

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046532.D
 Acq On : 06 Jun 2025 16:58
 Operator : JC/MD
 Sample : Q2194-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-12

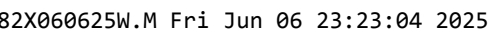
Quant Time: Jun 06 23:22:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

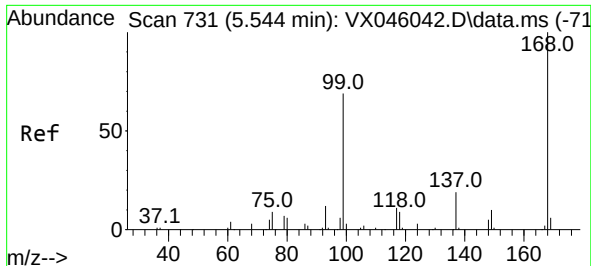
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.574	168	115219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	223930	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	97864	47.742	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.480%
35) Dibromofluoromethane	5.403	113	73967	44.916	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.840%
50) Toluene-d8	8.653	98	283805	52.274	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.540%
62) 4-Bromofluorobenzene	11.079	95	129370	57.592	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	115.180%
Target Compounds						
					Qvalue	
3) Chloromethane	1.258	50	3252	2.234	ug/l #	43
5) Bromomethane	1.636	94	569	0.646	ug/l	93
6) Chloroethane	1.703	64	341	0.362	ug/l #	81
10) Methyl Iodide	2.477	142	1424	0.868	ug/l	94
11) Tert butyl alcohol	2.971	59	47	0.207	ug/l #	72
13) Acrolein	2.258	56	21	30.073	ug/l #	15
16) Acetone	2.398	43	22950	32.581	ug/l	98
17) Carbon Disulfide	2.532	76	870	0.501	ug/l #	76
18) Methyl Acetate	2.721	43	7872	3.224	ug/l	98
20) Methylene Chloride	2.806	84	8052	4.896	ug/l	98
31) Cyclohexane	5.562	56	3233	1.357	ug/l #	24
36) 1,1-Dichloropropene	5.568	75	10685	4.542	ug/l #	52
38) Carbon Tetrachloride	5.568	117	13359	5.070	ug/l #	16
43) Isopropyl Acetate	6.367	43	12333	3.081	ug/l	98
48) Methyl methacrylate	7.805	41	43741	21.241	ug/l #	48
51) 4-Methyl-2-Pentanone	8.555	43	40811	16.046	ug/l #	52
54) cis-1,3-Dichloropropene	8.555	75	15885	6.027	ug/l #	58
57) 1,3-Dichloropropane	9.488	76	1533	0.531	ug/l #	42
59) 2-Hexanone	9.488	43	25027	13.720	ug/l #	53
74) N-amyl acetate	10.774	43	1462	0.354	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	70139	27.784	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	70139	80.147	ug/l #	1
95) Naphthalene	13.774	128	2332	0.264	ug/l	97

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

Quant Time: Jun 06 23:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

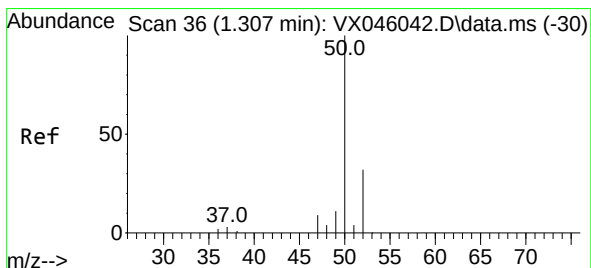
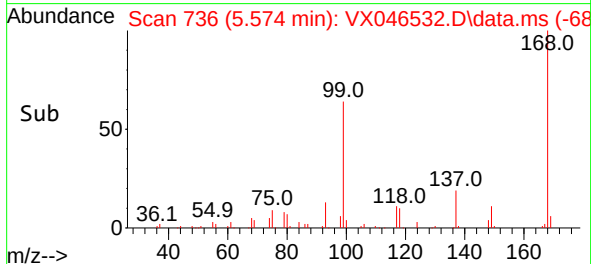
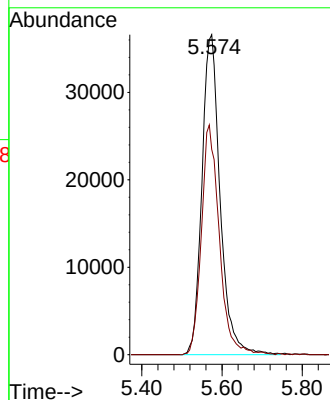
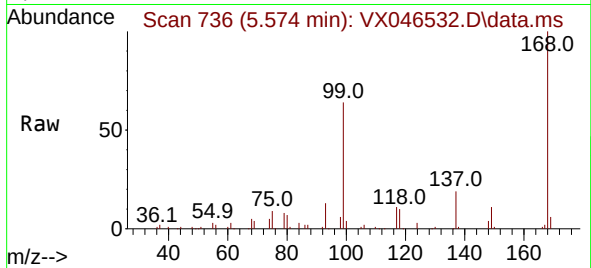




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

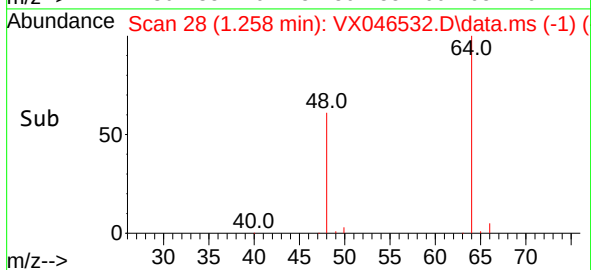
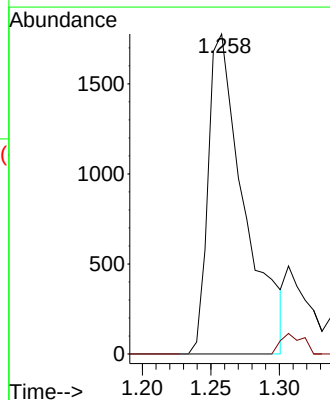
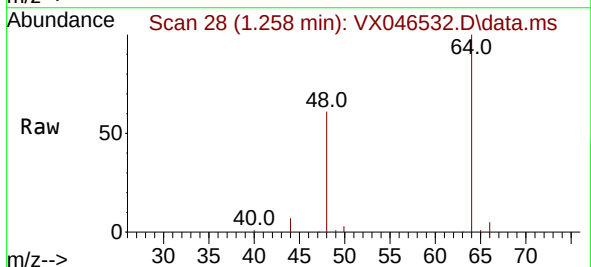
Instrument :
MSVOA_X
ClientSampleId :
COMP-12

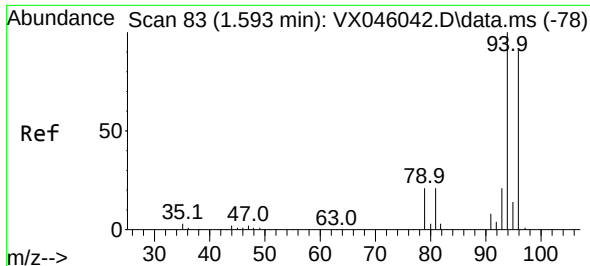
Tgt Ion:168 Resp: 115219
Ion Ratio Lower Upper
168 100
99 64.2 54.9 82.3



#3
Chloromethane
Concen: 2.234 ug/l
RT: 1.258 min Scan# 28
Delta R.T. -0.049 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

Tgt Ion: 50 Resp: 3252
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

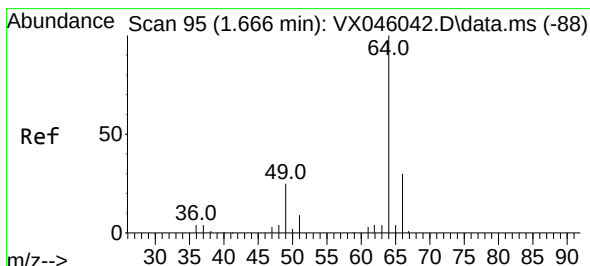
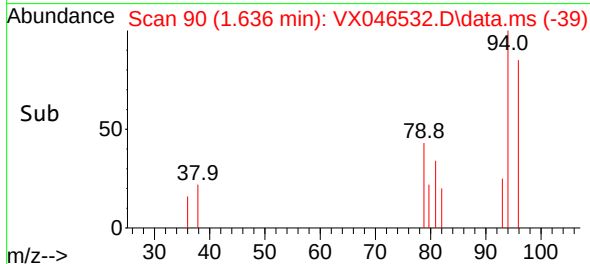
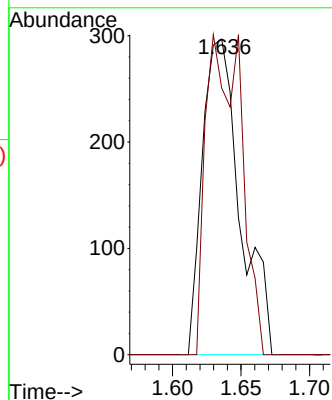
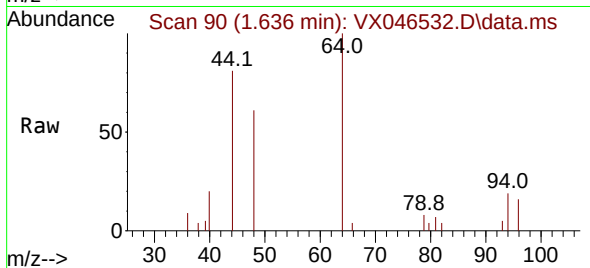




#5
Bromomethane
Concen: 0.646 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

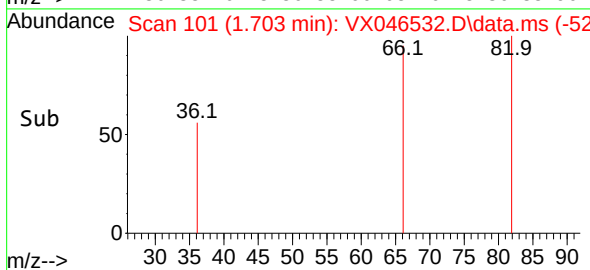
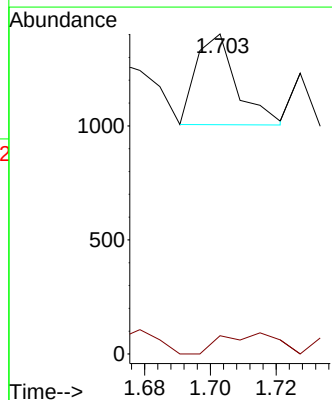
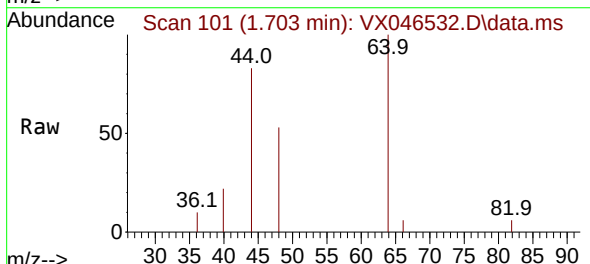
Instrument :
MSVOA_X
ClientSampleId :
COMP-12

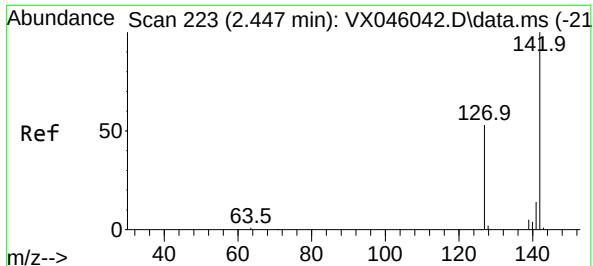
Tgt Ion: 94 Resp: 569
Ion Ratio Lower Upper
94 100
96 84.5 72.8 109.2



#6
Chloroethane
Concen: 0.362 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

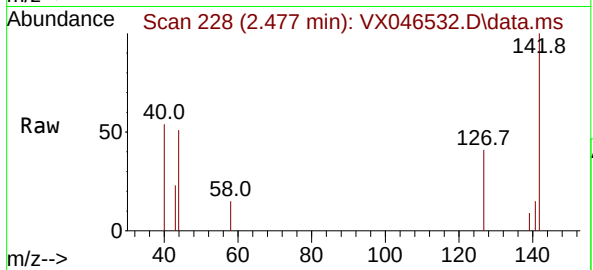
Tgt Ion: 64 Resp: 341
Ion Ratio Lower Upper
64 100
66 20.2 24.3 36.5#



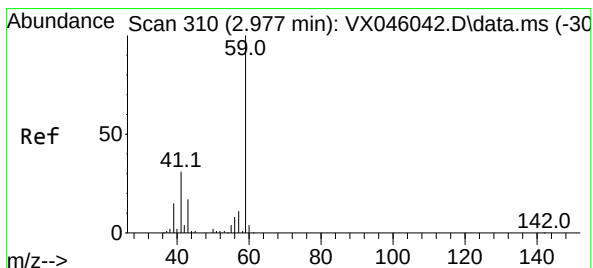
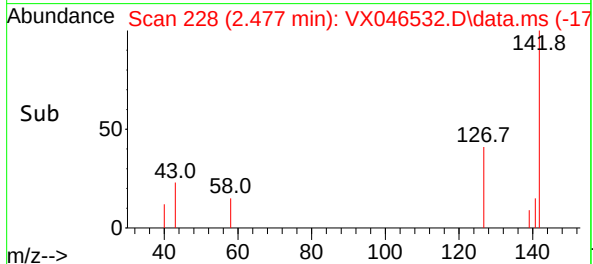
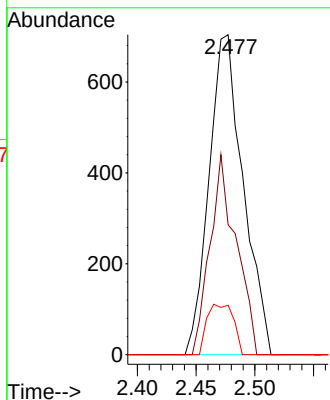


#10
Methyl Iodide
Concen: 0.868 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

Instrument :
MSVOA_X
ClientSampleId :
COMP-12

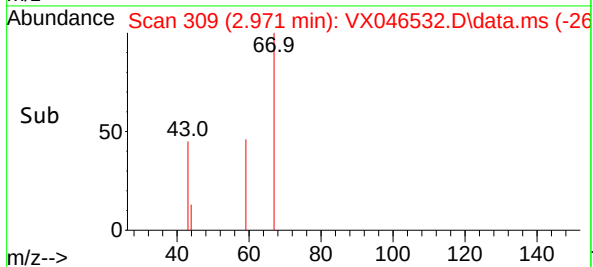
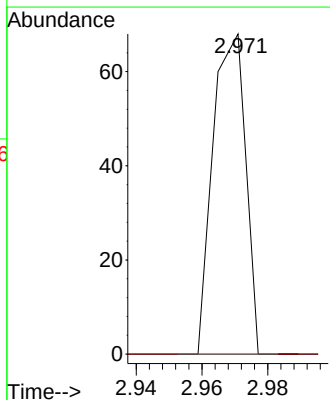
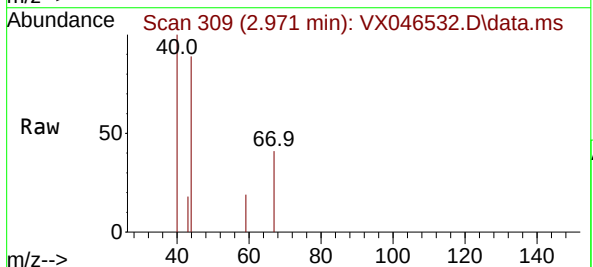


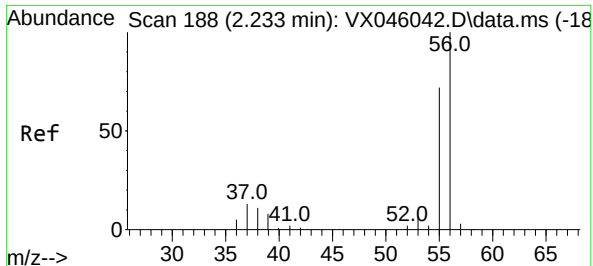
Tgt Ion:142 Resp: 1424
Ion Ratio Lower Upper
142 100
127 47.8 41.7 62.5
141 12.2 11.5 17.3



#11
Tert butyl alcohol
Concen: 0.207 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.000 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

Tgt Ion: 59 Resp: 47
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

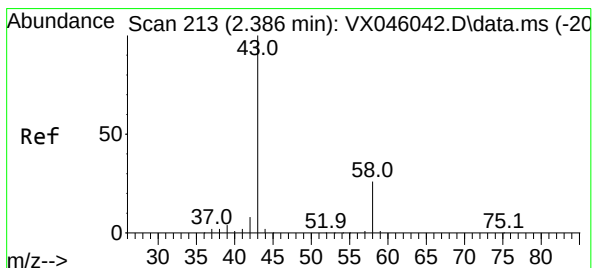
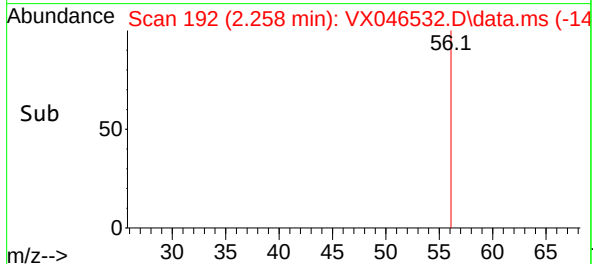
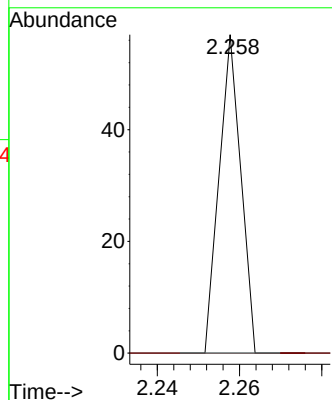
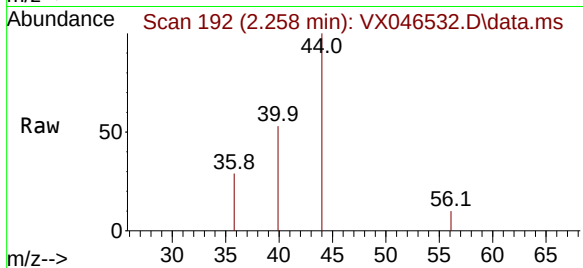




#13
Acrolein
Concen: 30.073 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.007 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

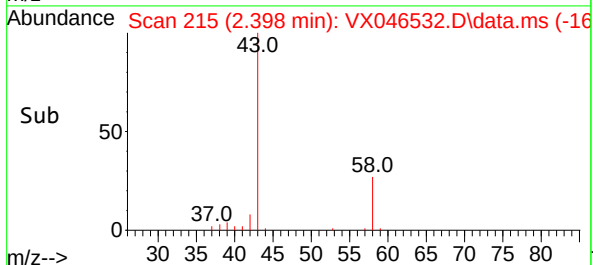
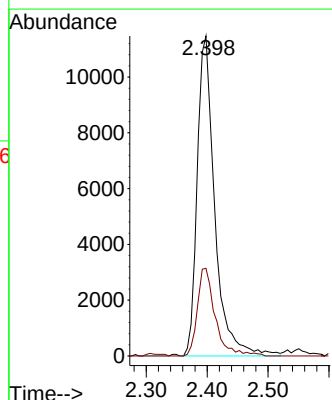
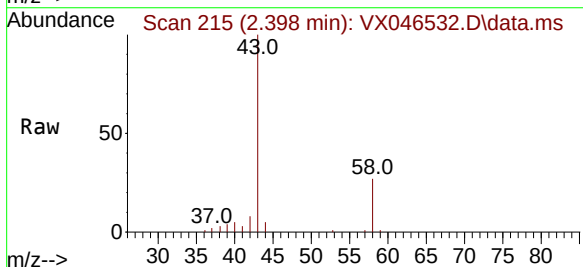
Instrument :
MSVOA_X
ClientSampleId :
COMP-12

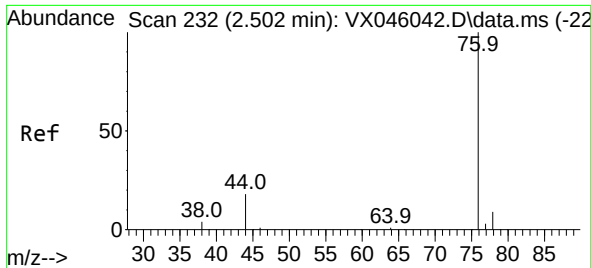
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#16
Acetone
Concen: 32.581 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

Tgt Ion: 43 Resp: 22950
Ion Ratio Lower Upper
43 100
58 27.4 21.2 31.8

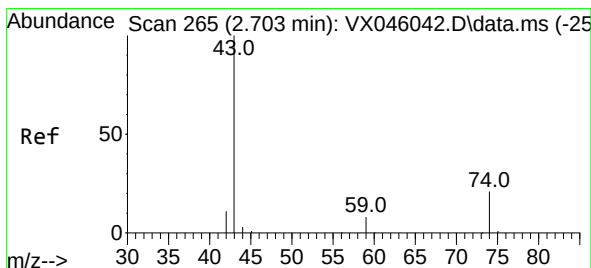
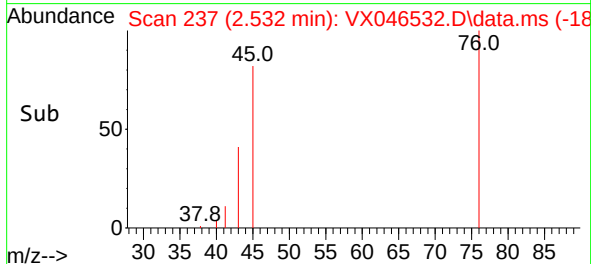
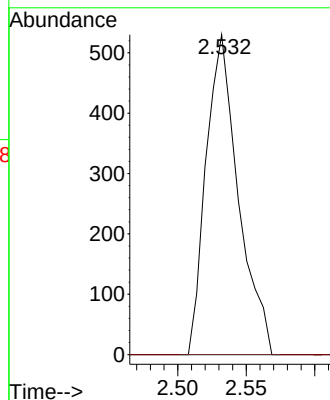
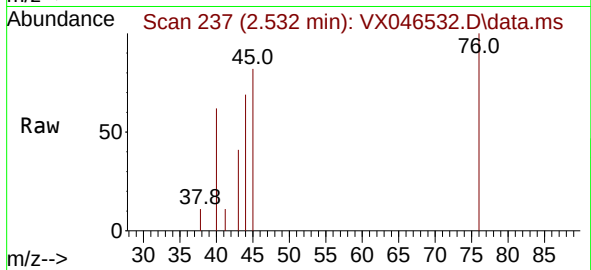




#17
Carbon Disulfide
Concen: 0.501 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

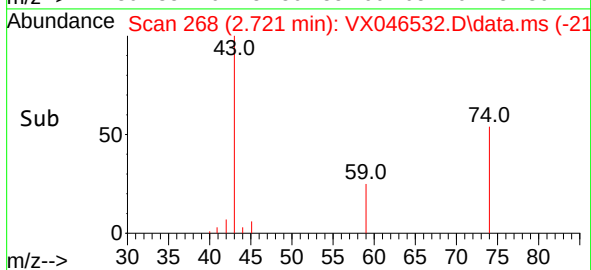
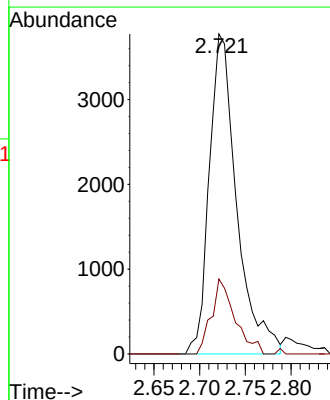
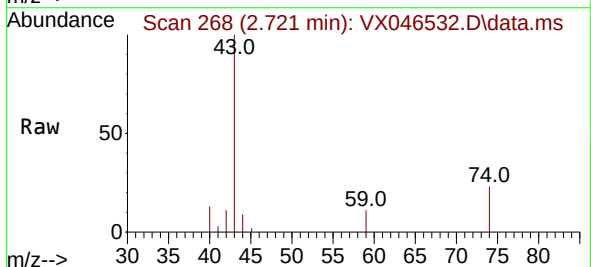
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ClientSampleId :
COMP-12

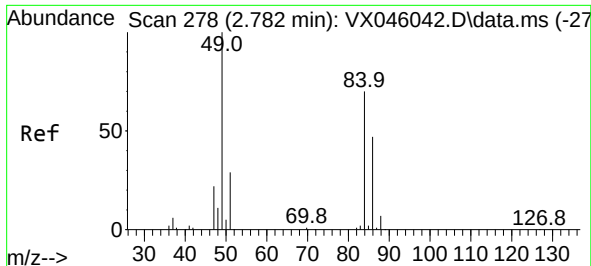
Tgt Ion: 76 Resp: 870
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 3.224 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.000 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

Tgt Ion: 43 Resp: 7872
Ion Ratio Lower Upper
43 100
74 20.0 16.7 25.1



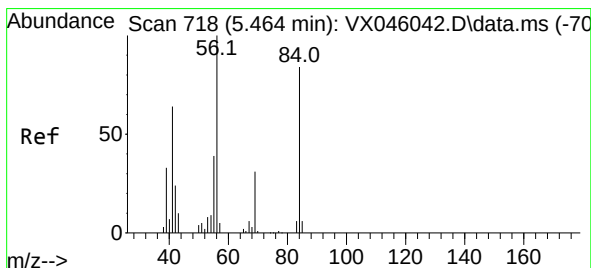
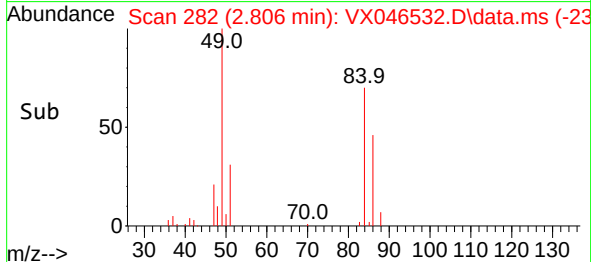
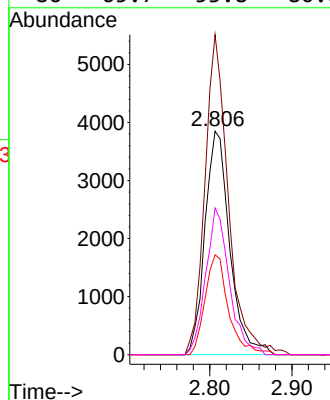
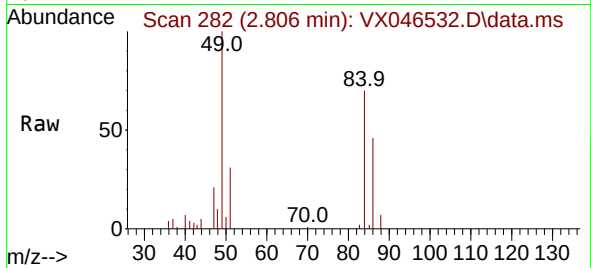


#20
Methylene Chloride
Concen: 4.896 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

Instrument :
MSVOA_X
ClientSampleId :
COMP-12

Tgt Ion: 84 Resp: 8052

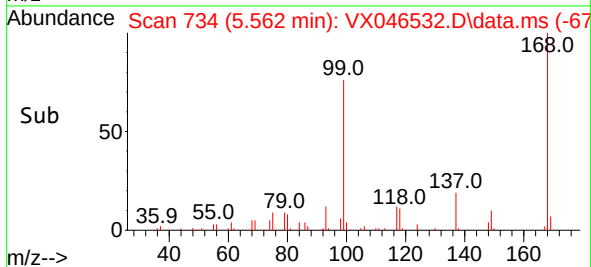
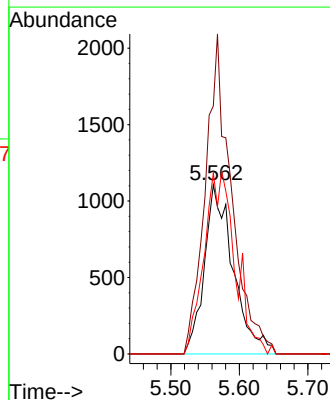
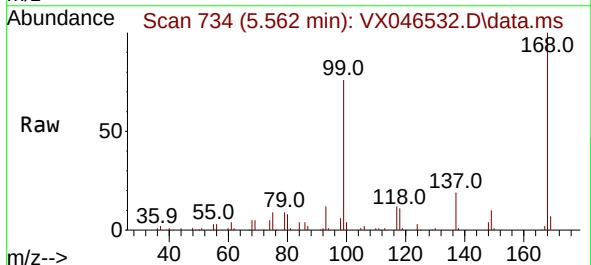
Ion	Ratio	Lower	Upper
84	100		
49	143.2	113.9	170.9
51	44.7	33.5	50.3
86	65.7	53.8	80.8

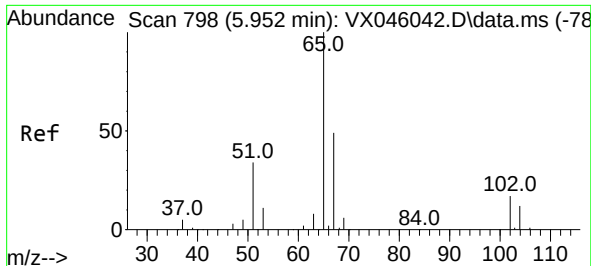


#31
Cyclohexane
Concen: 1.357 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.073 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

Tgt Ion: 56 Resp: 3233

Ion	Ratio	Lower	Upper
56	100		
69	146.7	24.4	36.6#
84	107.0	66.9	100.3#

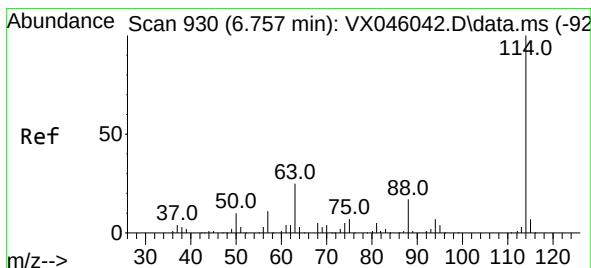
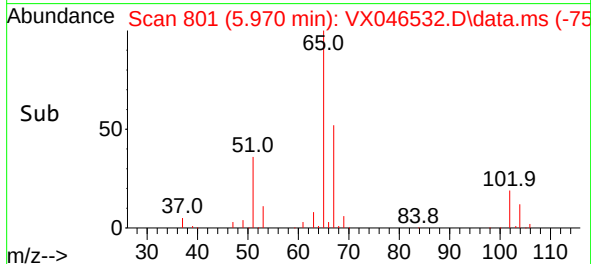
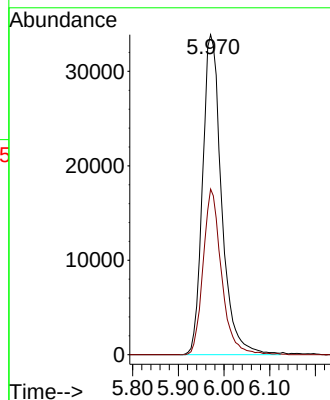
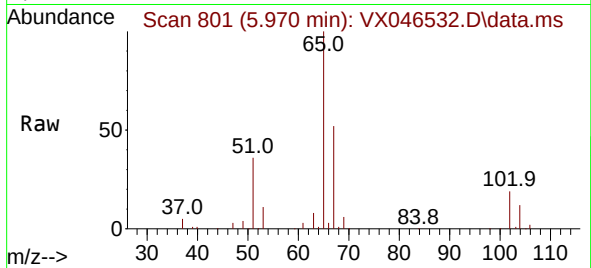




#33
 1,2-Dichloroethane-d4
 Concen: 47.742 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: VX046532.D
 Acq: 06 Jun 2025 16:58

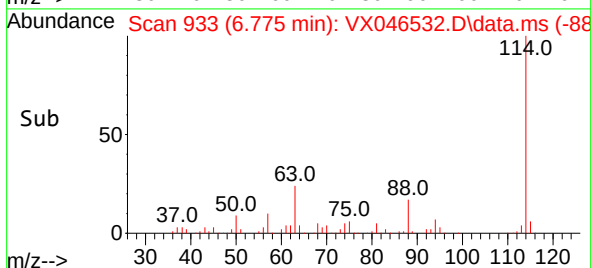
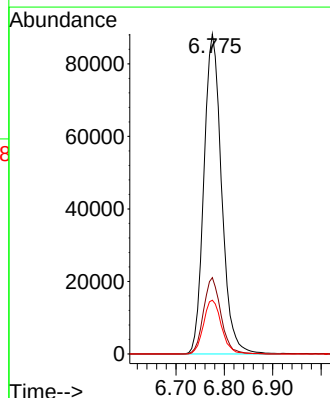
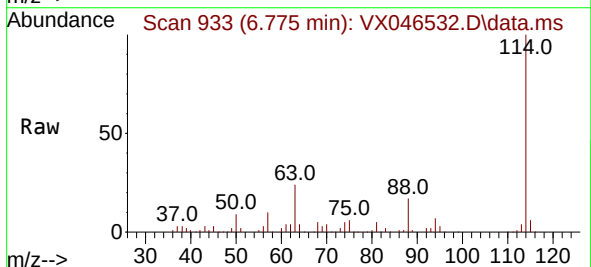
Instrument :
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 ClientSampleId :
 COMP-12

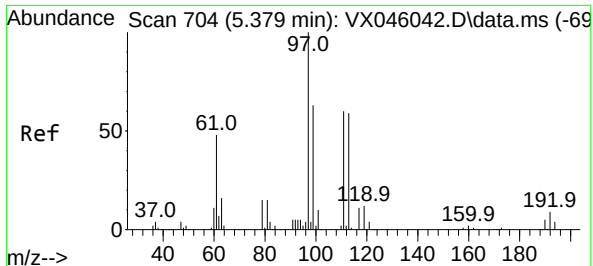
Tgt Ion: 65 Resp: 97864
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.775 min Scan# 933
 Delta R.T. 0.000 min
 Lab File: VX046532.D
 Acq: 06 Jun 2025 16:58

Tgt Ion: 114 Resp: 223930
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 49.2
 88 16.8 0.0 33.6

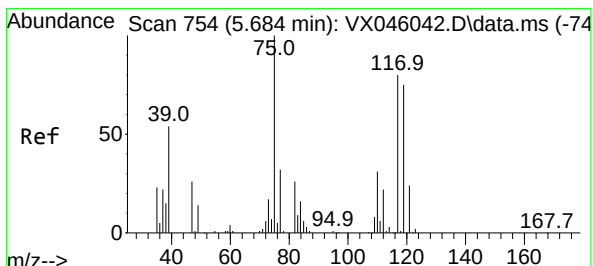
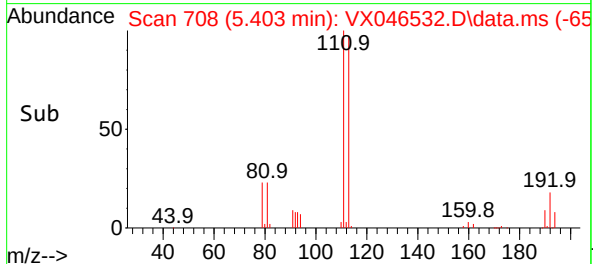
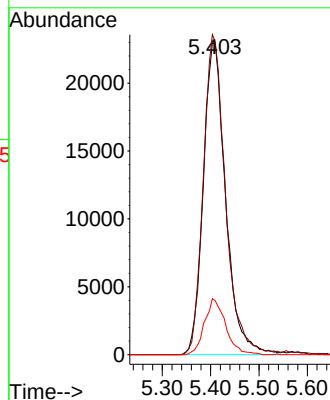
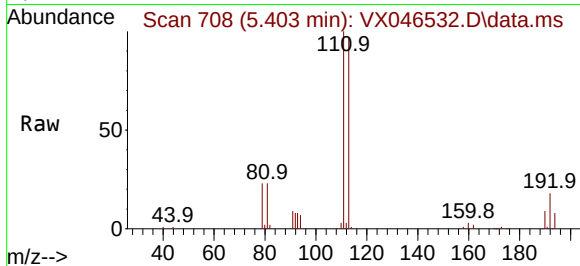




#35
Dibromofluoromethane
Concen: 44.916 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

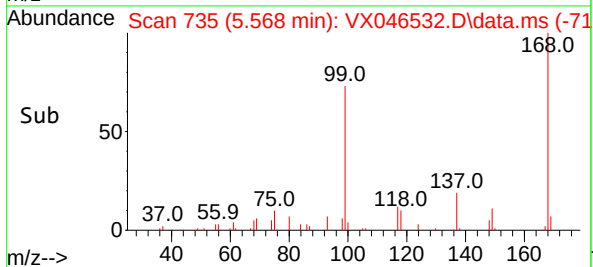
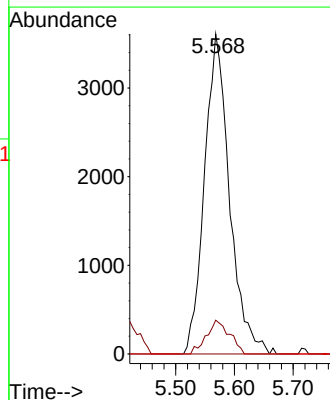
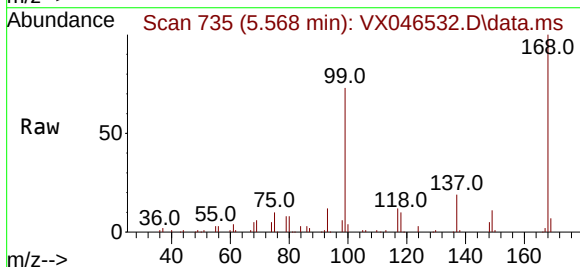
Instrument :
MSVOA_X
ClientSampleId :
COMP-12

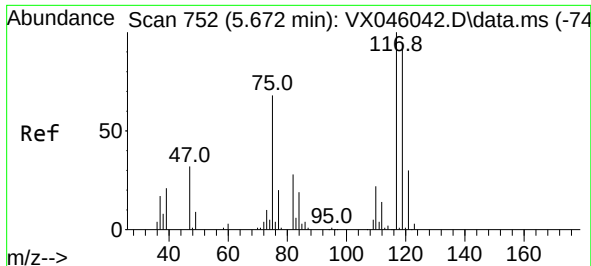
Tgt Ion:113 Resp: 73967
Ion Ratio Lower Upper
113 100
111 101.3 83.1 124.7
192 17.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.542 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

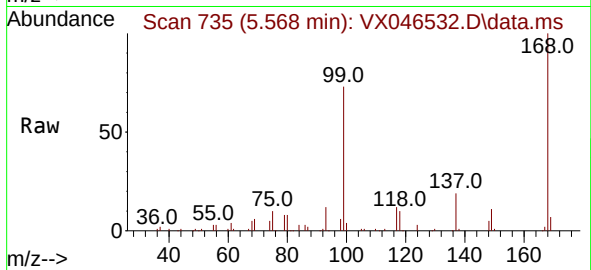
Tgt Ion: 75 Resp: 10685
Ion Ratio Lower Upper
75 100
110 9.7 16.3 48.9#
77 0.0 24.3 36.5#



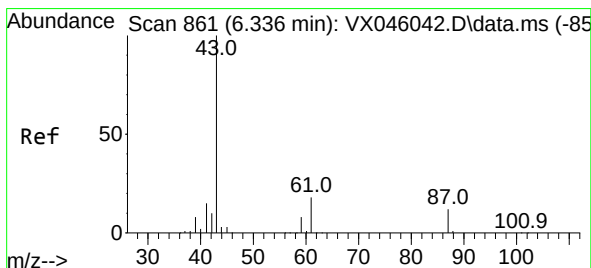
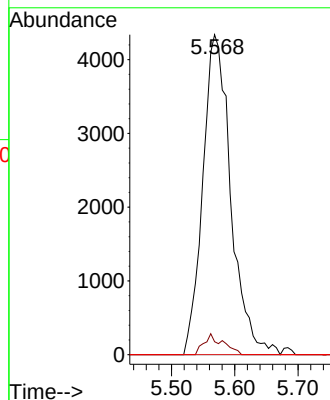
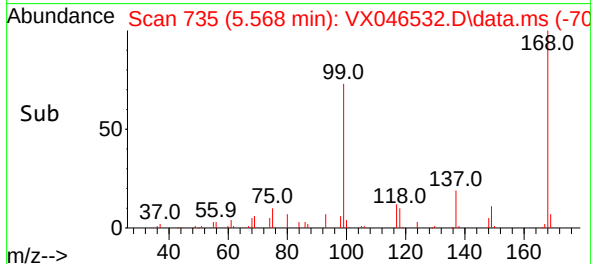


#38
Carbon Tetrachloride
Concen: 5.070 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

Instrument :
MSVOA_X
ClientSampleId :
COMP-12

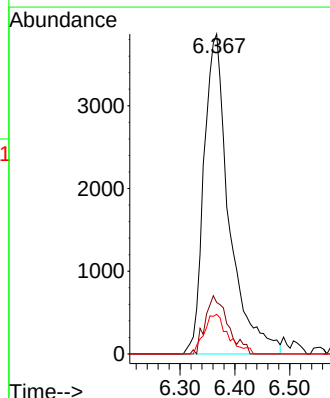
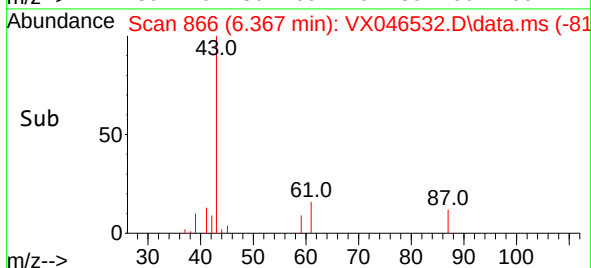
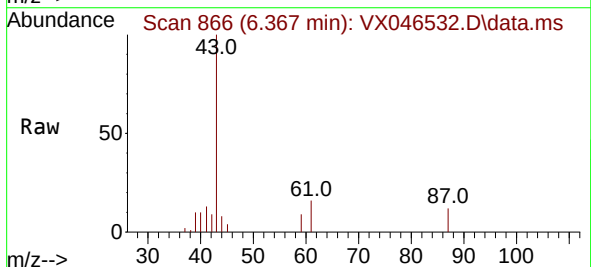


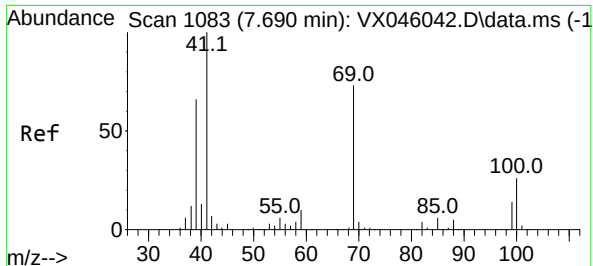
Tgt Ion:117 Resp: 13359
Ion Ratio Lower Upper
117 100
119 4.1 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 3.081 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.013 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

Tgt Ion: 43 Resp: 12333
Ion Ratio Lower Upper
43 100
61 16.4 14.3 21.5
87 11.7 9.5 14.3





#48

Methyl methacrylate

Concen: 21.241 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.103 min

Lab File: VX046532.D

Acq: 06 Jun 2025 16:58

Instrument :

MSVOA_X

ClientSampleId :

COMP-12

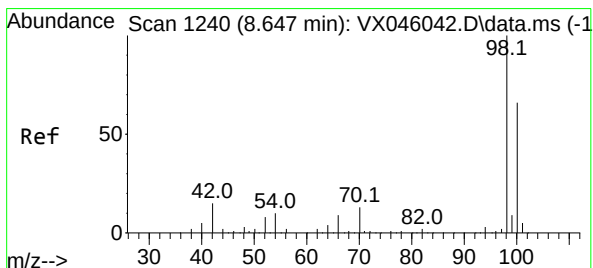
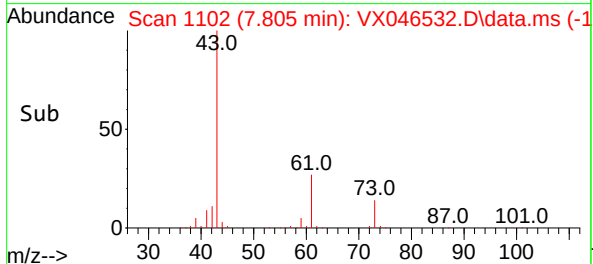
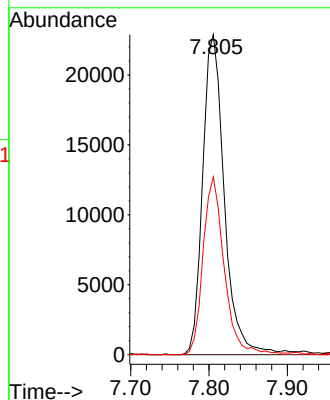
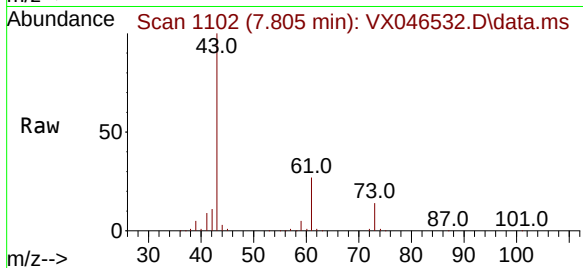
Tgt Ion: 41 Resp: 43741

Ion Ratio Lower Upper

41 100

69 0.0 58.5 87.7#

39 54.5 51.7 77.5



#50

Toluene-d8

Concen: 52.274 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX046532.D

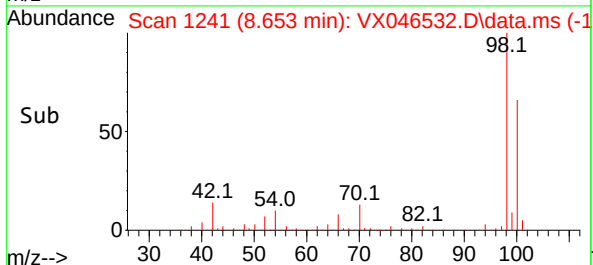
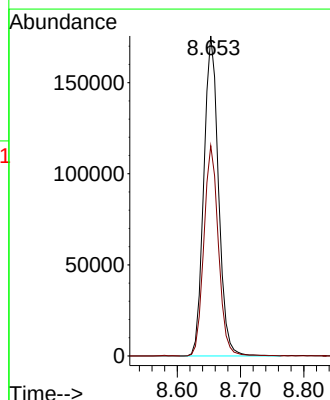
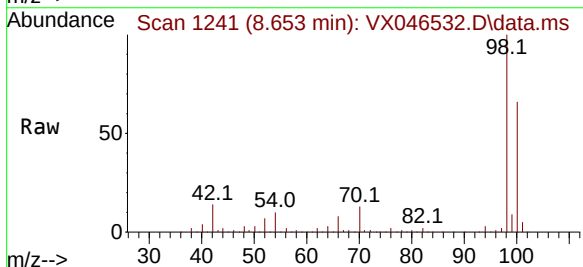
Acq: 06 Jun 2025 16:58

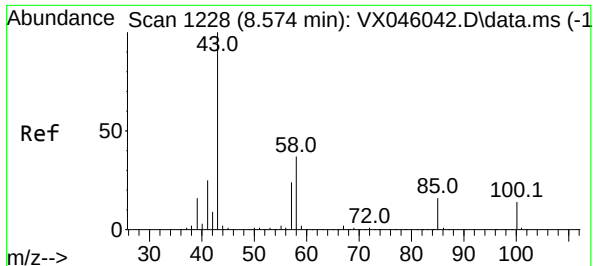
Tgt Ion: 98 Resp: 283805

Ion Ratio Lower Upper

98 100

100 65.2 53.5 80.3

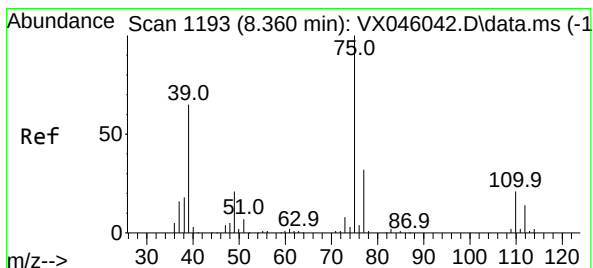
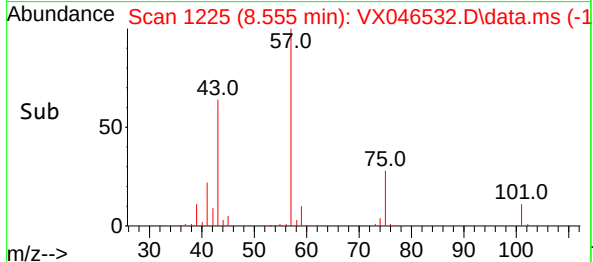
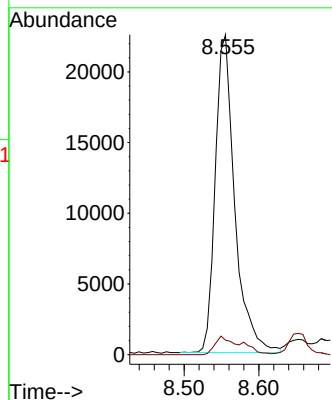
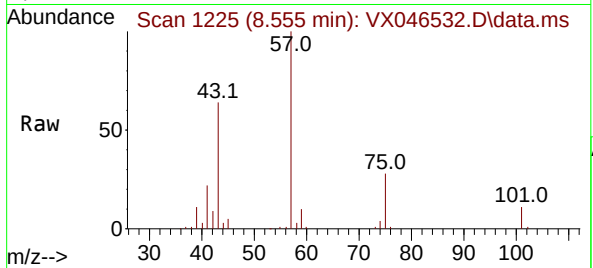




#51
4-Methyl-2-Pentanone
Concen: 16.046 ug/l
RT: 8.555 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

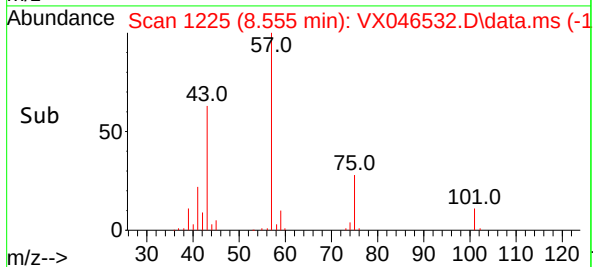
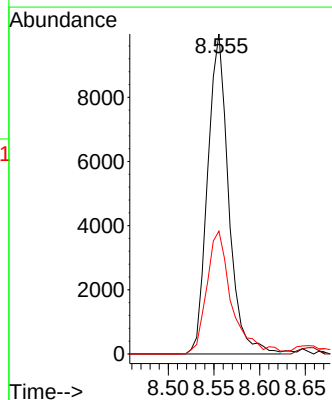
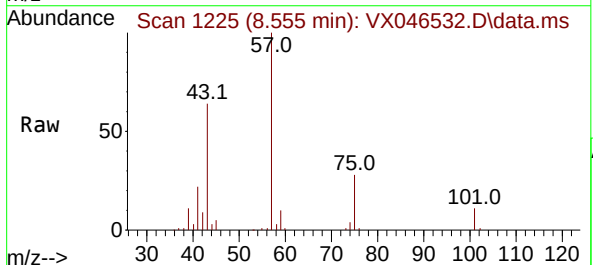
Instrument :
MSVOA_X
ClientSampleId :
COMP-12

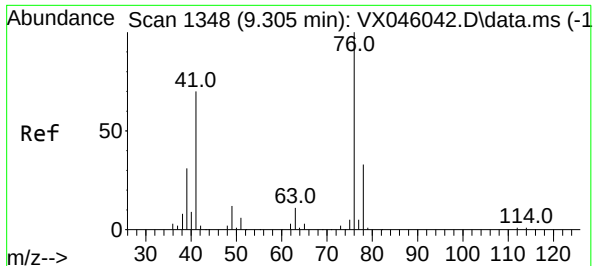
Tgt Ion: 43 Resp: 40811
Ion Ratio Lower Upper
43 100
58 7.8 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 6.027 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

Tgt Ion: 75 Resp: 15885
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 38.4 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.531 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX046532.D

Acq: 06 Jun 2025 16:58

Instrument :

MSVOA_X

ClientSampleId :

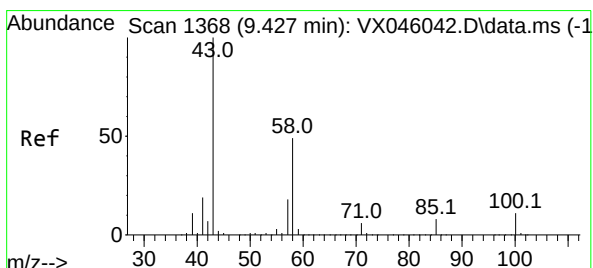
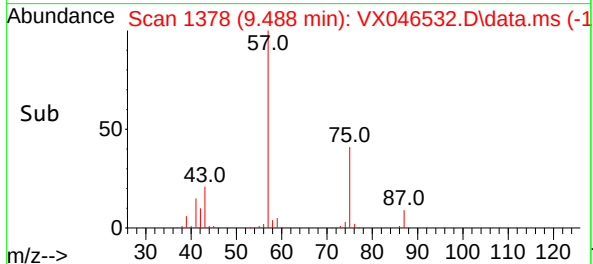
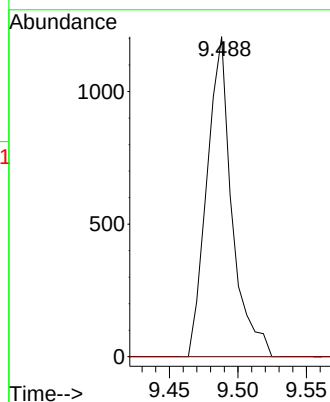
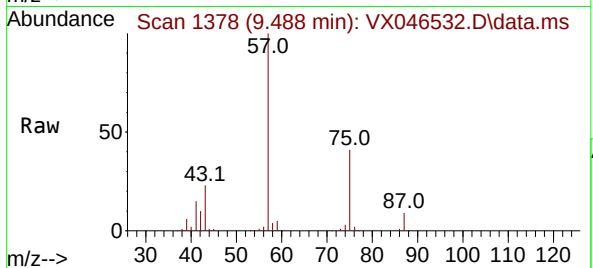
COMP-12

Tgt Ion: 76 Resp: 1533

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 13.720 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX046532.D

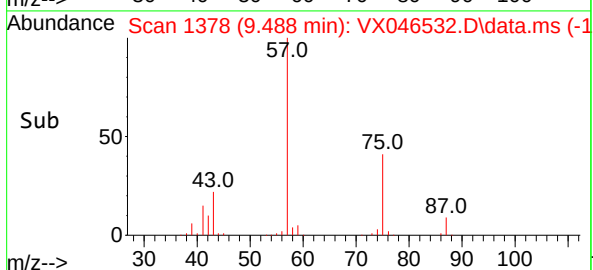
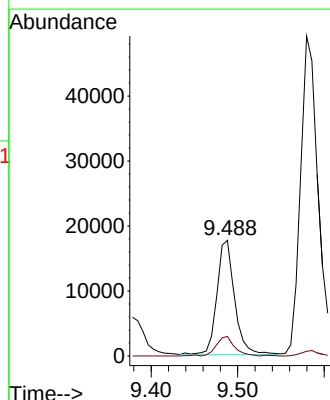
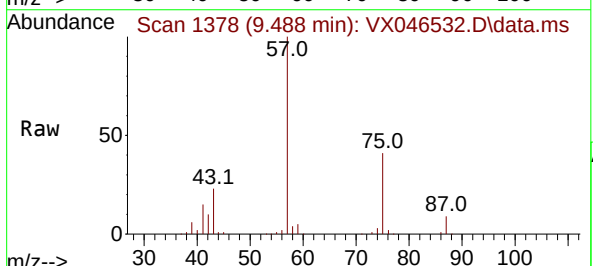
Acq: 06 Jun 2025 16:58

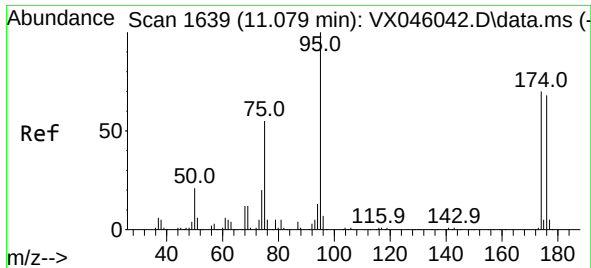
Tgt Ion: 43 Resp: 25027

Ion Ratio Lower Upper

43 100

58 17.7 24.9 74.6#

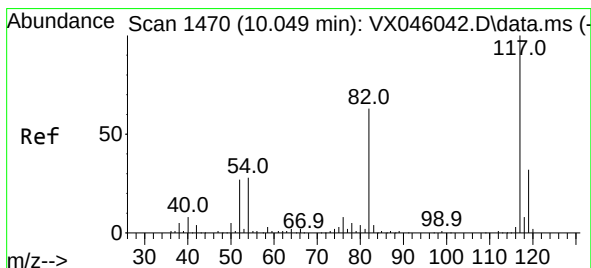
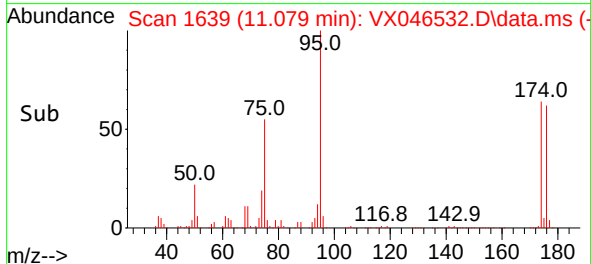
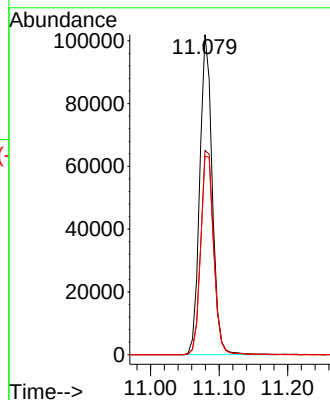
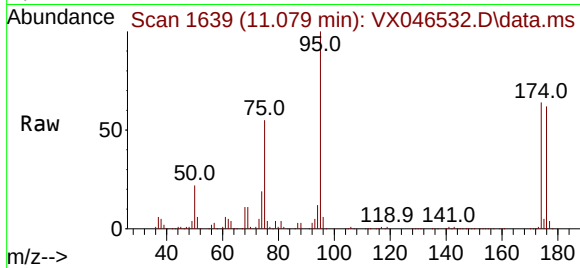




#62
4-Bromofluorobenzene
Concen: 57.592 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

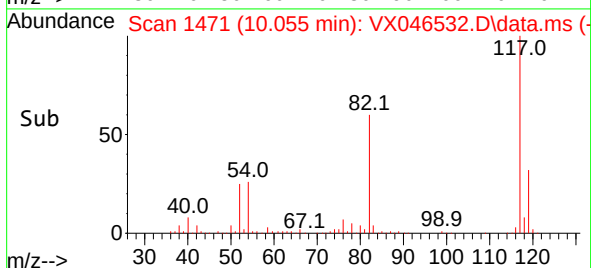
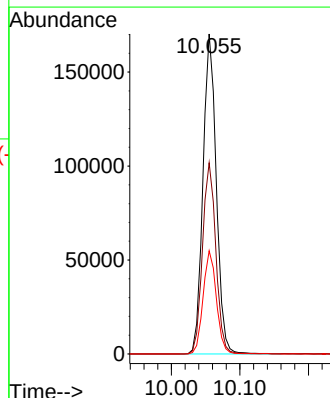
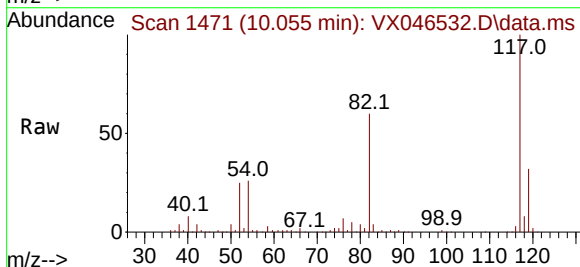
Instrument :
MSVOA_X
ClientSampleId :
COMP-12

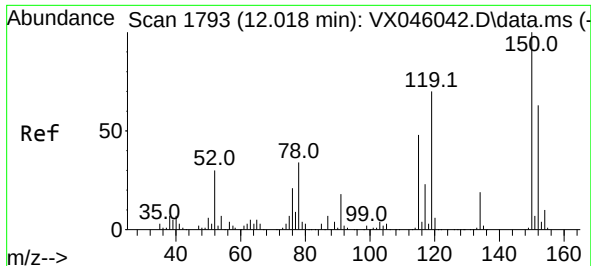
Tgt Ion: 95 Resp: 129370
Ion Ratio Lower Upper
95 100
174 66.3 0.0 135.8
176 65.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

Tgt Ion: 117 Resp: 230849
Ion Ratio Lower Upper
117 100
82 59.7 50.6 76.0
119 32.3 25.8 38.6

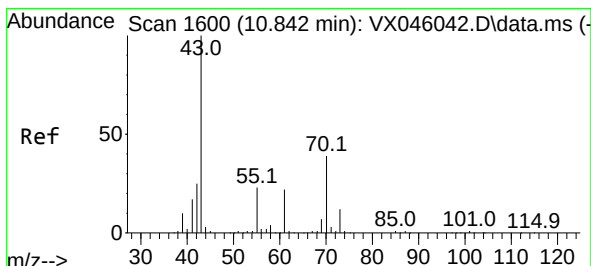
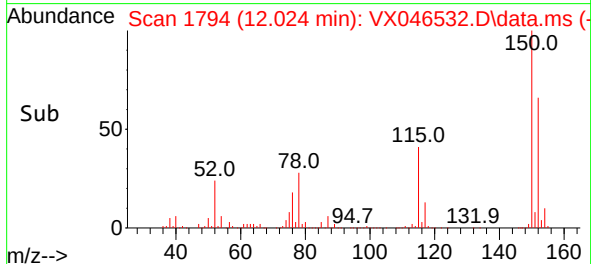
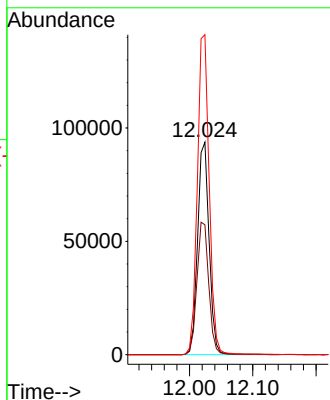
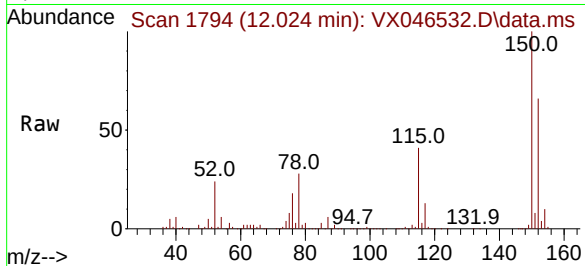




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

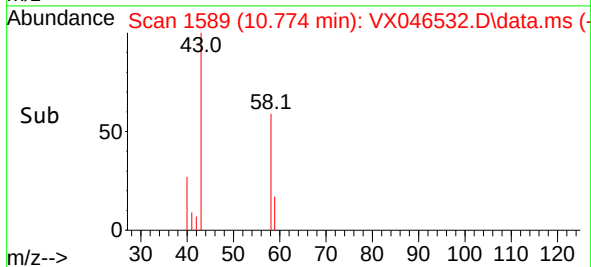
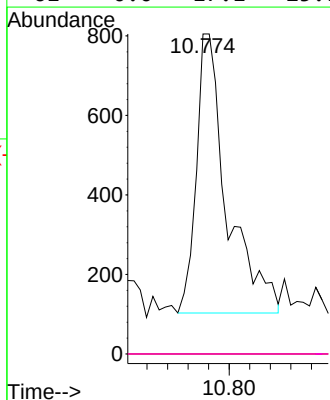
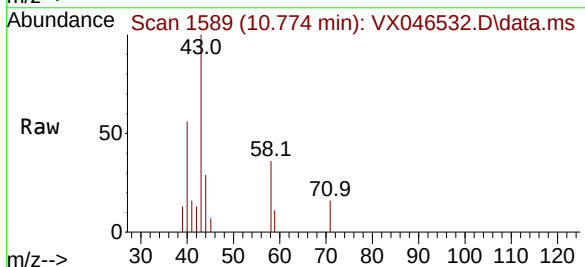
Instrument :
MSVOA_X
ClientSampleId :
COMP-12

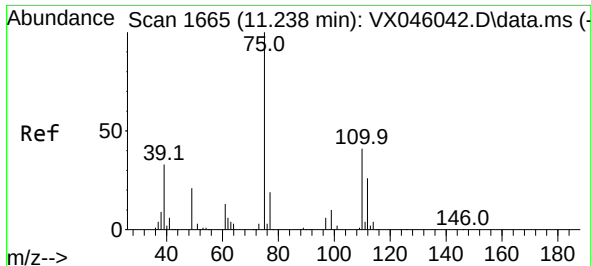
Tgt Ion:152 Resp: 119182
Ion Ratio Lower Upper
152 100
115 64.2 46.9 140.7
150 154.3 0.0 351.0



#74
N-ethyl acetate
Concen: 0.354 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

Tgt Ion: 43 Resp: 1462
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#

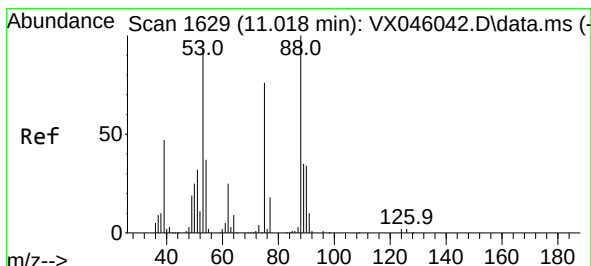
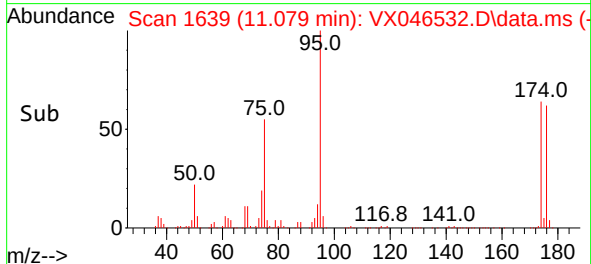
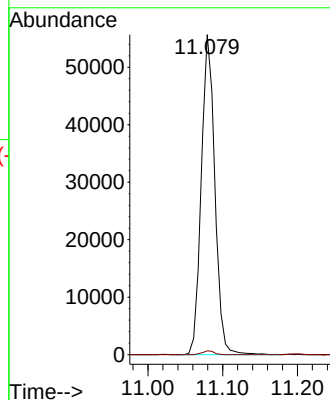
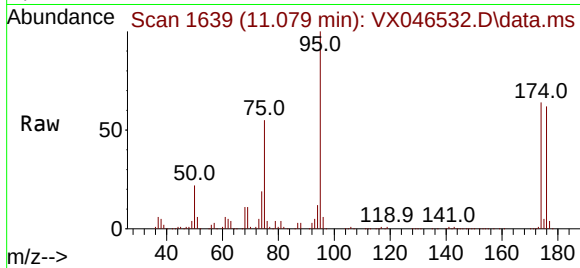




#76
1,2,3-Trichloropropane
Concen: 27.784 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

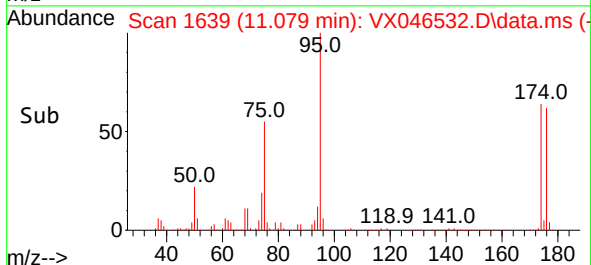
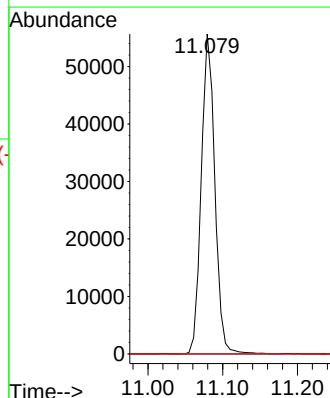
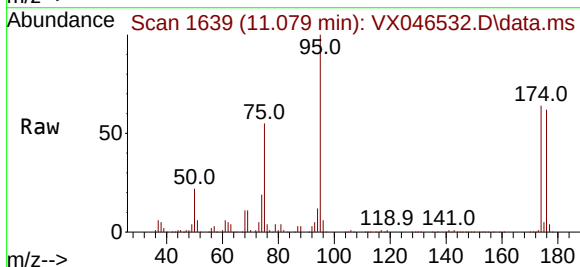
Instrument :
MSVOA_X
ClientSampleId :
COMP-12

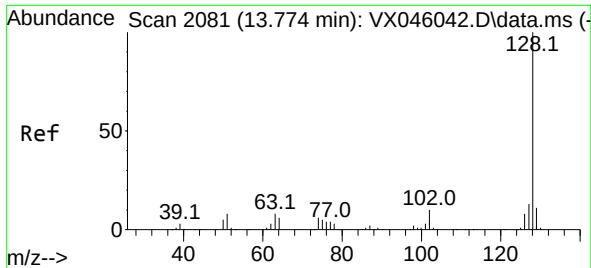
Tgt Ion: 75 Resp: 70139
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.147 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046532.D
Acq: 06 Jun 2025 16:58

Tgt Ion: 75 Resp: 70139
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#





#95

Naphthalene

Concen: 0.264 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX046532.D

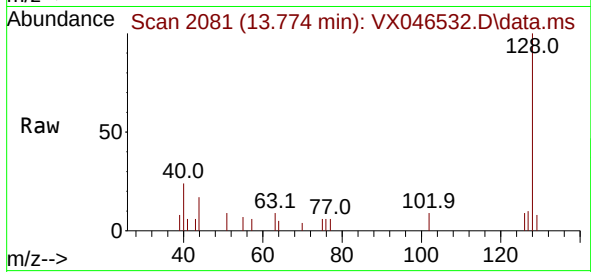
Acq: 06 Jun 2025 16:58

Instrument :

MSVOA_X

ClientSampleId :

COMP-12



Tgt Ion:128 Resp: 2332

Ion Ratio Lower Upper

128 100

127 10.8 10.4 15.6

129 11.0 8.6 13.0

