

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046558.D
 Acq On : 07 Jun 2025 05:36
 Operator : JC/MD
 Sample : Q2235-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A2-08-G

Quant Time: Jun 07 05:58:43 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)

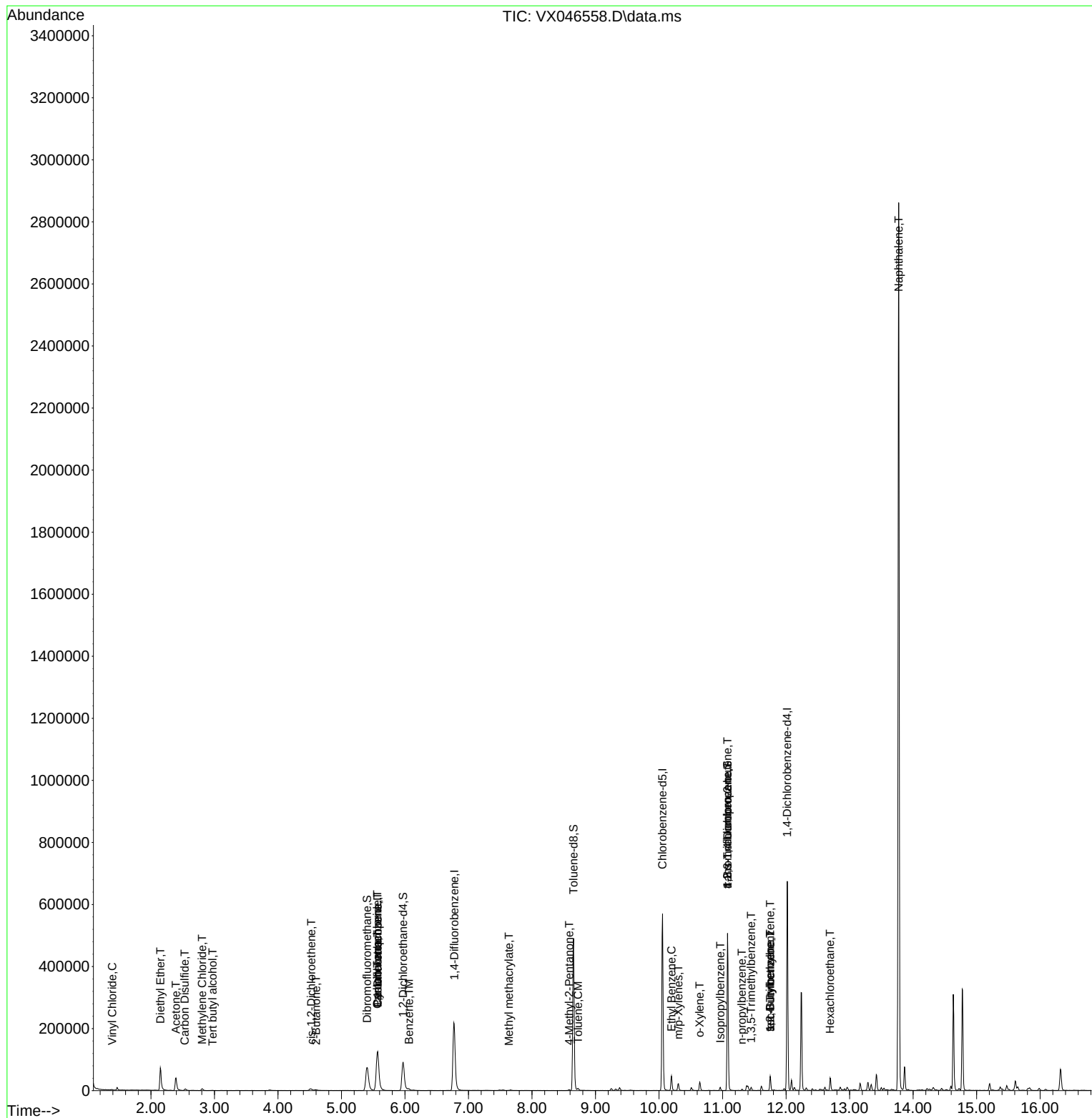
Internal Standards						
1) Pentafluorobenzene	5.568	168	117166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	227378	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	126311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	98927	47.458	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.920%
35) Dibromofluoromethane	5.403	113	71958	43.034	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.060%
50) Toluene-d8	8.653	98	287957	52.234	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.460%
62) 4-Bromofluorobenzene	11.079	95	136078	59.660	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	119.320%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.392	62	488	0.331	ug/l	95
8) Diethyl Ether	2.148	74	28154	32.630	ug/l	93
11) Tert butyl alcohol	2.971	59	99	0.428	ug/l #	72
16) Acetone	2.392	43	51773	66.681	ug/l	94
17) Carbon Disulfide	2.532	76	1230	0.617	ug/l #	76
20) Methylene Chloride	2.806	84	2694	1.611	ug/l	94
25) 2-Butanone	4.599	43	5572	4.802	ug/l	98
27) cis-1,2-Dichloroethene	4.526	96	4122	2.275	ug/l	84
31) Cyclohexane	5.568	56	2914	1.202	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	10775	4.511	ug/l #	52
38) Carbon Tetrachloride	5.562	117	13676	5.112	ug/l #	15
40) Benzene	6.062	78	5554	0.826	ug/l	96
48) Methyl methacrylate	7.635	41	472	0.226	ug/l #	27
51) 4-Methyl-2-Pentanone	8.586	43	1831	0.709	ug/l	96
52) Toluene	8.726	92	1929	0.467	ug/l	88
67) Ethyl Benzene	10.195	91	26441	2.695	ug/l	96
68) m/p-Xylenes	10.305	106	5226	1.468	ug/l	96
69) o-Xylene	10.640	106	5834	1.694	ug/l	97
73) Isopropylbenzene	10.963	105	5072	0.511	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	72951	27.267	ug/l #	36
78) n-propylbenzene	11.305	91	2980	0.248	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	4784	0.578	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	72951	78.655	ug/l #	1
83) tert-Butylbenzene	11.750	119	2435	0.289	ug/l #	67
84) 1,2,4-Trimethylbenzene	11.750	105	19748	2.359	ug/l	100
85) sec-Butylbenzene	11.750	105	19748	1.825	ug/l #	57
90) Hexachloroethane	12.695	117	15997	9.976	ug/l #	19
95) Naphthalene	13.774	128	1658883	177.512	ug/l	100

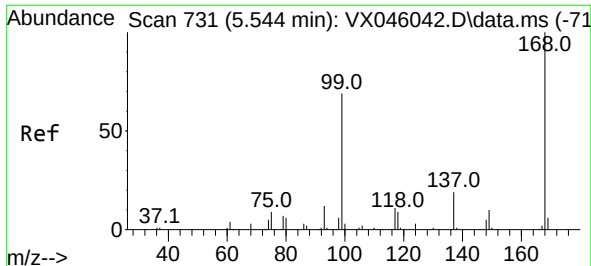
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

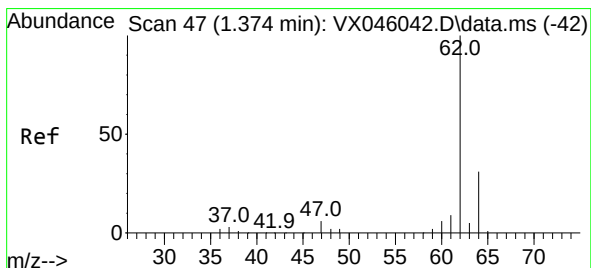
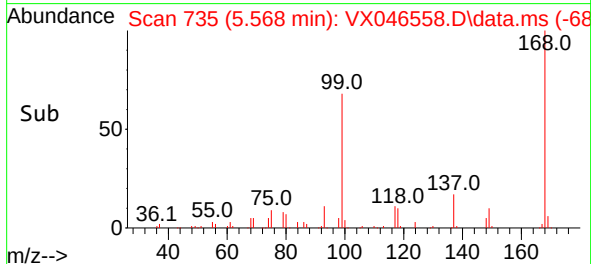
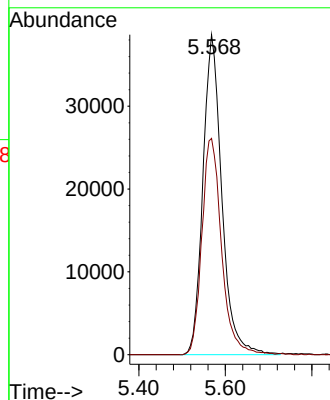
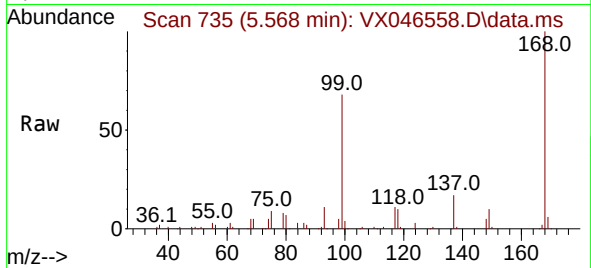




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

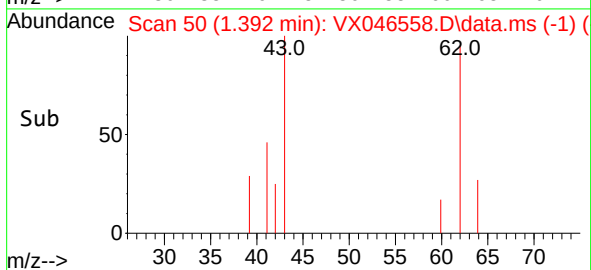
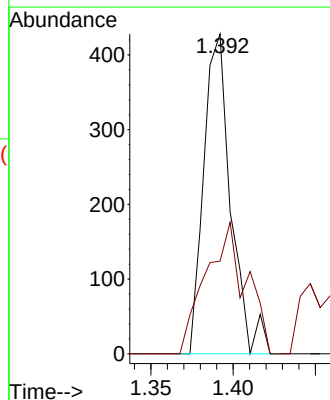
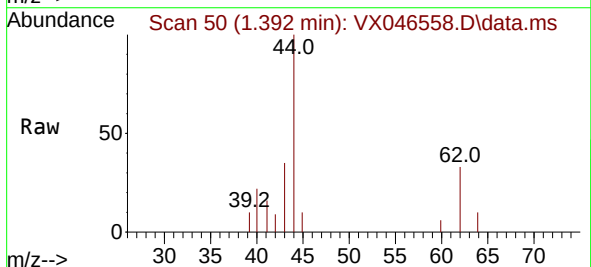
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-08-G

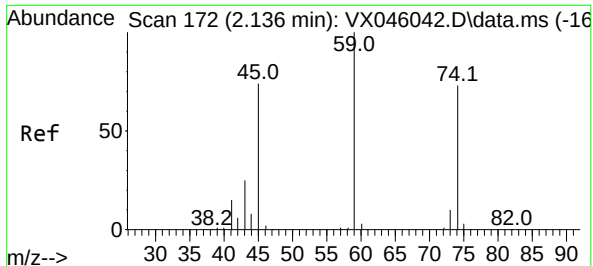
Tgt Ion:168 Resp: 117166
Ion Ratio Lower Upper
168 100
99 67.6 54.9 82.3



#4
Vinyl Chloride
Concen: 0.331 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

Tgt Ion: 62 Resp: 488
Ion Ratio Lower Upper
62 100
64 29.0 25.2 37.8

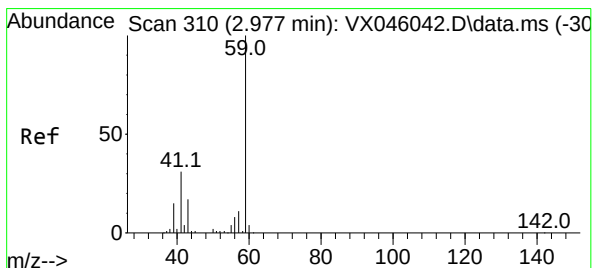
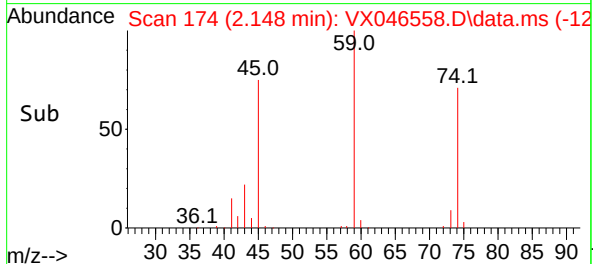
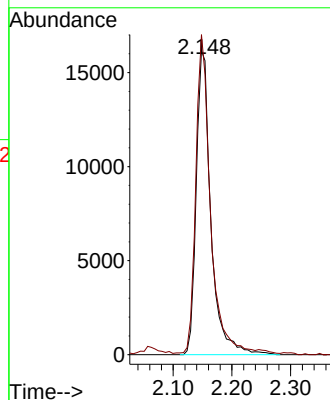
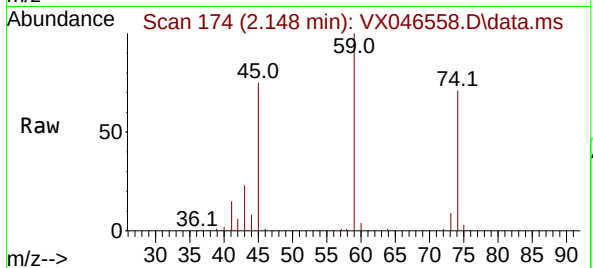




#8
Diethyl Ether
Concen: 32.630 ug/l
RT: 2.148 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

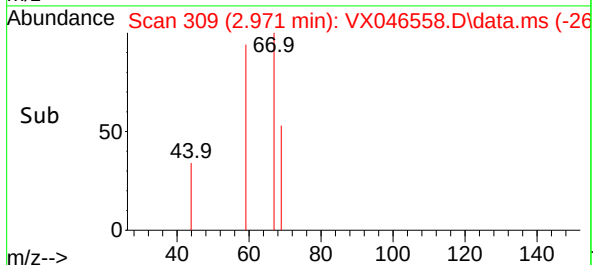
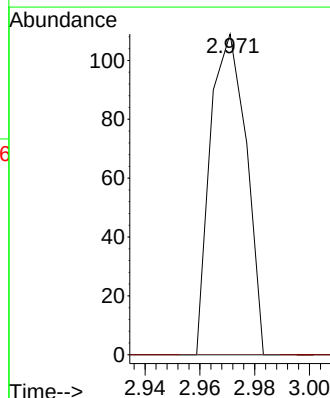
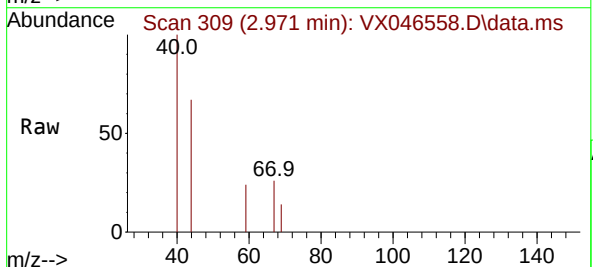
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-08-G

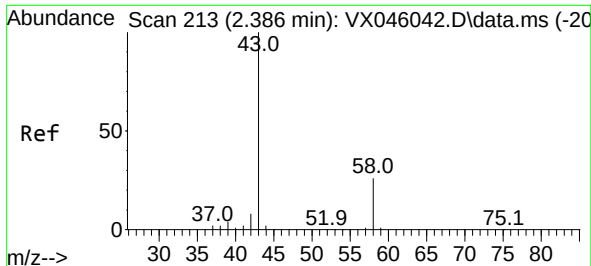
Tgt Ion: 74 Resp: 28154
Ion Ratio Lower Upper
74 100
45 102.6 54.9 164.8



#11
Tert butyl alcohol
Concen: 0.428 ug/l
RT: 2.971 min Scan# 309
Delta R.T. 0.000 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

Tgt Ion: 59 Resp: 99
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

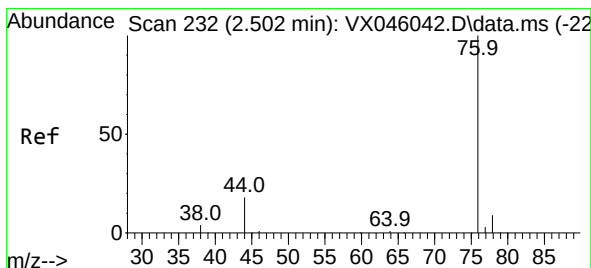
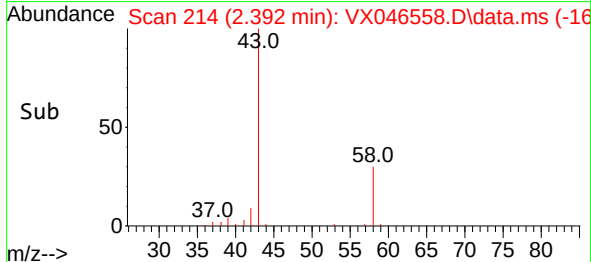
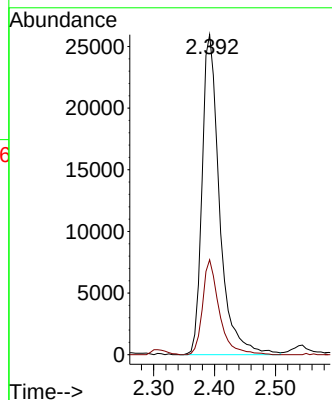
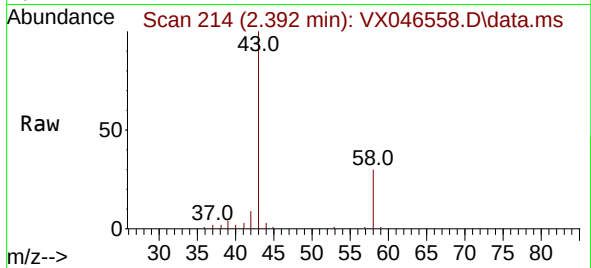




#16
Acetone
Concen: 66.681 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

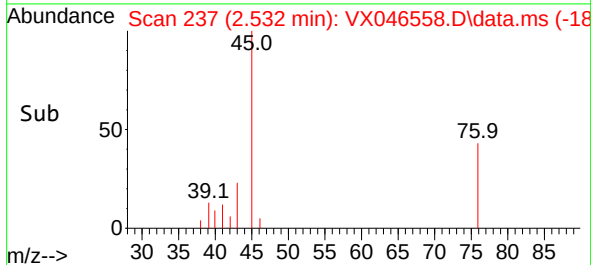
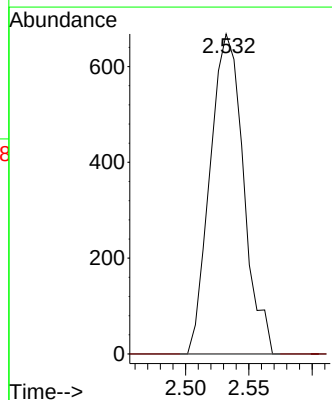
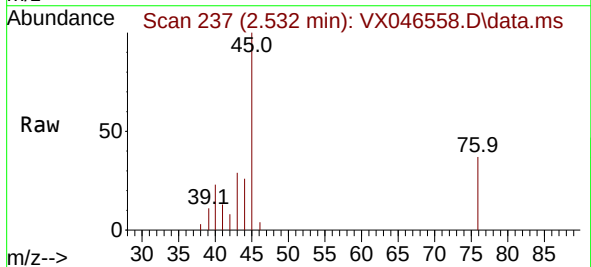
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-08-G

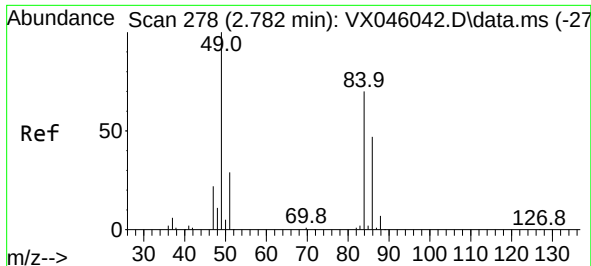
Tgt Ion: 43 Resp: 51773
Ion Ratio Lower Upper
43 100
58 29.6 21.2 31.8



#17
Carbon Disulfide
Concen: 0.617 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

Tgt Ion: 76 Resp: 1230
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



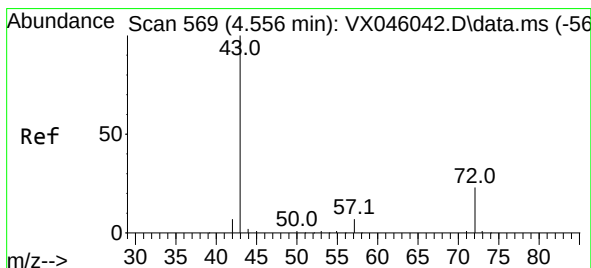
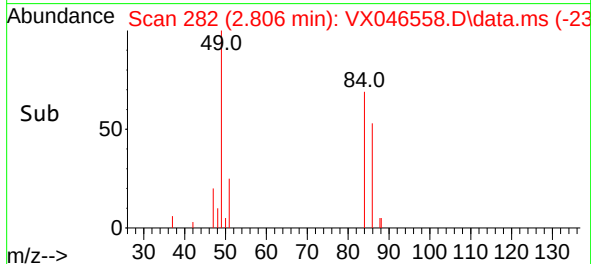
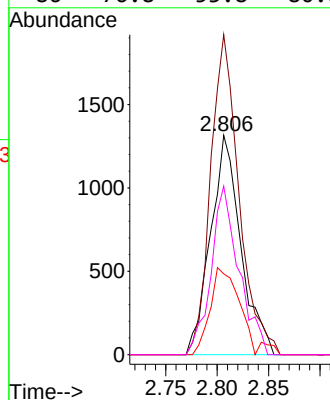
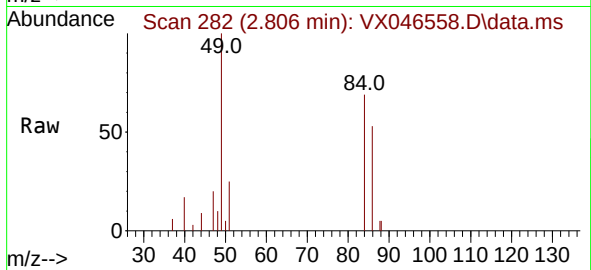


#20
Methylene Chloride
Concen: 1.611 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-08-G

Tgt Ion: 84 Resp: 2694

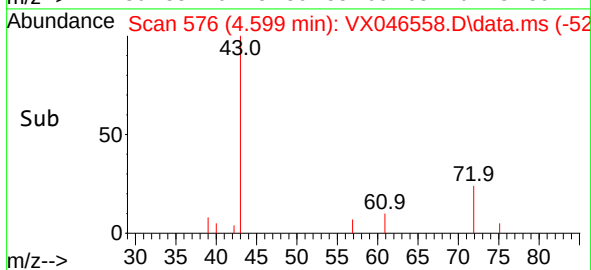
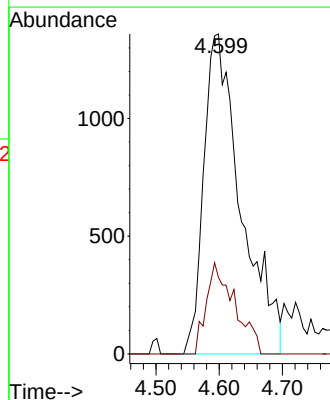
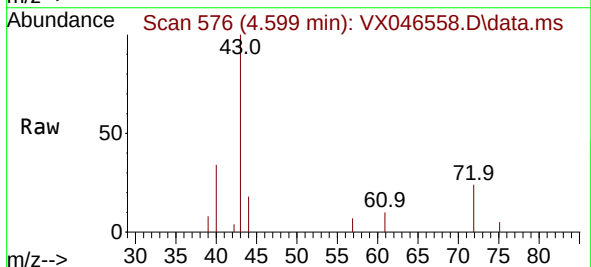
Ion	Ratio	Lower	Upper
84	100		
49	145.9	113.9	170.9
51	36.8	33.5	50.3
86	76.8	53.8	80.8

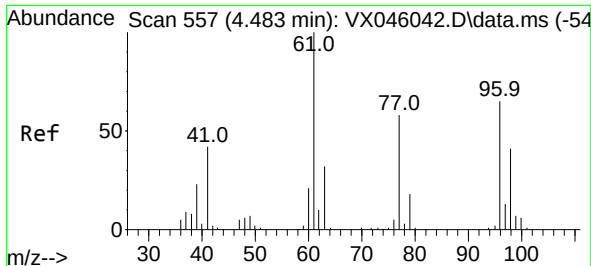


#25
2-Butanone
Concen: 4.802 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.025 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

Tgt Ion: 43 Resp: 5572

Ion	Ratio	Lower	Upper
43	100		
72	23.9	18.4	27.6





#27

cis-1,2-Dichloroethene

Concen: 2.275 ug/l

RT: 4.526 min Scan# 50

Delta R.T. 0.019 min

Lab File: VX046558.D

Acq: 07 Jun 2025 05:36

Instrument :

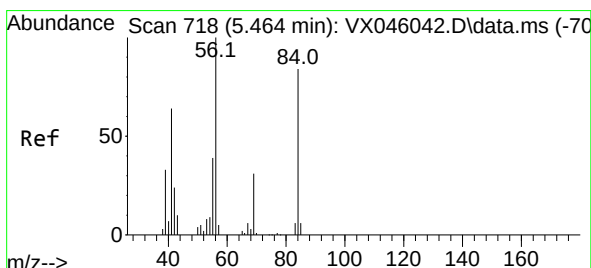
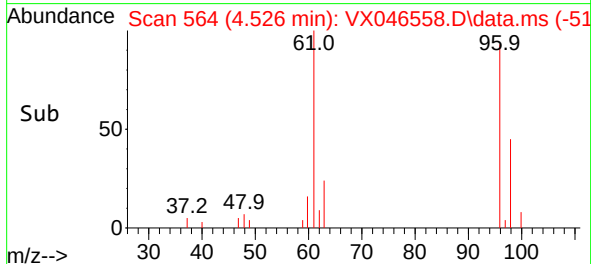
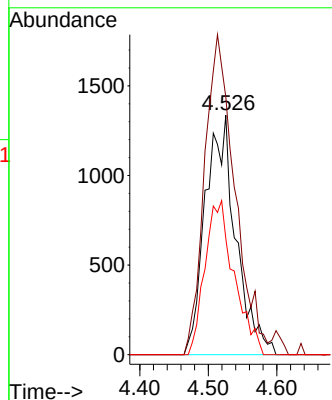
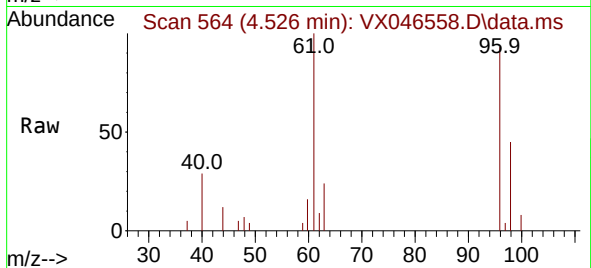
MSVOA_X

ClientSampleId :

WC-A2-08-G

Tgt Ion: 96 Resp: 4122

Ion	Ratio	Lower	Upper
96	100		
61	133.1	0.0	322.8
98	61.9	0.0	129.0



#31

Cyclohexane

Concen: 1.202 ug/l

RT: 5.568 min Scan# 735

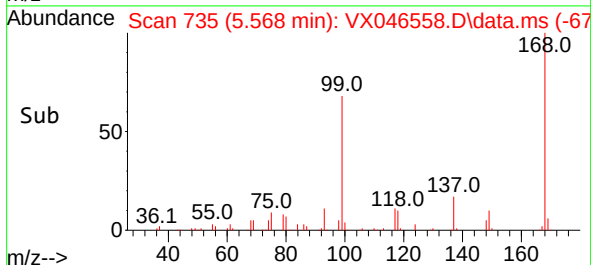
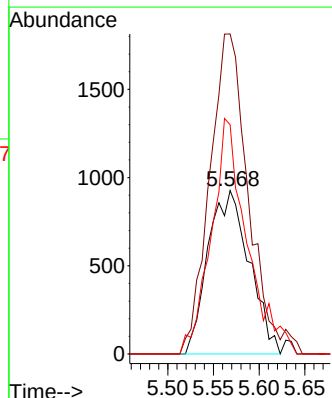
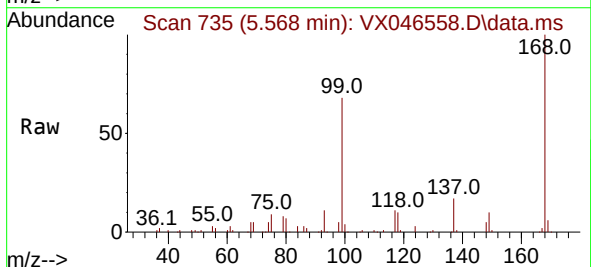
Delta R.T. 0.079 min

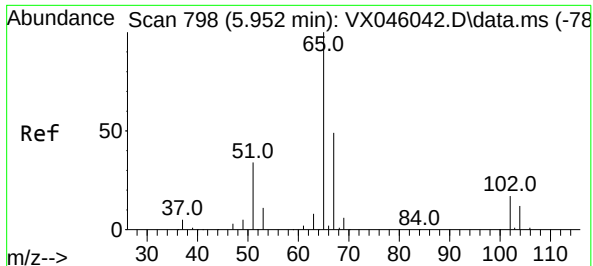
Lab File: VX046558.D

Acq: 07 Jun 2025 05:36

Tgt Ion: 56 Resp: 2914

Ion	Ratio	Lower	Upper
56	100		
69	195.9	24.4	36.6#
84	140.4	66.9	100.3#





#33

1,2-Dichloroethane-d4

Concen: 47.458 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046558.D

Acq: 07 Jun 2025 05:36

Instrument :

MSVOA_X

ClientSampleId :

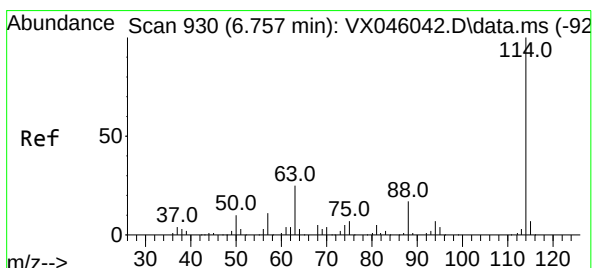
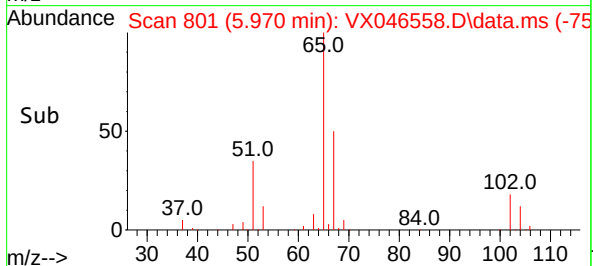
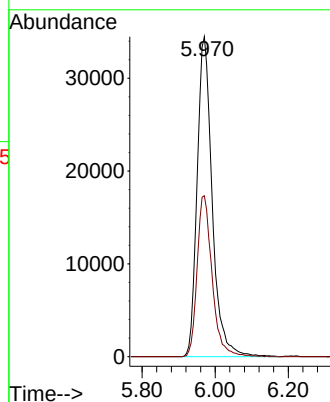
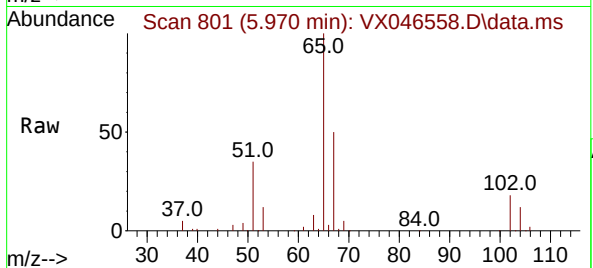
WC-A2-08-G

Tgt Ion: 65 Resp: 98927

Ion Ratio Lower Upper

65 100

67 50.2 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: VX046558.D

Acq: 07 Jun 2025 05:36

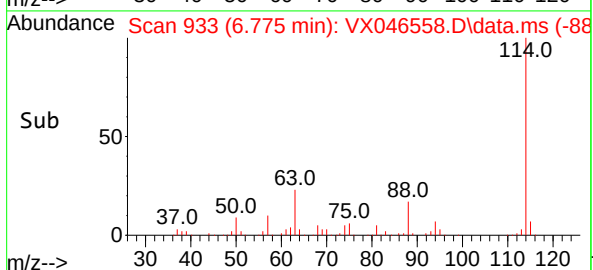
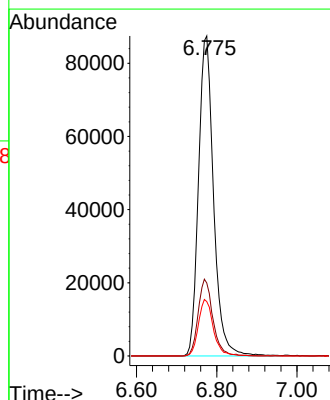
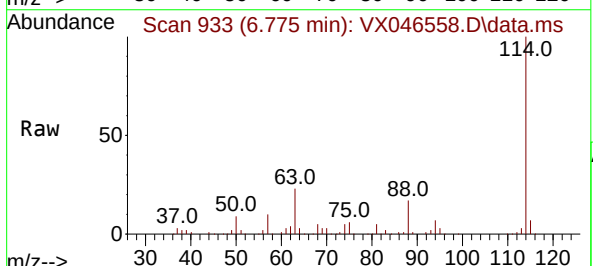
Tgt Ion: 114 Resp: 227378

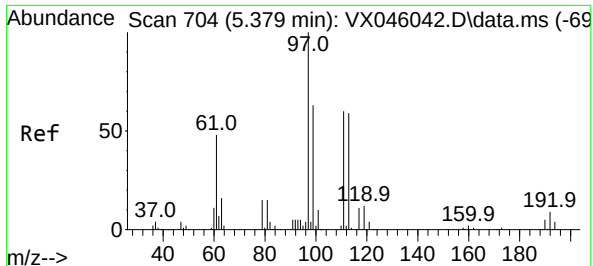
Ion Ratio Lower Upper

114 100

63 22.8 0.0 49.2

88 17.0 0.0 33.6

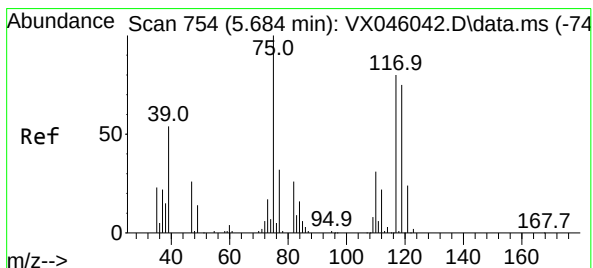
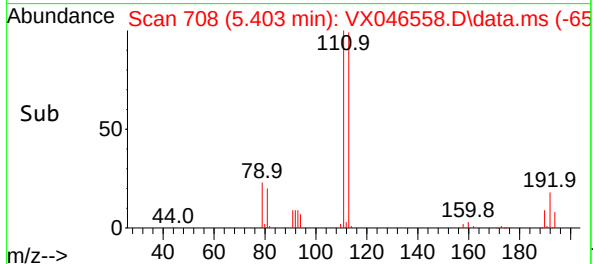
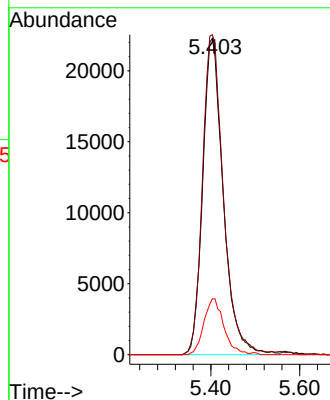
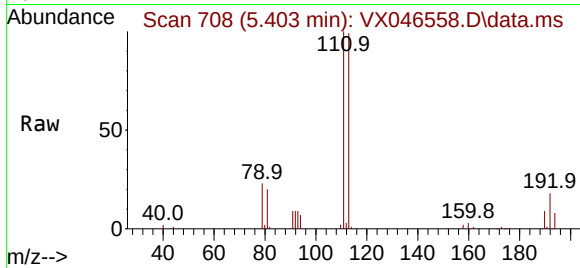




#35
Dibromofluoromethane
Concen: 43.034 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

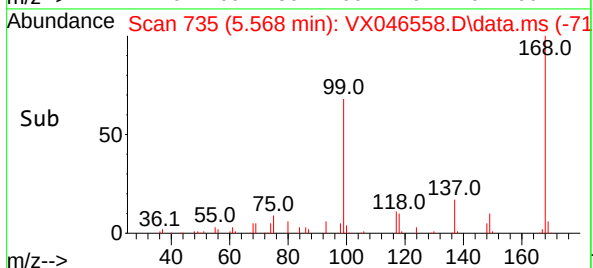
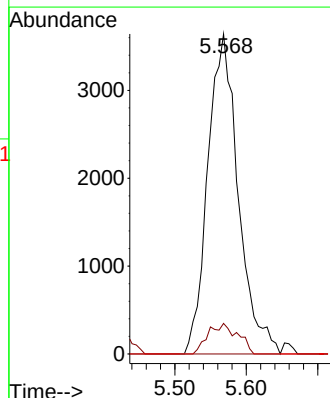
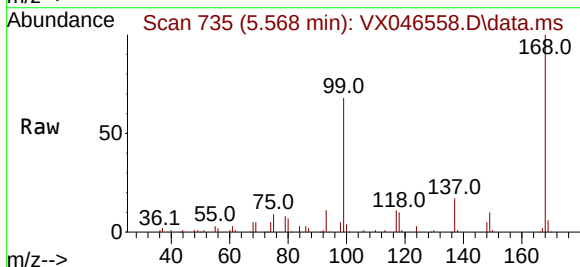
Instrument :
MSVOA_X
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WC-A2-08-G

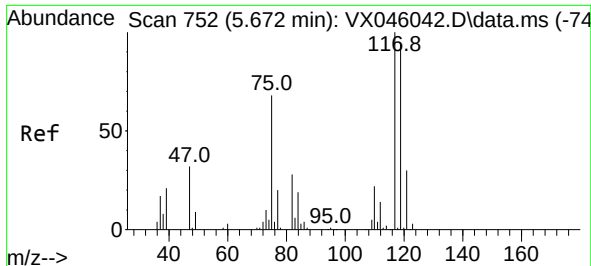
Tgt Ion:113 Resp: 71958
Ion Ratio Lower Upper
113 100
111 102.3 83.1 124.7
192 17.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.511 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

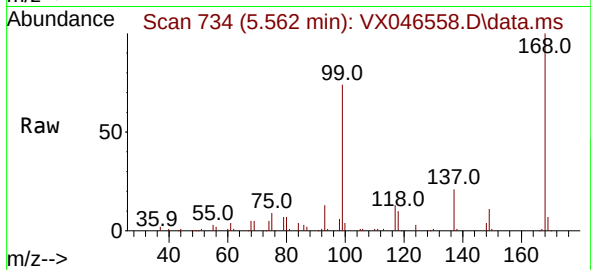
Tgt Ion: 75 Resp: 10775
Ion Ratio Lower Upper
75 100
110 9.3 16.3 48.9#
77 0.0 24.3 36.5#



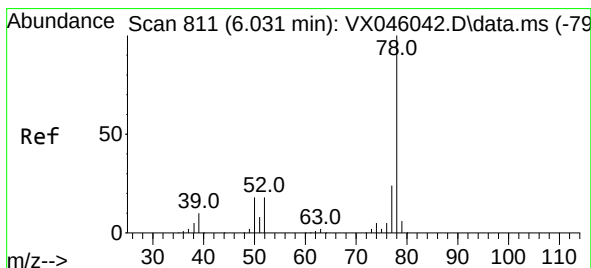
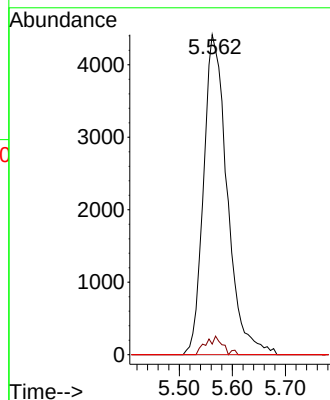
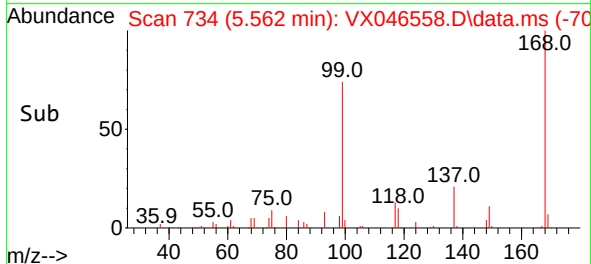


#38
Carbon Tetrachloride
Concen: 5.112 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-08-G

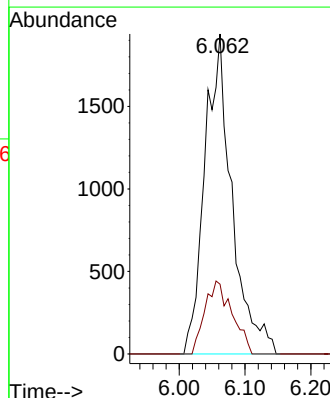
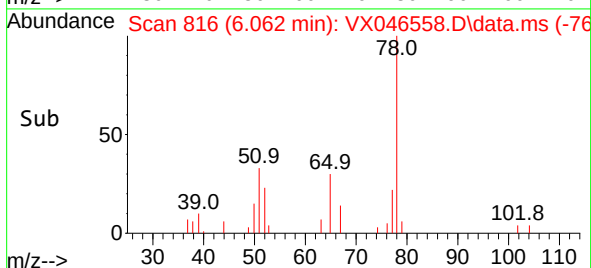
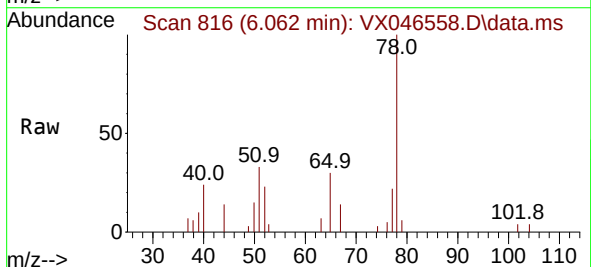


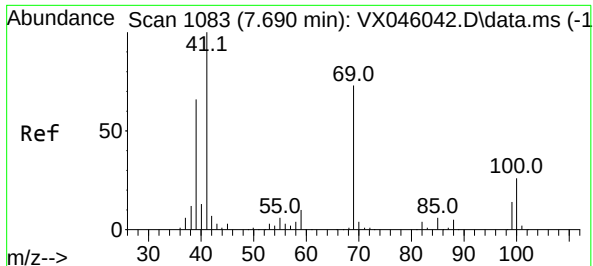
Tgt Ion:117 Resp: 13676
Ion Ratio Lower Upper
117 100
119 3.3 75.2 112.8#
121 0.0 24.2 36.4#



#40
Benzene
Concen: 0.826 ug/l
RT: 6.062 min Scan# 816
Delta R.T. 0.006 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

Tgt Ion: 78 Resp: 5554
Ion Ratio Lower Upper
78 100
77 21.8 19.0 28.4





#48

Methyl methacrylate

Concen: 0.226 ug/l

RT: 7.635 min Scan# 1074

Delta R.T. -0.067 min

Lab File: VX046558.D

Acq: 07 Jun 2025 05:36

Instrument :

MSVOA_X

ClientSampleId :

WC-A2-08-G

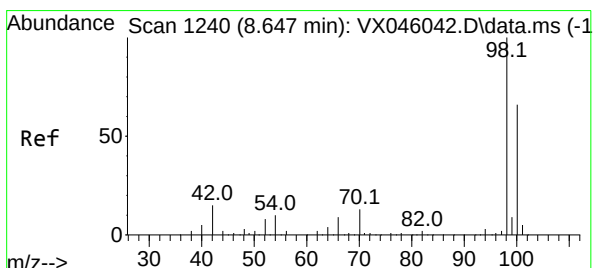
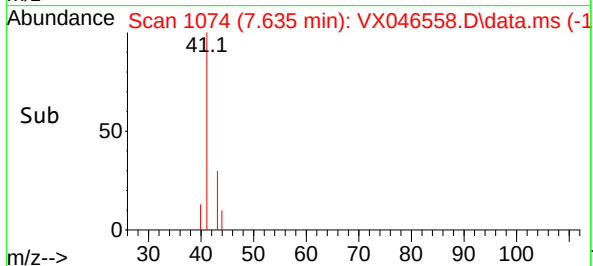
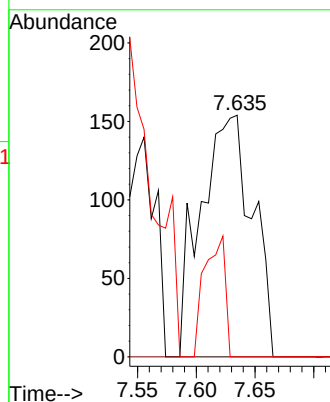
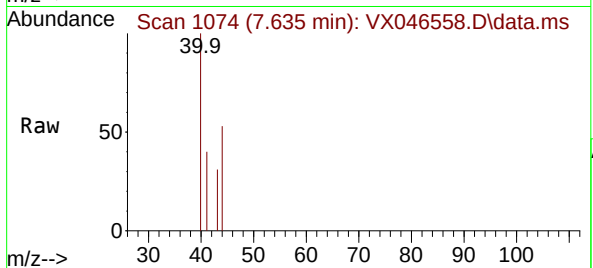
Tgt Ion: 41 Resp: 472

Ion Ratio Lower Upper

41 100

69 0.0 58.5 87.7#

39 19.9 51.7 77.5#



#50

Toluene-d8

Concen: 52.234 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX046558.D

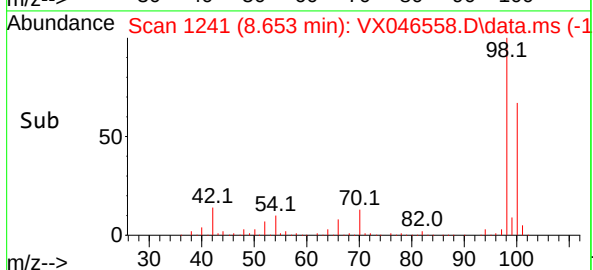
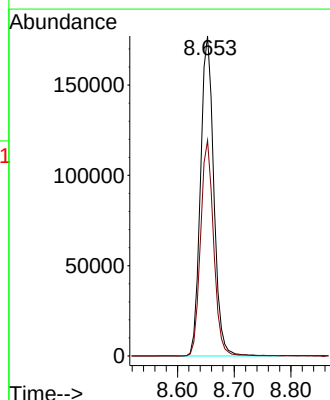
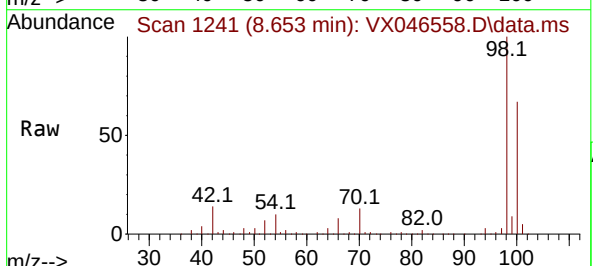
Acq: 07 Jun 2025 05:36

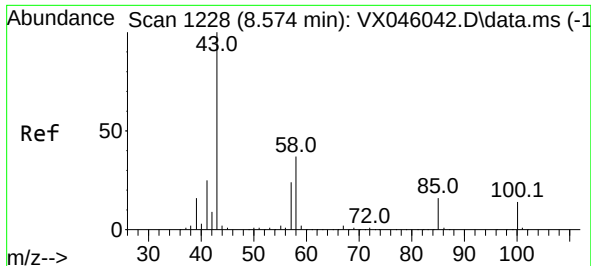
Tgt Ion: 98 Resp: 287957

Ion Ratio Lower Upper

98 100

100 66.3 53.5 80.3

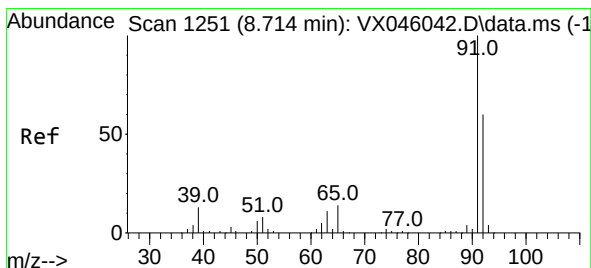
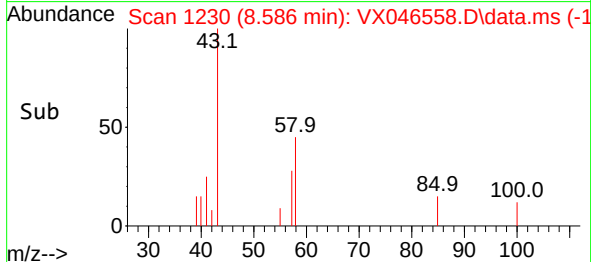
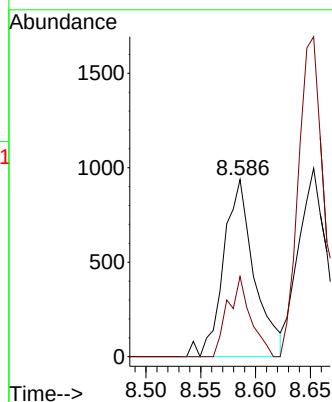
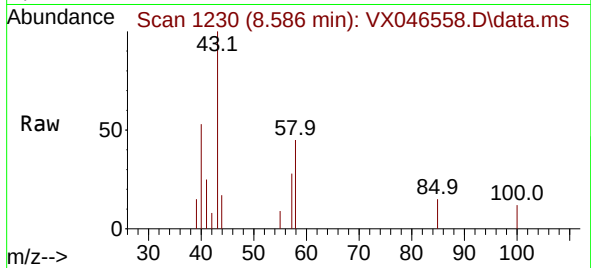




#51
4-Methyl-2-Pentanone
Concen: 0.709 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.013 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

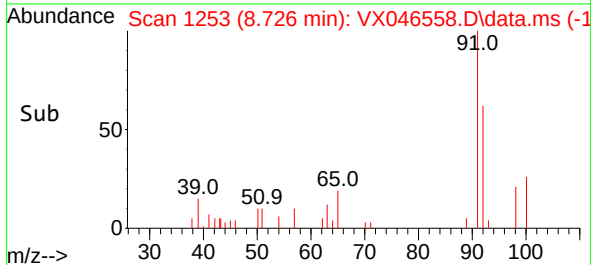
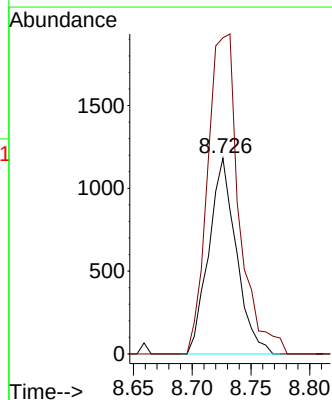
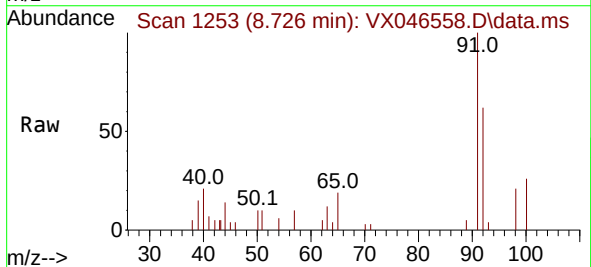
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-08-G

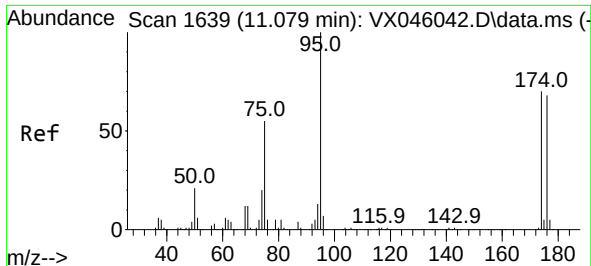
Tgt Ion: 43 Resp: 1831
Ion Ratio Lower Upper
43 100
58 33.6 28.9 43.3



#52
Toluene
Concen: 0.467 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

Tgt Ion: 92 Resp: 1929
Ion Ratio Lower Upper
92 100
91 187.4 136.6 205.0

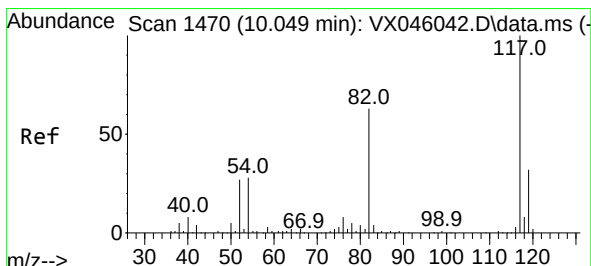
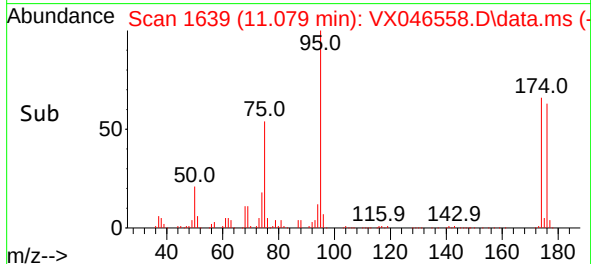
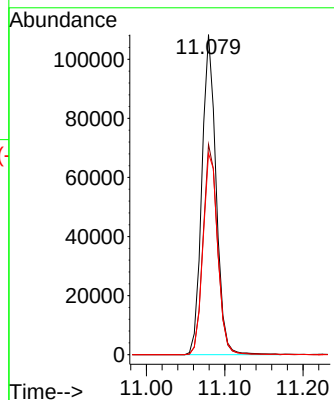
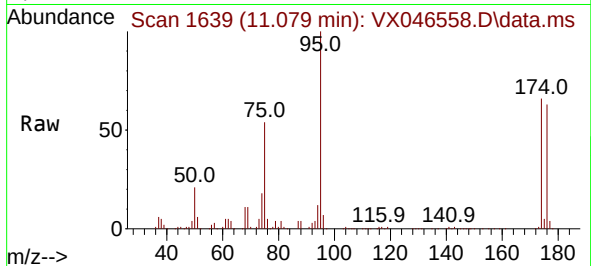




#62
4-Bromofluorobenzene
Concen: 59.660 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

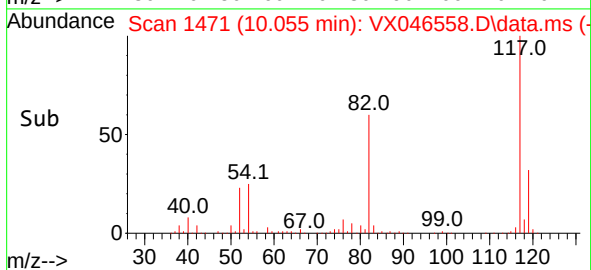
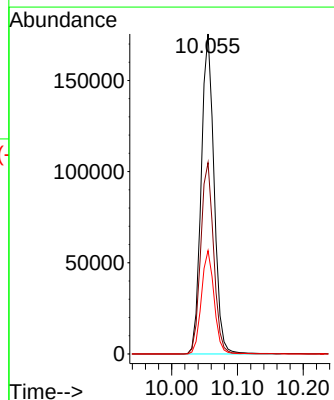
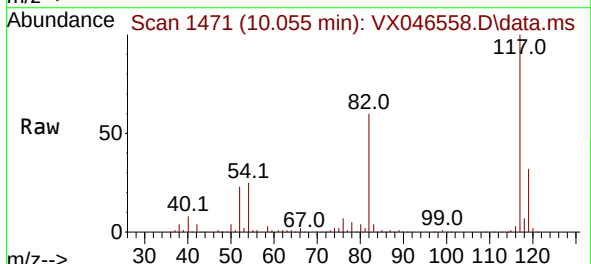
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-08-G

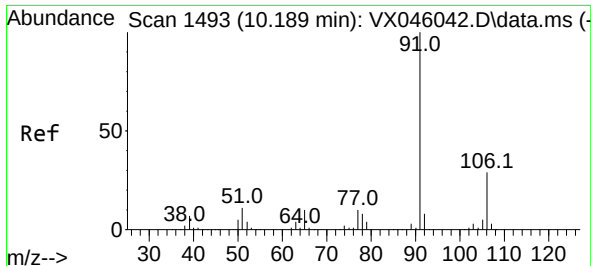
Tgt Ion: 95 Resp: 136078
Ion Ratio Lower Upper
95 100
174 66.7 0.0 135.8
176 65.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

Tgt Ion: 117 Resp: 239001
Ion Ratio Lower Upper
117 100
82 59.8 50.6 76.0
119 32.3 25.8 38.6





#67

Ethyl Benzene

Concen: 2.695 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX046558.D

Acq: 07 Jun 2025 05:36

Instrument :

MSVOA_X

ClientSampleId :

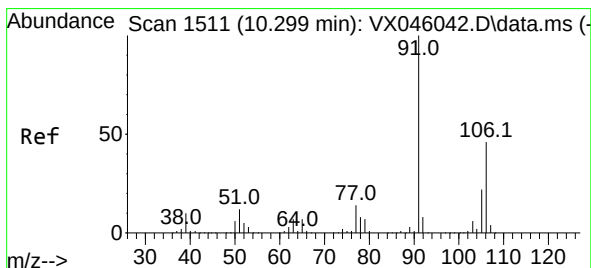
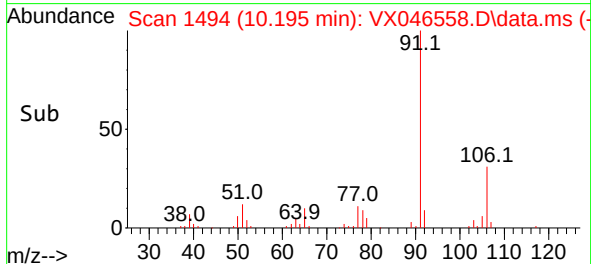
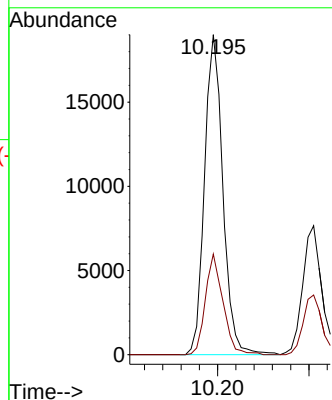
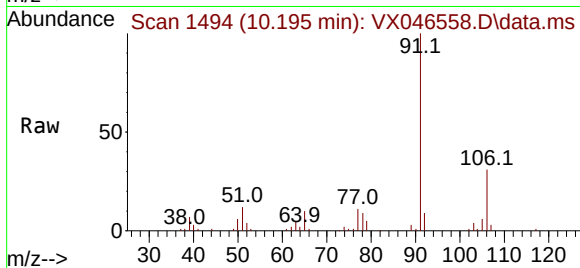
WC-A2-08-G

Tgt Ion: 91 Resp: 26441

Ion Ratio Lower Upper

91 100

106 31.4 23.4 35.2



#68

m/p-Xylenes

Concen: 1.468 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX046558.D

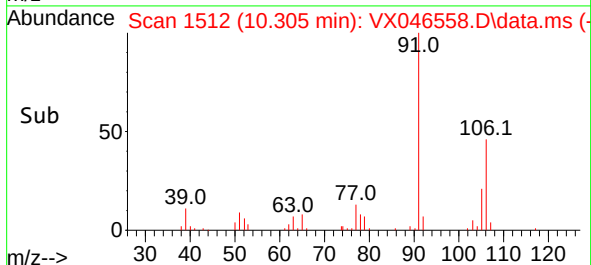
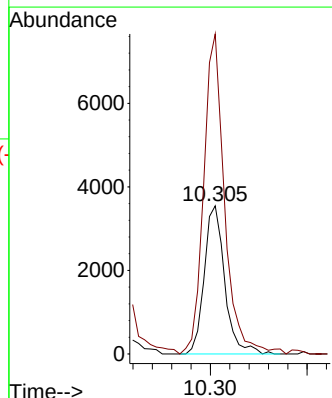
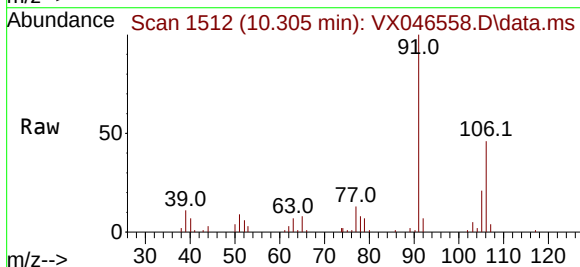
Acq: 07 Jun 2025 05:36

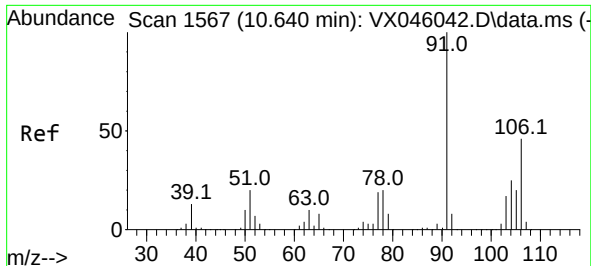
Tgt Ion:106 Resp: 5226

Ion Ratio Lower Upper

106 100

91 220.0 171.2 256.8

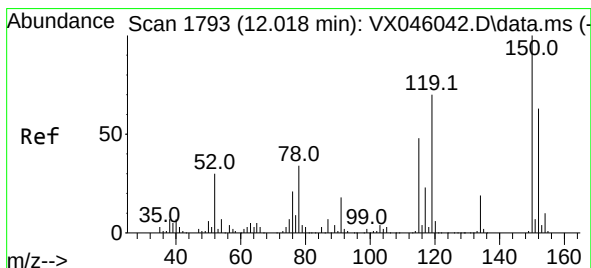
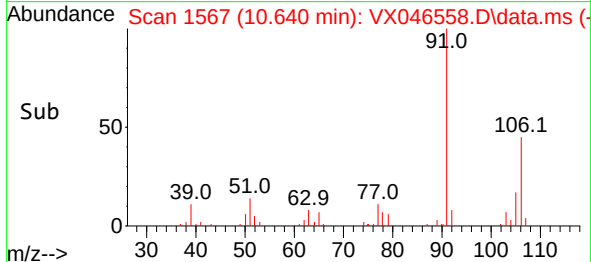
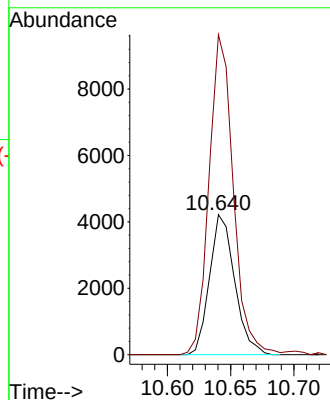
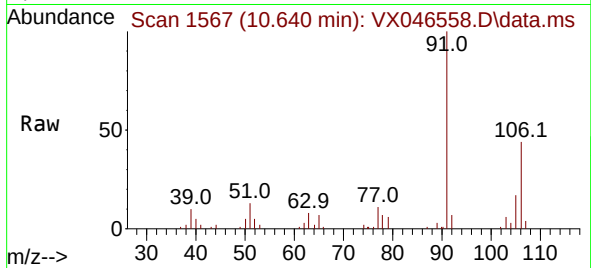




#69
o-Xylene
Concen: 1.694 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

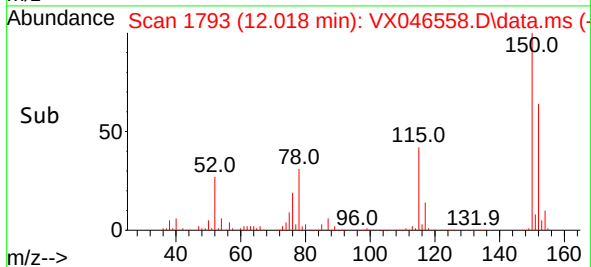
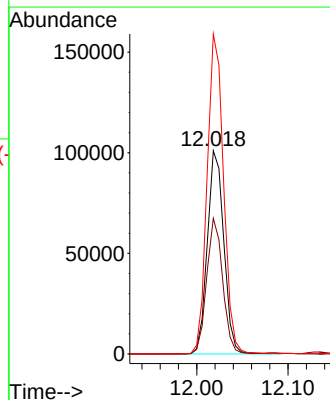
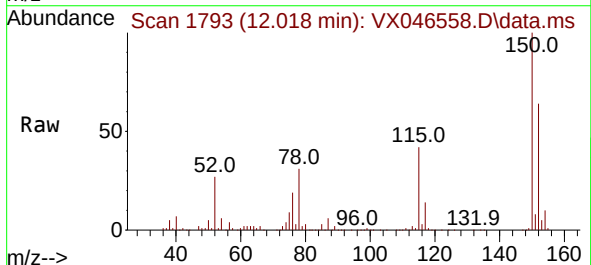
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-08-G

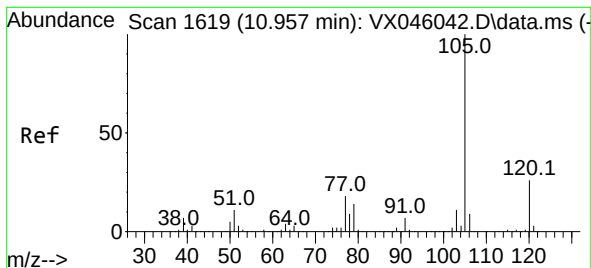
Tgt Ion:106 Resp: 5834
Ion Ratio Lower Upper
106 100
91 220.2 112.7 338.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

Tgt Ion:152 Resp: 126311
Ion Ratio Lower Upper
152 100
115 64.7 46.9 140.7
150 156.8 0.0 351.0





#73

Isopropylbenzene

Concen: 0.511 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX046558.D

Acq: 07 Jun 2025 05:36

Instrument :

MSVOA_X

ClientSampleId :

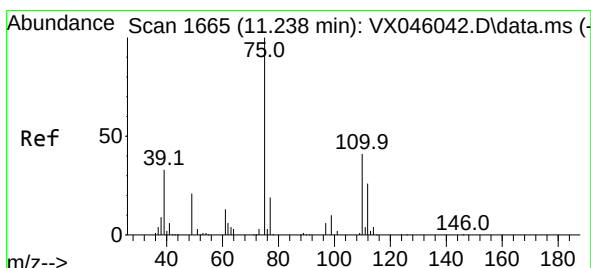
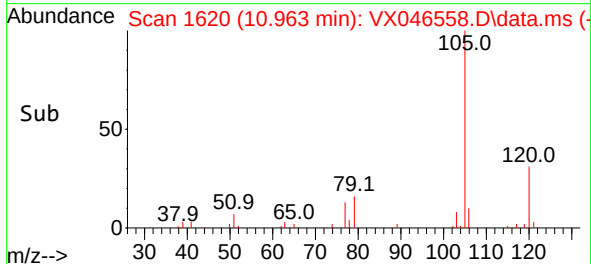
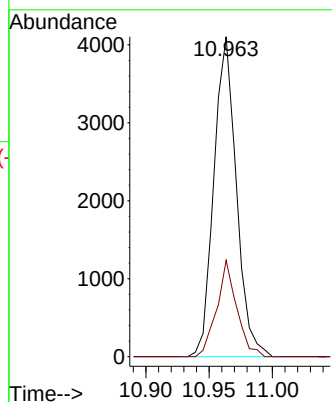
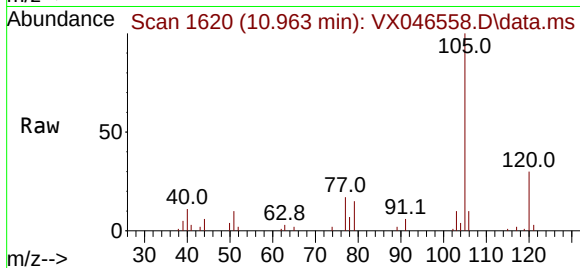
WC-A2-08-G

Tgt Ion:105 Resp: 5072

Ion Ratio Lower Upper

105 100

120 26.8 12.8 38.4



#76

1,2,3-Trichloropropane

Concen: 27.267 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046558.D

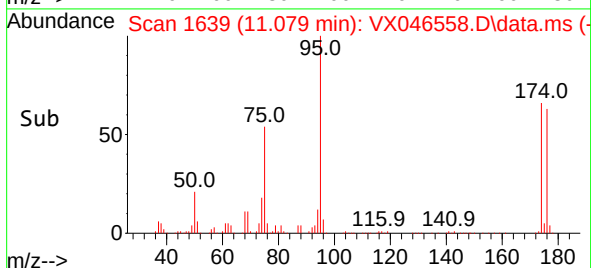
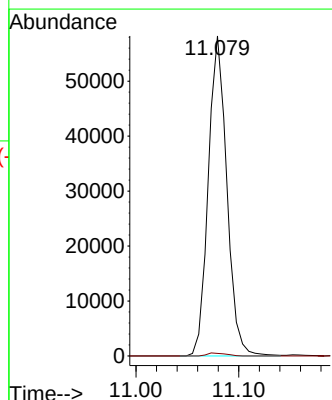
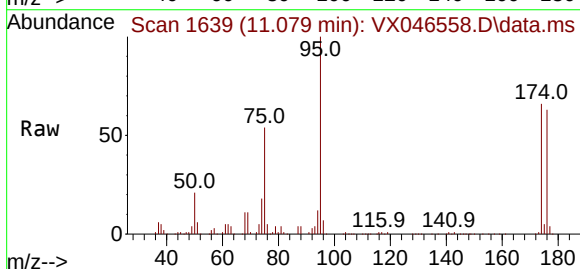
Acq: 07 Jun 2025 05:36

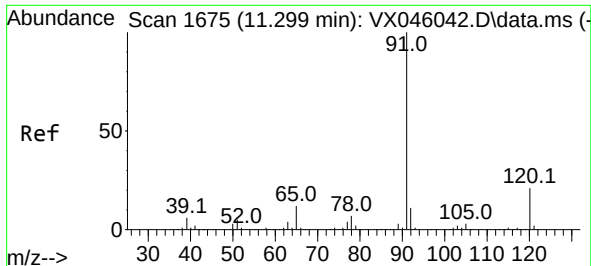
Tgt Ion: 75 Resp: 72951

Ion Ratio Lower Upper

75 100

77 0.9 20.5 61.5#

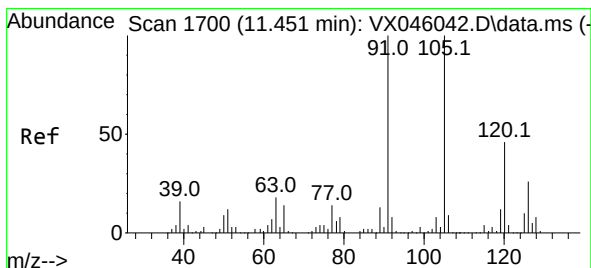
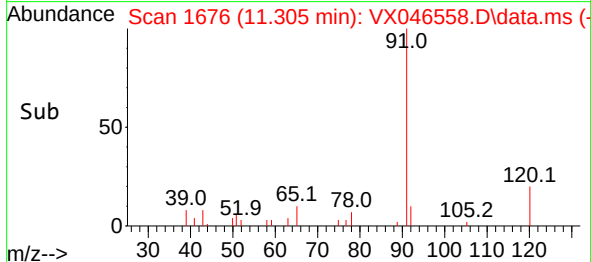
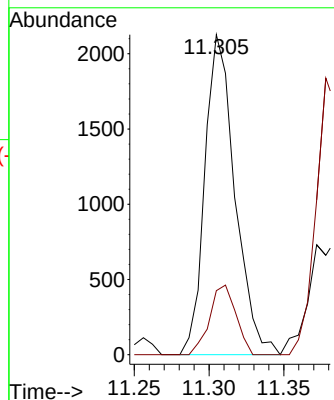
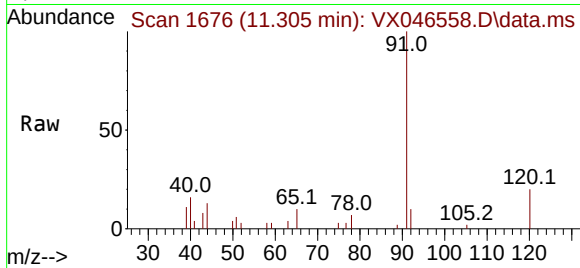




#78
n-propylbenzene
Concen: 0.248 ug/l
RT: 11.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

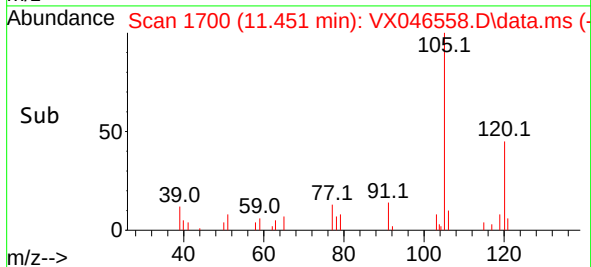
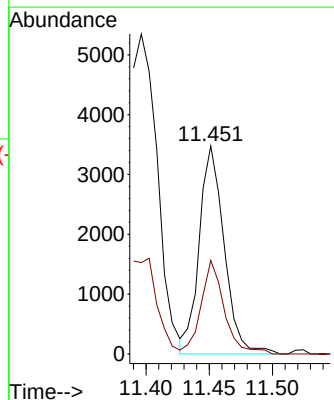
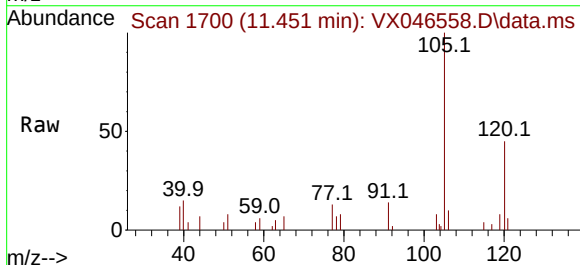
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-08-G

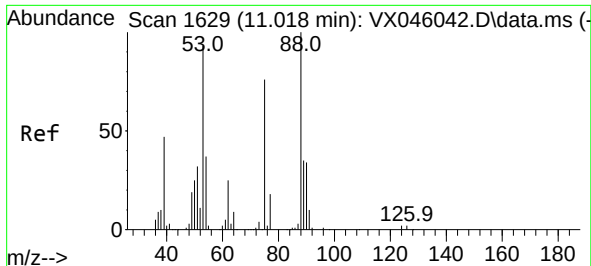
Tgt Ion: 91 Resp: 2980
Ion Ratio Lower Upper
91 100
120 19.0 10.8 32.4



#80
1,3,5-Trimethylbenzene
Concen: 0.578 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

Tgt Ion: 105 Resp: 4784
Ion Ratio Lower Upper
105 100
120 41.8 23.1 69.2

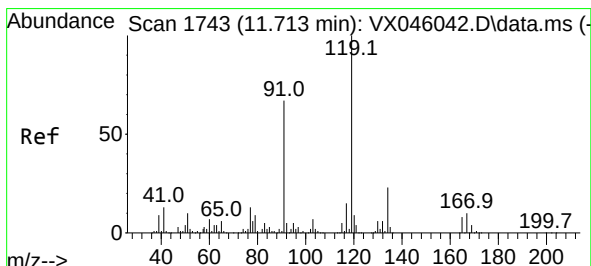
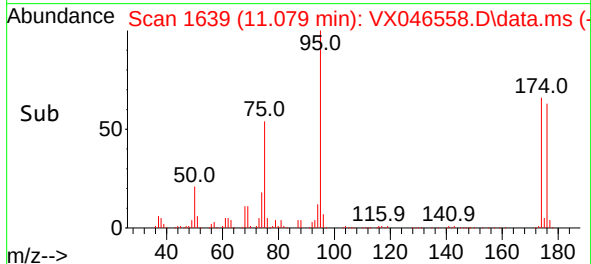
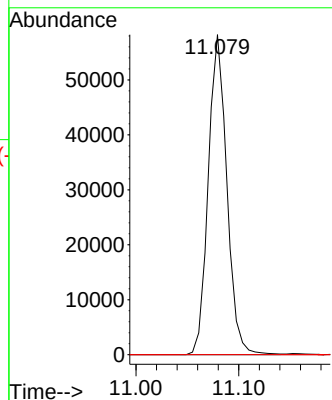
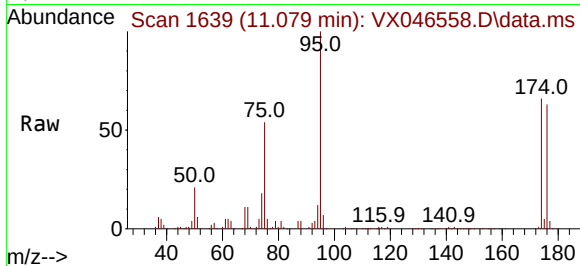




#81
trans-1,4-Dichloro-2-butene
Concen: 78.655 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

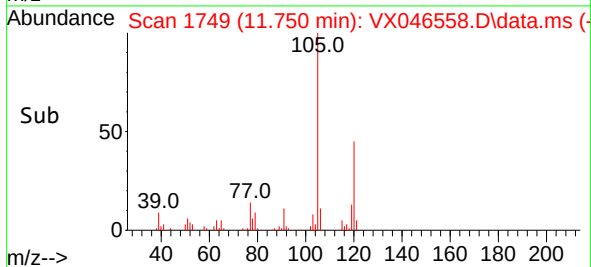
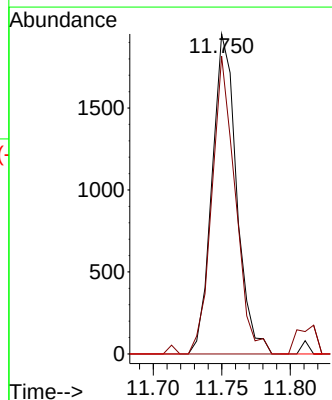
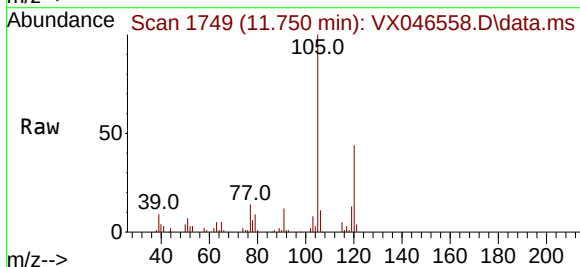
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-08-G

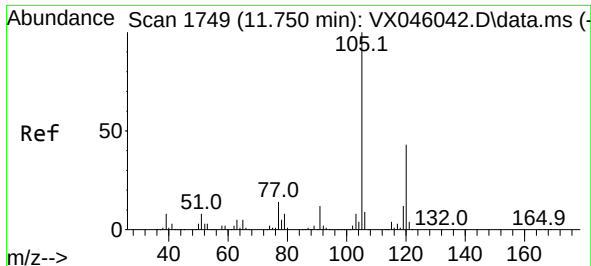
Tgt Ion: 75 Resp: 72951
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#83
tert-Butylbenzene
Concen: 0.289 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.037 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

Tgt Ion: 119 Resp: 2435
Ion Ratio Lower Upper
119 100
91 88.7 32.9 98.7
134 0.0 11.4 34.1#

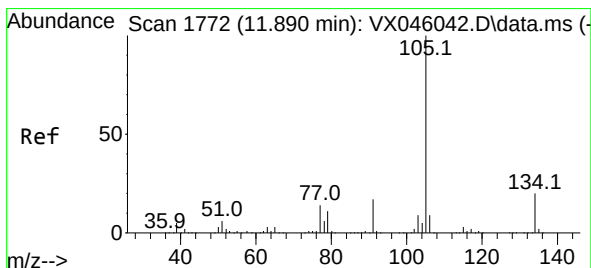
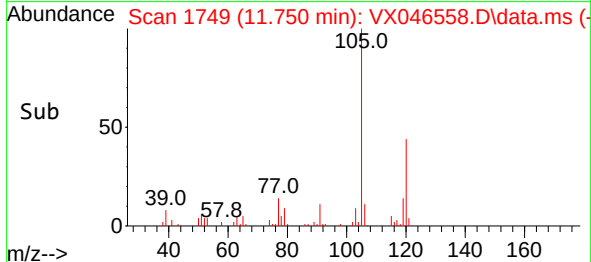
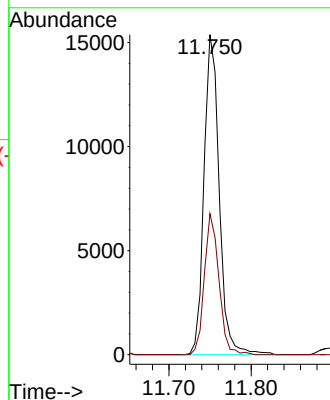
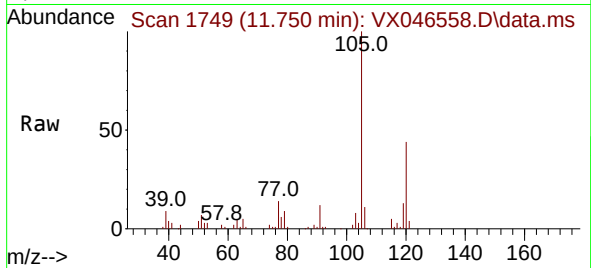




#84
1,2,4-Trimethylbenzene
Concen: 2.359 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

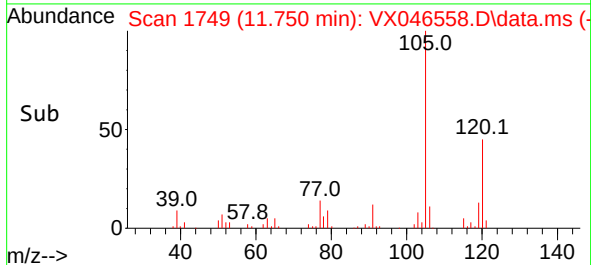
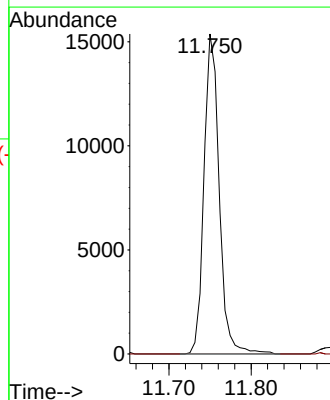
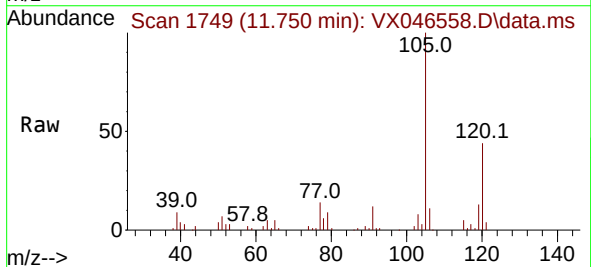
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-08-G

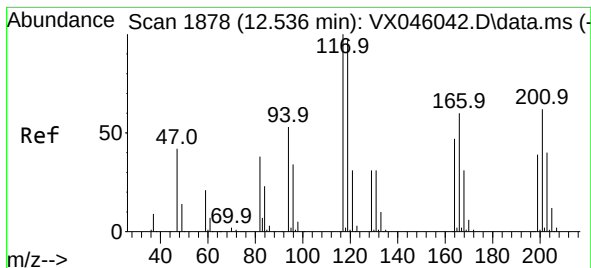
Tgt Ion:105 Resp: 19748
Ion Ratio Lower Upper
105 100
120 42.3 21.2 63.6



#85
sec-Butylbenzene
Concen: 1.825 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.140 min
Lab File: VX046558.D
Acq: 07 Jun 2025 05:36

Tgt Ion:105 Resp: 19748
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#





#90

Hexachloroethane

Concen: 9.976 ug/l

RT: 12.695 min Scan# 1904

Delta R.T. 0.159 min

Lab File: VX046558.D

Acq: 07 Jun 2025 05:36

Instrument :

MSVOA_X

ClientSampleId :

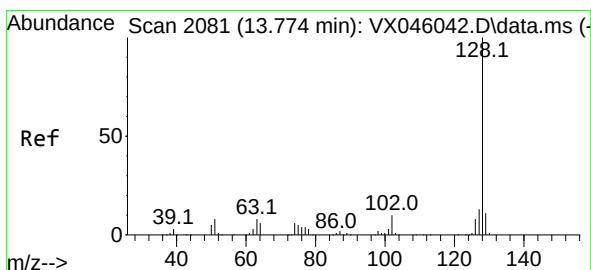
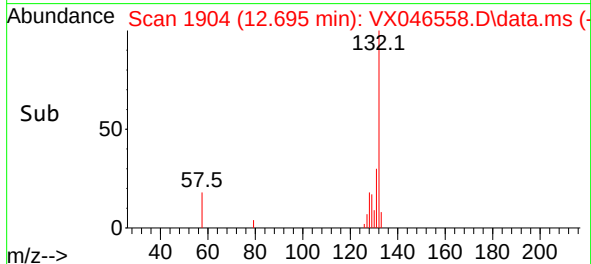
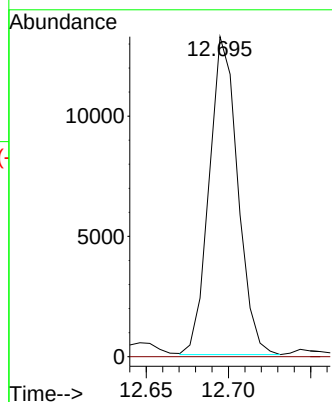
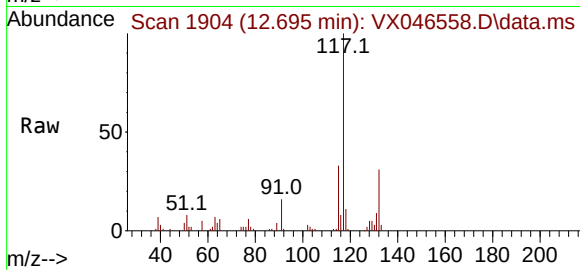
WC-A2-08-G

Tgt Ion:117 Resp: 15997

Ion Ratio Lower Upper

117 100

201 0.0 31.6 94.7#



#95

Naphthalene

Concen: 177.512 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX046558.D

Acq: 07 Jun 2025 05:36

Tgt Ion:128 Resp: 1658883

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 11.0 8.6 13.0

