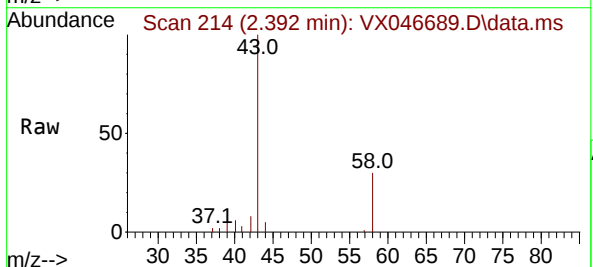
Acq: 13 Jun 2025 15:14

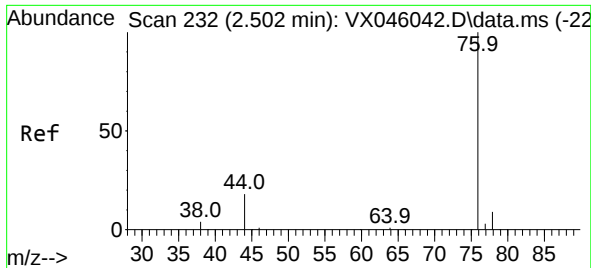
Tgt Ion: 43 Resp: 14289

Ion Ratio Lower Upper

43 100

58 29.6 21.2 31.8

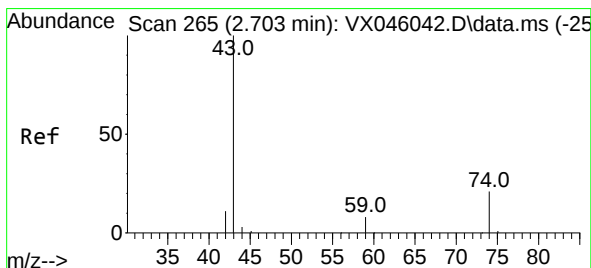
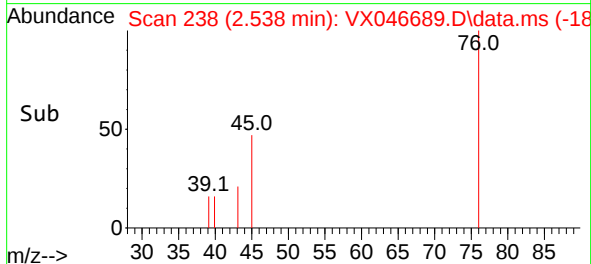
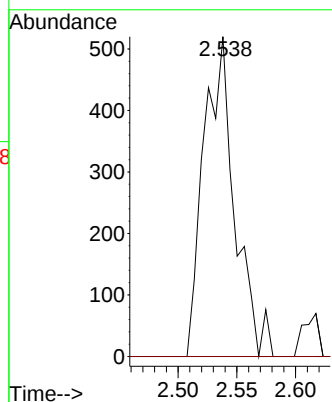
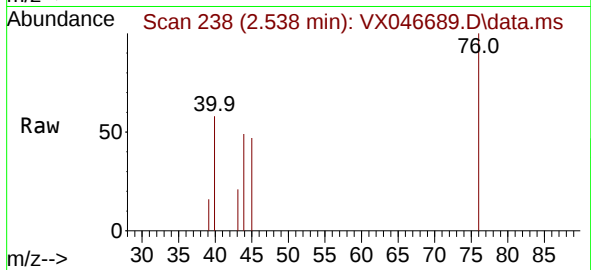




#17
Carbon Disulfide
Concen: 0.587 ug/l
RT: 2.538 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

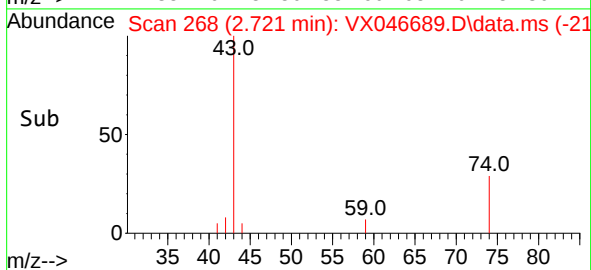
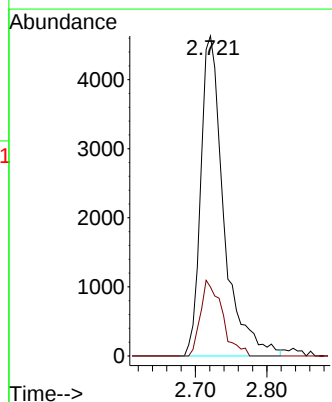
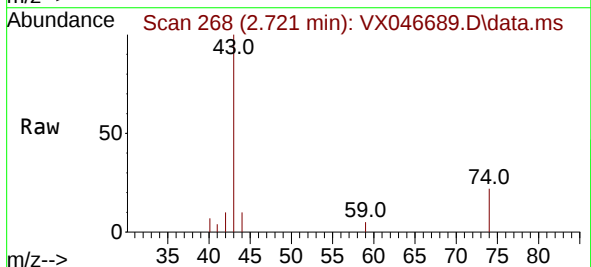
Instrument :
MSVOA_X
ClientSampleId :
TP01-MH1-WC

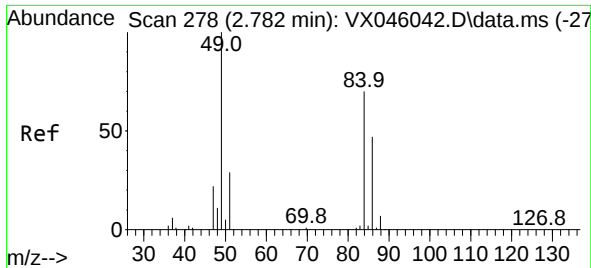
Tgt Ion: 76 Resp: 954
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 4.990 ug/l
RT: 2.721 min Scan# 268
Delta R.T. -0.000 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

Tgt Ion: 43 Resp: 10352
Ion Ratio Lower Upper
43 100
74 22.3 16.7 25.1

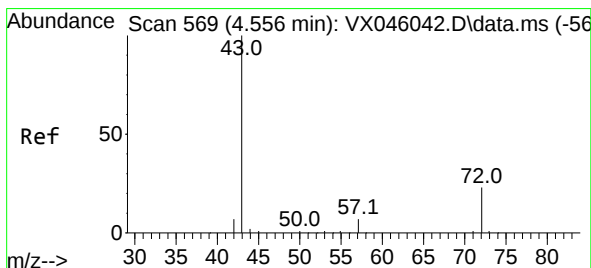
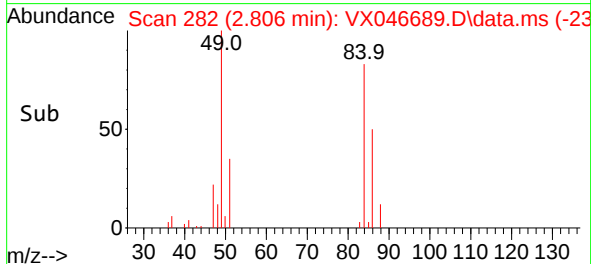
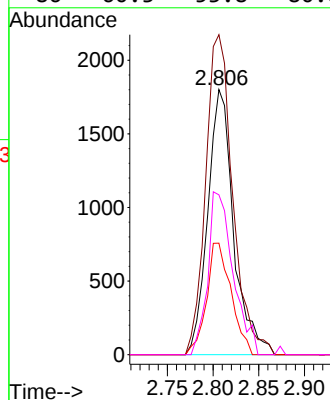
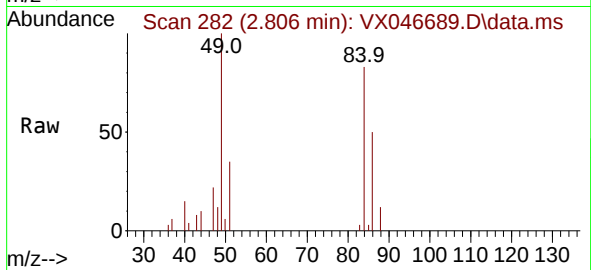




#20
Methylene Chloride
Concen: 2.537 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

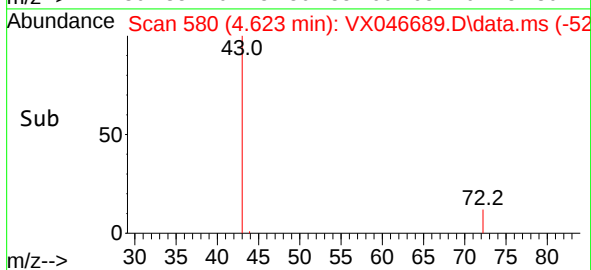
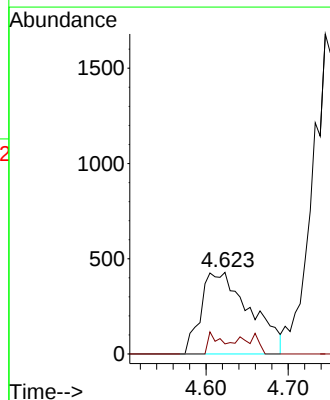
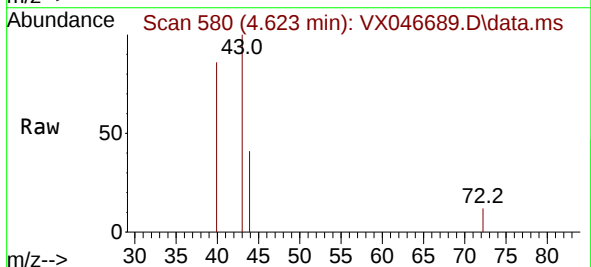
Instrument :
MSVOA_X
ClientSampleId :
TP01-MH1-WC

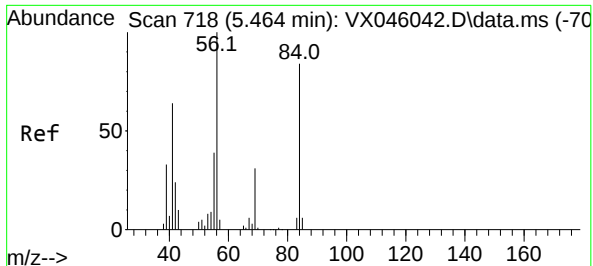
Tgt Ion:	84	Resp:	3544
Ion	Ratio	Lower	Upper
84	100		
49	120.7	113.9	170.9
51	42.1	33.5	50.3
86	60.3	53.8	80.8



#25
2-Butanone
Concen: 1.835 ug/l
RT: 4.623 min Scan# 580
Delta R.T. 0.049 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

Tgt Ion:	43	Resp:	1779
Ion	Ratio	Lower	Upper
43	100		
72	12.4	18.4	27.6#

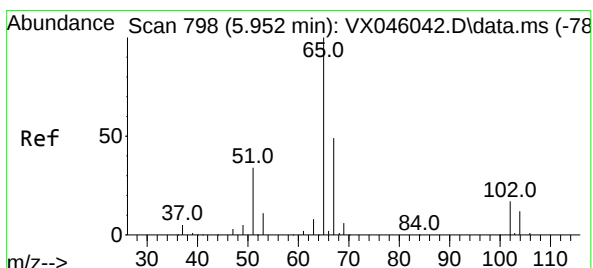
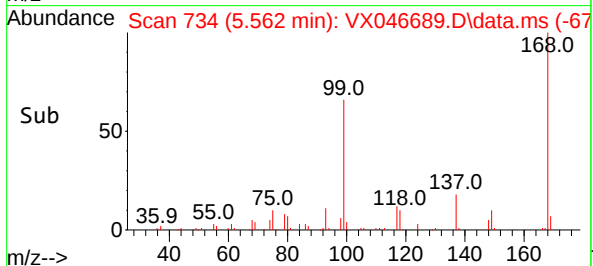
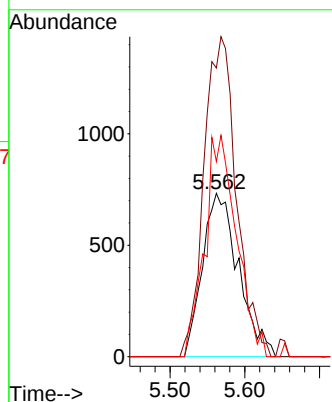
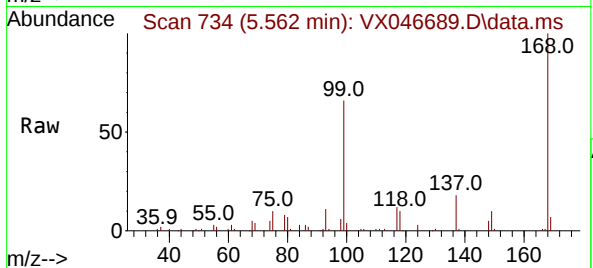




#31
Cyclohexane
Concen: 1.211 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

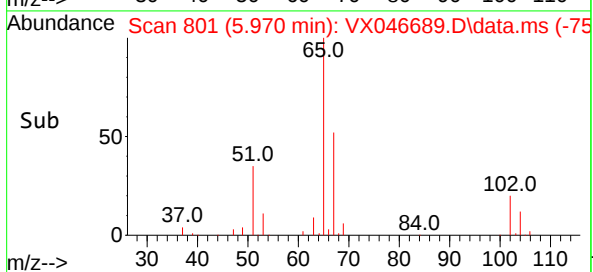
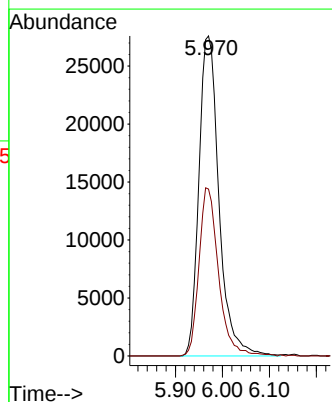
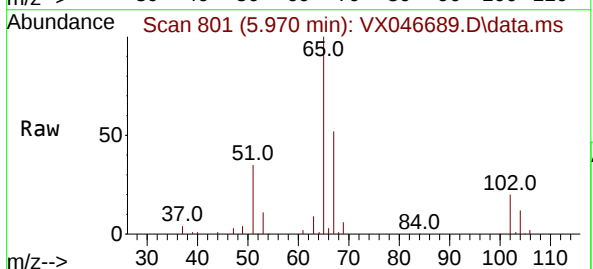
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ClientSampleId :
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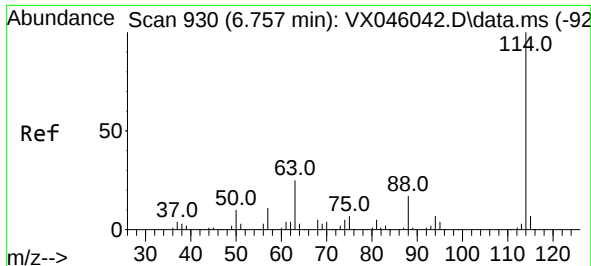
Tgt Ion: 56 Resp: 2451
Ion Ratio Lower Upper
56 100
69 176.7 24.4 36.6#
84 119.5 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 46.970 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.000 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

Tgt Ion: 65 Resp: 81799
Ion Ratio Lower Upper
65 100
67 51.3 0.0 99.0

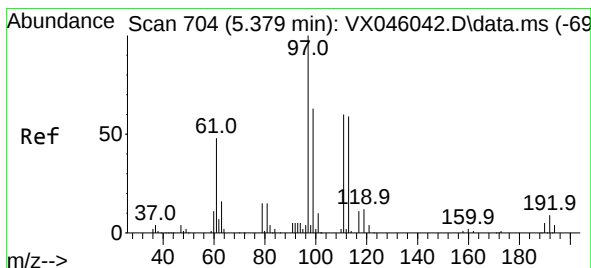
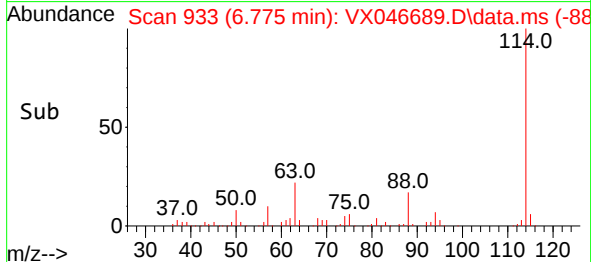
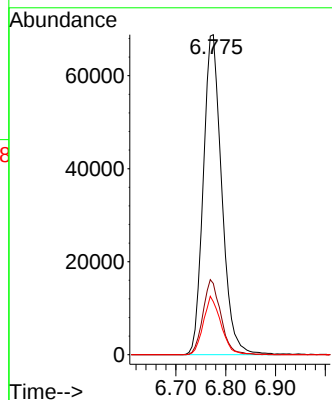
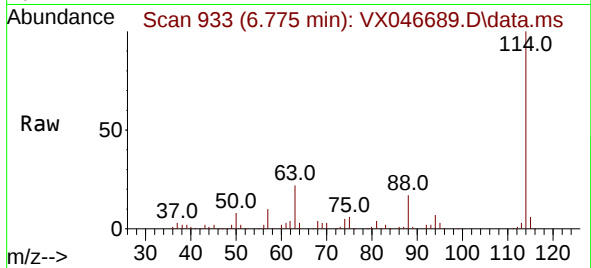




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

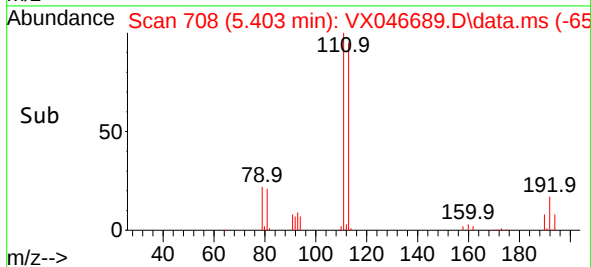
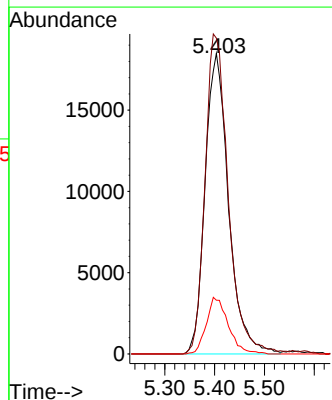
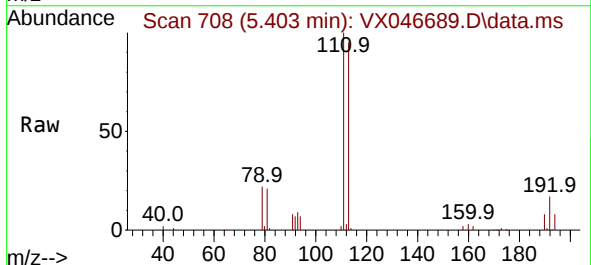
Instrument :
MSVOA_X
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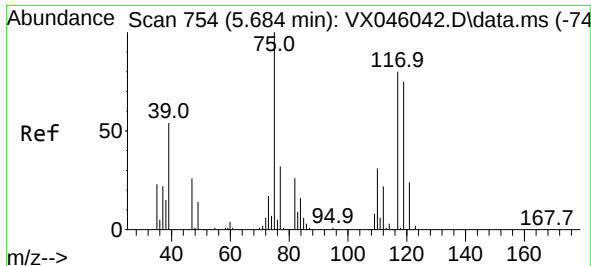
Tgt Ion:114 Resp: 176870
Ion Ratio Lower Upper
114 100
63 22.3 0.0 49.2
88 16.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 46.508 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.000 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

Tgt Ion:113 Resp: 60493
Ion Ratio Lower Upper
113 100
111 105.1 83.1 124.7
192 17.6 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.864 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.152 min

Lab File: VX046689.D

Acq: 13 Jun 2025 15:14

Instrument :

MSVOA_X

ClientSampleId :

TP01-MH1-WC

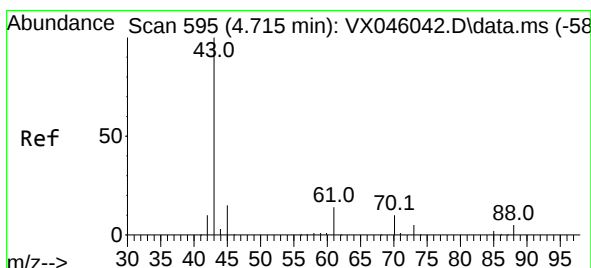
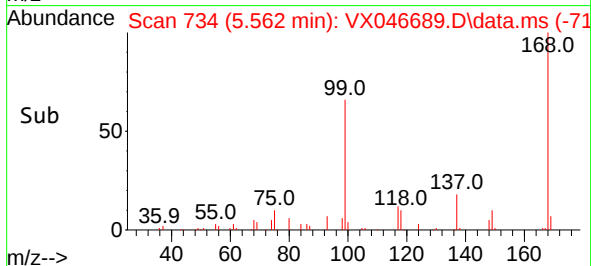
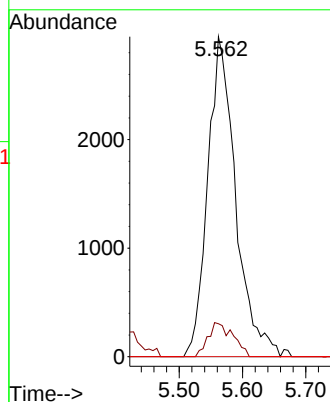
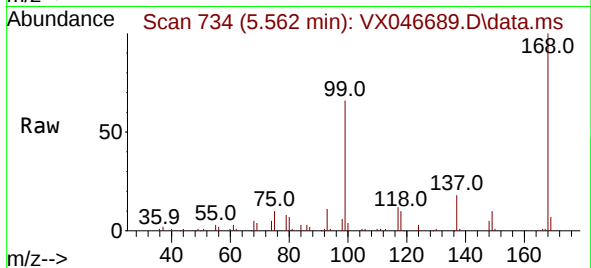
Tgt Ion: 75 Resp: 9037

Ion Ratio Lower Upper

75 100

110 9.5 16.3 48.9#

77 0.0 24.3 36.5#



#37

Ethyl Acetate

Concen: 3.130 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.012 min

Lab File: VX046689.D

Acq: 13 Jun 2025 15:14

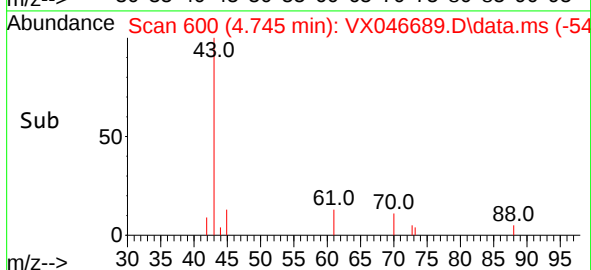
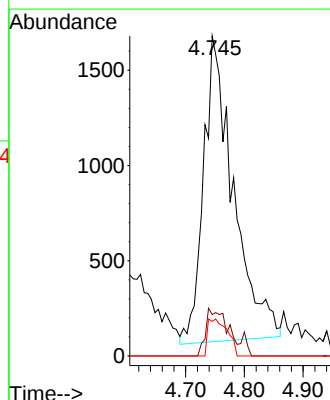
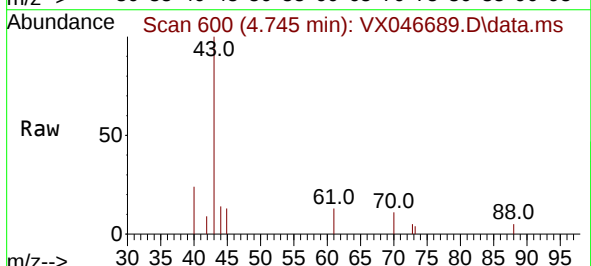
Tgt Ion: 43 Resp: 5676

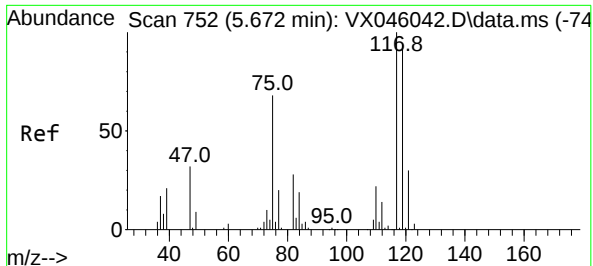
Ion Ratio Lower Upper

43 100

61 11.2 10.3 15.5

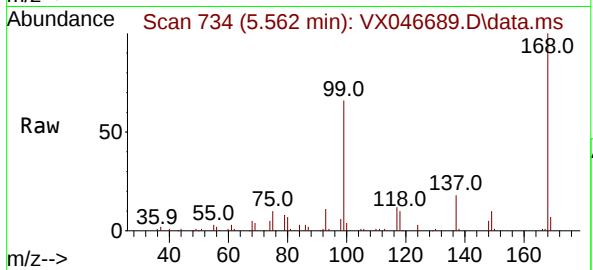
70 8.0 7.9 11.9



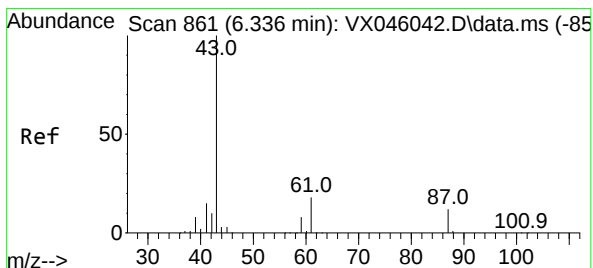
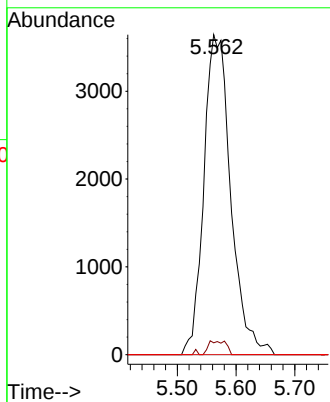
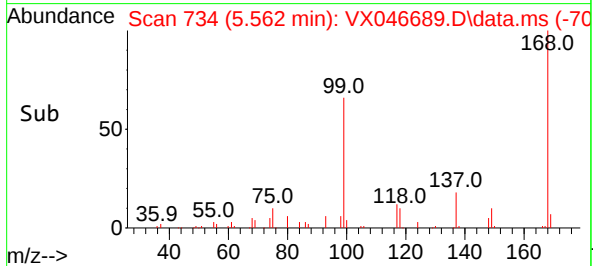


#38
Carbon Tetrachloride
Concen: 5.575 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

Instrument :
MSVOA_X
ClientSampleId :
TP01-MH1-WC

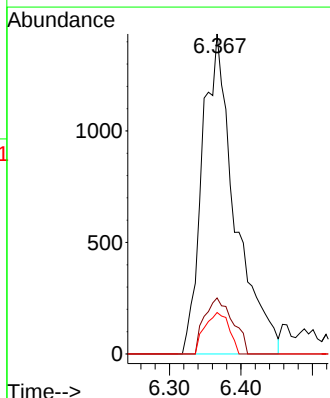
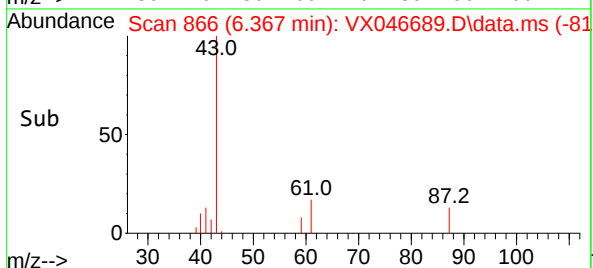
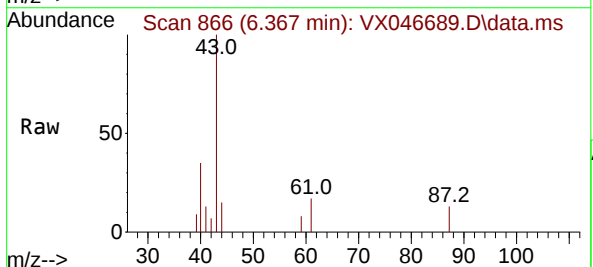


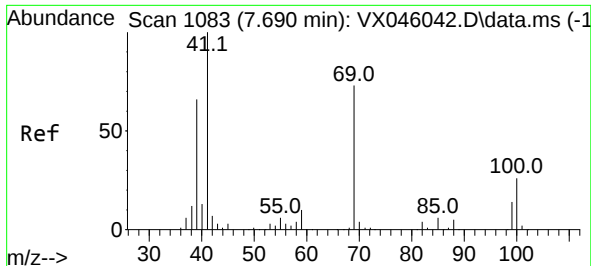
Tgt Ion:117 Resp: 11601
Ion Ratio Lower Upper
117 100
119 3.7 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 1.446 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.013 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

Tgt Ion: 43 Resp: 4570
Ion Ratio Lower Upper
43 100
61 15.1 14.3 21.5
87 9.6 9.5 14.3





#48

Methyl methacrylate

Concen: 26.037 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.097 min

Lab File: VX046689.D

Acq: 13 Jun 2025 15:14

Instrument :

MSVOA_X

ClientSampleId :

TP01-MH1-WC

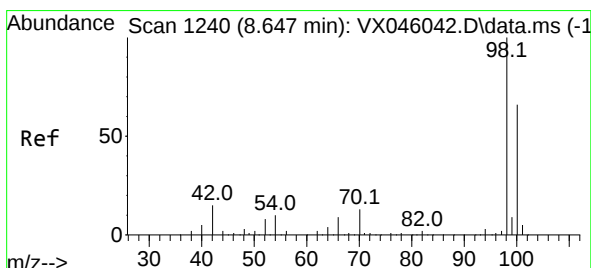
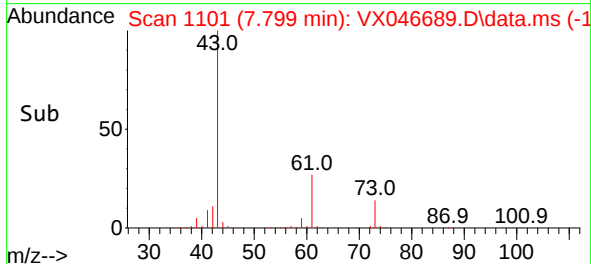
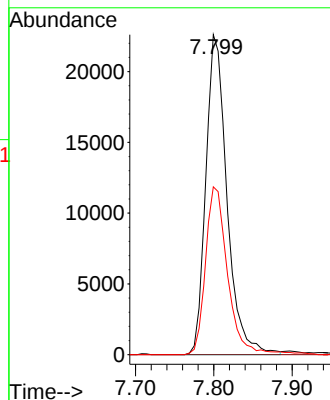
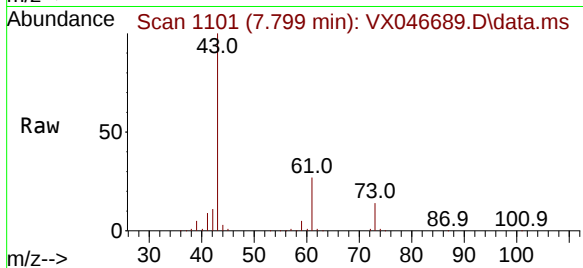
Tgt Ion: 41 Resp: 42349

Ion Ratio Lower Upper

41 100

69 0.0 58.5 87.7#

39 55.1 51.7 77.5



#50

Toluene-d8

Concen: 51.482 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX046689.D

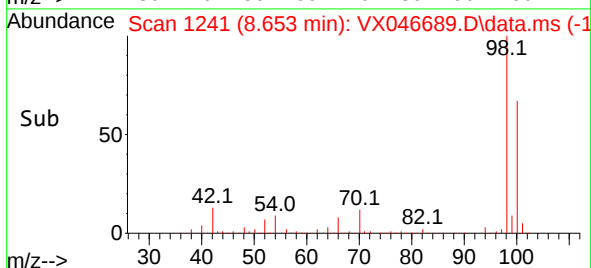
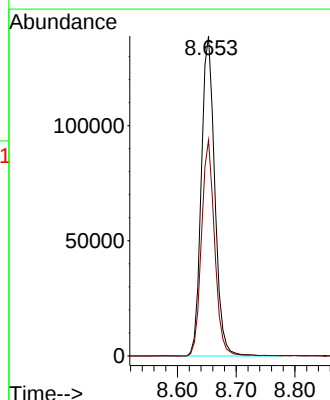
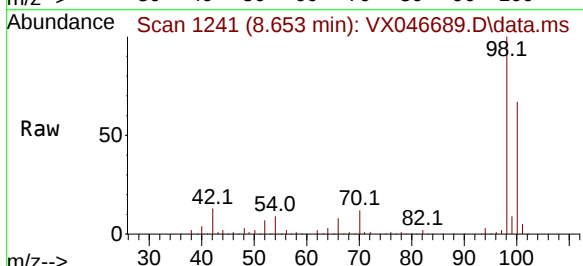
Acq: 13 Jun 2025 15:14

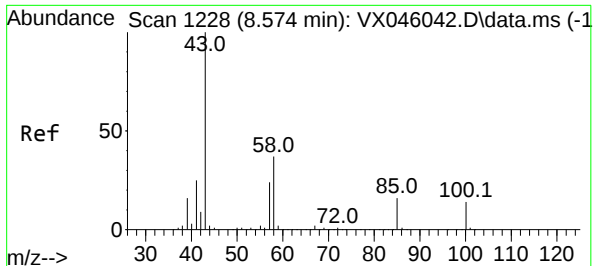
Tgt Ion: 98 Resp: 220767

Ion Ratio Lower Upper

98 100

100 65.9 53.5 80.3

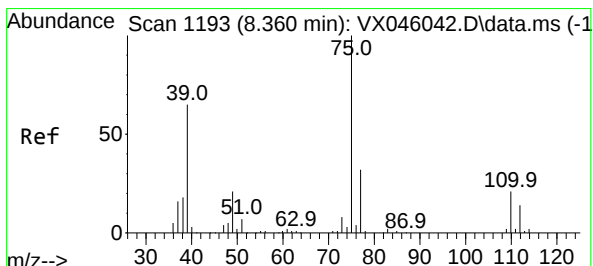
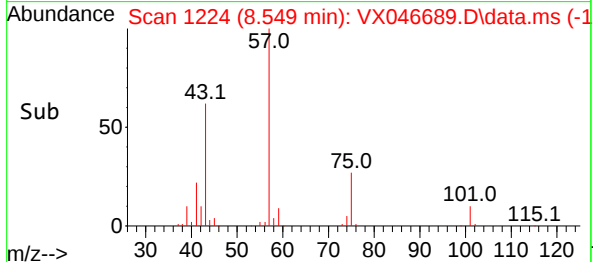
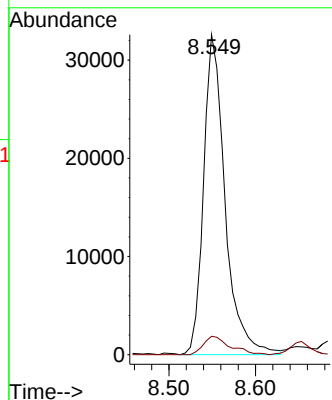
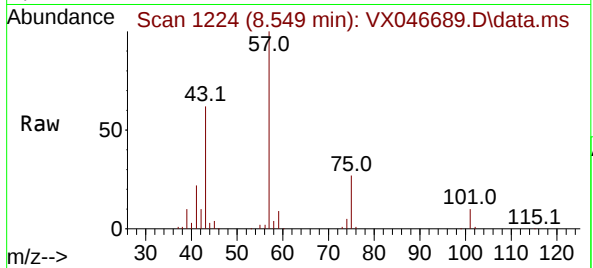




#51
4-Methyl-2-Pentanone
Concen: 28.001 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

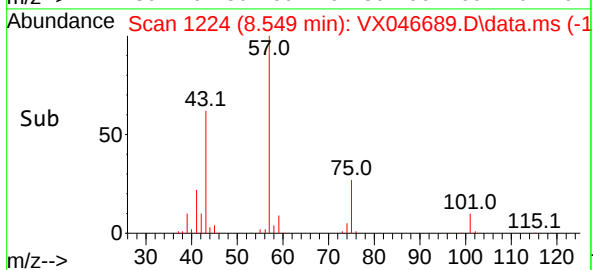
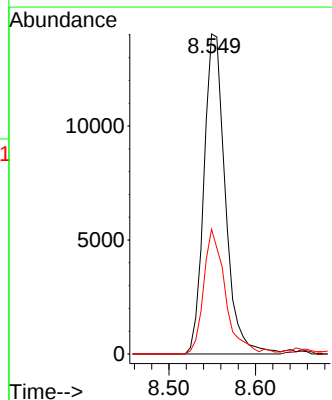
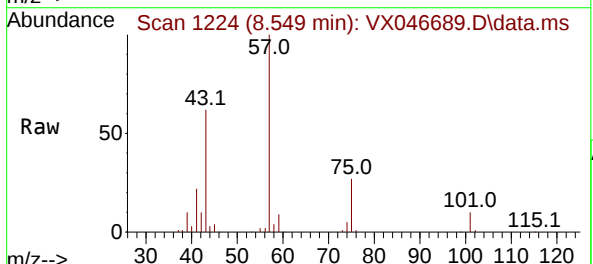
Instrument :
MSVOA_X
ClientSampleId :
TP01-MH1-WC

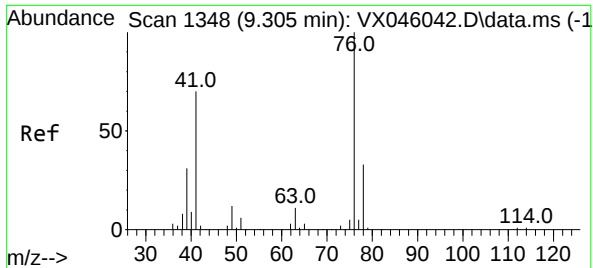
Tgt Ion: 43 Resp: 56250
Ion Ratio Lower Upper
43 100
58 7.1 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 11.558 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

Tgt Ion: 75 Resp: 24062
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 39.0 52.2 78.4#

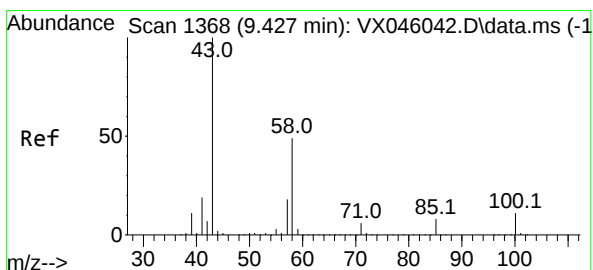
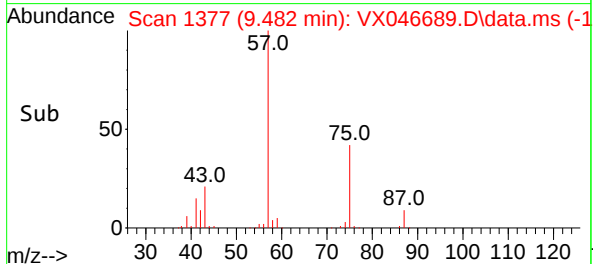
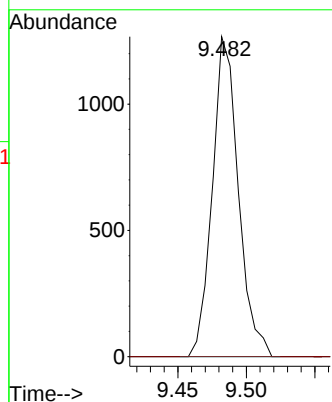
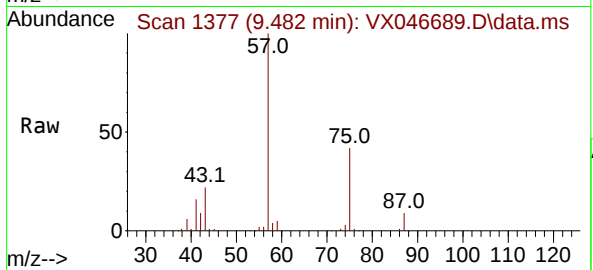




#57
1,3-Dichloropropane
Concen: 0.733 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

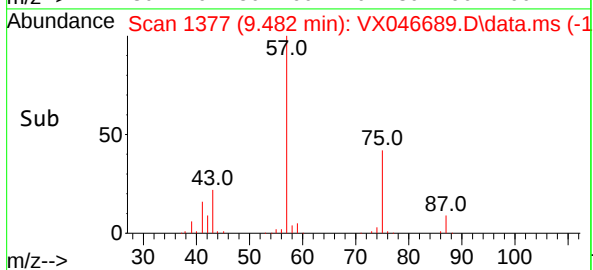
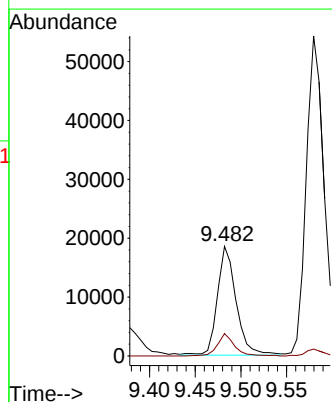
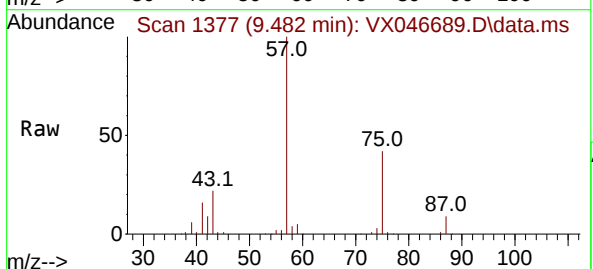
Instrument :
MSVOA_X
ClientSampleId :
TP01-MH1-WC

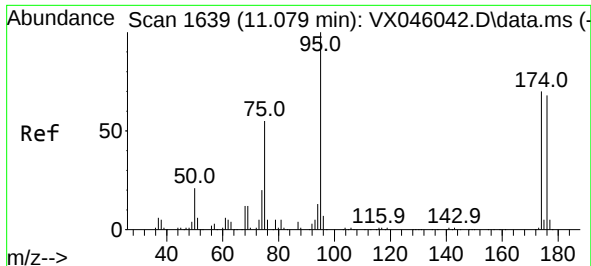
Tgt Ion: 76 Resp: 1672
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 18.383 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

Tgt Ion: 43 Resp: 26485
Ion Ratio Lower Upper
43 100
58 18.7 24.9 74.6#

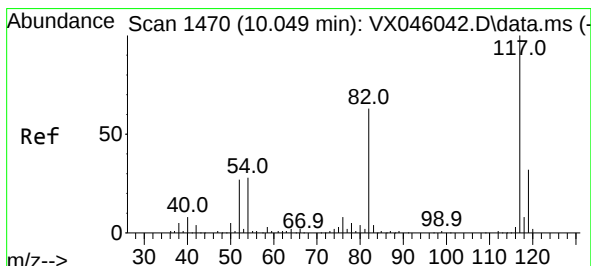
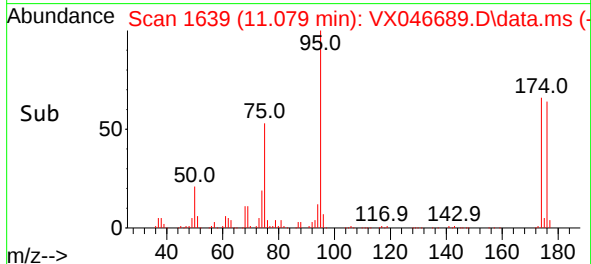
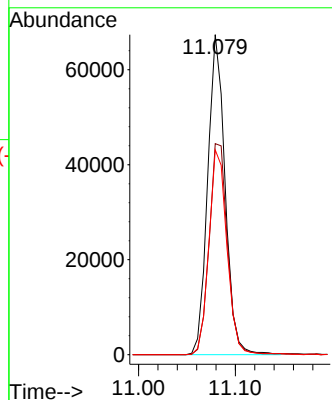
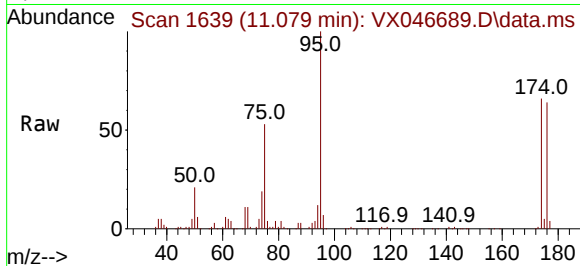




#62
4-Bromofluorobenzene
Concen: 47.618 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

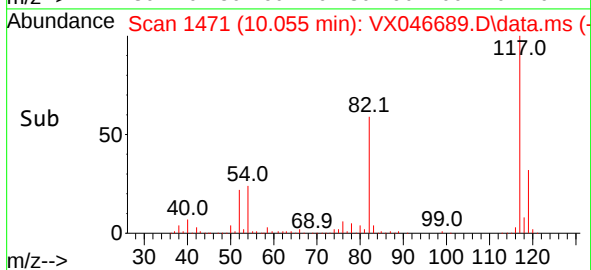
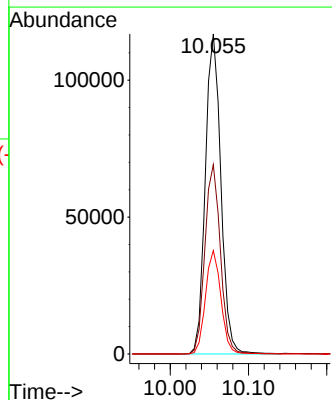
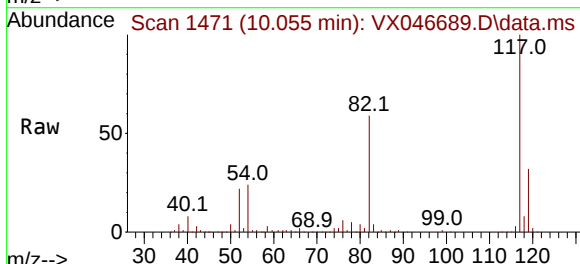
Instrument :
MSVOA_X
ClientSampleId :
TP01-MH1-WC

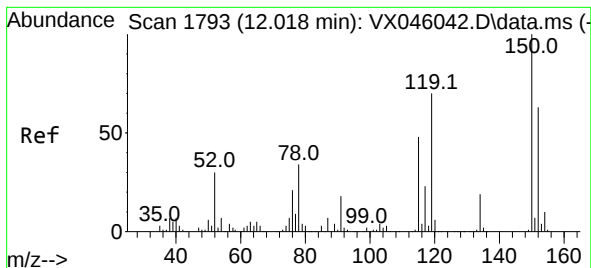
Tgt Ion: 95 Resp: 84485
Ion Ratio Lower Upper
95 100
174 69.8 0.0 135.8
176 66.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

Tgt Ion: 117 Resp: 160751
Ion Ratio Lower Upper
117 100
82 59.2 50.6 76.0
119 32.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX046689.D

Acq: 13 Jun 2025 15:14

Instrument :

MSVOA_X

ClientSampleId :

TP01-MH1-WC

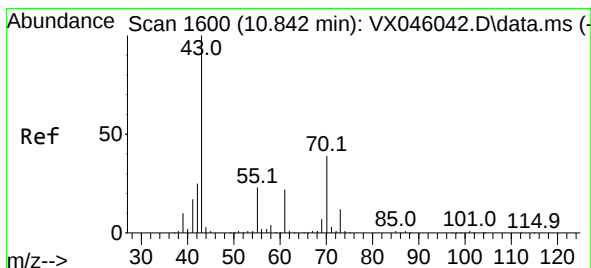
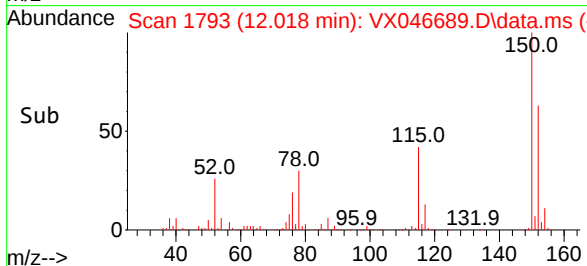
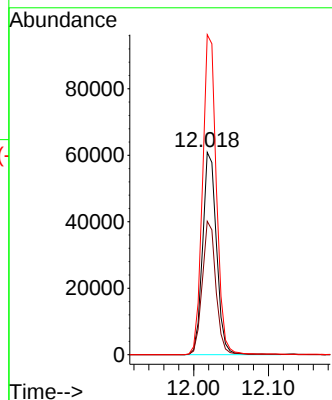
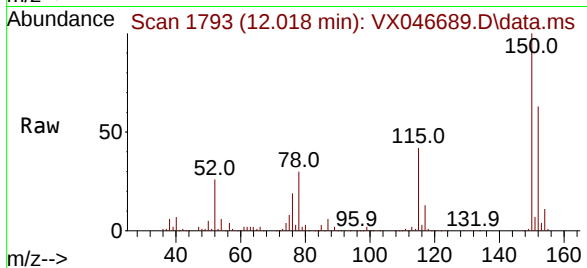
Tgt Ion:152 Resp: 78630

Ion Ratio Lower Upper

152 100

115 64.4 46.9 140.7

150 157.6 0.0 351.0



#74

N-ethyl acetate

Concen: 3.148 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX046689.D

Acq: 13 Jun 2025 15:14

Tgt Ion: 43 Resp: 8568

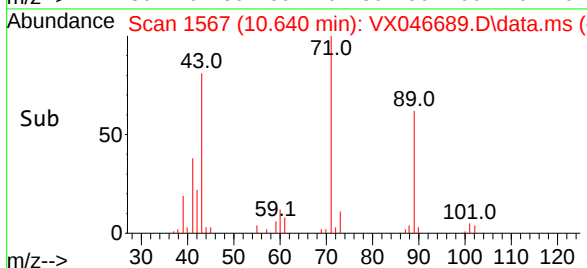
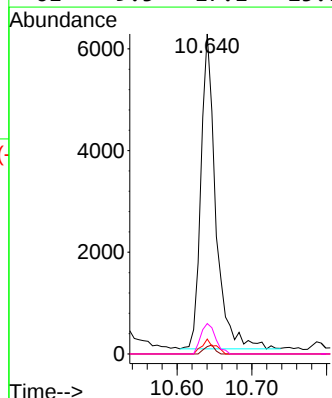
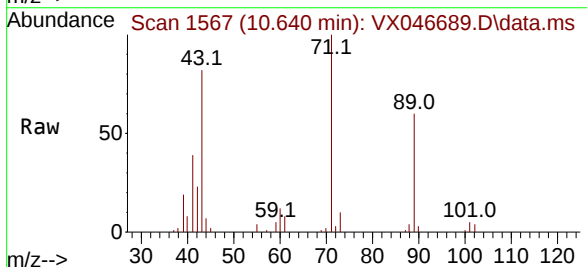
Ion Ratio Lower Upper

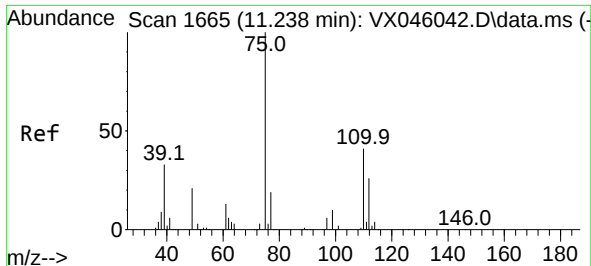
43 100

70 1.9 30.9 46.3#

55 4.1 18.7 28.1#

61 9.5 17.1 25.7#

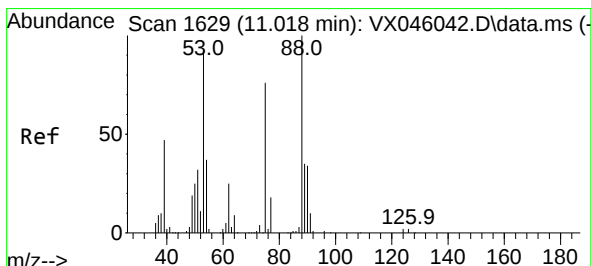
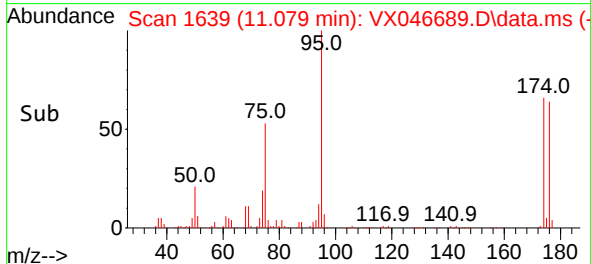
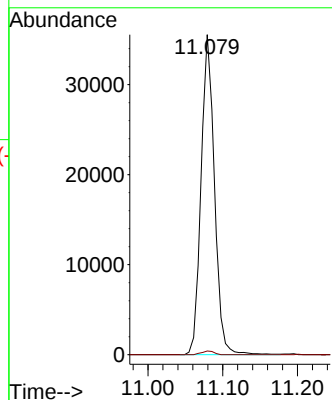
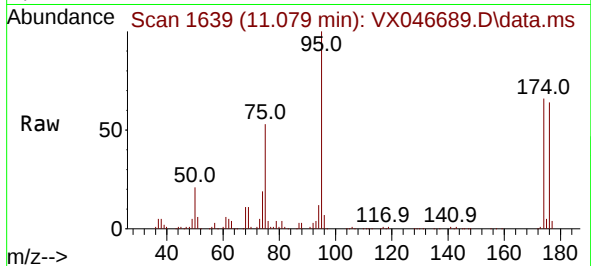




#76
1,2,3-Trichloropropane
Concen: 26.556 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

Instrument :
MSVOA_X
ClientSampleId :
TP01-MH1-WC

Tgt Ion: 75 Resp: 44229
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.605 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046689.D
Acq: 13 Jun 2025 15:14

Tgt Ion: 75 Resp: 44229
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

