

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046506.D
 Acq On : 04 Jun 2025 17:25
 Operator : JC/MD
 Sample : Q2198-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-202-GW01

Quant Time: Jun 05 02:02:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	60413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	119148	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58784	52.192	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.380%	
35) Dibromofluoromethane	5.391	113	43685	50.915	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.840%	
50) Toluene-d8	8.647	98	149002	50.175	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.360%	
62) 4-Bromofluorobenzene	11.079	95	59600	52.322	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.640%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.685	64	101	0.227	ug/l #	44
11) Tert butyl alcohol	2.959	59	2223	14.061	ug/l #	80
16) Acetone	2.386	43	2996	6.634	ug/l	100
17) Carbon Disulfide	2.508	76	398	0.234	ug/l #	76
18) Methyl Acetate	2.703	43	284	0.271	ug/l #	55
20) Methylene Chloride	2.788	84	177	0.205	ug/l #	47
29) Tetrahydrofuran	5.038	42	316	0.769	ug/l #	35
31) Cyclohexane	5.544	56	1823	1.358	ug/l #	49
36) 1,1-Dichloropropene	5.550	75	5795	5.027	ug/l #	53
38) Carbon Tetrachloride	5.550	117	6813	5.260	ug/l #	17
49) 1,4-Dioxane	7.690	88	26	1.234	ug/l #	27
51) 4-Methyl-2-Pentanone	8.647	43	952	0.660	ug/l #	1
52) Toluene	8.726	92	2404	1.161	ug/l	96
59) 2-Hexanone	9.250	43	473	0.443	ug/l	69
67) Ethyl Benzene	10.299	91	7016	1.635	ug/l #	69
68) m/p-Xylenes	10.299	106	3157	2.011	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	33663	28.627	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33663	93.201	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.750	105	1264	0.393	ug/l	86
89) n-Butylbenzene	12.317	91	1801	0.633	ug/l #	26
90) Hexachloroethane	12.536	117	654	1.144	ug/l #	19
92) 1,2-Dibromo-3-Chloropr...	12.921	75	68	0.230	ug/l #	10
95) Naphthalene	13.774	128	27276	8.007	ug/l	99

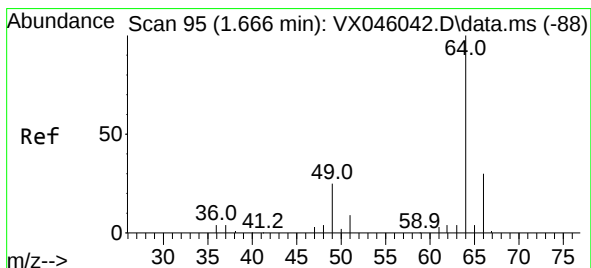
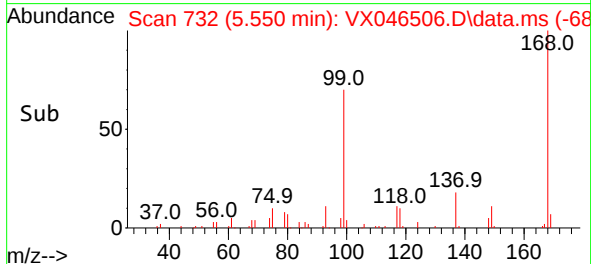
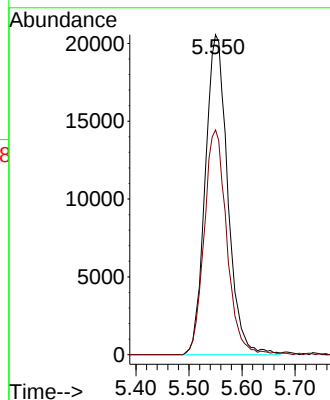
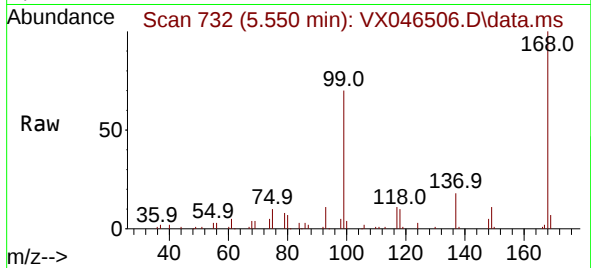
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046506.D
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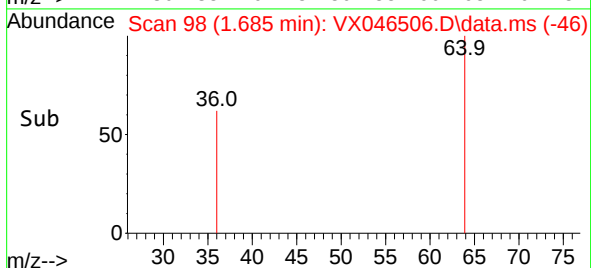
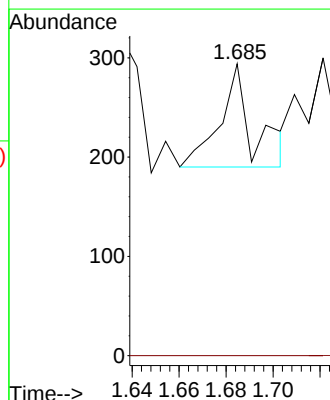
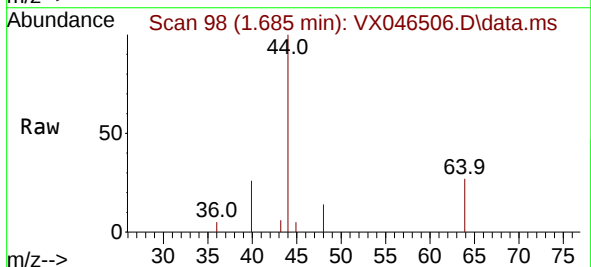
Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

Tgt Ion:168 Resp: 60413
Ion Ratio Lower Upper
168 100
99 70.2 54.9 82.3



#6
Chloroethane
Concen: 0.227 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.018 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Tgt Ion: 64 Resp: 101
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#





#11

Tert butyl alcohol

Concen: 14.061 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.018 min

Lab File: VX046506.D

Acq: 04 Jun 2025 17:25

Instrument :

MSVOA_X

ClientSampleId :

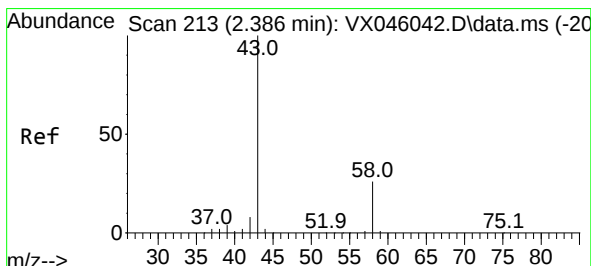
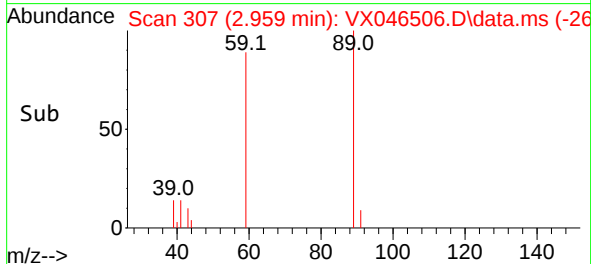
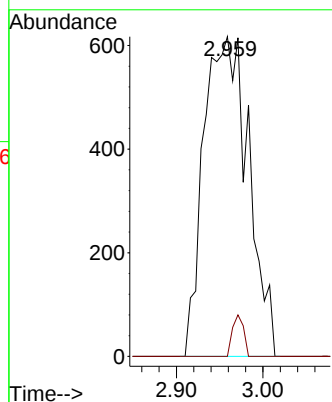
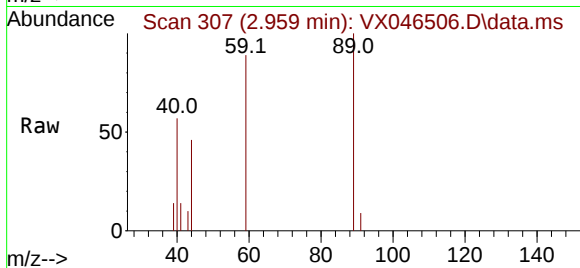
B-202-GW01

Tgt Ion: 59 Resp: 2223

Ion Ratio Lower Upper

59 100

57 3.2 8.6 12.8#



#16

Acetone

Concen: 6.634 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX046506.D

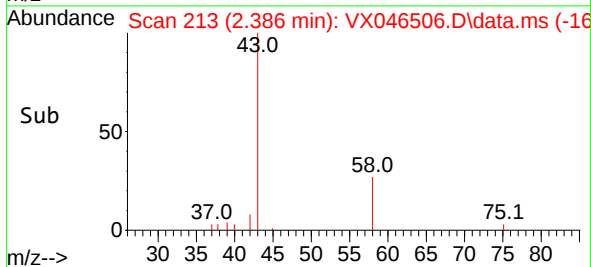
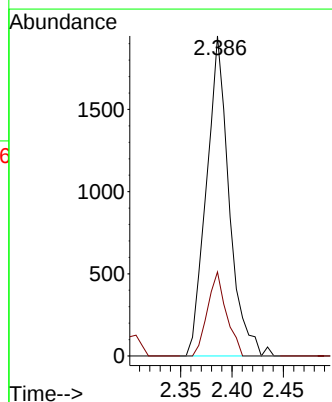
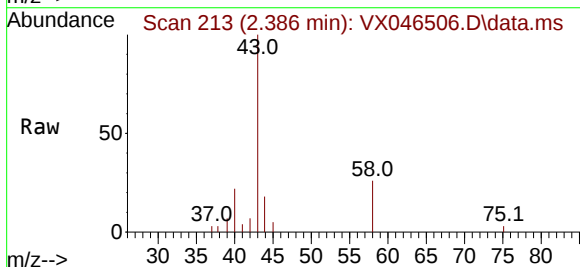
Acq: 04 Jun 2025 17:25

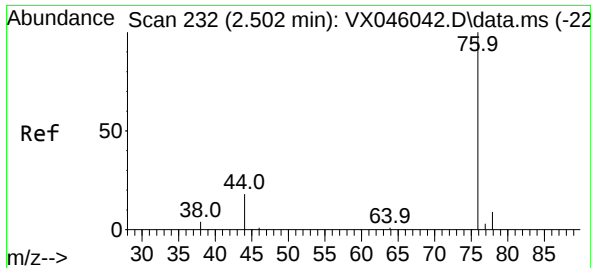
Tgt Ion: 43 Resp: 2996

Ion Ratio Lower Upper

43 100

58 26.2 21.2 31.8

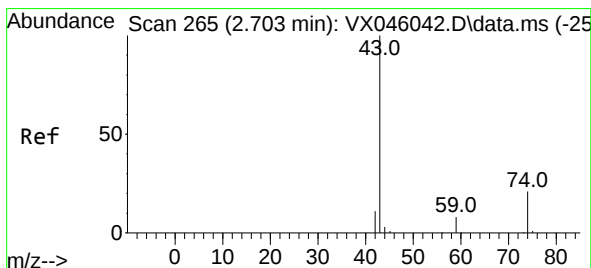
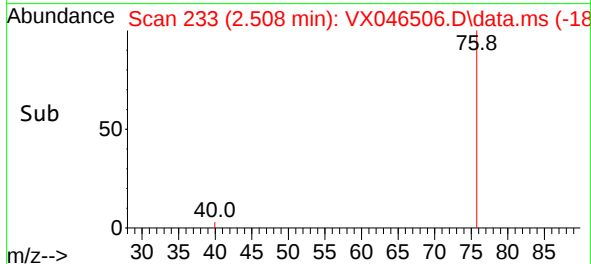
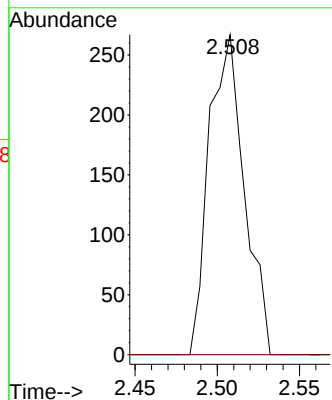
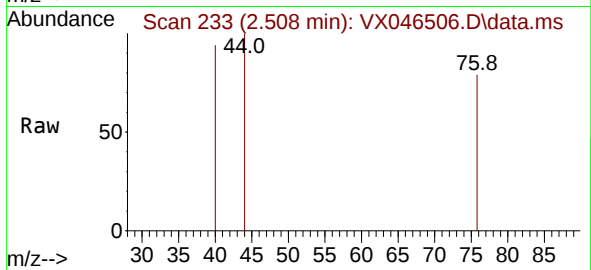




#17
Carbon Disulfide
Concen: 0.234 ug/l
RT: 2.508 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

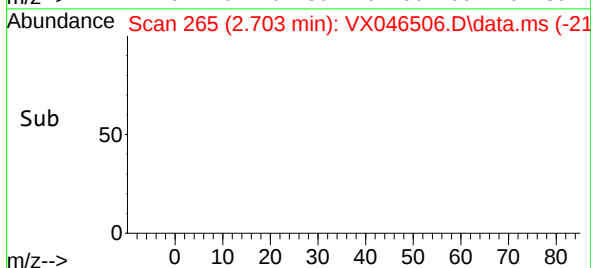
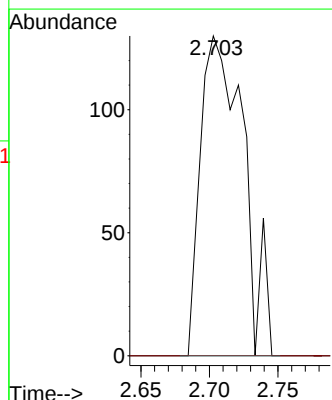
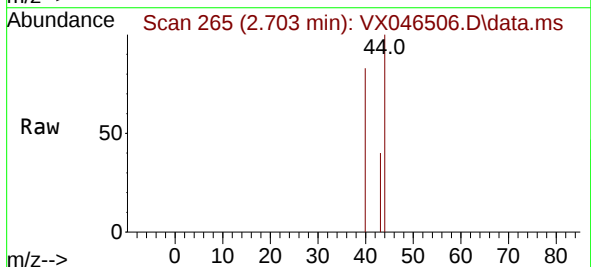
Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

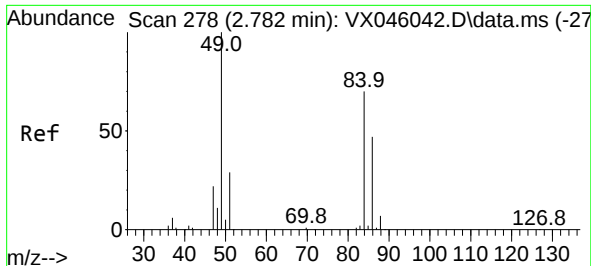
Tgt Ion: 76 Resp: 398
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 0.271 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Tgt Ion: 43 Resp: 284
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

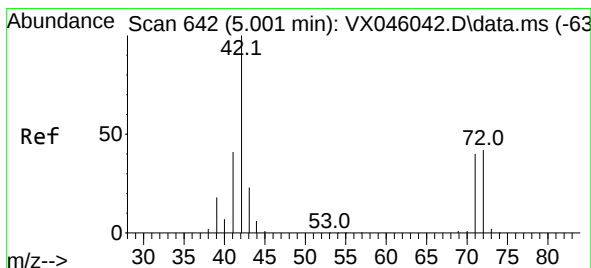
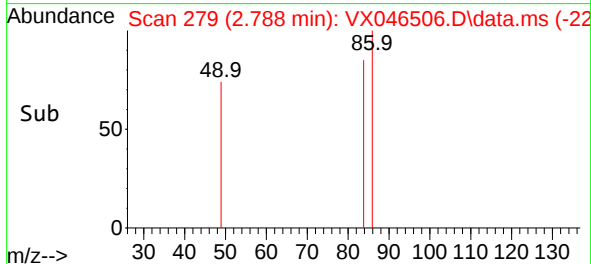
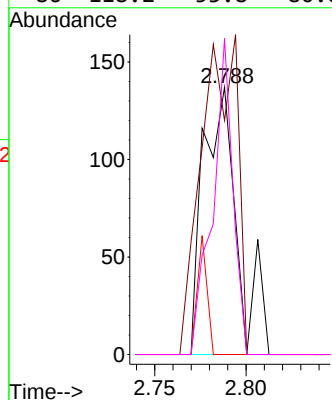
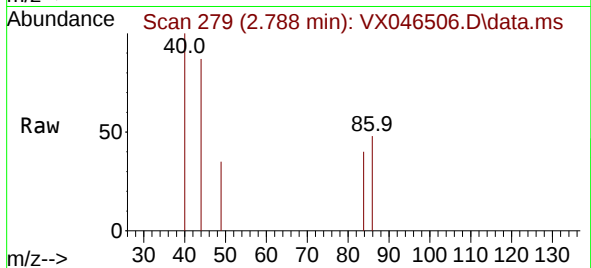




#20
Methylene Chloride
Concen: 0.205 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

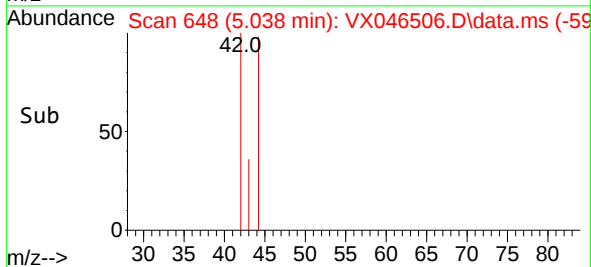
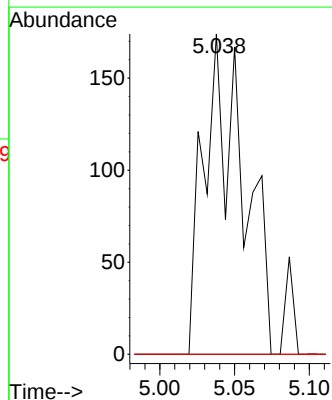
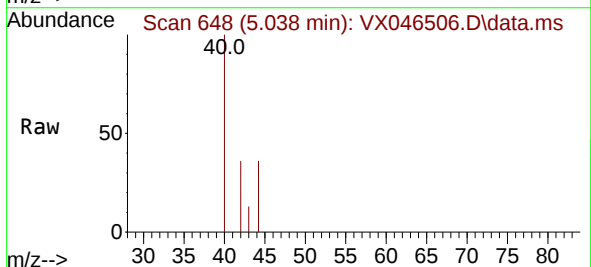
Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

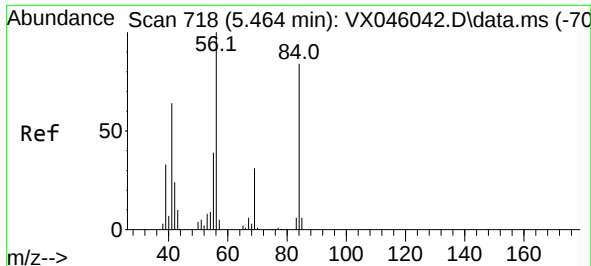
Tgt Ion:	84	Resp:	177
Ion	Ratio	Lower	Upper
84	100		
49	87.6	113.9	170.9#
51	0.0	33.5	50.3#
86	118.2	53.8	80.8#



#29
Tetrahydrofuran
Concen: 0.769 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.037 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

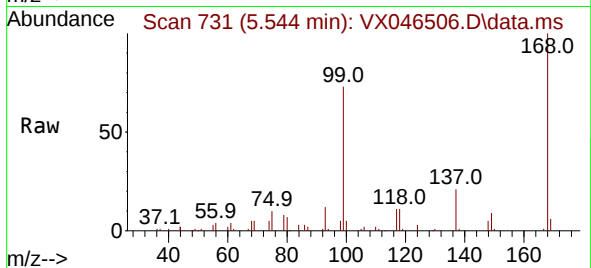
Tgt Ion:	42	Resp:	316
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	31.4	47.2#



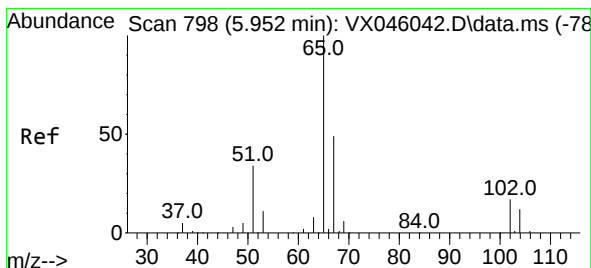
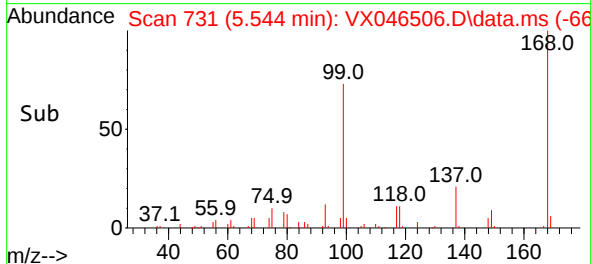
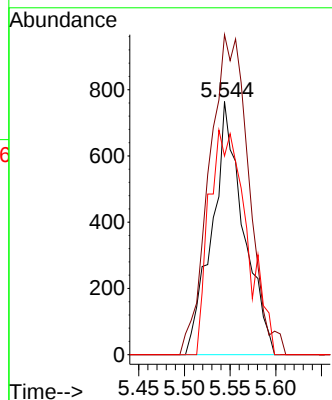


#31
Cyclohexane
Concen: 1.358 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

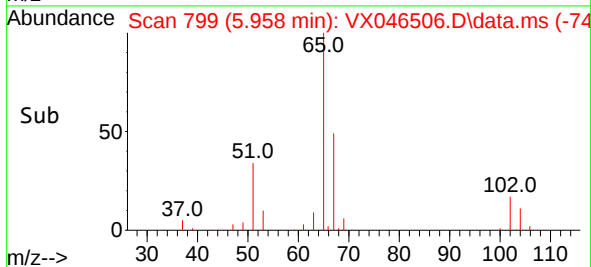
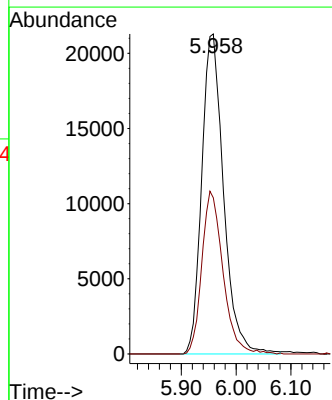
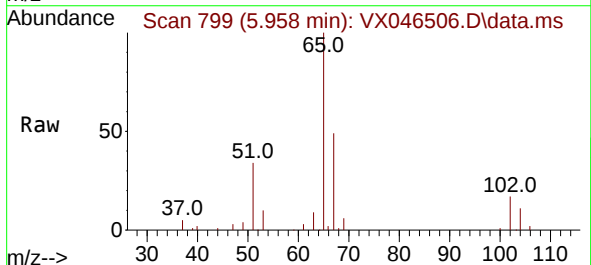


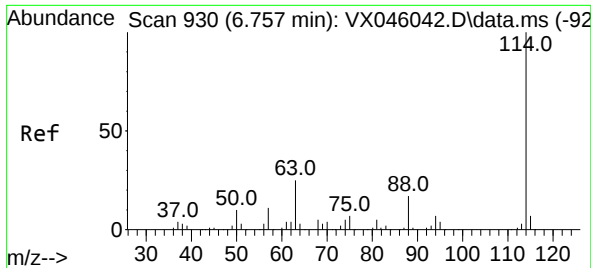
Tgt Ion: 56 Resp: 1823
Ion Ratio Lower Upper
56 100
69 126.4 24.4 36.6#
84 78.5 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 52.192 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Tgt Ion: 65 Resp: 58784
Ion Ratio Lower Upper
65 100
67 49.3 0.0 99.0

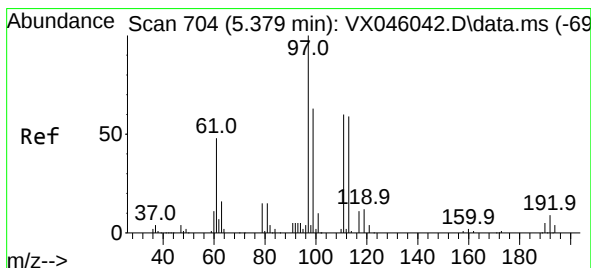
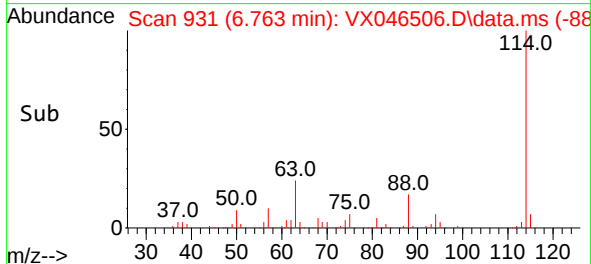
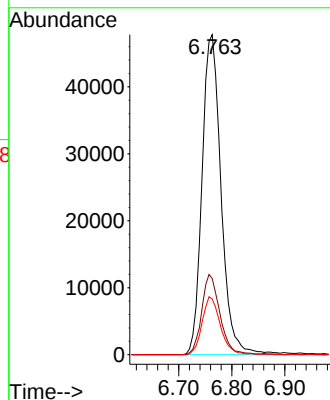
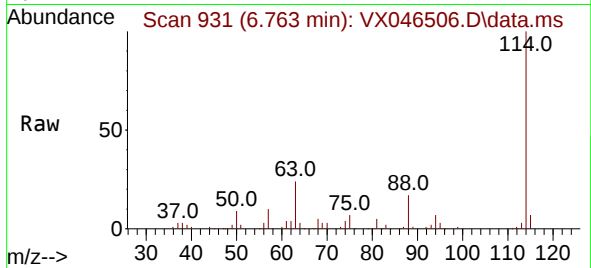




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

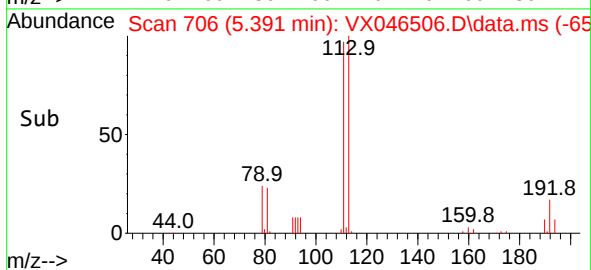
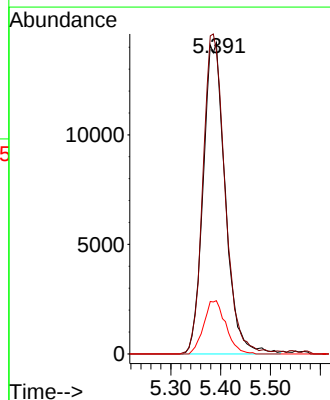
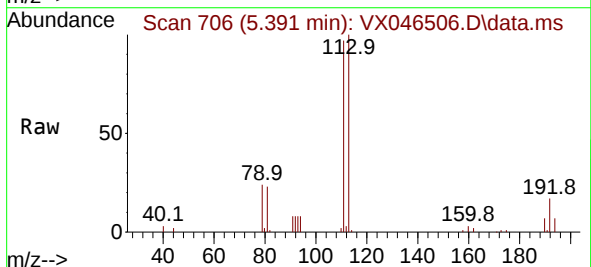
Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

Tgt Ion:114 Resp: 119148
Ion Ratio Lower Upper
114 100
63 23.8 0.0 49.2
88 17.4 0.0 33.6



#35
Dibromofluoromethane
Concen: 50.915 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.012 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Tgt Ion:113 Resp: 43685
Ion Ratio Lower Upper
113 100
111 102.3 83.1 124.7
192 17.2 13.3 19.9

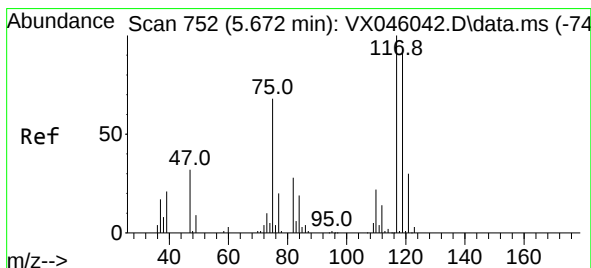
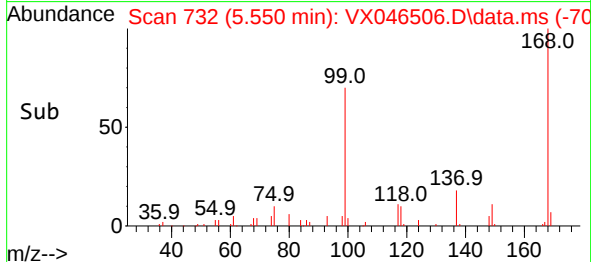
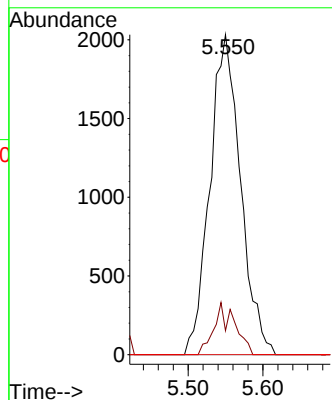
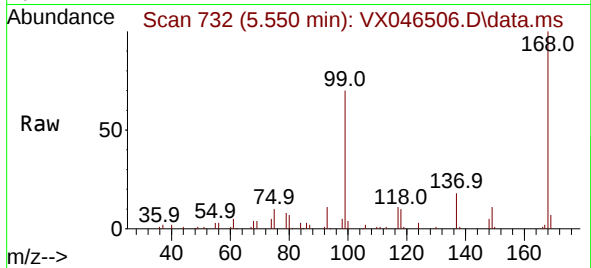




#36
 1,1-Dichloropropene
 Concen: 5.027 ug/l
 RT: 5.550 min Scan# 71
 Delta R.T. -0.134 min
 Lab File: VX046506.D
 Acq: 04 Jun 2025 17:25

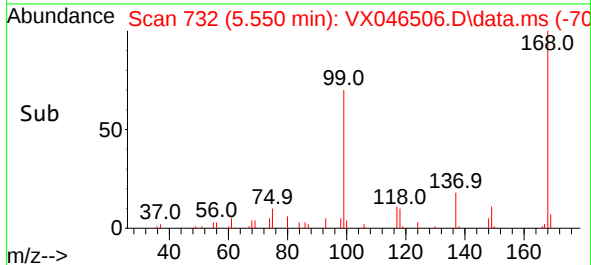
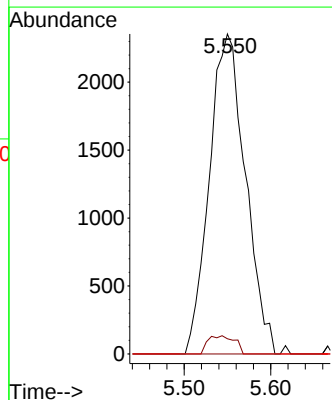
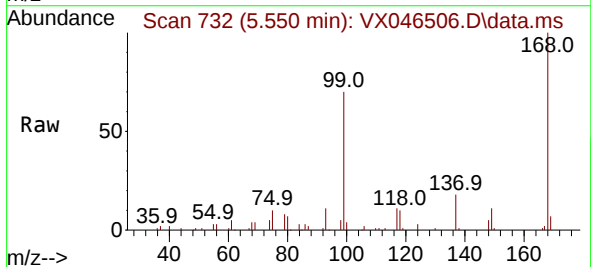
Instrument :
 MSVOA_X
 ClientSampleId :
 B-202-GW01

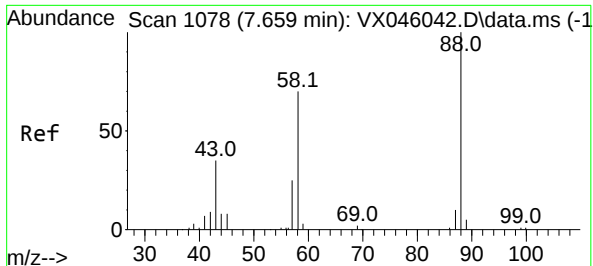
Tgt Ion: 75 Resp: 5795
 Ion Ratio Lower Upper
 75 100
 110 11.1 16.3 48.9#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.260 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.122 min
 Lab File: VX046506.D
 Acq: 04 Jun 2025 17:25

Tgt Ion: 117 Resp: 6813
 Ion Ratio Lower Upper
 117 100
 119 4.8 75.2 112.8#
 121 0.0 24.2 36.4#





#49

1,4-Dioxane

Concen: 1.234 ug/l

RT: 7.690 min Scan# 1078

Delta R.T. 0.031 min

Lab File: VX046506.D

Acq: 04 Jun 2025 17:25

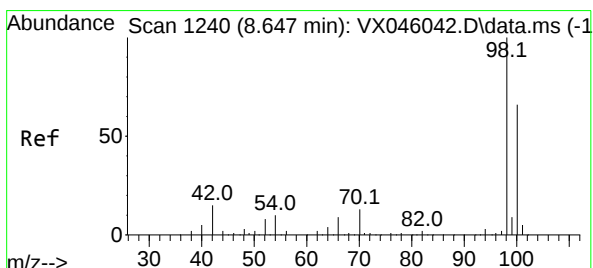
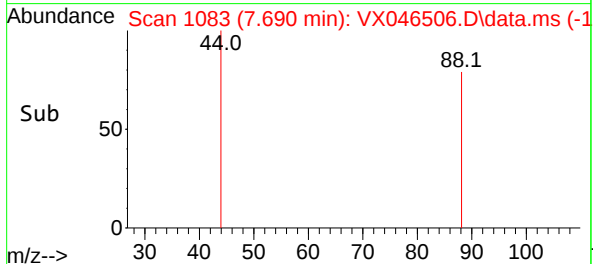
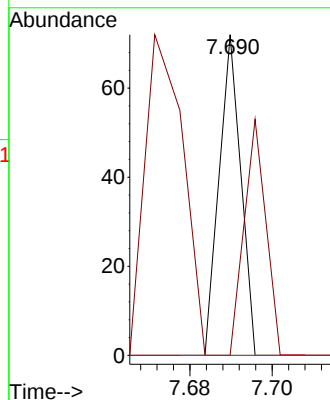
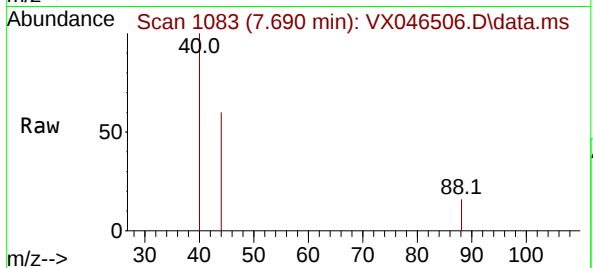
Instrument :

MSVOA_X

ClientSampleId :

B-202-GW01

Tgt Ion: 88	Resp:	26
Ion	Ratio	Lower Upper
88	100	
43	73.1	33.4 50.2#
58	0.0	58.6 88.0#



#50

Toluene-d8

Concen: 50.175 ug/l

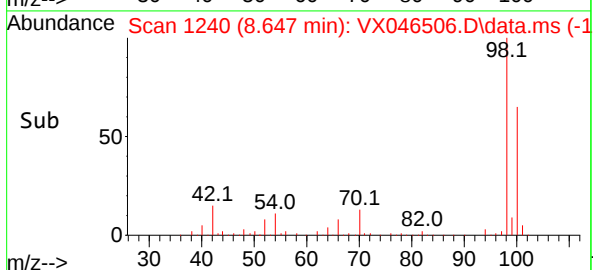
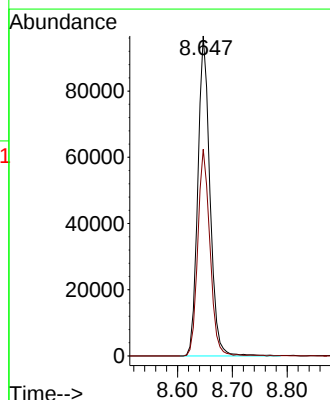
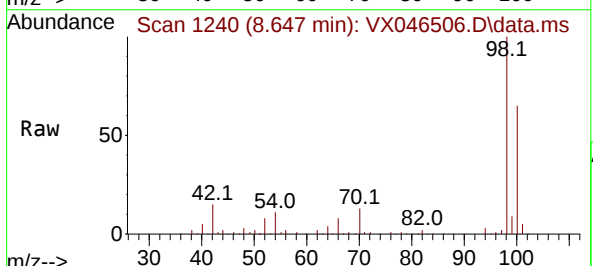
RT: 8.647 min Scan# 1240

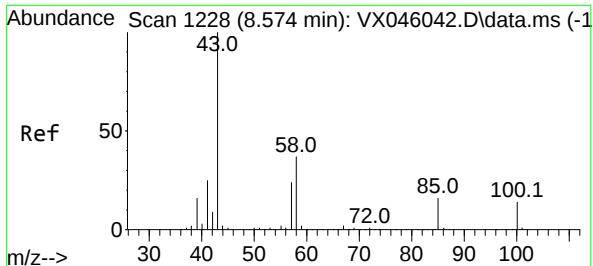
Delta R.T. 0.000 min

Lab File: VX046506.D

Acq: 04 Jun 2025 17:25

Tgt Ion: 98	Resp:	149002
Ion	Ratio	Lower Upper
98	100	
100	64.6	53.5 80.3

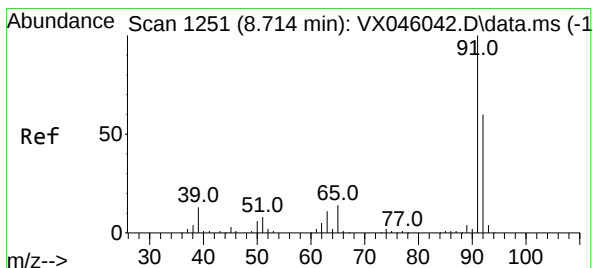
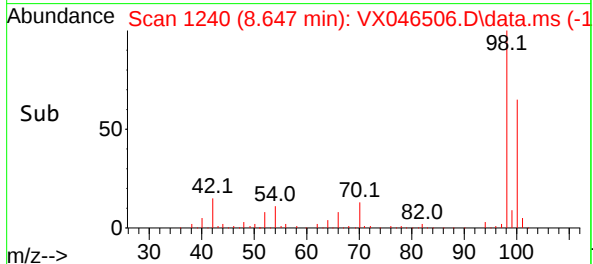
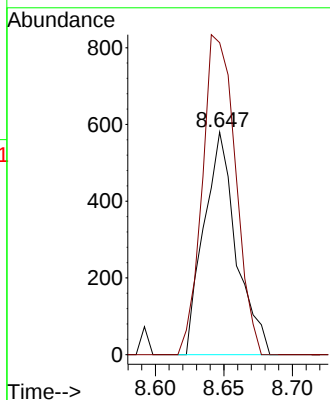
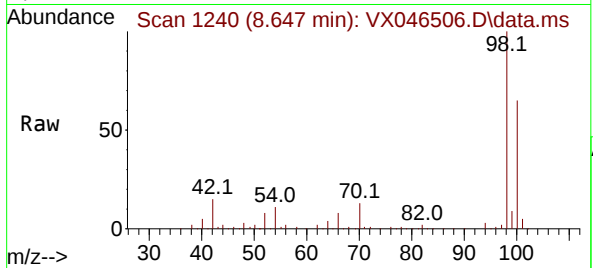




#51
4-Methyl-2-Pentanone
Concen: 0.660 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

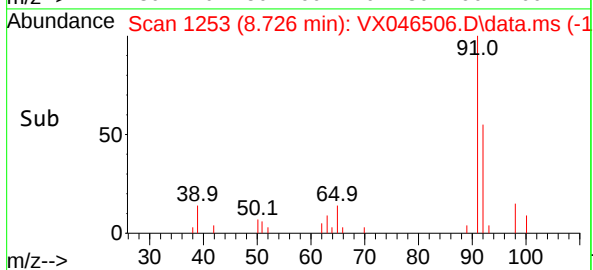
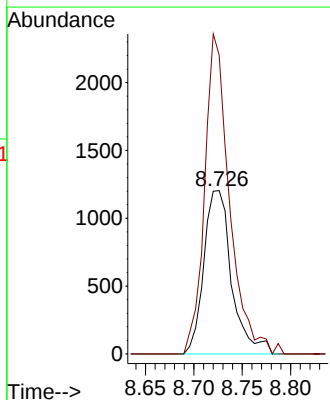
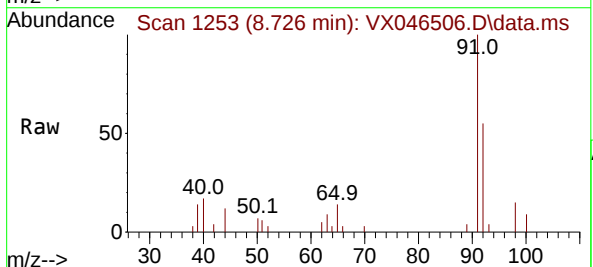
Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

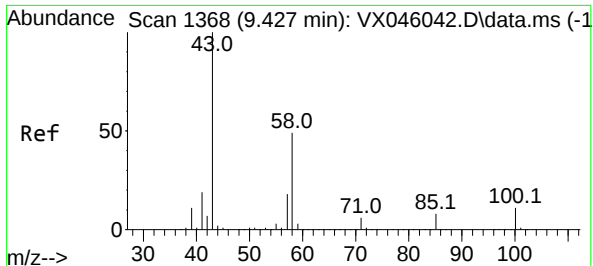
Tgt Ion: 43 Resp: 952
Ion Ratio Lower Upper
43 100
58 147.5 28.9 43.3#



#52
Toluene
Concen: 1.161 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Tgt Ion: 92 Resp: 2404
Ion Ratio Lower Upper
92 100
91 176.2 136.6 205.0





#59

2-Hexanone

Concen: 0.443 ug/l

RT: 9.250 min Scan# 11

Delta R.T. -0.177 min

Lab File: VX046506.D

Acq: 04 Jun 2025 17:25

Instrument :

MSVOA_X

ClientSampleId :

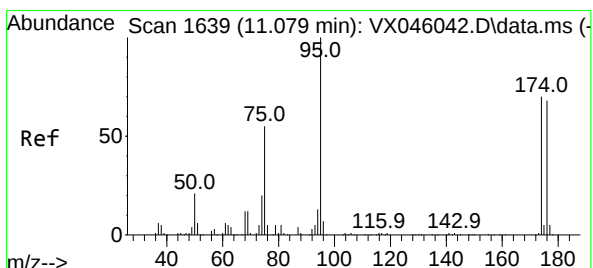
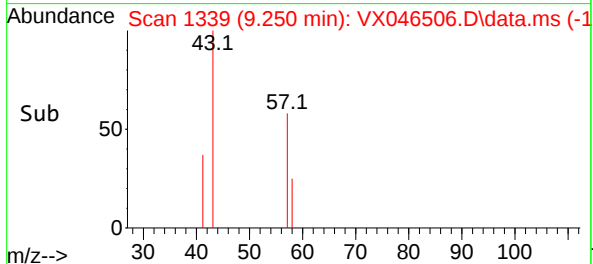
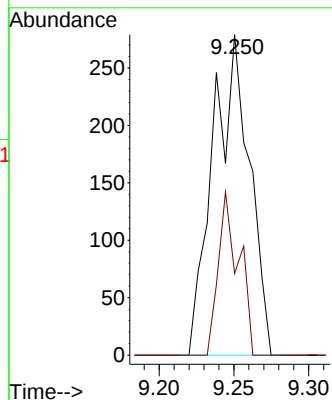
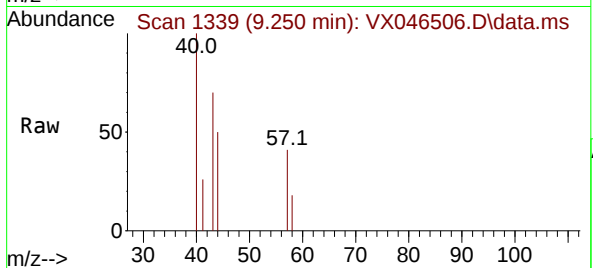
B-202-GW01

Tgt Ion: 43 Resp: 473

Ion Ratio Lower Upper

43 100

58 28.5 24.9 74.6



#62

4-Bromofluorobenzene

Concen: 52.322 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046506.D

Acq: 04 Jun 2025 17:25

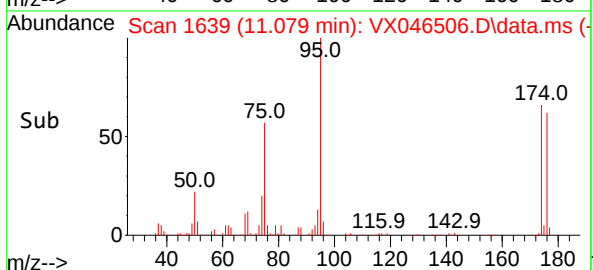
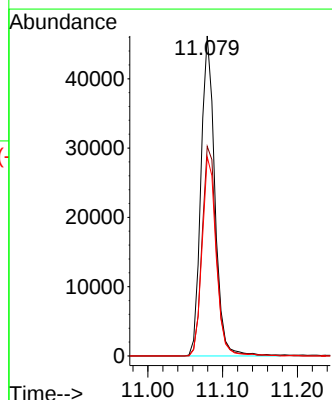
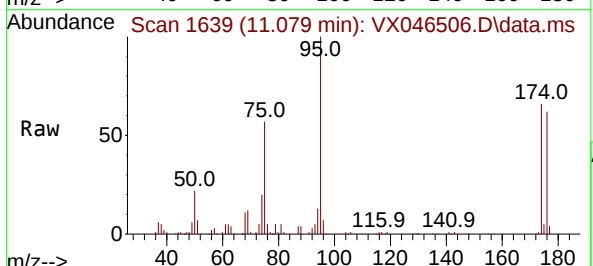
Tgt Ion: 95 Resp: 59600

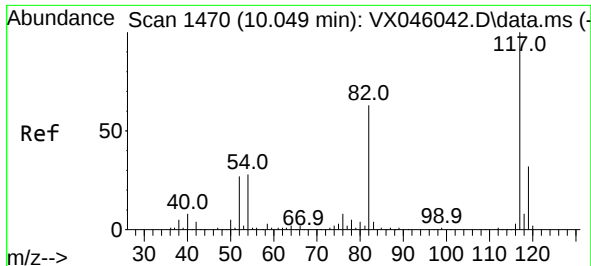
Ion Ratio Lower Upper

95 100

174 67.9 0.0 135.8

176 63.3 0.0 131.4

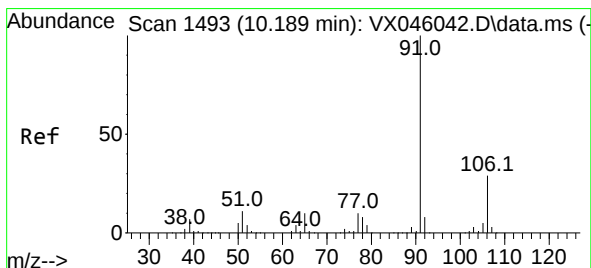
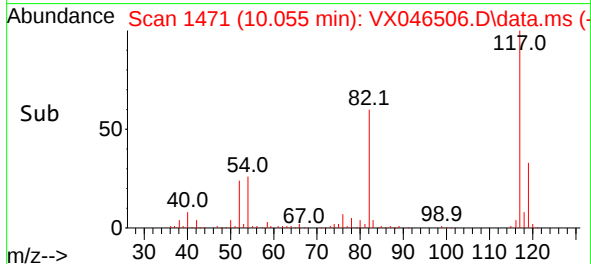
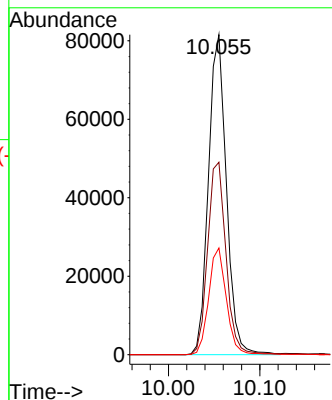
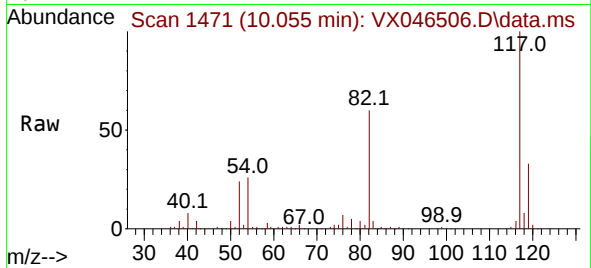




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

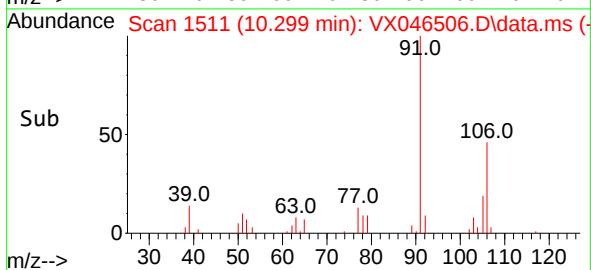
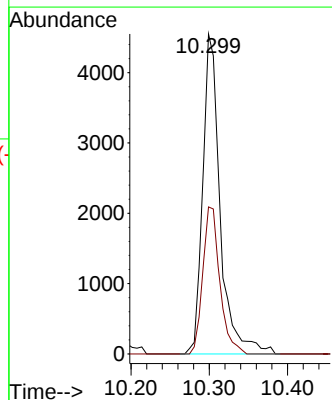
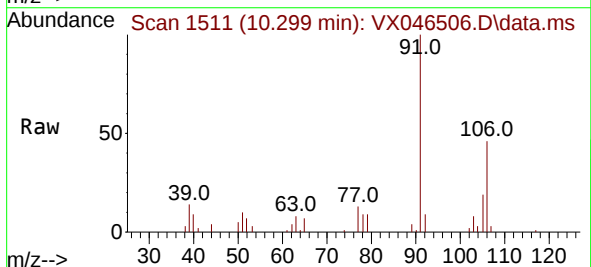
Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

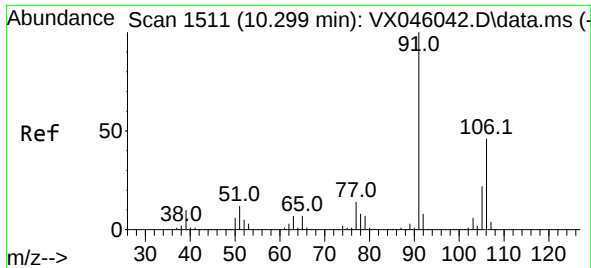
Tgt Ion:117 Resp: 111234
Ion Ratio Lower Upper
117 100
82 60.1 50.6 76.0
119 33.4 25.8 38.6



#67
Ethyl Benzene
Concen: 1.635 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.110 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Tgt Ion: 91 Resp: 7016
Ion Ratio Lower Upper
91 100
106 45.9 23.4 35.2#

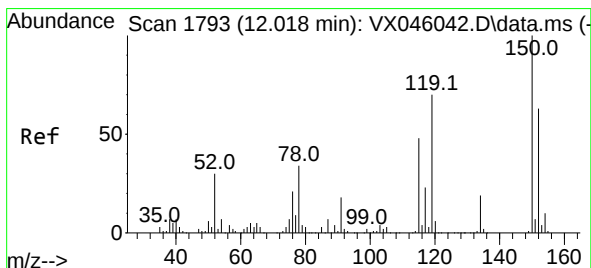
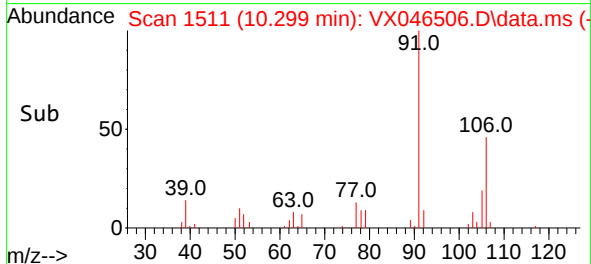
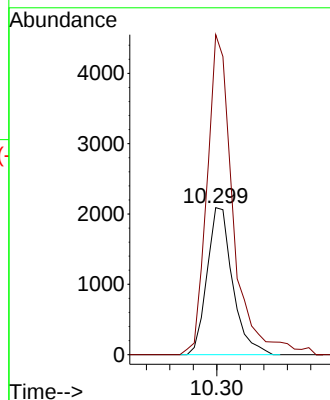
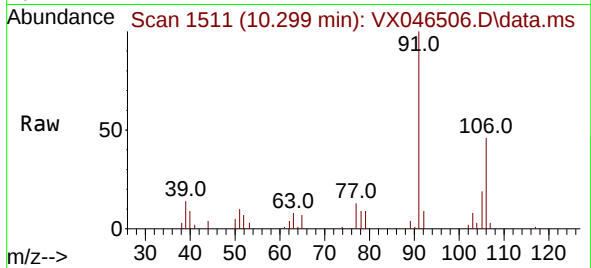




#68
m/p-Xylenes
Concen: 2.011 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

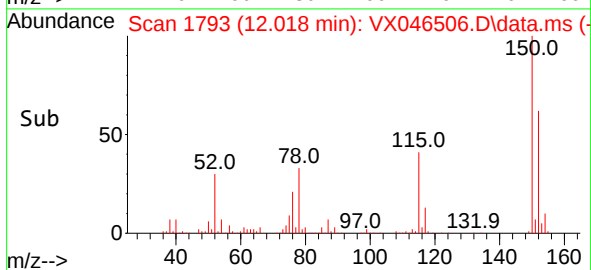
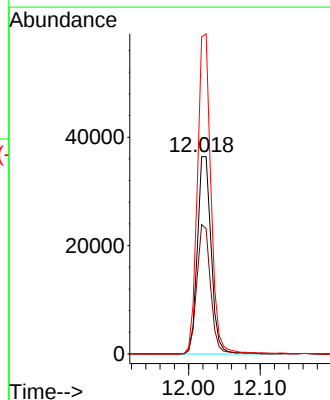
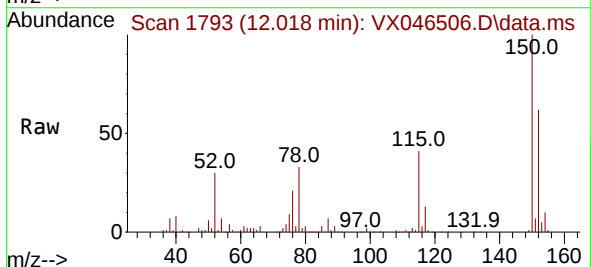
Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

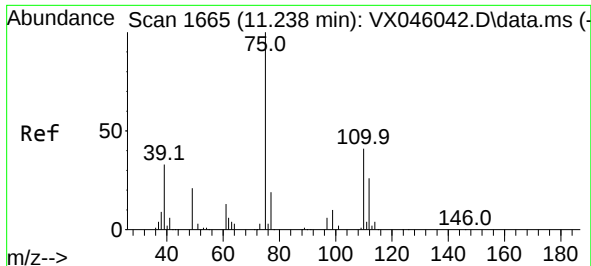
Tgt Ion:106 Resp: 3157
Ion Ratio Lower Upper
106 100
91 222.2 171.2 256.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Tgt Ion:152 Resp: 48853
Ion Ratio Lower Upper
152 100
115 65.3 46.9 140.7
150 159.4 0.0 351.0

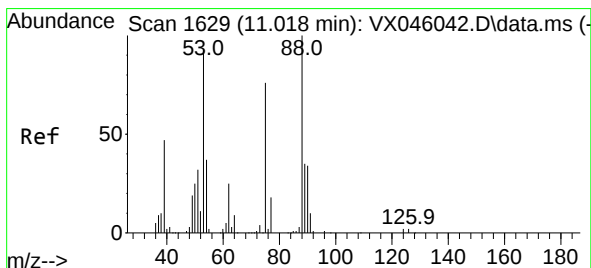
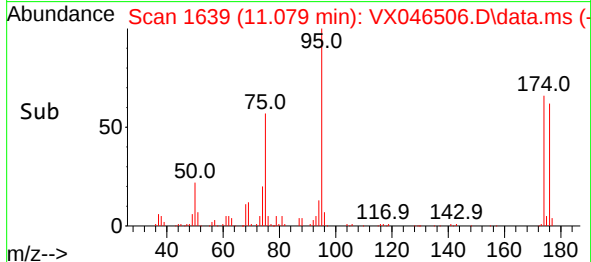
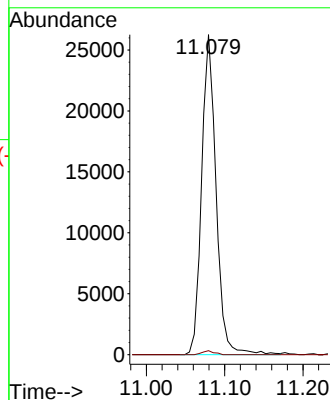
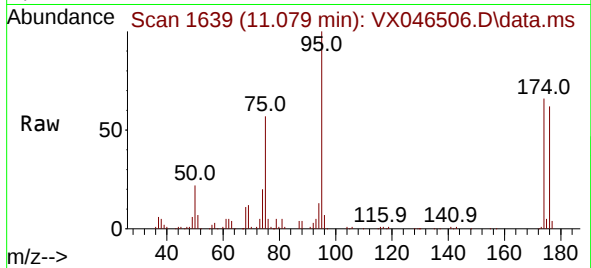




#76
1,2,3-Trichloropropane
Concen: 28.627 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

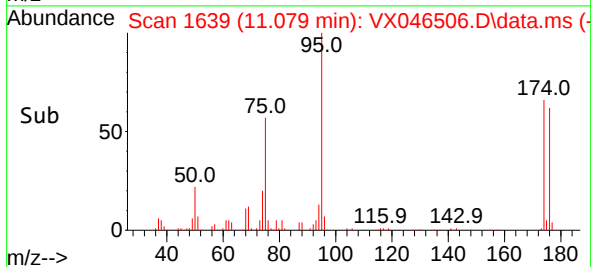
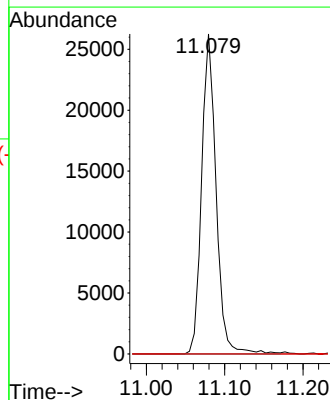
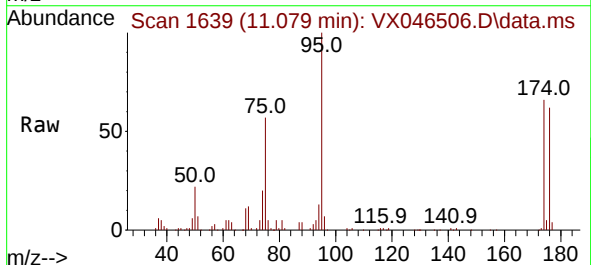
Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

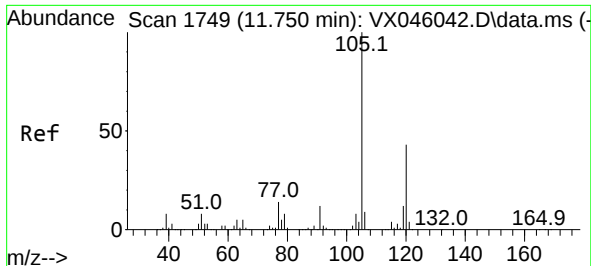
Tgt Ion: 75 Resp: 33663
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.201 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Tgt Ion: 75 Resp: 33663
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

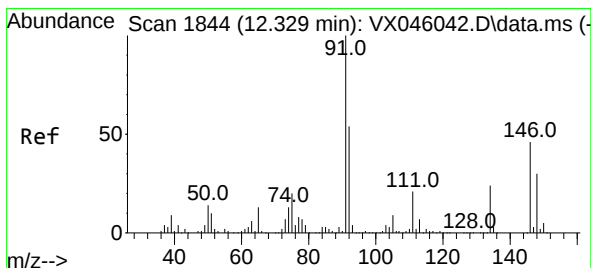
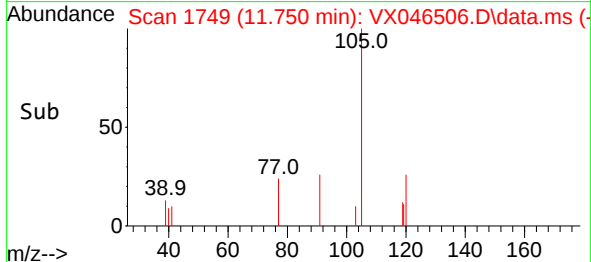
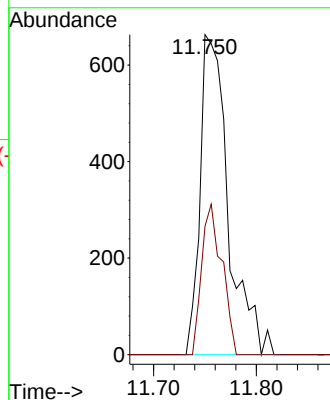
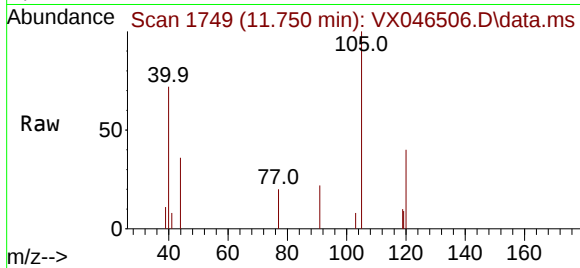




#84
1,2,4-Trimethylbenzene
Concen: 0.393 ug/l
RT: 11.750 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

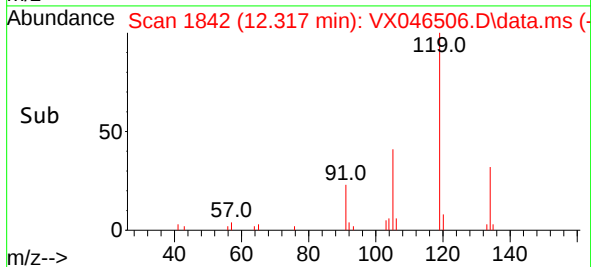
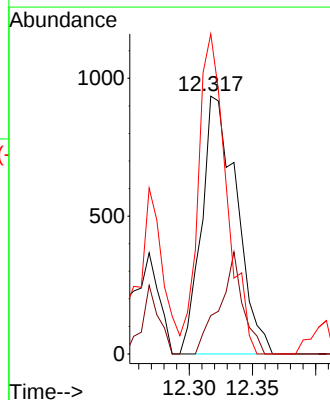
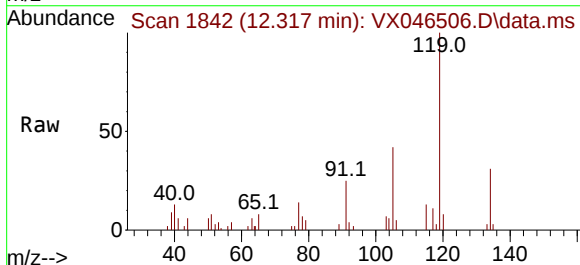
Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

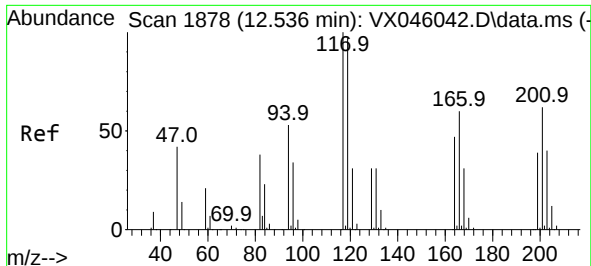
Tgt Ion:105 Resp: 1264
Ion Ratio Lower Upper
105 100
120 33.8 21.2 63.6



#89
n-Butylbenzene
Concen: 0.633 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.012 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Tgt Ion: 91 Resp: 1801
Ion Ratio Lower Upper
91 100
92 26.7 26.9 80.7#
134 99.9 11.8 35.3#

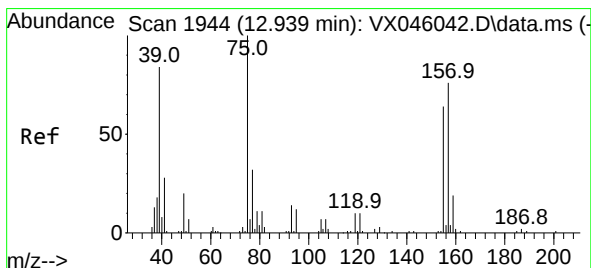
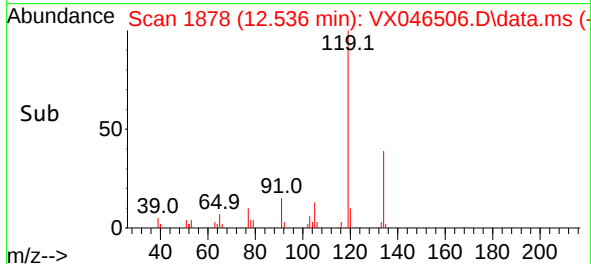
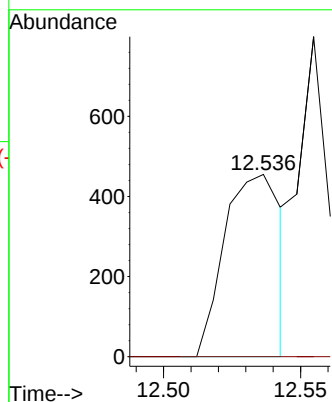
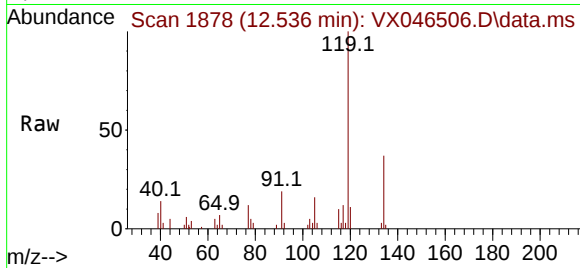




#90
Hexachloroethane
Concen: 1.144 ug/l
RT: 12.536 min Scan# 117
Delta R.T. 0.000 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

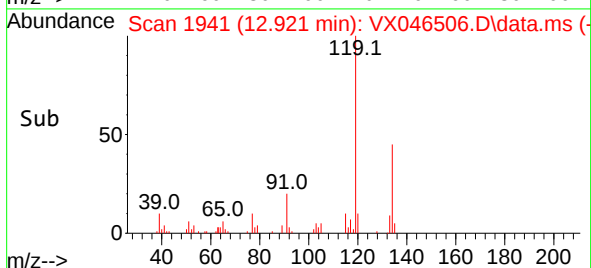
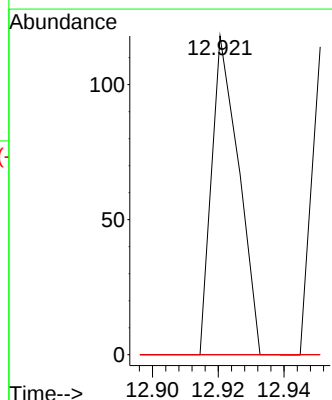
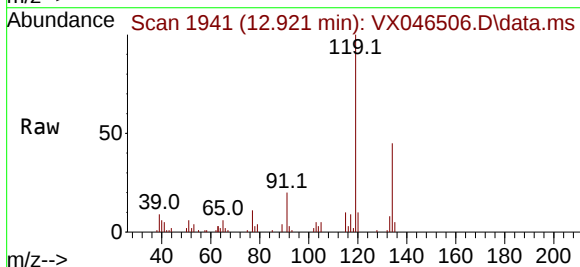
Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

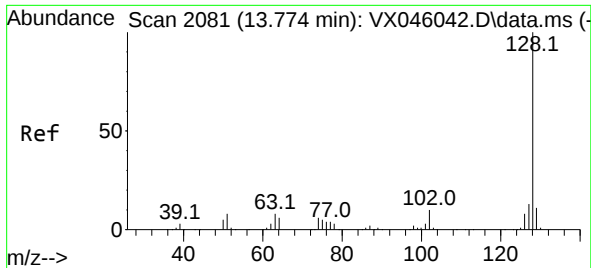
Tgt Ion:117 Resp: 654
Ion Ratio Lower Upper
117 100
201 0.0 31.6 94.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.230 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. -0.018 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Tgt Ion: 75 Resp: 68
Ion Ratio Lower Upper
75 100
155 0.0 34.9 104.8#
157 0.0 43.8 131.4#





#95
Naphthalene
Concen: 8.007 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

Tgt Ion:128 Resp: 27276
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 10.8 8.6 13.0

