

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046554.D
 Acq On : 07 Jun 2025 04:09
 Operator : JC/MD
 Sample : Q2236-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A2-06-G

Quant Time: Jun 07 05:25:27 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)

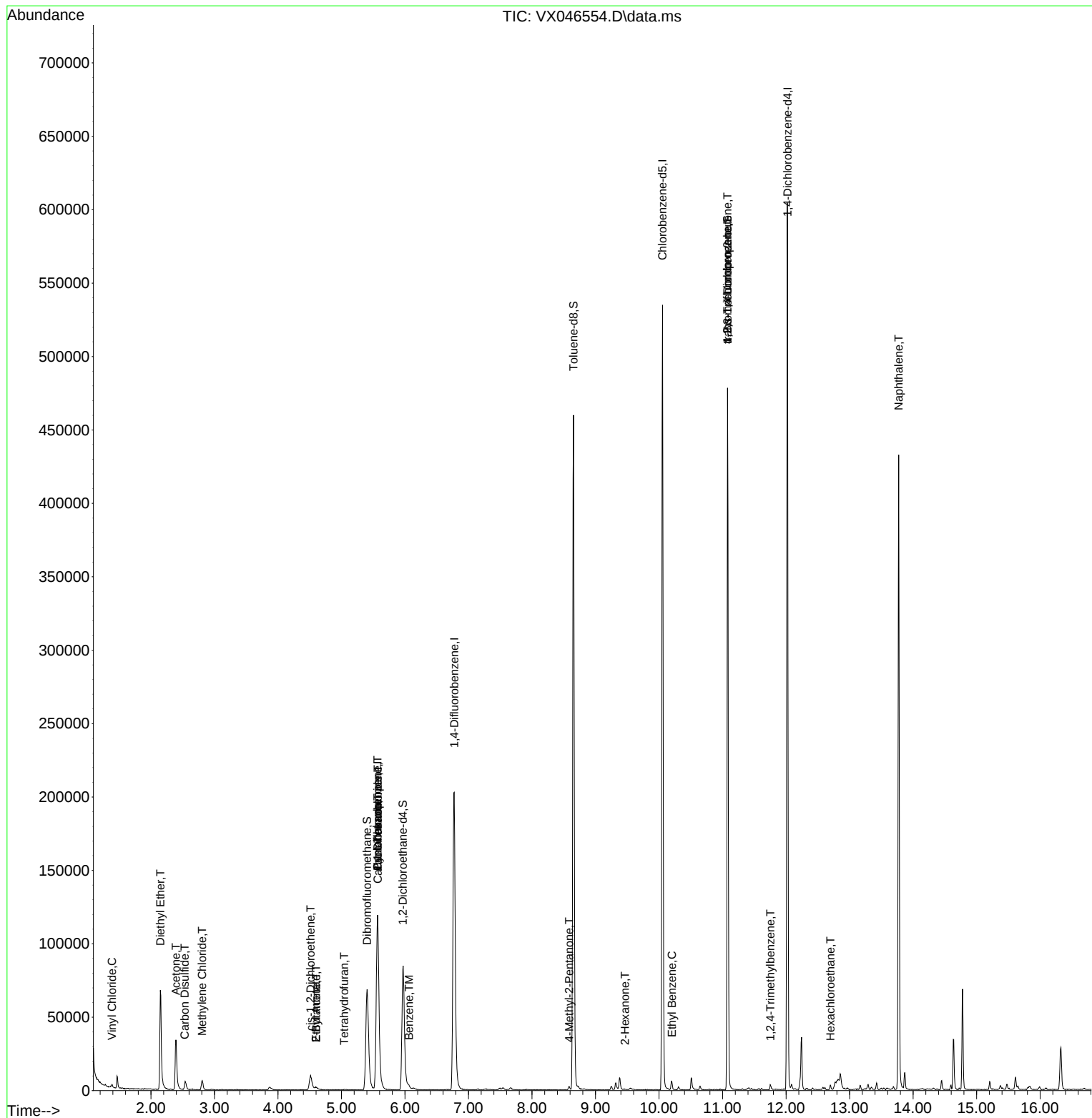
Internal Standards						
1) Pentafluorobenzene	5.568	168	110472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	211587	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	90730	46.163	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.320%
35) Dibromofluoromethane	5.403	113	64811	41.652	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	83.300%
50) Toluene-d8	8.653	98	269634	52.561	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.120%
62) 4-Bromofluorobenzene	11.079	95	125275	59.023	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	118.040%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.386	62	782	0.562	ug/l	92
8) Diethyl Ether	2.148	74	27331	33.596	ug/l	91
16) Acetone	2.392	43	43087	59.395	ug/l	95
17) Carbon Disulfide	2.532	76	1299	0.667	ug/l #	84
20) Methylene Chloride	2.806	84	3120	1.979	ug/l	86
25) 2-Butanone	4.599	43	3728	3.407	ug/l #	88
27) cis-1,2-Dichloroethene	4.513	96	6727	3.937	ug/l	86
29) Tetrahydrofuran	5.044	42	182	0.263	ug/l #	35
31) Cyclohexane	5.568	56	2790	1.221	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	10222	4.599	ug/l #	48
37) Ethyl Acetate	4.599	43	3728	1.719	ug/l #	70
38) Carbon Tetrachloride	5.574	117	12888	5.177	ug/l #	16
40) Benzene	6.062	78	3020	0.483	ug/l #	78
51) 4-Methyl-2-Pentanone	8.586	43	1592	0.662	ug/l	95
59) 2-Hexanone	9.464	43	527	0.306	ug/l #	46
67) Ethyl Benzene	10.201	91	3956	0.435	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	67886	27.359	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	67886	78.920	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.756	105	1981	0.255	ug/l	93
90) Hexachloroethane	12.701	117	1689	1.136	ug/l #	19
95) Naphthalene	13.774	128	253298	29.225	ug/l	100

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

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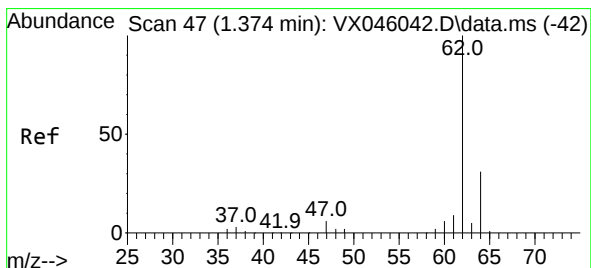
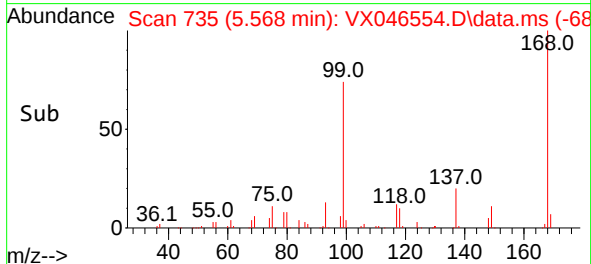
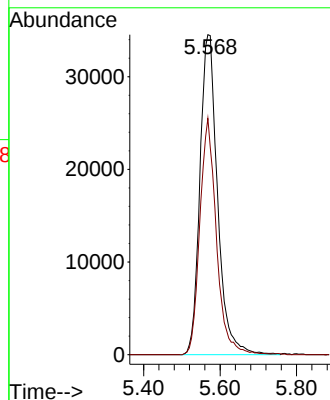
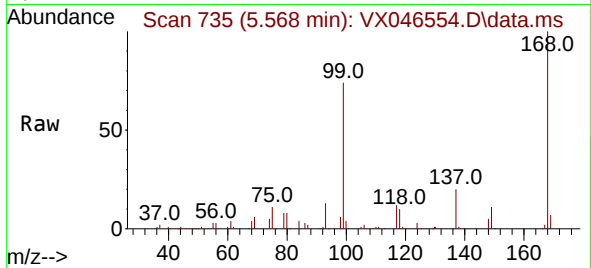




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

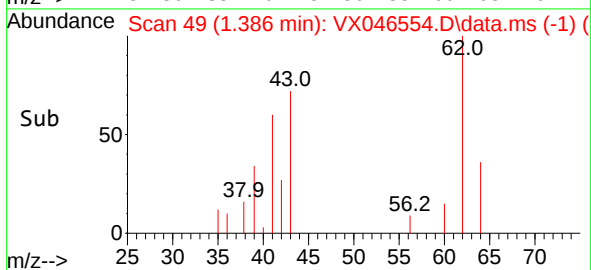
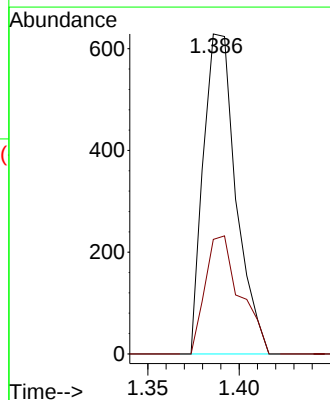
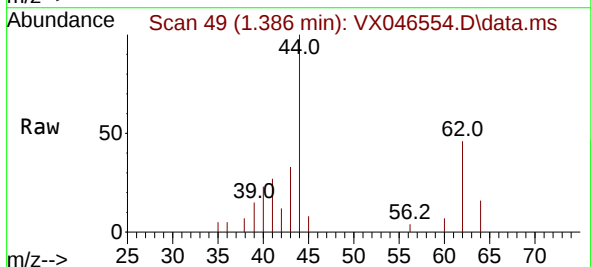
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

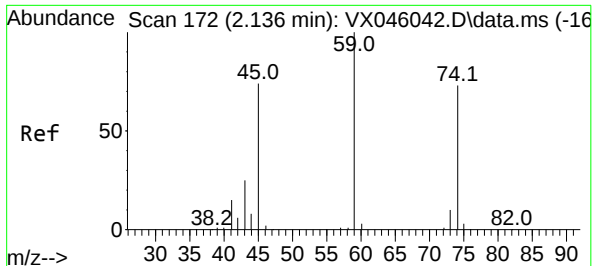
Tgt Ion:168 Resp: 110472
Ion Ratio Lower Upper
168 100
99 73.9 54.9 82.3



#4
Vinyl Chloride
Concen: 0.562 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion: 62 Resp: 782
Ion Ratio Lower Upper
62 100
64 35.8 25.2 37.8

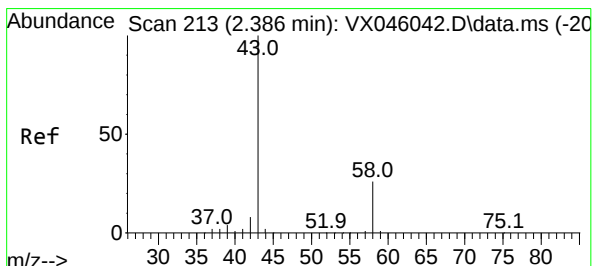
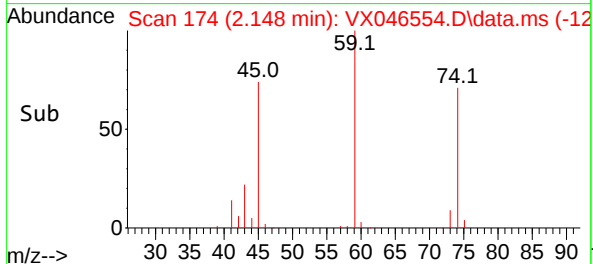
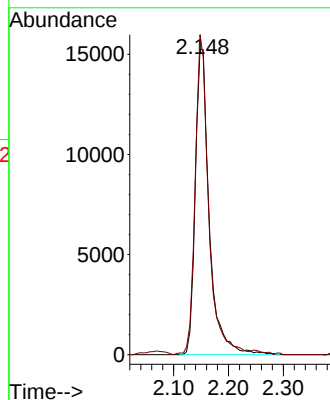
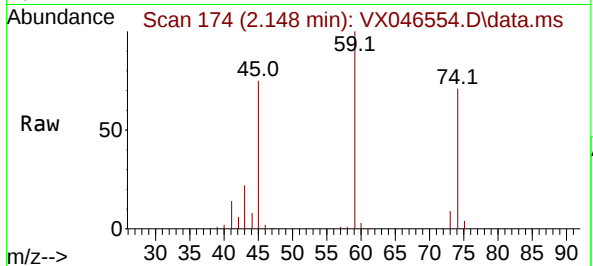




#8
Diethyl Ether
Concen: 33.596 ug/l
RT: 2.148 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

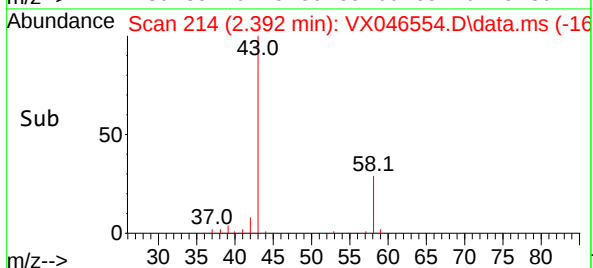
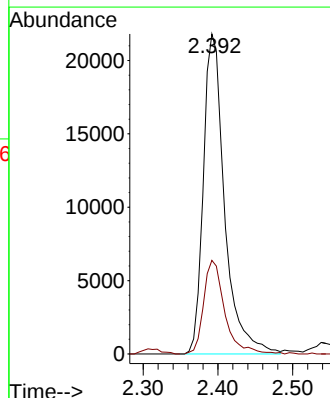
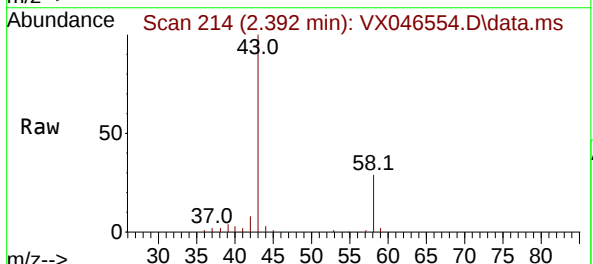
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

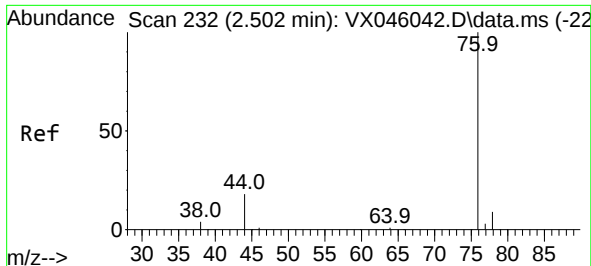
Tgt Ion: 74 Resp: 27331
Ion Ratio Lower Upper
74 100
45 100.6 54.9 164.8



#16
Acetone
Concen: 59.395 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion: 43 Resp: 43087
Ion Ratio Lower Upper
43 100
58 29.3 21.2 31.8





#17

Carbon Disulfide

Concen: 0.667 ug/l

RT: 2.532 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX046554.D

Acq: 07 Jun 2025 04:09

Instrument :

MSVOA_X

ClientSampleId :

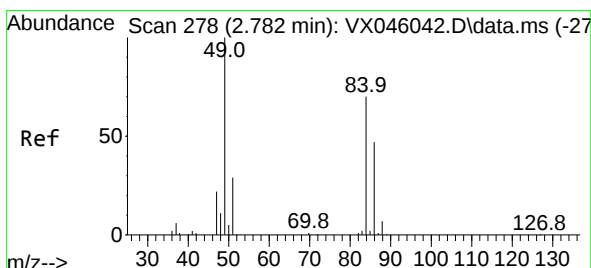
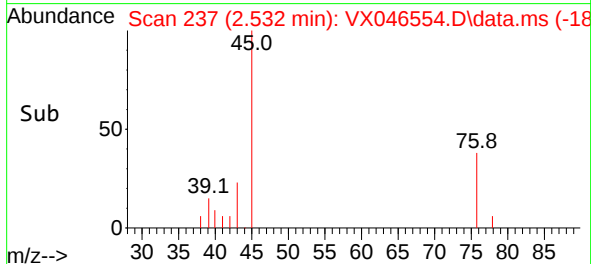
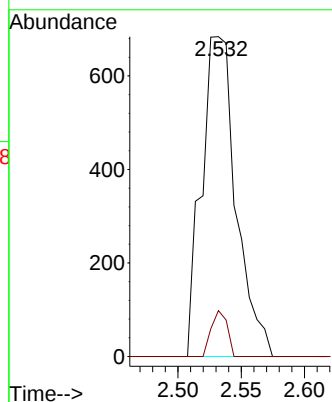
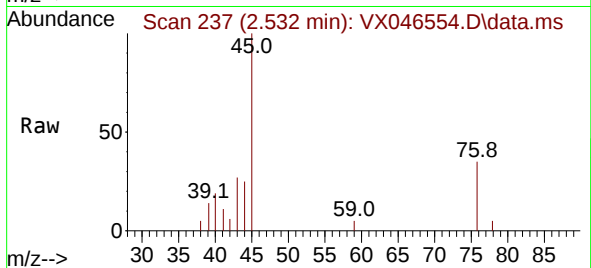
WC-A2-06-G

Tgt Ion: 76 Resp: 1299

Ion Ratio Lower Upper

76 100

78 14.3 7.0 10.4#



#20

Methylene Chloride

Concen: 1.979 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.000 min

Lab File: VX046554.D

Acq: 07 Jun 2025 04:09

Tgt Ion: 84 Resp: 3120

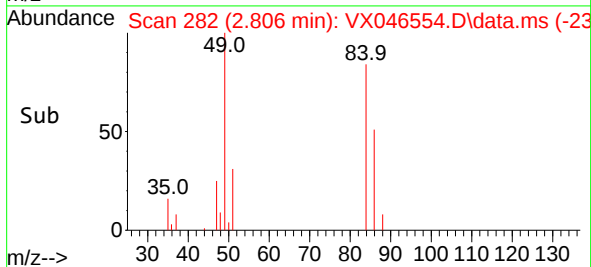
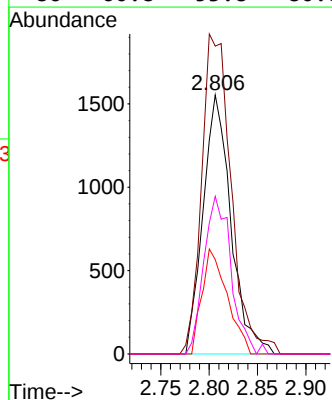
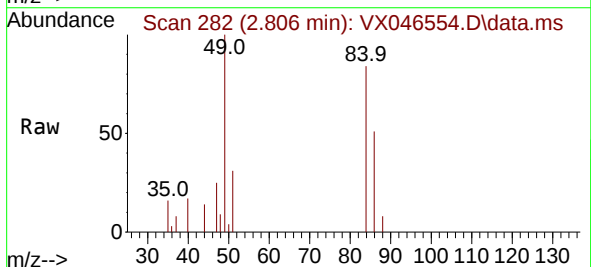
Ion Ratio Lower Upper

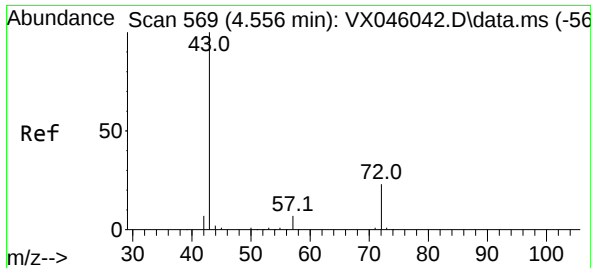
84 100

49 118.9 113.9 170.9

51 36.4 33.5 50.3

86 60.8 53.8 80.8

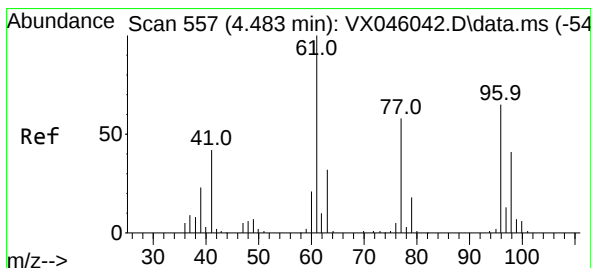
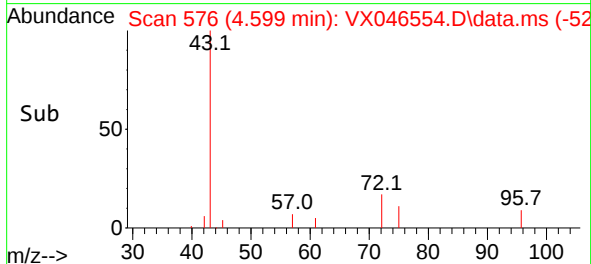
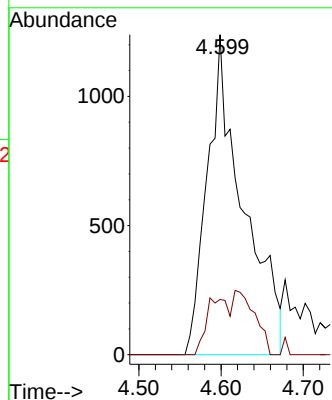
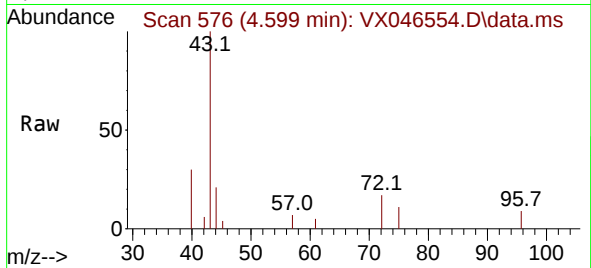




#25
2-Butanone
Concen: 3.407 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

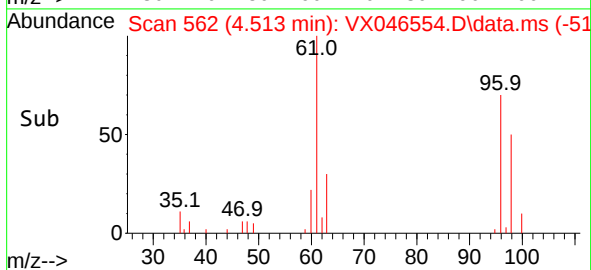
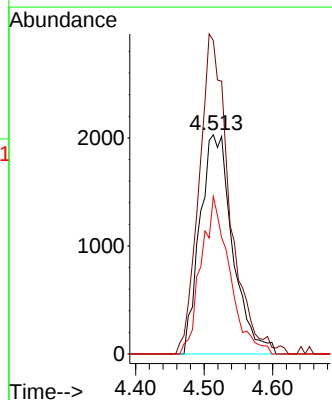
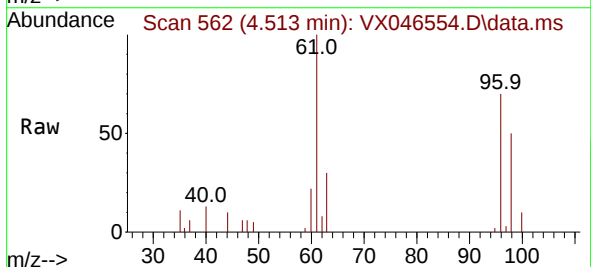
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

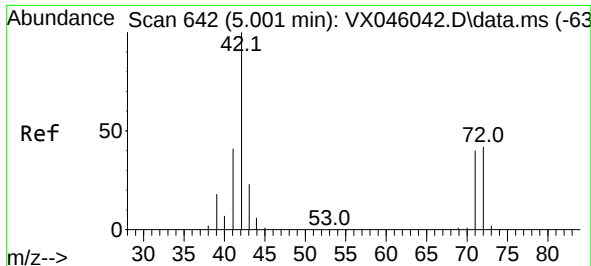
Tgt Ion: 43 Resp: 3728
Ion Ratio Lower Upper
43 100
72 17.3 18.4 27.6#



#27
cis-1,2-Dichloroethene
Concen: 3.937 ug/l
RT: 4.513 min Scan# 562
Delta R.T. 0.006 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion: 96 Resp: 6727
Ion Ratio Lower Upper
96 100
61 136.0 0.0 322.8
98 62.7 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.263 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX046554.D

Acq: 07 Jun 2025 04:09

Instrument :

MSVOA_X

ClientSampleId :

WC-A2-06-G

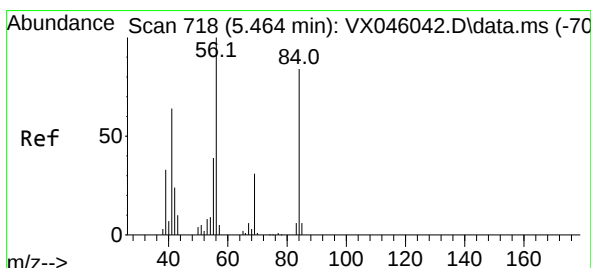
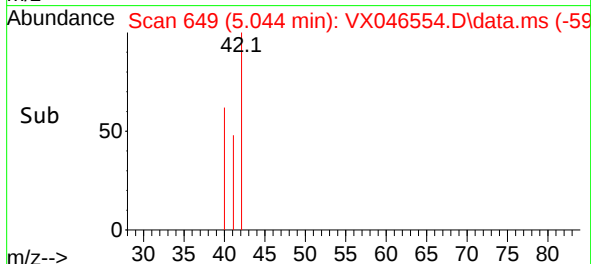
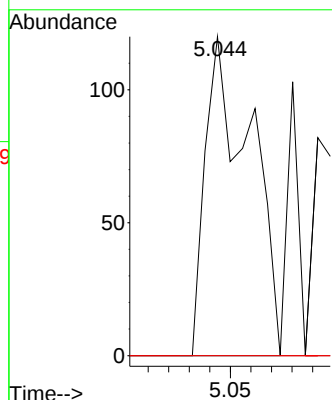
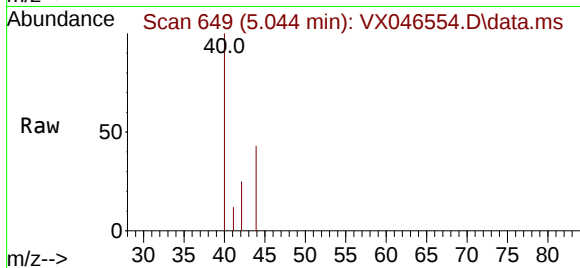
Tgt Ion: 42 Resp: 182

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.4 47.2#



#31

Cyclohexane

Concen: 1.221 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.079 min

Lab File: VX046554.D

Acq: 07 Jun 2025 04:09

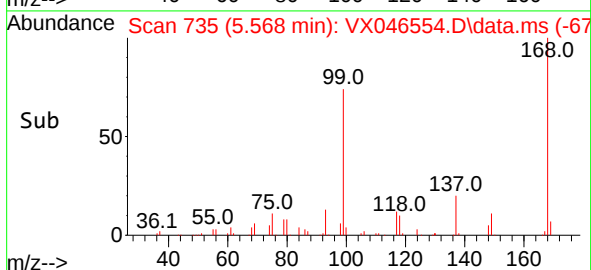
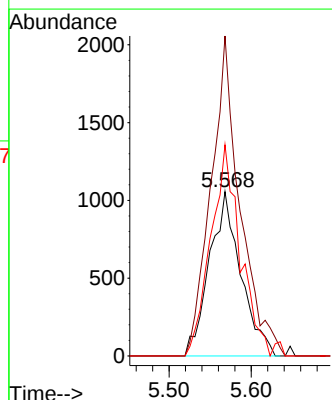
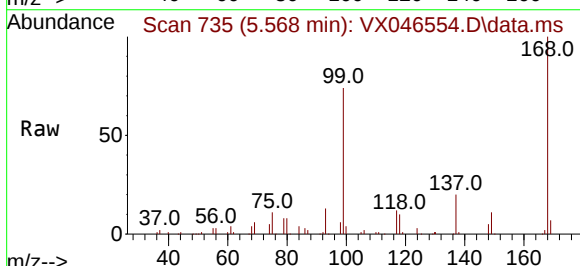
Tgt Ion: 56 Resp: 2790

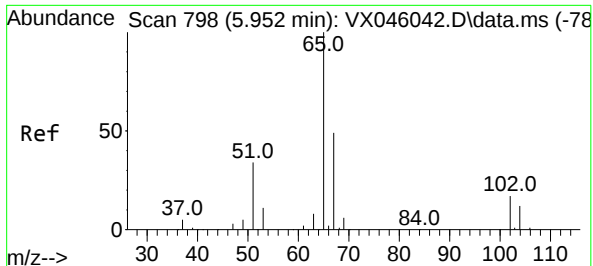
Ion Ratio Lower Upper

56 100

69 194.8 24.4 36.6#

84 128.6 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 46.163 ug/l

RT: 5.964 min Scan# 80

Delta R.T. -0.006 min

Lab File: VX046554.D

Acq: 07 Jun 2025 04:09

Instrument :

MSVOA_X

ClientSampleId :

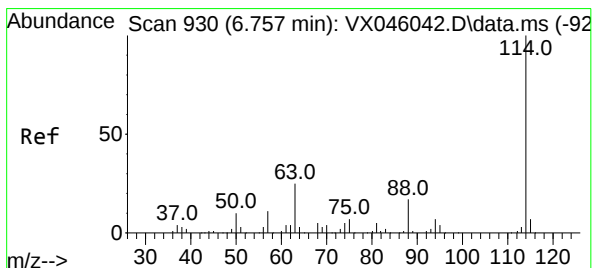
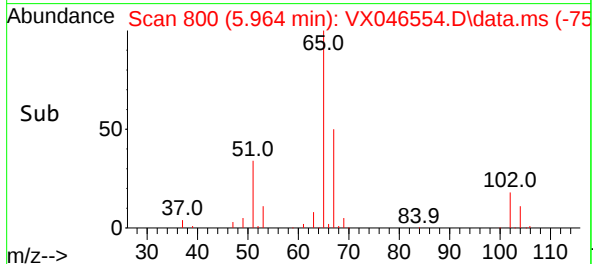
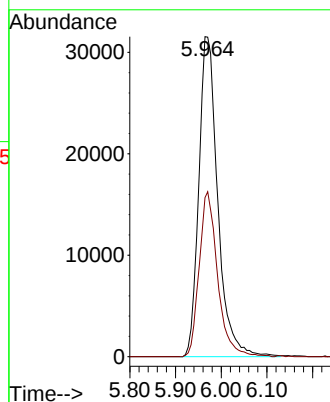
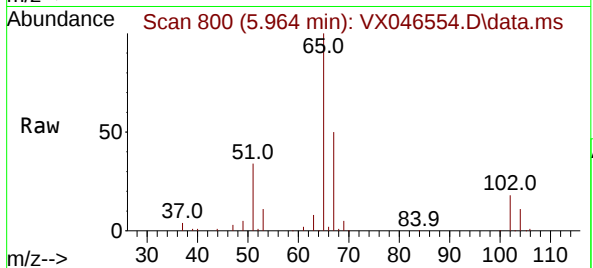
WC-A2-06-G

Tgt Ion: 65 Resp: 90730

Ion Ratio Lower Upper

65 100

67 50.1 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: VX046554.D

Acq: 07 Jun 2025 04:09

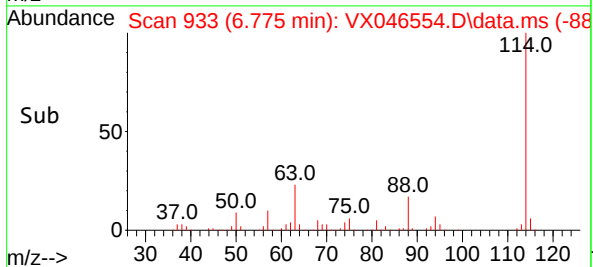
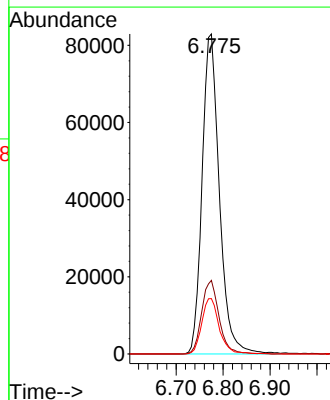
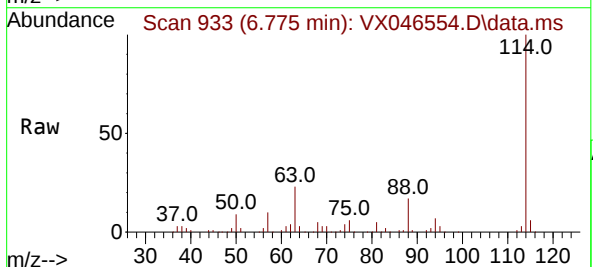
Tgt Ion: 114 Resp: 211587

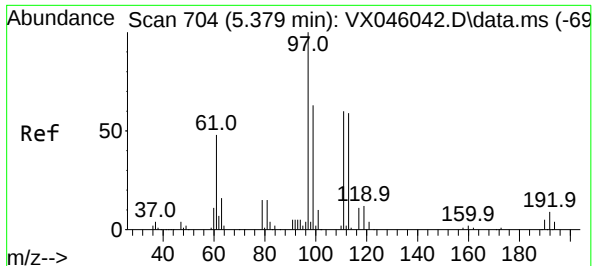
Ion Ratio Lower Upper

114 100

63 23.0 0.0 49.2

88 17.3 0.0 33.6

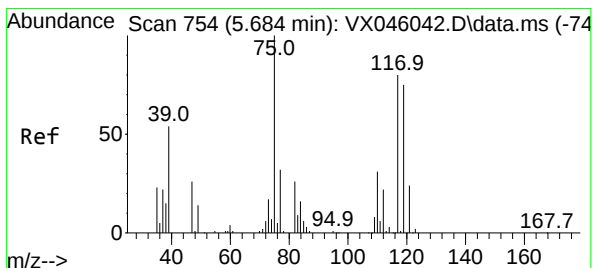
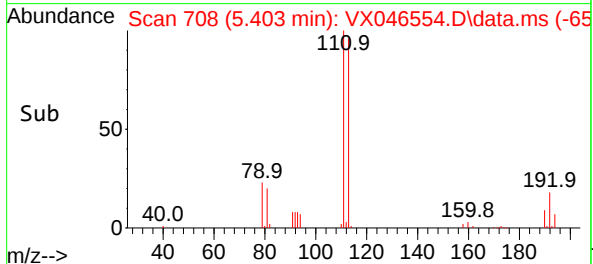
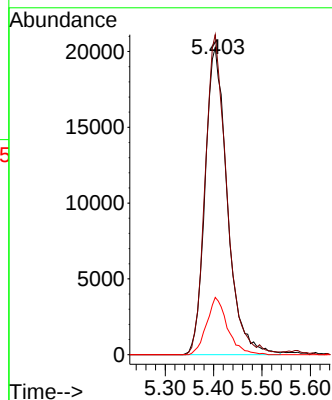
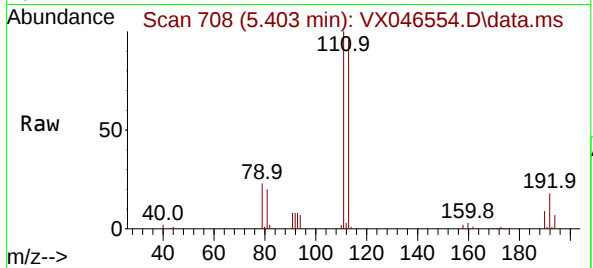




#35
Dibromofluoromethane
Concen: 41.652 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

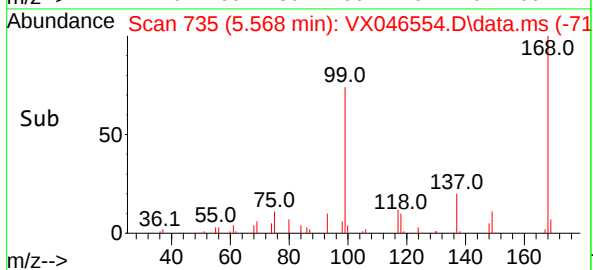
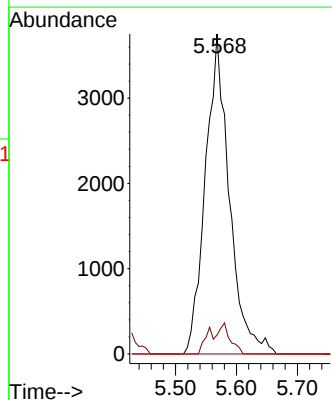
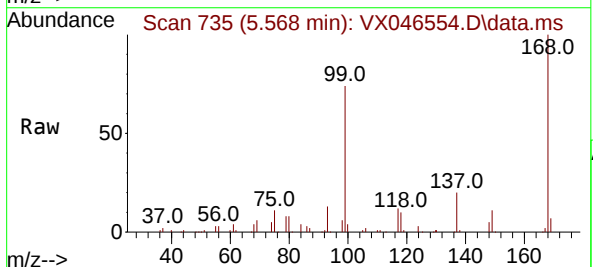
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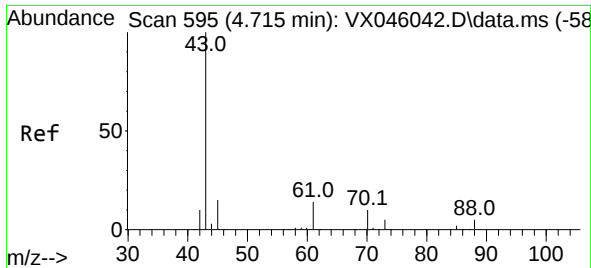
Tgt Ion:113 Resp: 64811
Ion Ratio Lower Upper
113 100
111 101.5 83.1 124.7
192 17.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.599 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion: 75 Resp: 10222
Ion Ratio Lower Upper
75 100
110 5.0 16.3 48.9#
77 0.0 24.3 36.5#

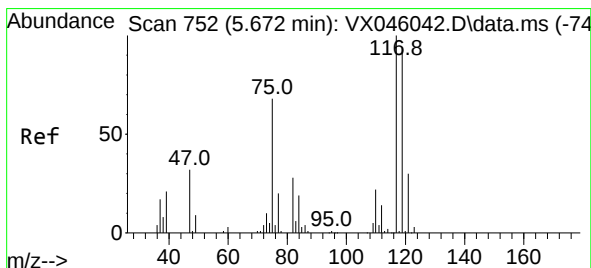
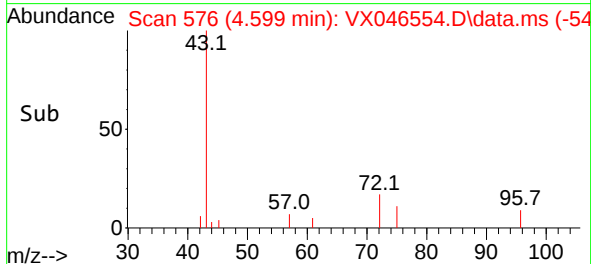
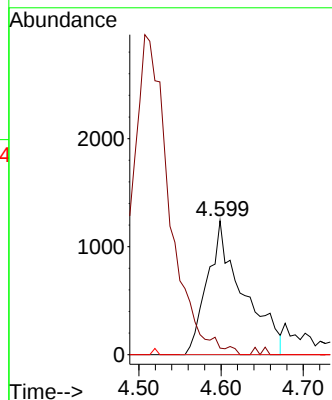
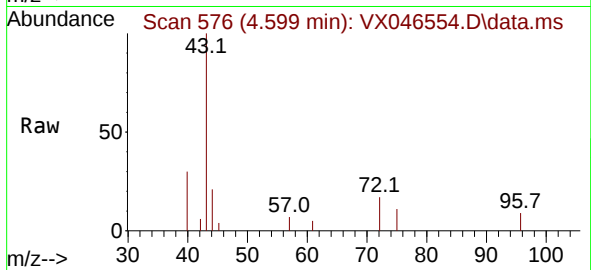




#37
Ethyl Acetate
Concen: 1.719 ug/l
RT: 4.599 min Scan# 51
Delta R.T. -0.134 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

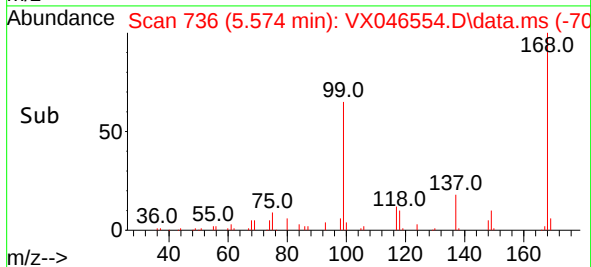
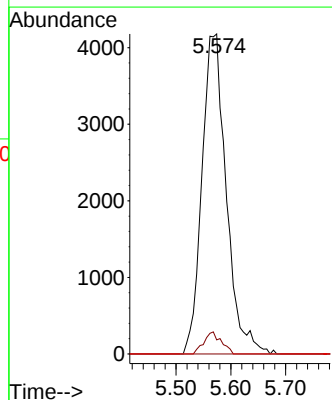
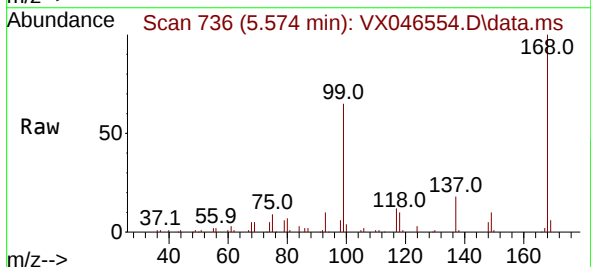
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

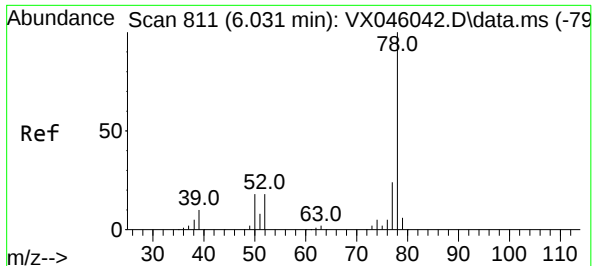
Tgt Ion: 43 Resp: 3728
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.177 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.122 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion: 117 Resp: 12888
Ion Ratio Lower Upper
117 100
119 4.4 75.2 112.8#
121 0.0 24.2 36.4#

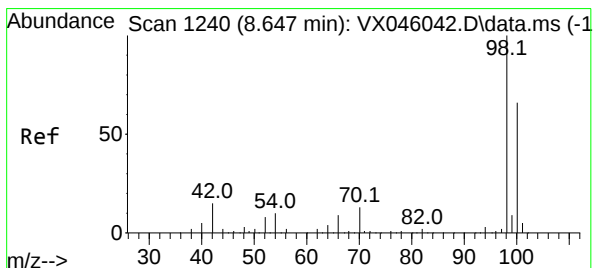
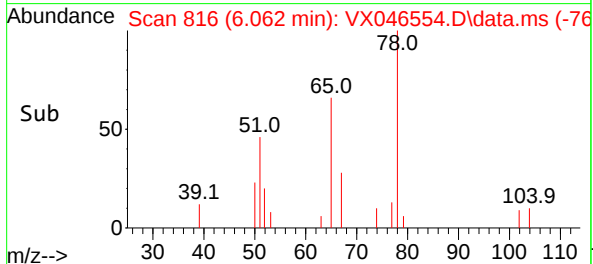
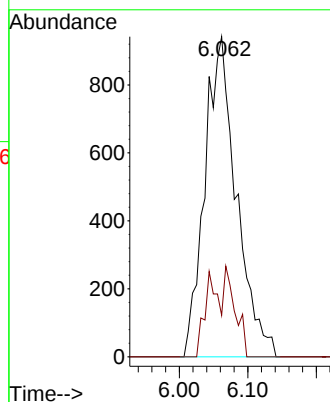
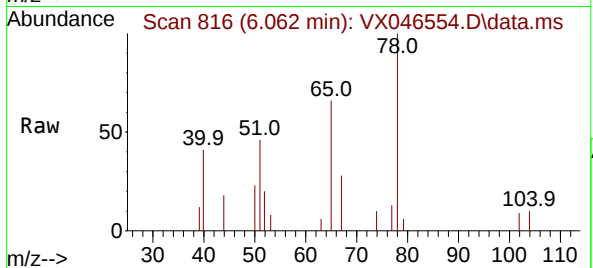




#40
Benzene
Concen: 0.483 ug/l
RT: 6.062 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

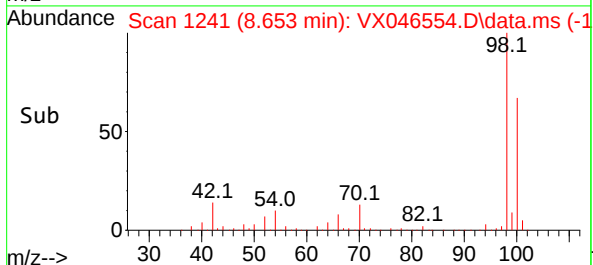
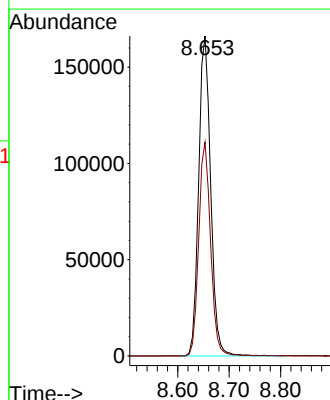
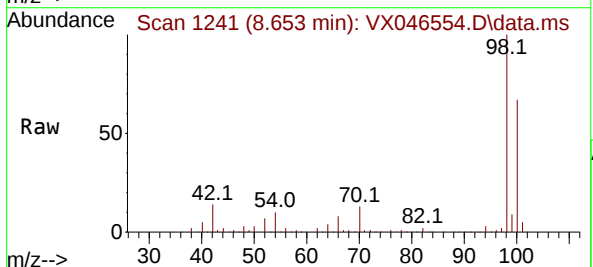
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

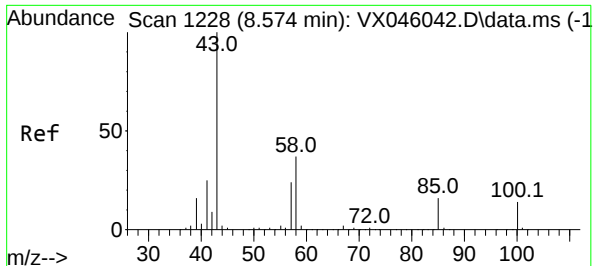
Tgt Ion: 78 Resp: 3020
Ion Ratio Lower Upper
78 100
77 13.0 19.0 28.4#



#50
Toluene-d8
Concen: 52.561 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion: 98 Resp: 269634
Ion Ratio Lower Upper
98 100
100 65.9 53.5 80.3

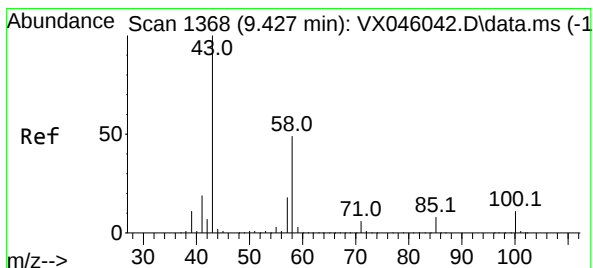
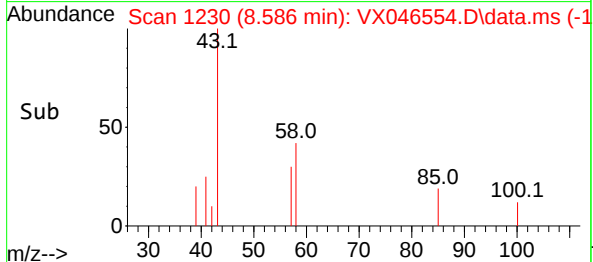
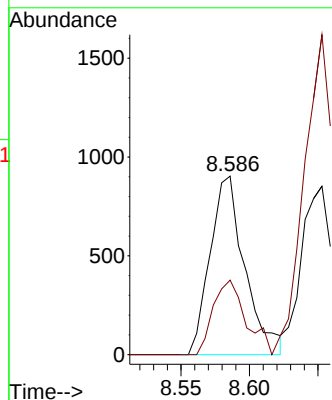
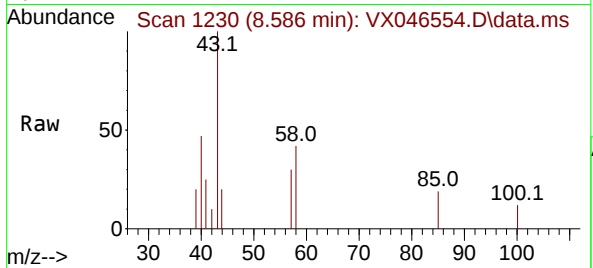




#51
4-Methyl-2-Pentanone
Concen: 0.662 ug/l
RT: 8.586 min Scan# 11
Delta R.T. 0.013 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

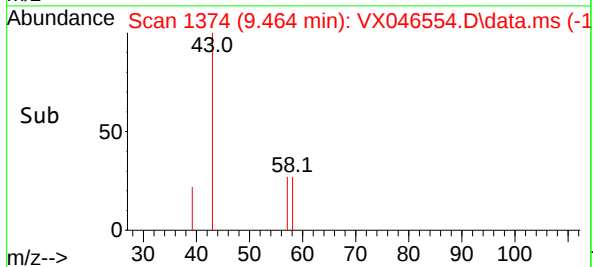
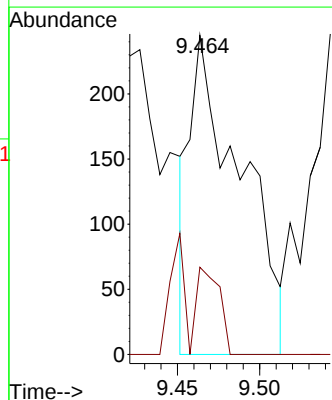
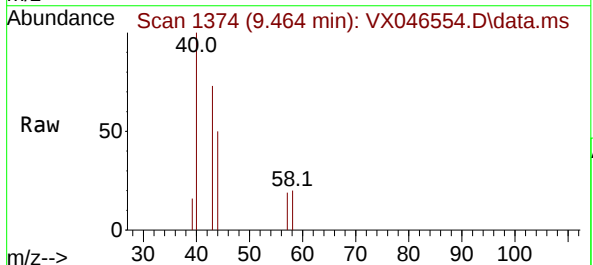
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

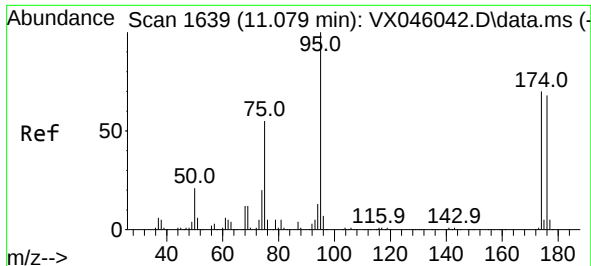
Tgt Ion: 43 Resp: 1592
Ion Ratio Lower Upper
43 100
58 39.3 28.9 43.3



#59
2-Hexanone
Concen: 0.306 ug/l
RT: 9.464 min Scan# 1374
Delta R.T. 0.031 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
58 12.3 24.9 74.6#

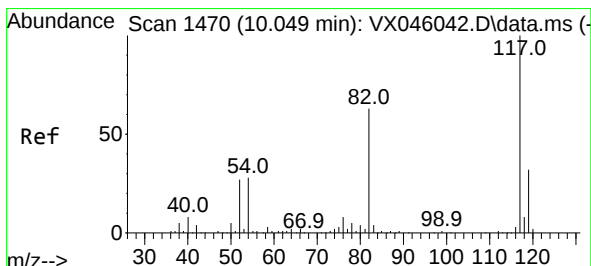
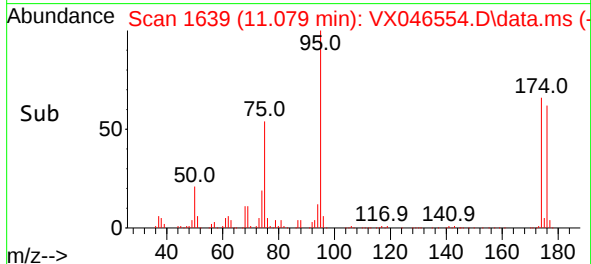
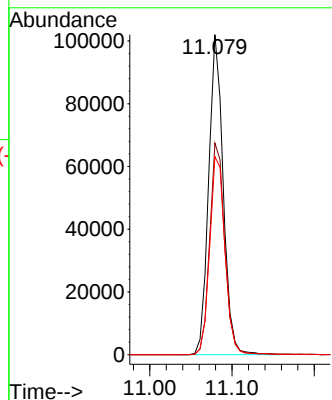
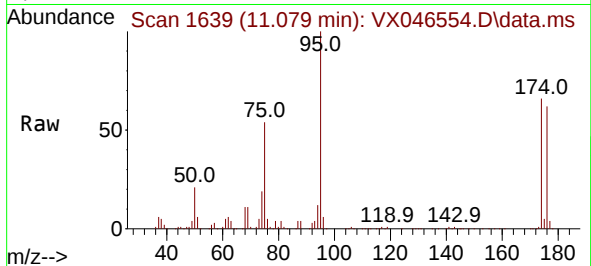




#62
4-Bromofluorobenzene
Concen: 59.023 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

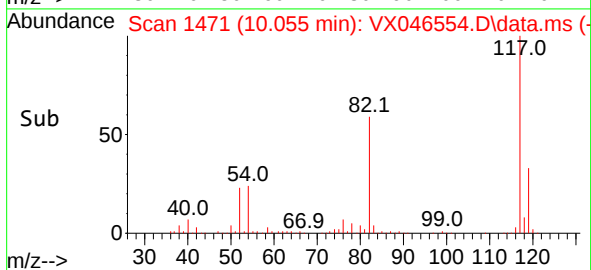
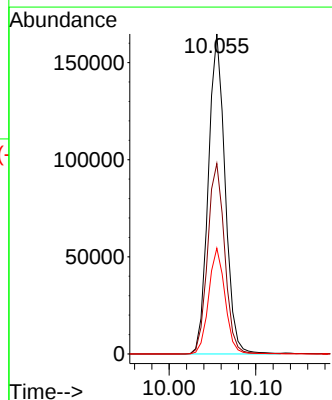
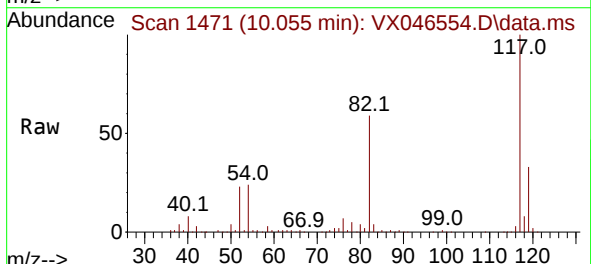
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

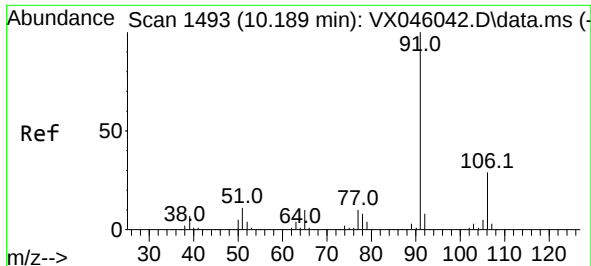
Tgt Ion: 95 Resp: 125275
Ion Ratio Lower Upper
95 100
174 68.5 0.0 135.8
176 65.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion: 117 Resp: 221449
Ion Ratio Lower Upper
117 100
82 59.5 50.6 76.0
119 33.0 25.8 38.6

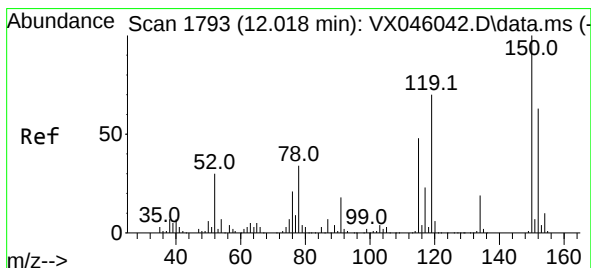
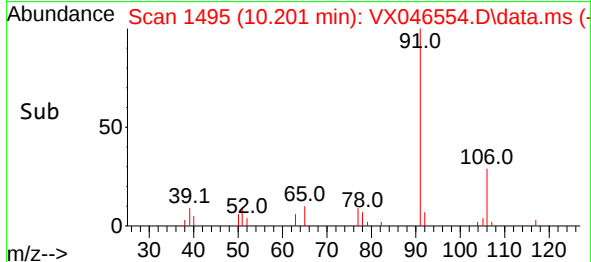
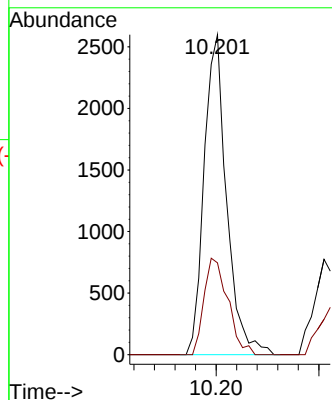
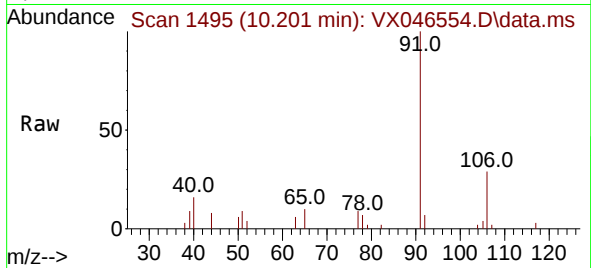




#67
Ethyl Benzene
Concen: 0.435 ug/l
RT: 10.201 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

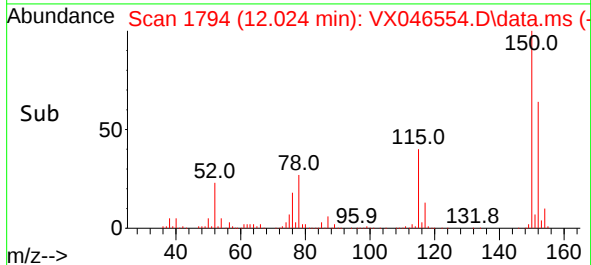
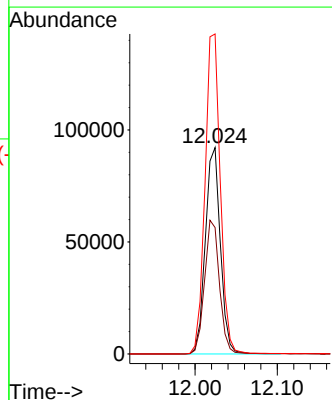
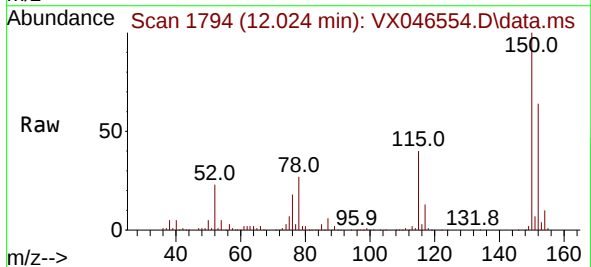
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

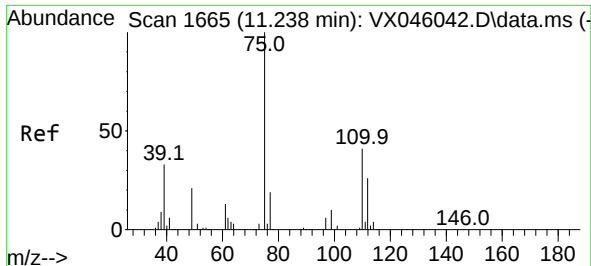
Tgt Ion: 91 Resp: 3956
Ion Ratio Lower Upper
91 100
106 28.7 23.4 35.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion:152 Resp: 117146
Ion Ratio Lower Upper
152 100
115 64.4 46.9 140.7
150 157.7 0.0 351.0

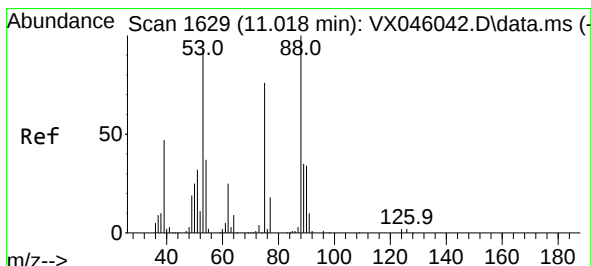
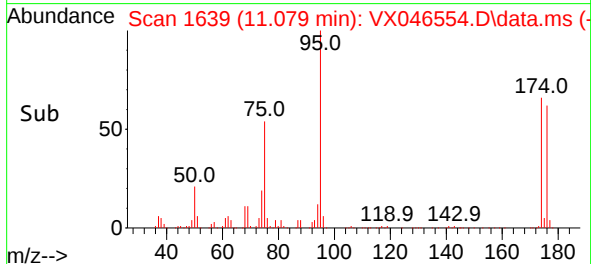
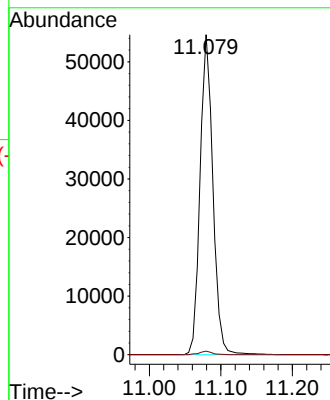
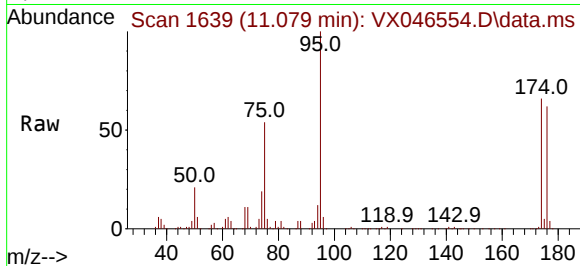




#76
1,2,3-Trichloropropane
Concen: 27.359 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

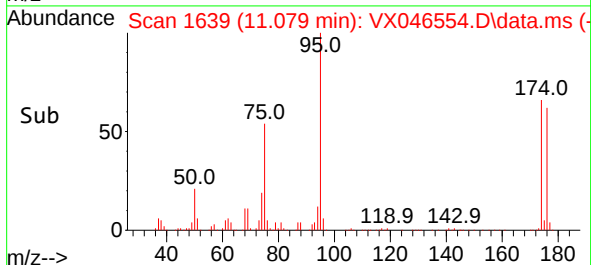
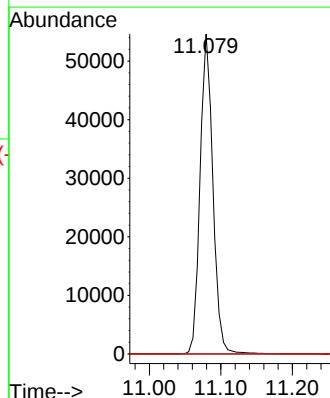
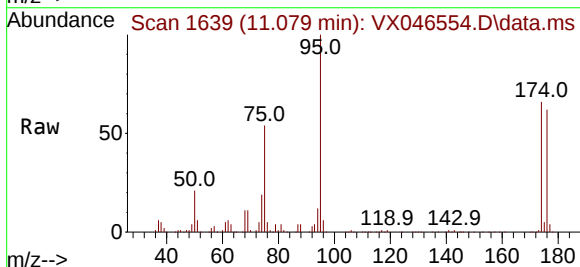
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

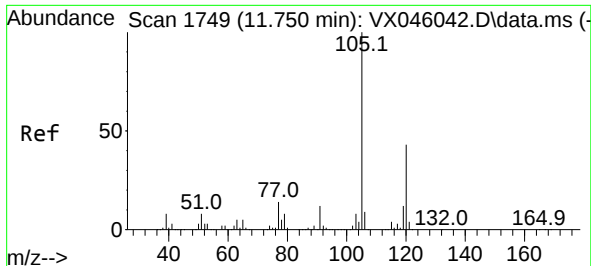
Tgt Ion: 75 Resp: 67886
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.920 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion: 75 Resp: 67886
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

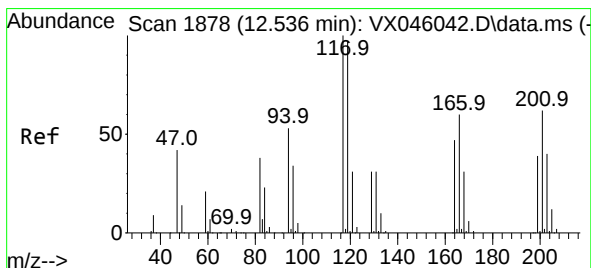
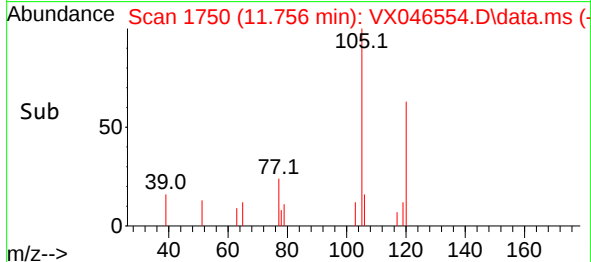
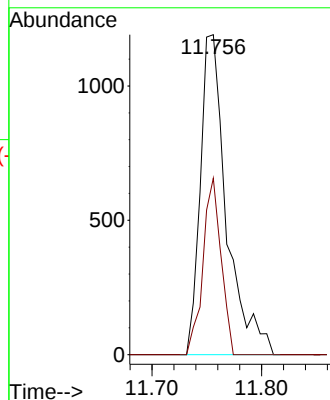
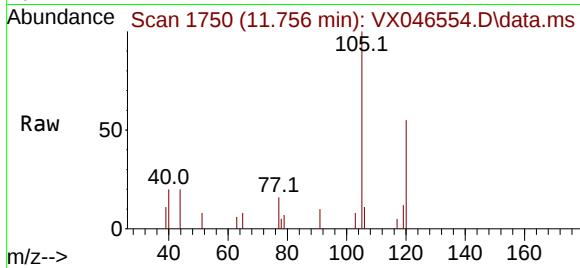




#84
1,2,4-Trimethylbenzene
Concen: 0.255 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

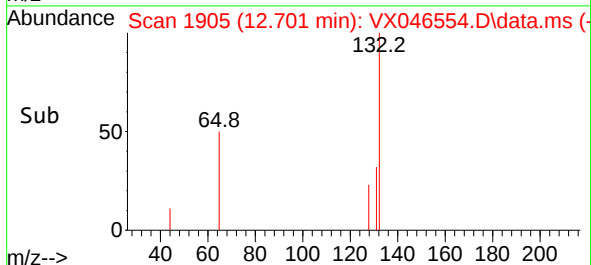
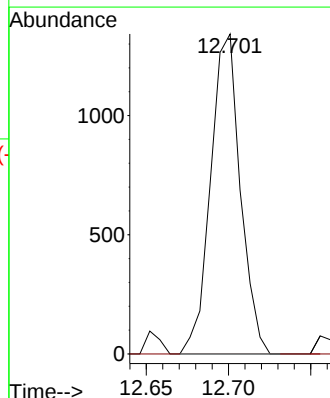
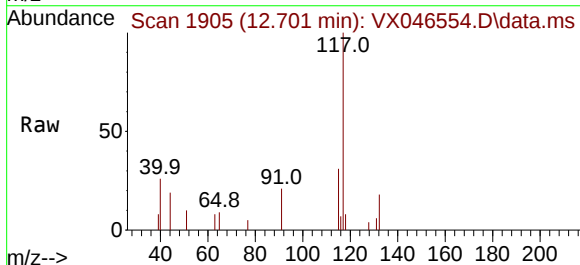
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

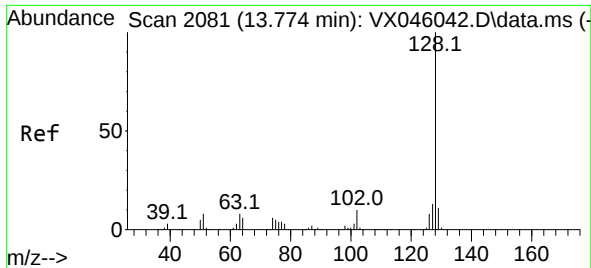
Tgt Ion:105 Resp: 1981
Ion Ratio Lower Upper
105 100
120 37.8 21.2 63.6



#90
Hexachloroethane
Concen: 1.136 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.165 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion:117 Resp: 1689
Ion Ratio Lower Upper
117 100
201 0.0 31.6 94.7#





#95
Naphthalene
Concen: 29.225 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

Tgt Ion:128 Resp: 253298
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.0 8.6 13.0

