

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086948.D
 Acq On : 11 Jun 2025 15:06
 Operator : JC\MD
 Sample : Q2250-01DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11A-13.5-060525DL

Quant Time: Jun 12 01:33:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

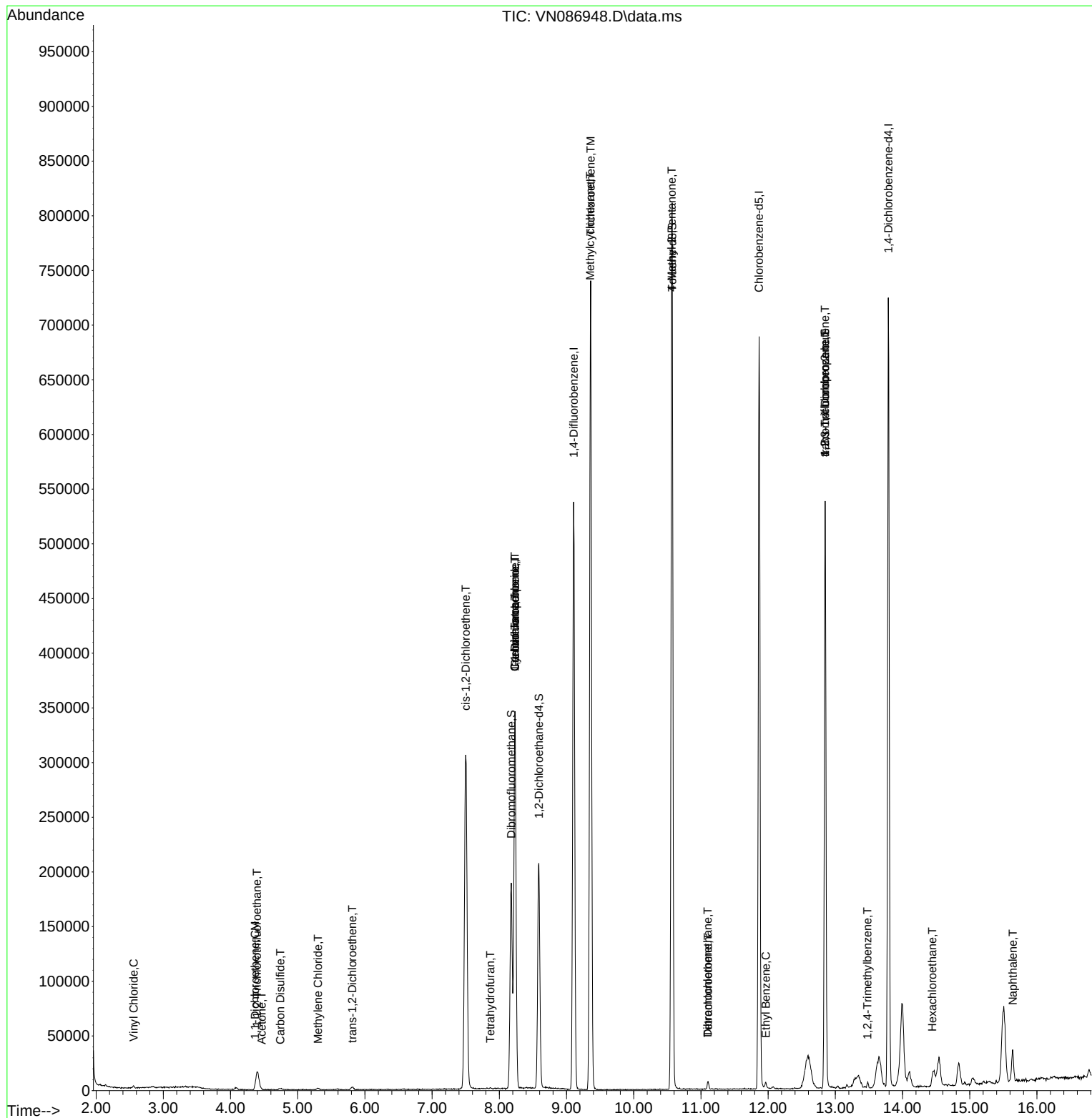
Internal Standards						
1) Pentafluorobenzene	8.236	168	272350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	500042	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	434591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	208257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	168991	46.344	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	92.680%	
35) Dibromofluoromethane	8.177	113	143354	48.375	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	96.760%	
50) Toluene-d8	10.571	98	599641	51.115	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	102.240%	
62) 4-Bromofluorobenzene	12.847	95	214176	49.140	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	98.280%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.559	62	1187	0.328	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.395	101	13861	4.668	ug/l	97
12) 1,1-Dichloroethene	4.365	96	872	0.288	ug/l #	69
16) Acetone	4.465	43	945	0.489	ug/l #	40
17) Carbon Disulfide	4.742	76	2234	0.266	ug/l #	75
20) Methylene Chloride	5.300	84	1175	0.325	ug/l #	77
21) trans-1,2-Dichloroethene	5.812	96	1962	0.582	ug/l #	73
27) cis-1,2-Dichloroethene	7.500	96	208706	51.744	ug/l	89
29) Tetrahydrofuran	7.865	42	458	0.224	ug/l #	70
31) Cyclohexane	8.230	56	4818	0.815	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	20644	4.675	ug/l #	46
38) Carbon Tetrachloride	8.230	117	26026	6.003	ug/l #	18
39) Methylcyclohexane	9.353	83	3218	0.532	ug/l #	1
44) Trichloroethene	9.359	130	290594	84.873	ug/l	98
51) 4-Methyl-2-Pentanone	10.565	43	2033	0.374	ug/l #	1
60) Dibromochloromethane	11.100	129	1869	0.528	ug/l #	11
64) Tetrachloroethene	11.106	164	1673	0.608	ug/l #	78
67) Ethyl Benzene	11.965	91	4335	0.263	ug/l #	77
76) 1,2,3-Trichloropropane	12.847	75	99438	20.087	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	99438	46.239	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.476	105	3551	0.283	ug/l	96
90) Hexachloroethane	14.441	117	2141	0.918	ug/l #	17
95) Naphthalene	15.641	128	29911	1.913	ug/l	98

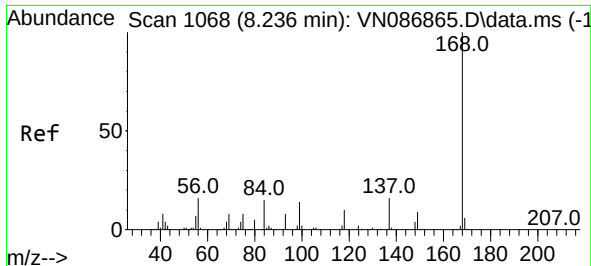
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

Quant Time: Jun 12 01:33:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

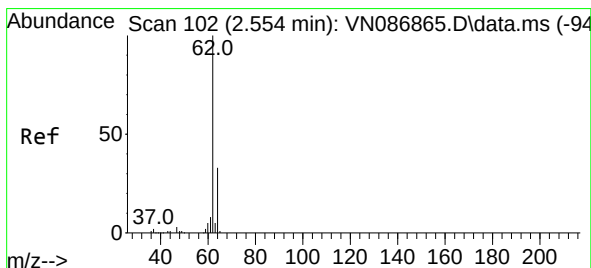
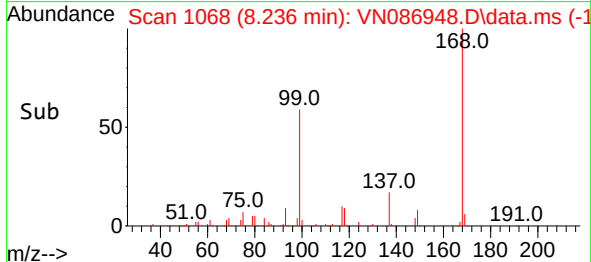
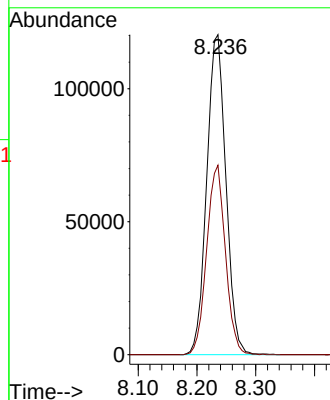
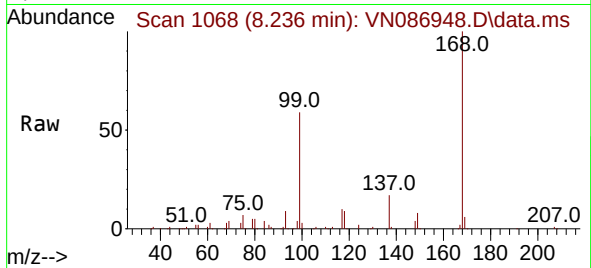




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

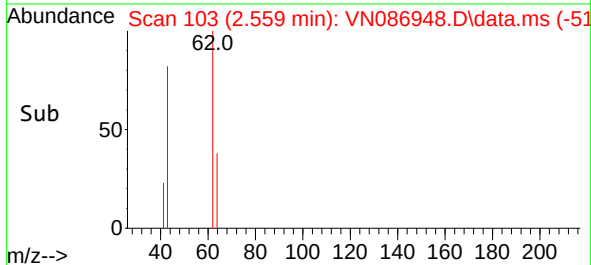
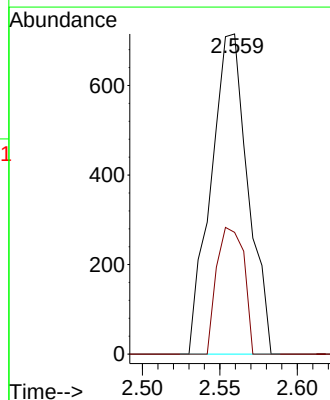
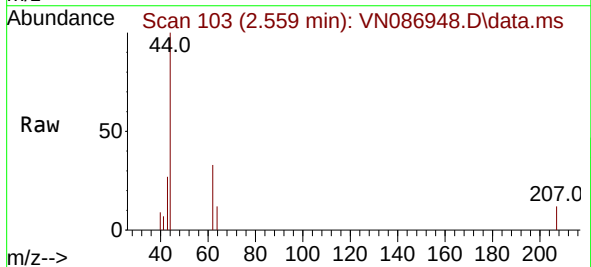
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

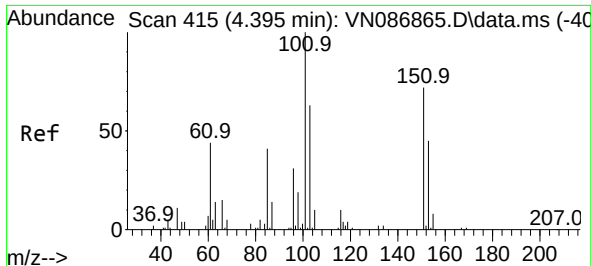
Tgt Ion:168 Resp: 272350
Ion Ratio Lower Upper
168 100
99 59.2 49.1 73.7



#4
Vinyl Chloride
Concen: 0.328 ug/l
RT: 2.559 min Scan# 103
Delta R.T. 0.006 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Tgt Ion: 62 Resp: 1187
Ion Ratio Lower Upper
62 100
64 38.0 26.0 39.0

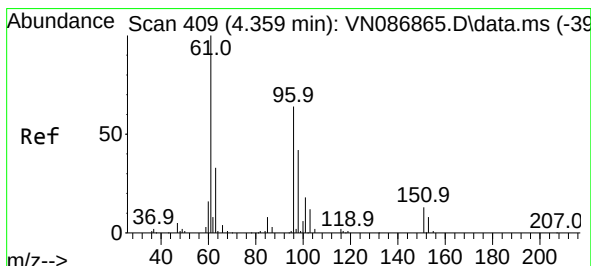
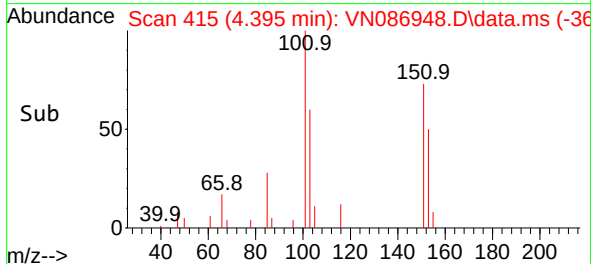
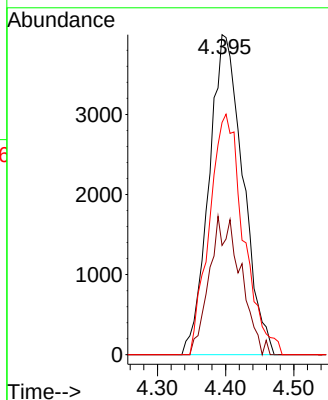
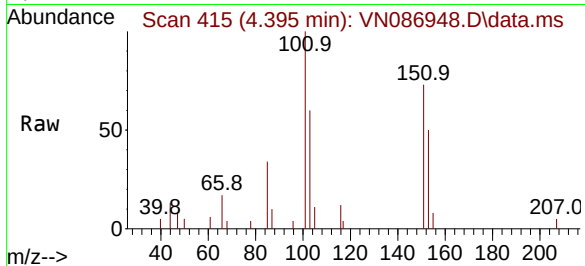




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.668 ug/l
 RT: 4.395 min Scan# 415
 Delta R.T. -0.000 min
 Lab File: VN086948.D
 Acq: 11 Jun 2025 15:06

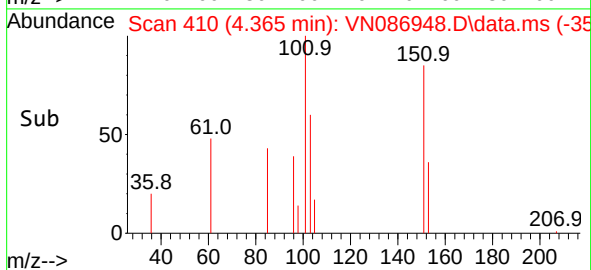
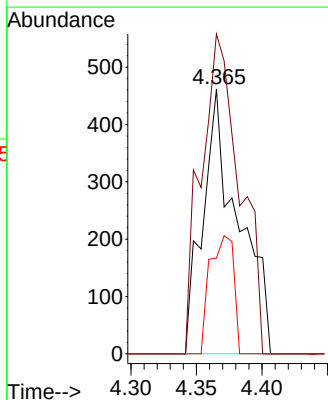
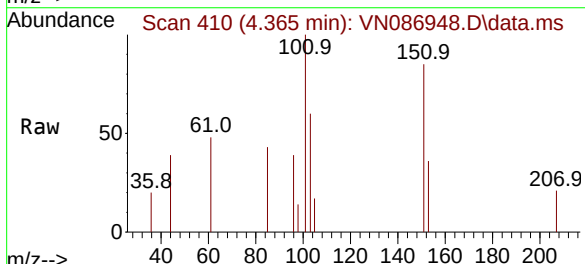
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11A-13.5-060525DL

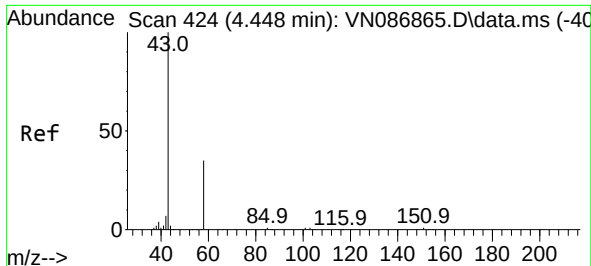
Tgt Ion:	101	Resp:	13861
Ion	Ratio	Lower	Upper
101	100		
85	39.8	33.8	50.8
151	75.5	58.7	88.1



#12
 1,1-Dichloroethene
 Concen: 0.288 ug/l
 RT: 4.365 min Scan# 410
 Delta R.T. 0.006 min
 Lab File: VN086948.D
 Acq: 11 Jun 2025 15:06

Tgt Ion:	96	Resp:	872
Ion	Ratio	Lower	Upper
96	100		
61	120.8	125.8	188.6#
98	36.1	52.5	78.7#





#16

Acetone

Concen: 0.489 ug/l

RT: 4.465 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN086948.D

Acq: 11 Jun 2025 15:06

Instrument :

MSVOA_N

ClientSampleId :

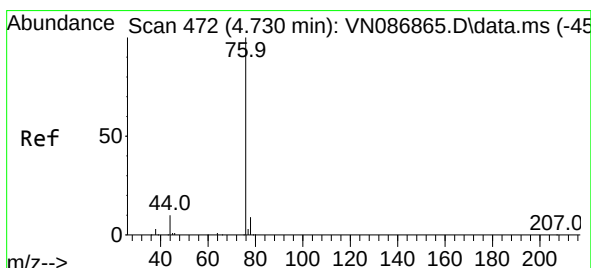
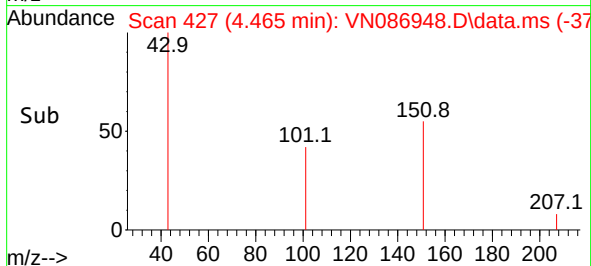
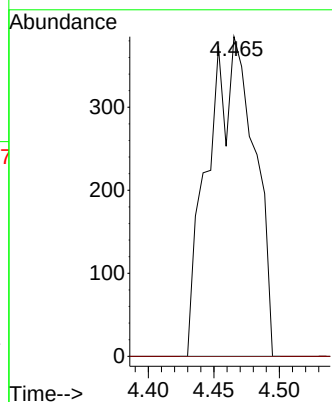
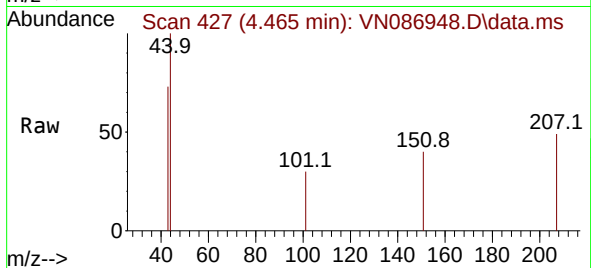
MW-11A-13.5-060525DL

Tgt Ion: 43 Resp: 945

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#17

Carbon Disulfide

Concen: 0.266 ug/l

RT: 4.742 min Scan# 474

Delta R.T. 0.012 min

Lab File: VN086948.D

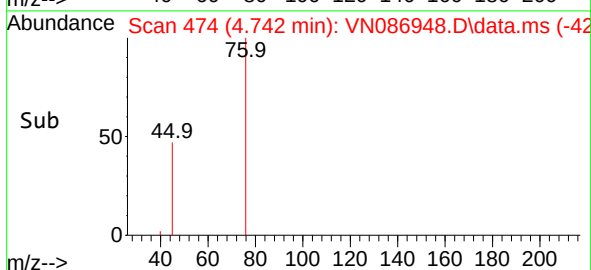
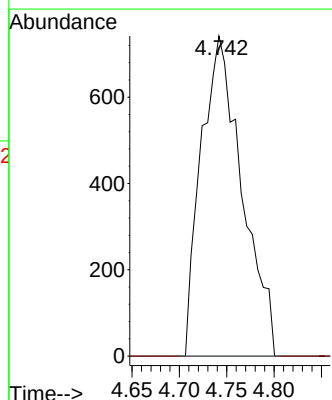
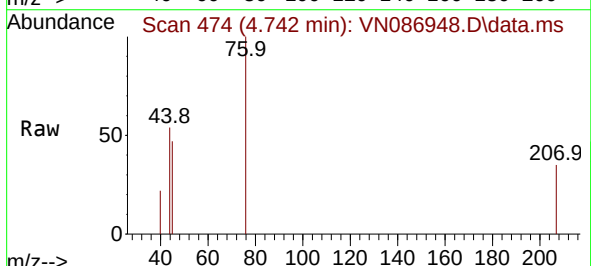
Acq: 11 Jun 2025 15:06

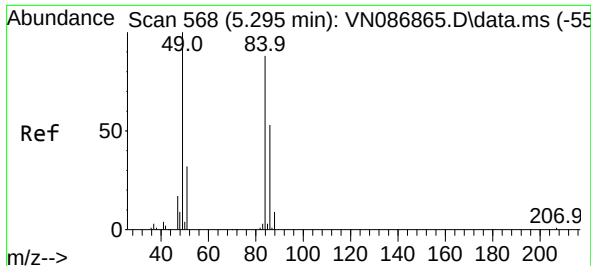
Tgt Ion: 76 Resp: 2234

Ion Ratio Lower Upper

76 100

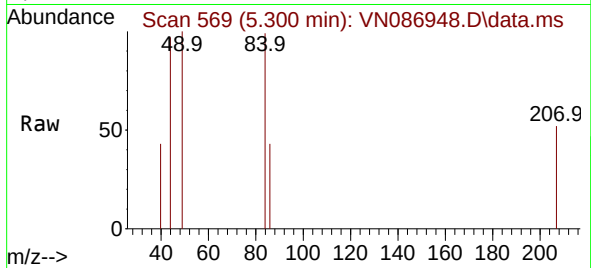
78 0.0 7.3 10.9#





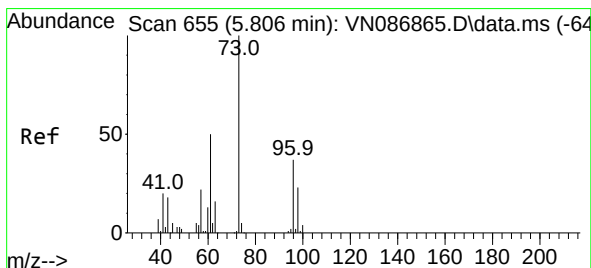
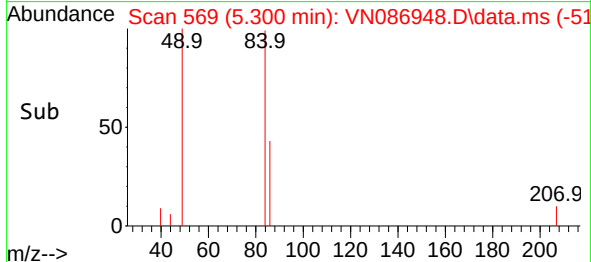
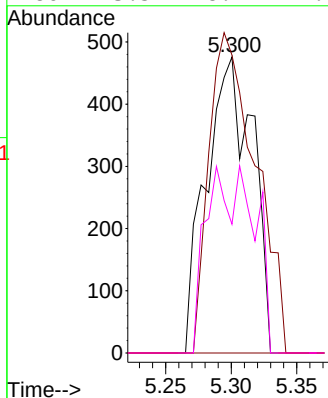
#20
Methylene Chloride
Concen: 0.325 ug/l
RT: 5.300 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL



Tgt Ion: 84 Resp: 1175

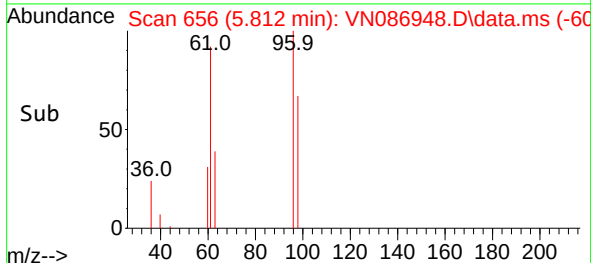
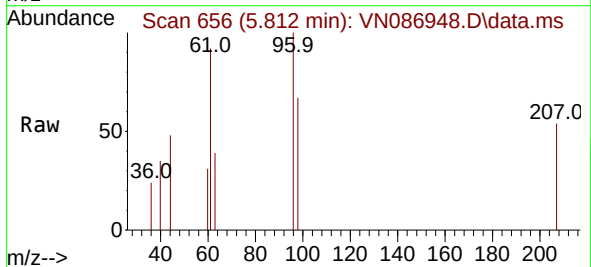
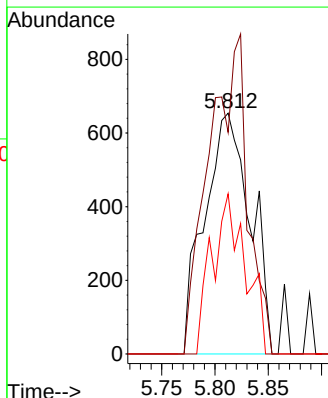
Ion	Ratio	Lower	Upper
84	100		
49	100.6	90.5	135.7
51	0.0	28.5	42.7#
86	43.5	48.1	72.1#

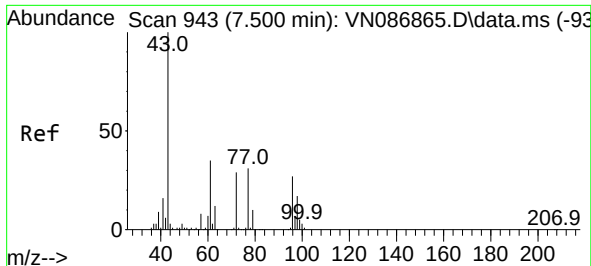


#21
trans-1,2-Dichloroethene
Concen: 0.582 ug/l
RT: 5.812 min Scan# 656
Delta R.T. 0.006 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Tgt Ion: 96 Resp: 1962

Ion	Ratio	Lower	Upper
96	100		
61	92.0	109.2	163.8#
98	66.5	49.8	74.8

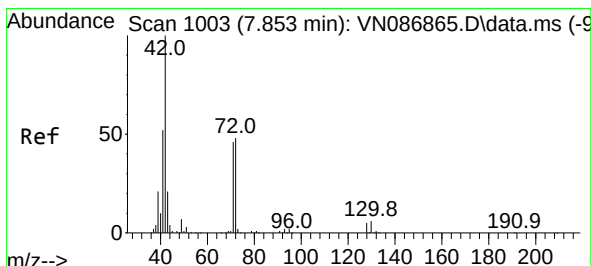
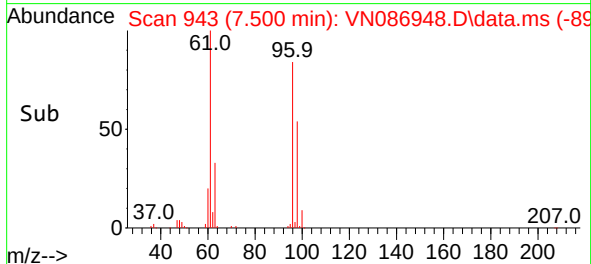
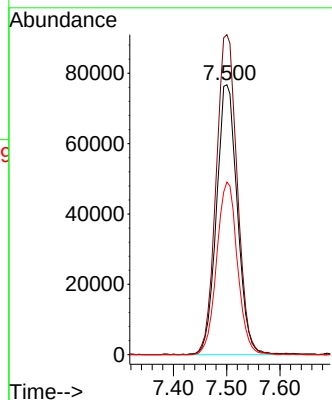
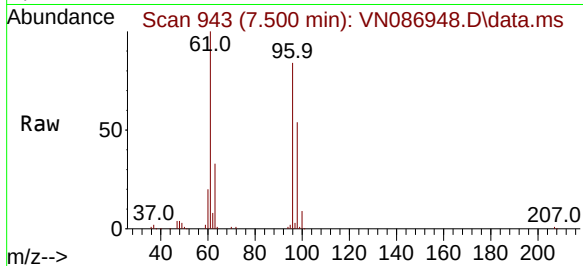




#27
 cis-1,2-Dichloroethene
 Concen: 51.744 ug/l
 RT: 7.500 min Scan# 94
 Delta R.T. 0.000 min
 Lab File: VN086948.D
 Acq: 11 Jun 2025 15:06

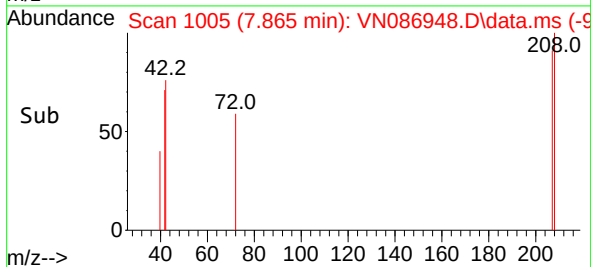
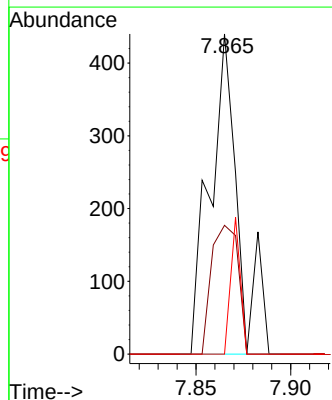
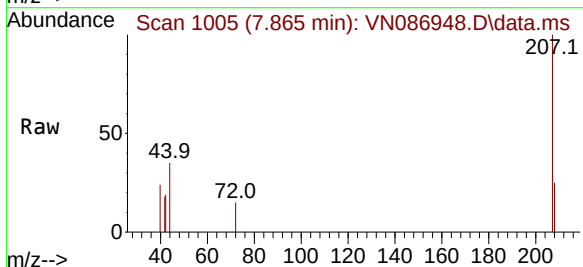
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11A-13.5-060525DL

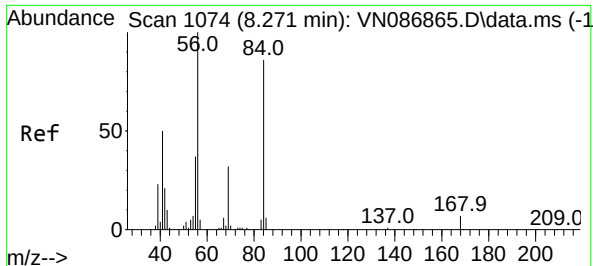
Tgt Ion: 96 Resp: 208706
 Ion Ratio Lower Upper
 96 100
 61 120.1 0.0 278.0
 98 63.6 0.0 128.2



#29
 Tetrahydrofuran
 Concen: 0.224 ug/l
 RT: 7.865 min Scan# 1005
 Delta R.T. 0.012 min
 Lab File: VN086948.D
 Acq: 11 Jun 2025 15:06

Tgt Ion: 42 Resp: 458
 Ion Ratio Lower Upper
 42 100
 72 37.8 37.8 56.6
 71 14.4 35.6 53.4#

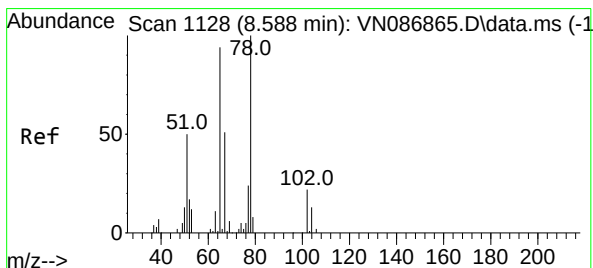
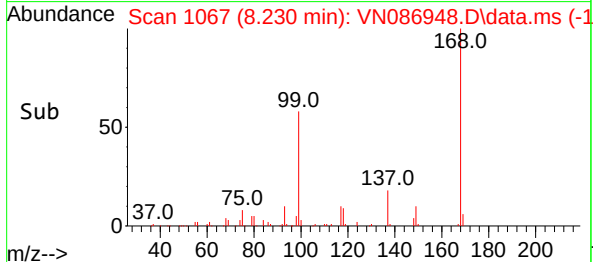
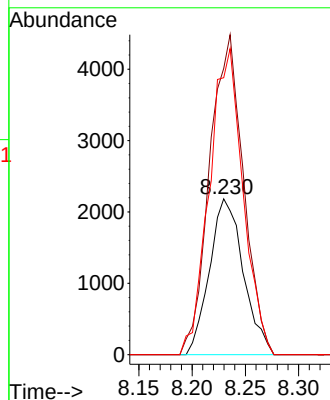
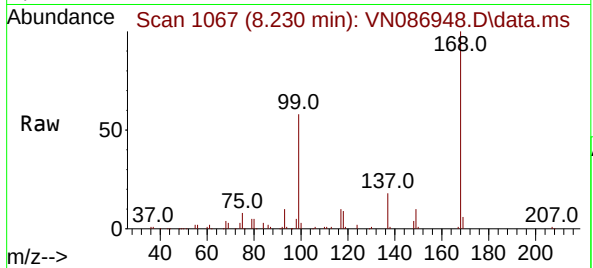




#31
Cyclohexane
Concen: 0.815 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

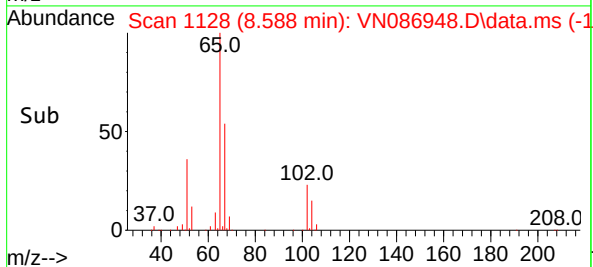
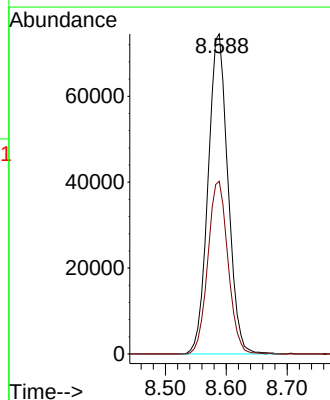
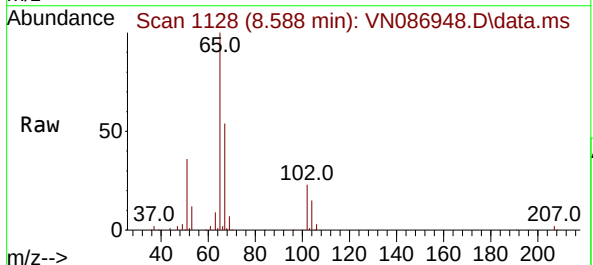
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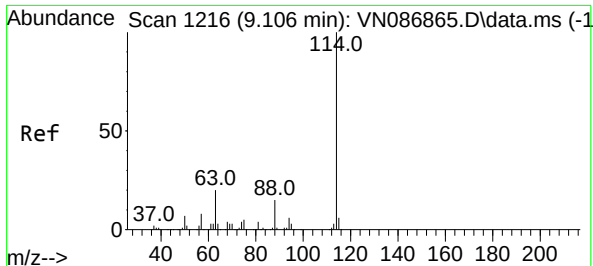
Tgt Ion: 56 Resp: 4818
Ion Ratio Lower Upper
56 100
69 183.6 25.4 38.0#
84 177.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 46.344 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Tgt Ion: 65 Resp: 168991
Ion Ratio Lower Upper
65 100
67 54.6 0.0 105.6

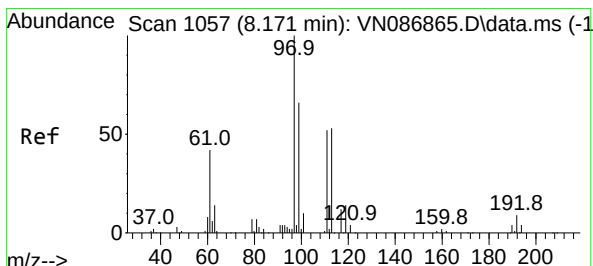
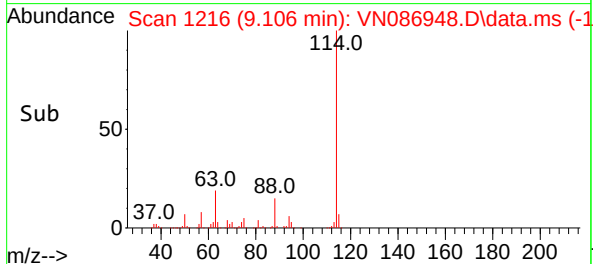
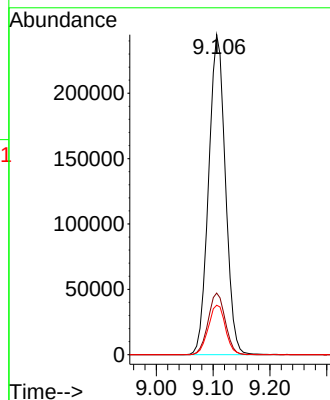
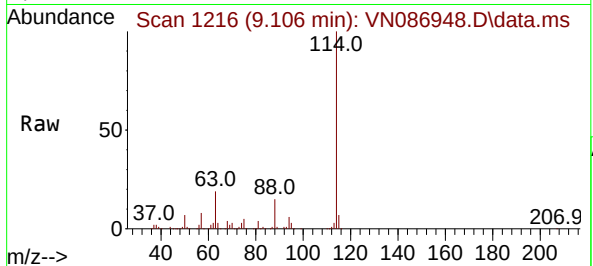




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

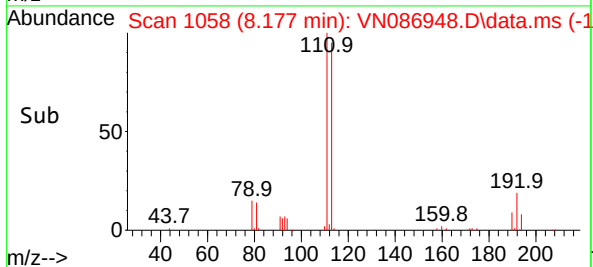
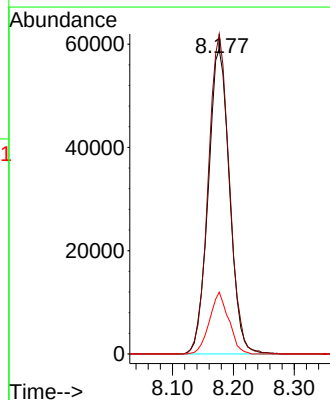
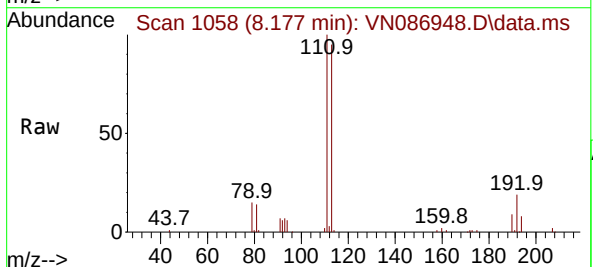
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

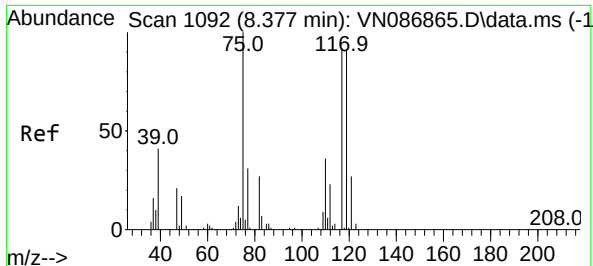
Tgt Ion:114 Resp: 500042
Ion Ratio Lower Upper
114 100
63 19.2 0.0 39.6
88 15.4 0.0 30.2



#35
Dibromofluoromethane
Concen: 48.375 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Tgt Ion:113 Resp: 143354
Ion Ratio Lower Upper
113 100
111 103.8 84.2 126.2
192 18.3 14.2 21.4

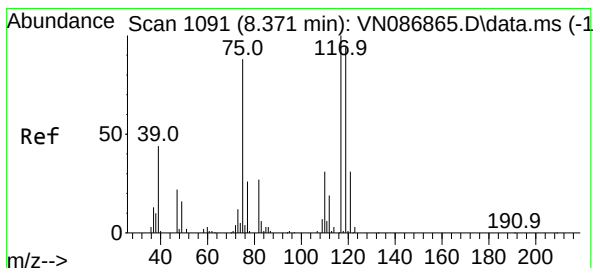
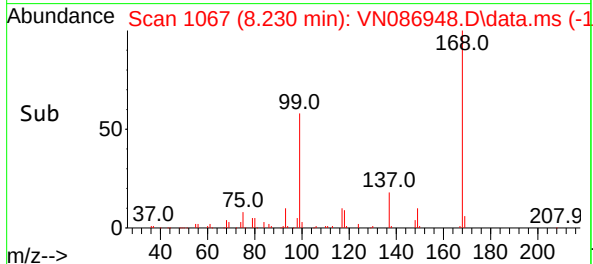
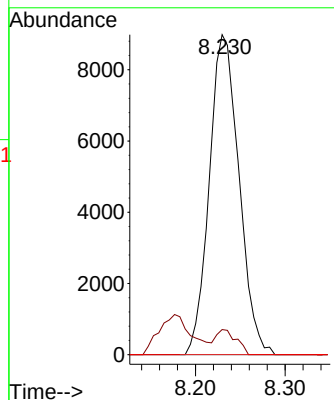
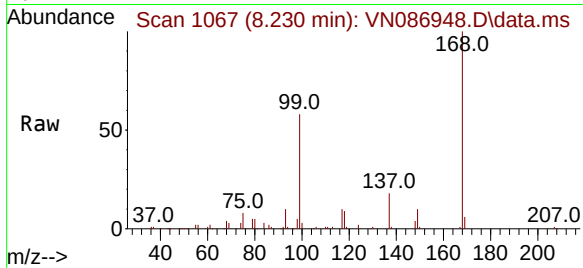




#36
1,1-Dichloropropene
Concen: 4.675 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

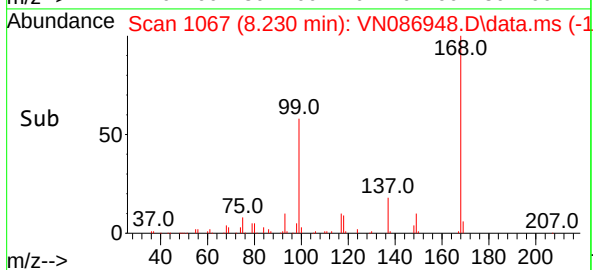
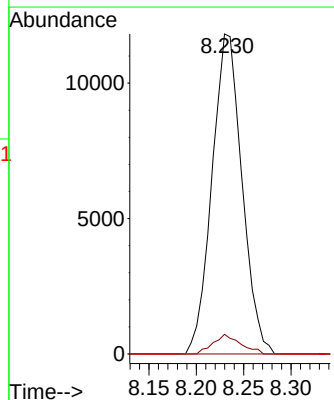
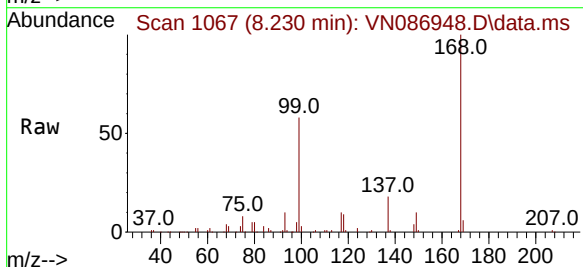
Instrument : MSVOA_N
ClientSampleId : MW-11A-13.5-060525DL

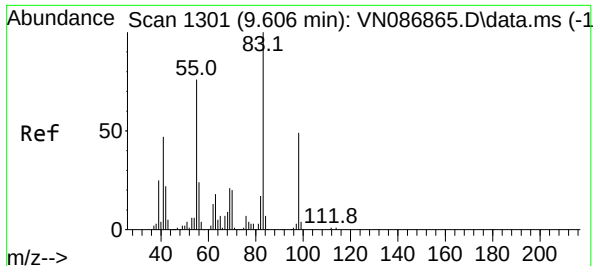
Tgt Ion: 75 Resp: 20644
Ion Ratio Lower Upper
75 100
110 5.2 17.6 52.9#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.003 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Tgt Ion: 117 Resp: 26026
Ion Ratio Lower Upper
117 100
119 6.2 75.0 112.6#
121 0.0 24.9 37.3#





#39

Methylcyclohexane

Concen: 0.532 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.253 min

Lab File: VN086948.D

Acq: 11 Jun 2025 15:06

Instrument :

MSVOA_N

ClientSampleId :

MW-11A-13.5-060525DL

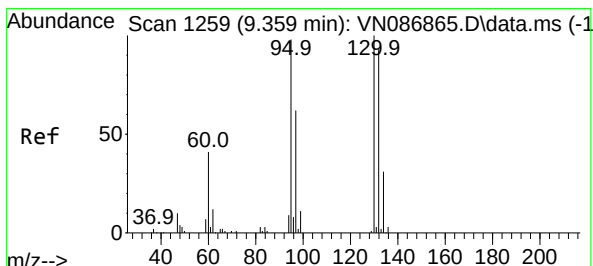
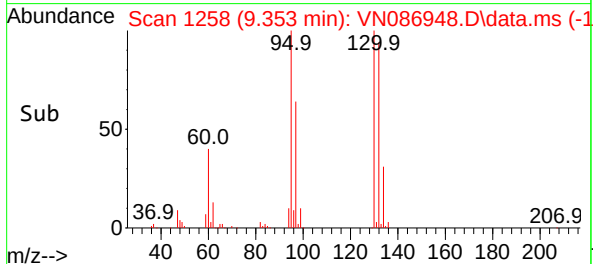
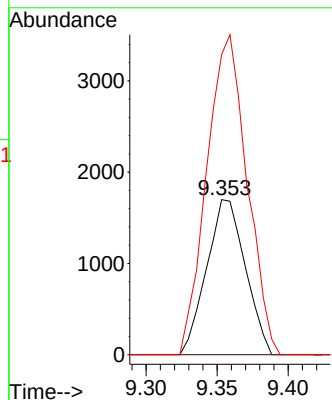
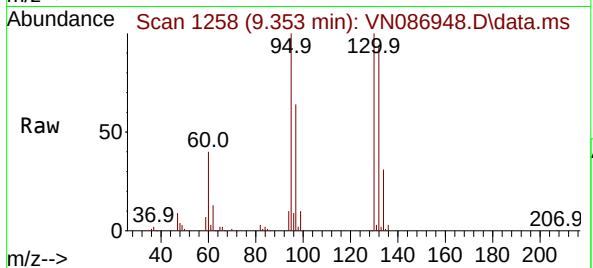
Tgt Ion: 83 Resp: 3218

Ion Ratio Lower Upper

83 100

55 0.0 61.0 91.6#

98 193.6 38.9 58.3#



#44

Trichloroethene

Concen: 84.873 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN086948.D

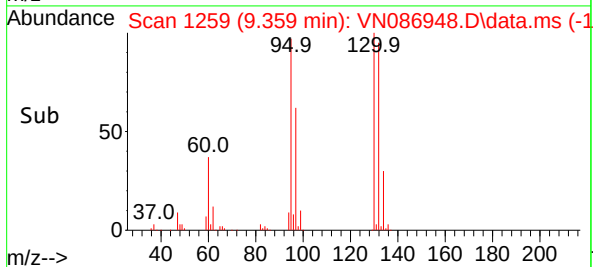
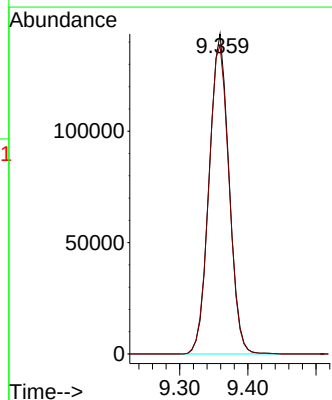
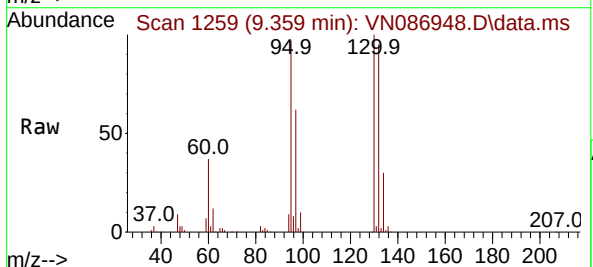
Acq: 11 Jun 2025 15:06

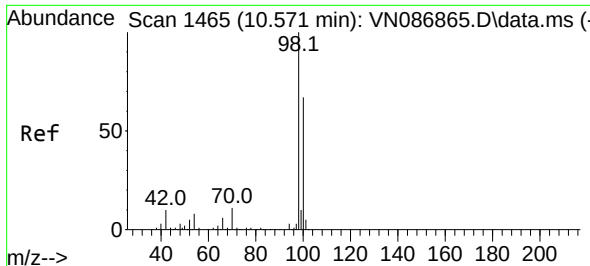
Tgt Ion:130 Resp: 290594

Ion Ratio Lower Upper

130 100

95 96.5 0.0 196.2

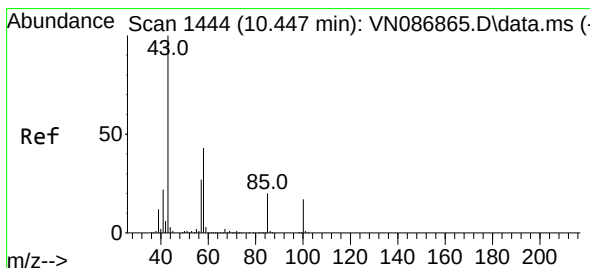
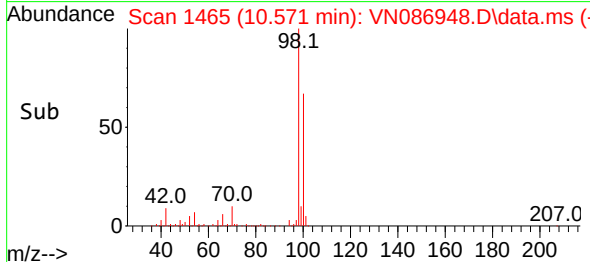
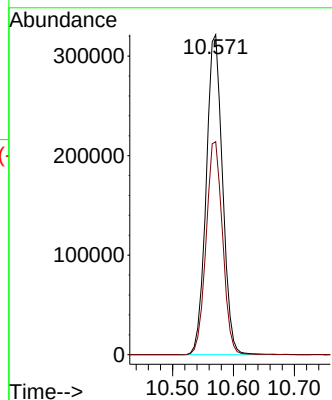
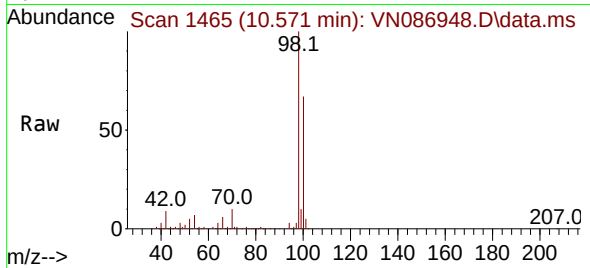




#50
Toluene-d8
Concen: 51.115 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

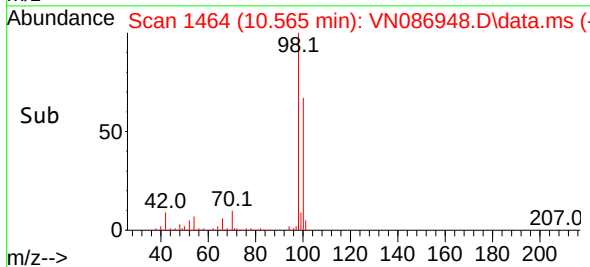
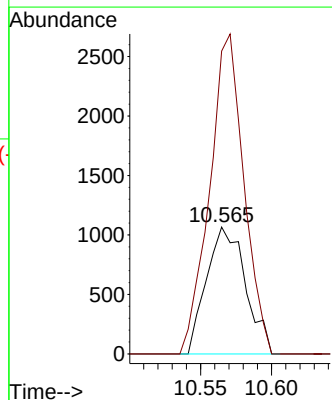
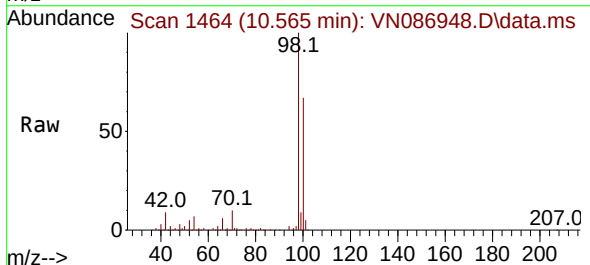
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

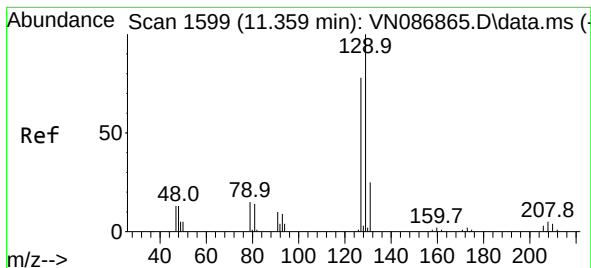
Tgt Ion: 98 Resp: 599641
Ion Ratio Lower Upper
98 100
100 67.1 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.374 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Tgt Ion: 43 Resp: 2033
Ion Ratio Lower Upper
43 100
58 222.2 34.2 51.4#

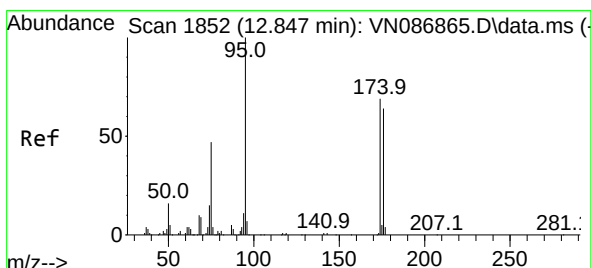
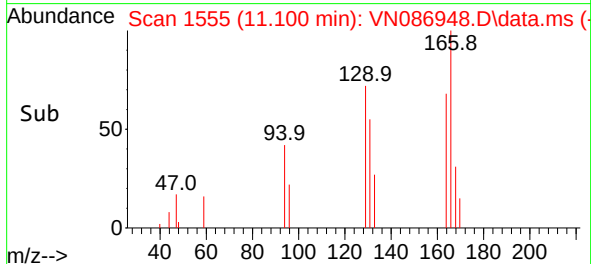
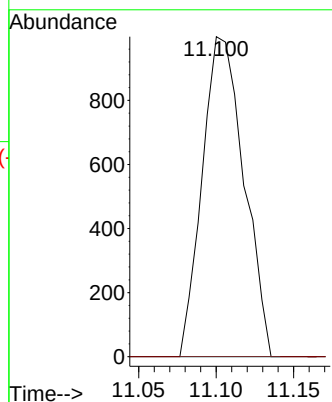
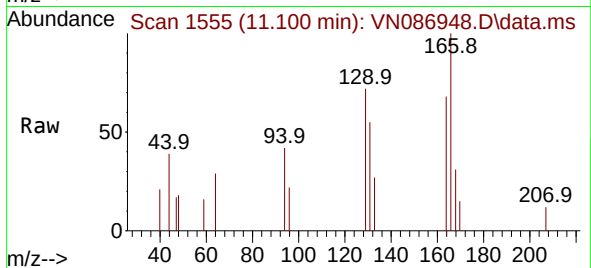




#60
Dibromochloromethane
Concen: 0.528 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

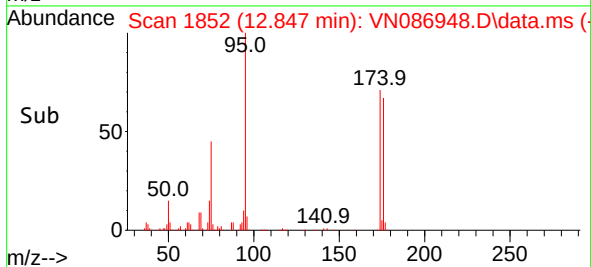
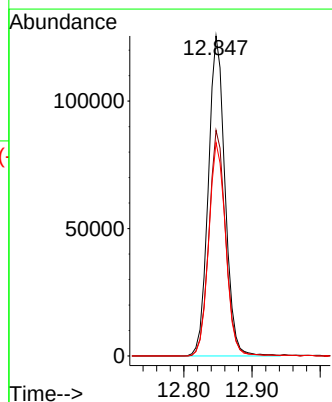
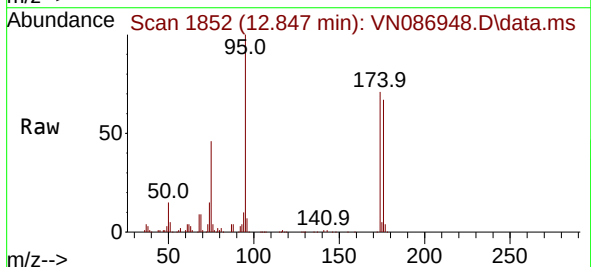
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

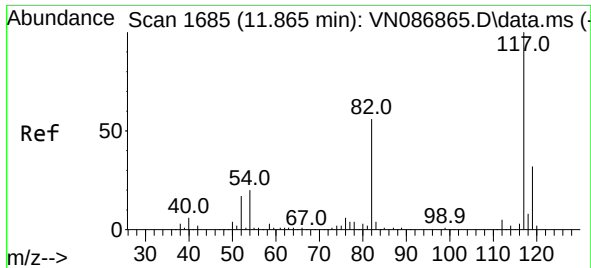
Tgt Ion:129 Resp: 1869
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 49.140 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Tgt Ion: 95 Resp: 214176
Ion Ratio Lower Upper
95 100
174 70.6 0.0 141.8
176 67.6 0.0 132.6

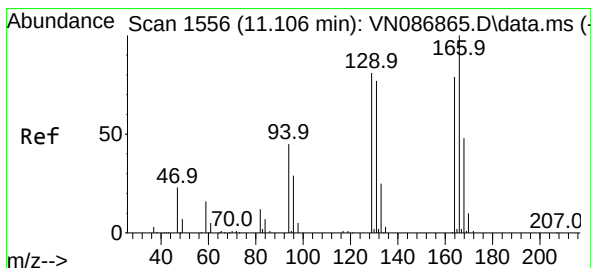
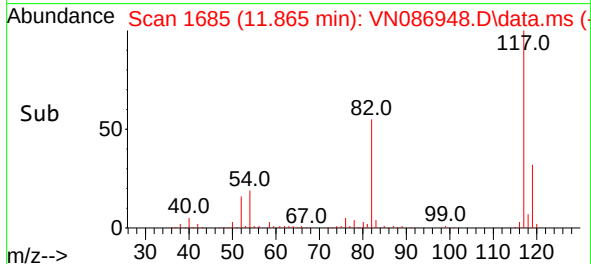
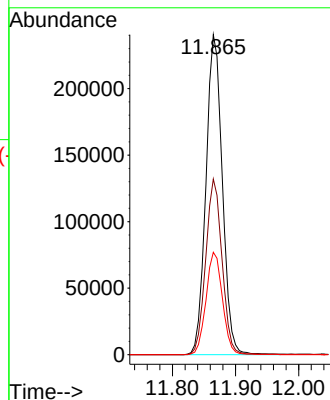
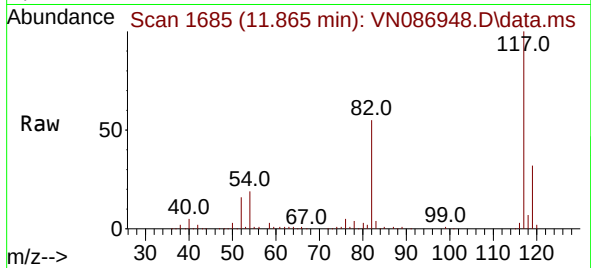




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

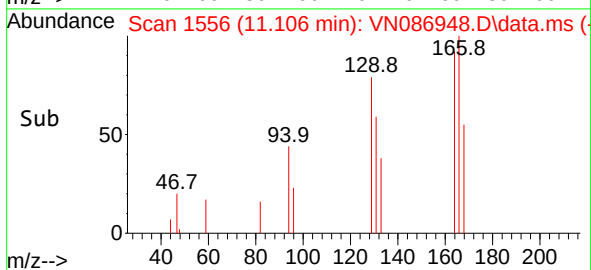
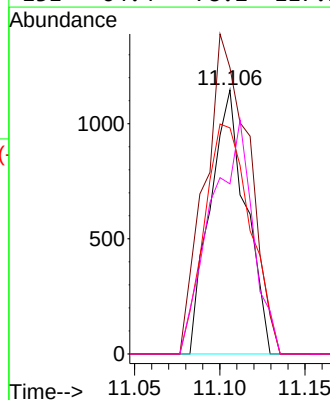
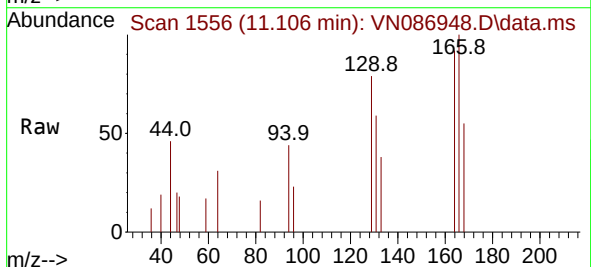
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

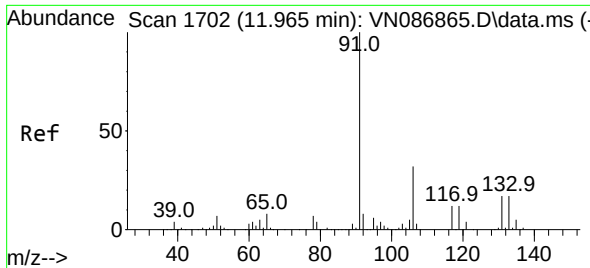
Tgt Ion:117 Resp: 434591
Ion Ratio Lower Upper
117 100
82 54.9 44.6 67.0
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 0.608 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Tgt Ion:164 Resp: 1673
Ion Ratio Lower Upper
164 100
166 108.4 101.8 152.8
129 85.6 83.0 124.4
131 64.4 78.2 117.2#

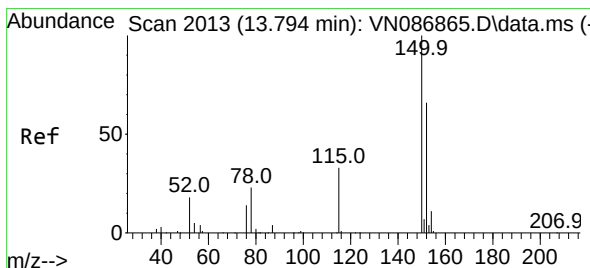
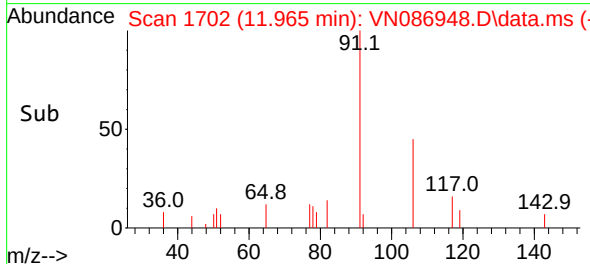
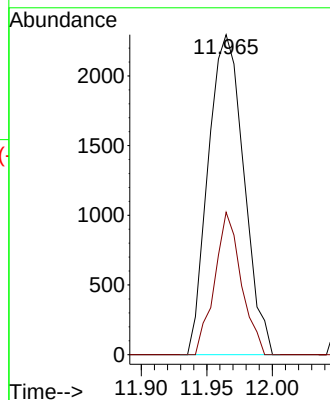
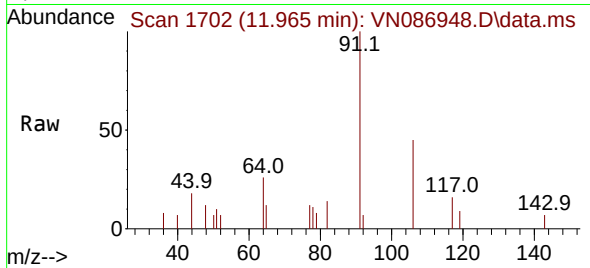




#67
Ethyl Benzene
Concen: 0.263 ug/l
RT: 11.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

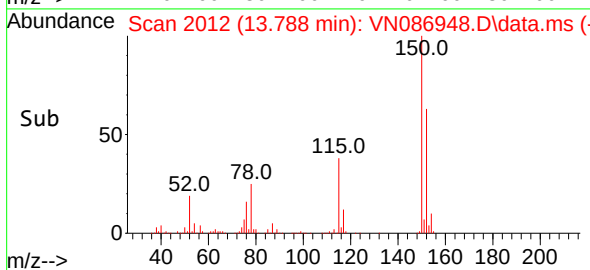
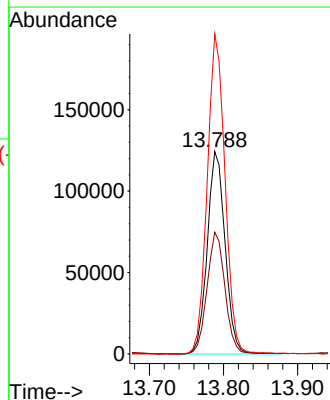
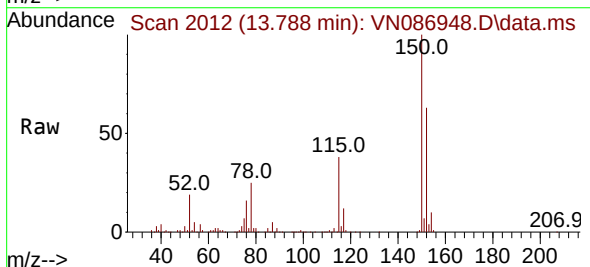
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

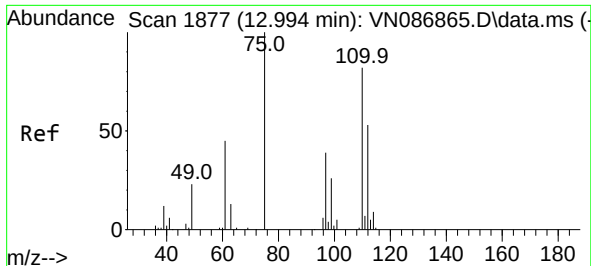
Tgt Ion: 91 Resp: 4335
Ion Ratio Lower Upper
91 100
106 44.5 25.4 38.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Tgt Ion:152 Resp: 208257
Ion Ratio Lower Upper
152 100
115 60.5 30.1 90.5
150 157.5 0.0 345.0

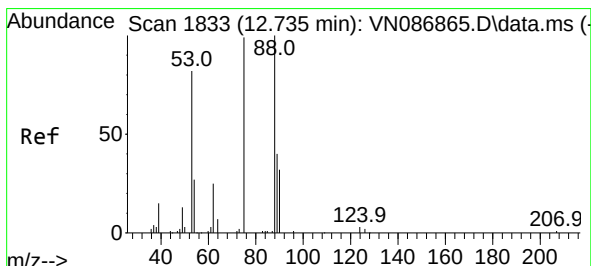
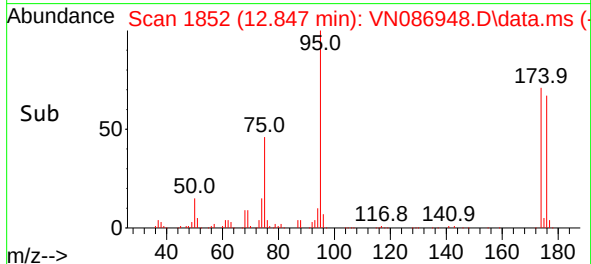
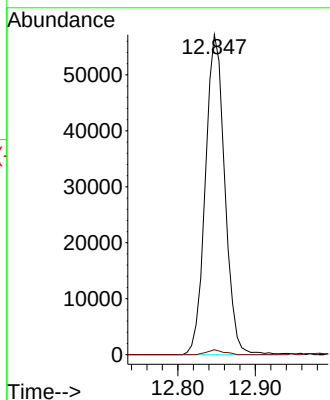
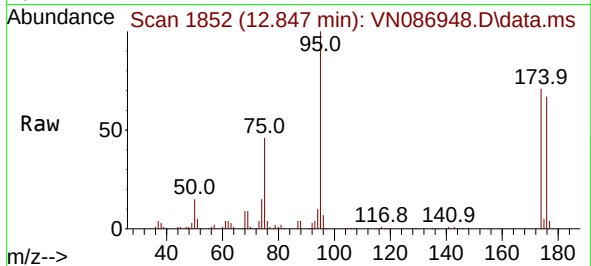




#76
1,2,3-Trichloropropane
Concen: 20.087 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

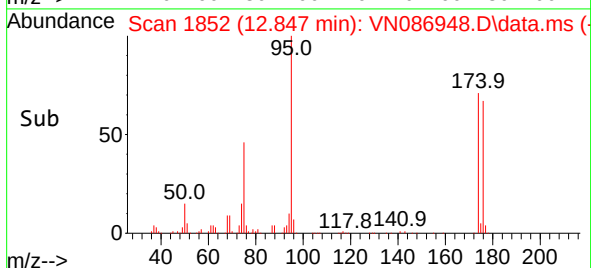
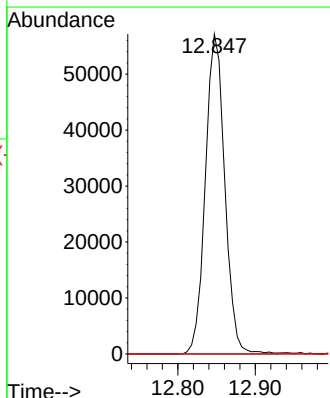
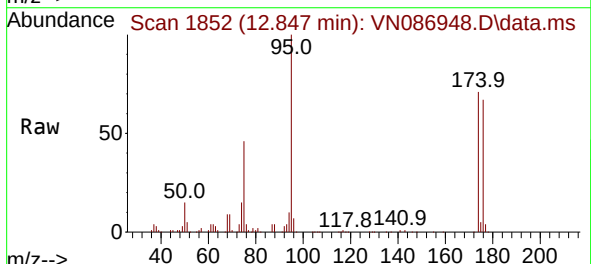
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

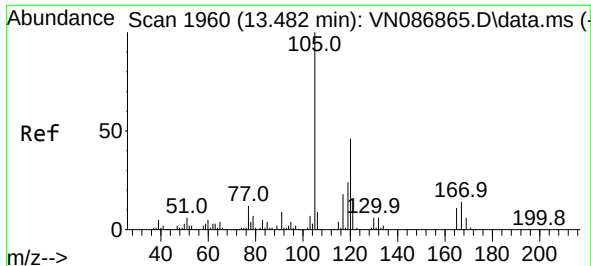
Tgt Ion: 75 Resp: 99438
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.239 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Tgt Ion: 75 Resp: 99438
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

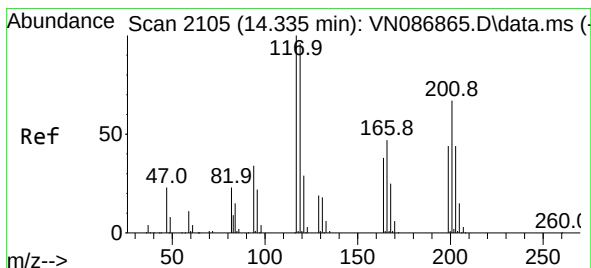
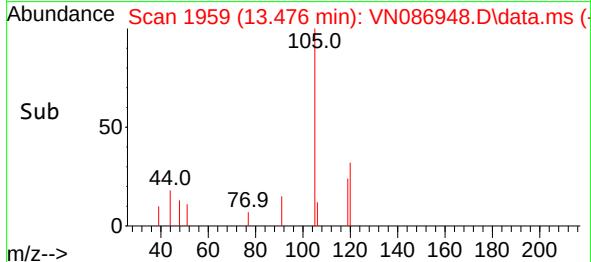
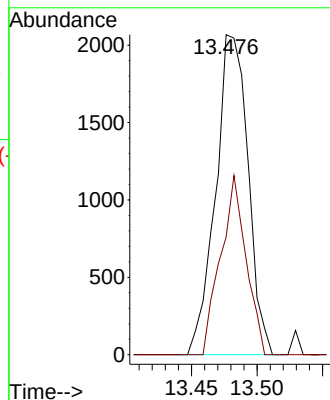
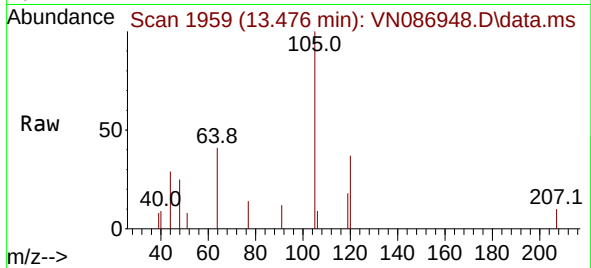




#84
1,2,4-Trimethylbenzene
Concen: 0.283 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

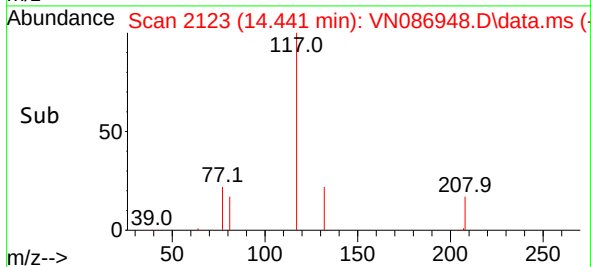
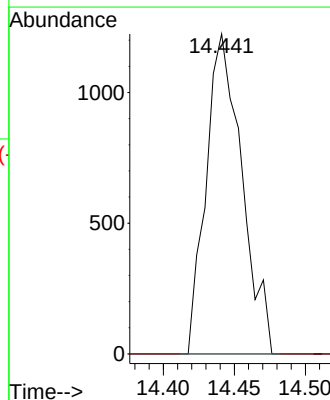
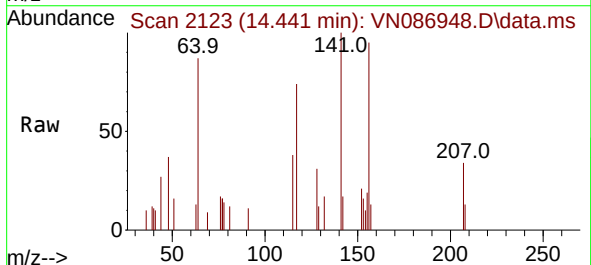
Instrument : MSVOA_N
ClientSampleId : MW-11A-13.5-060525DL

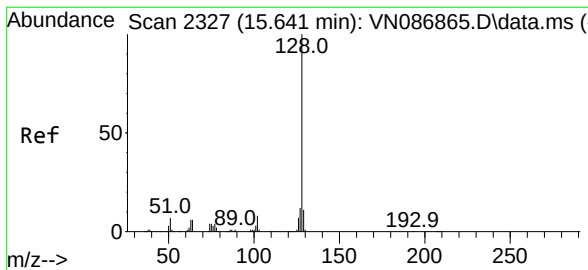
Tgt Ion:105 Resp: 3551
Ion Ratio Lower Upper
105 100
120 43.9 23.2 69.6



#90
Hexachloroethane
Concen: 0.918 ug/l
RT: 14.441 min Scan# 2123
Delta R.T. 0.106 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

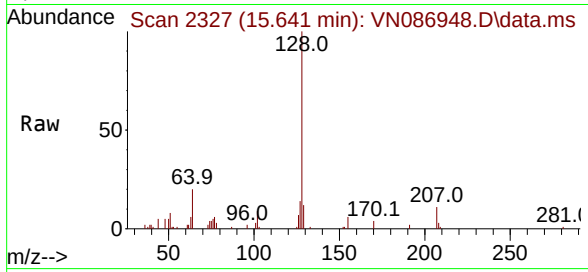
Tgt Ion:117 Resp: 2141
Ion Ratio Lower Upper
117 100
201 0.0 33.2 99.6#





#95
Naphthalene
Concen: 1.913 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL



Tgt Ion:128 Resp: 29911

Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.2	15.2
129	10.7	8.8	13.2

