

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050825\
 Data File : VN086540.D
 Acq On : 08 May 2025 12:59
 Operator : JC\MD
 Sample : VN0508WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBL01

Quant Time: May 09 01:49:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

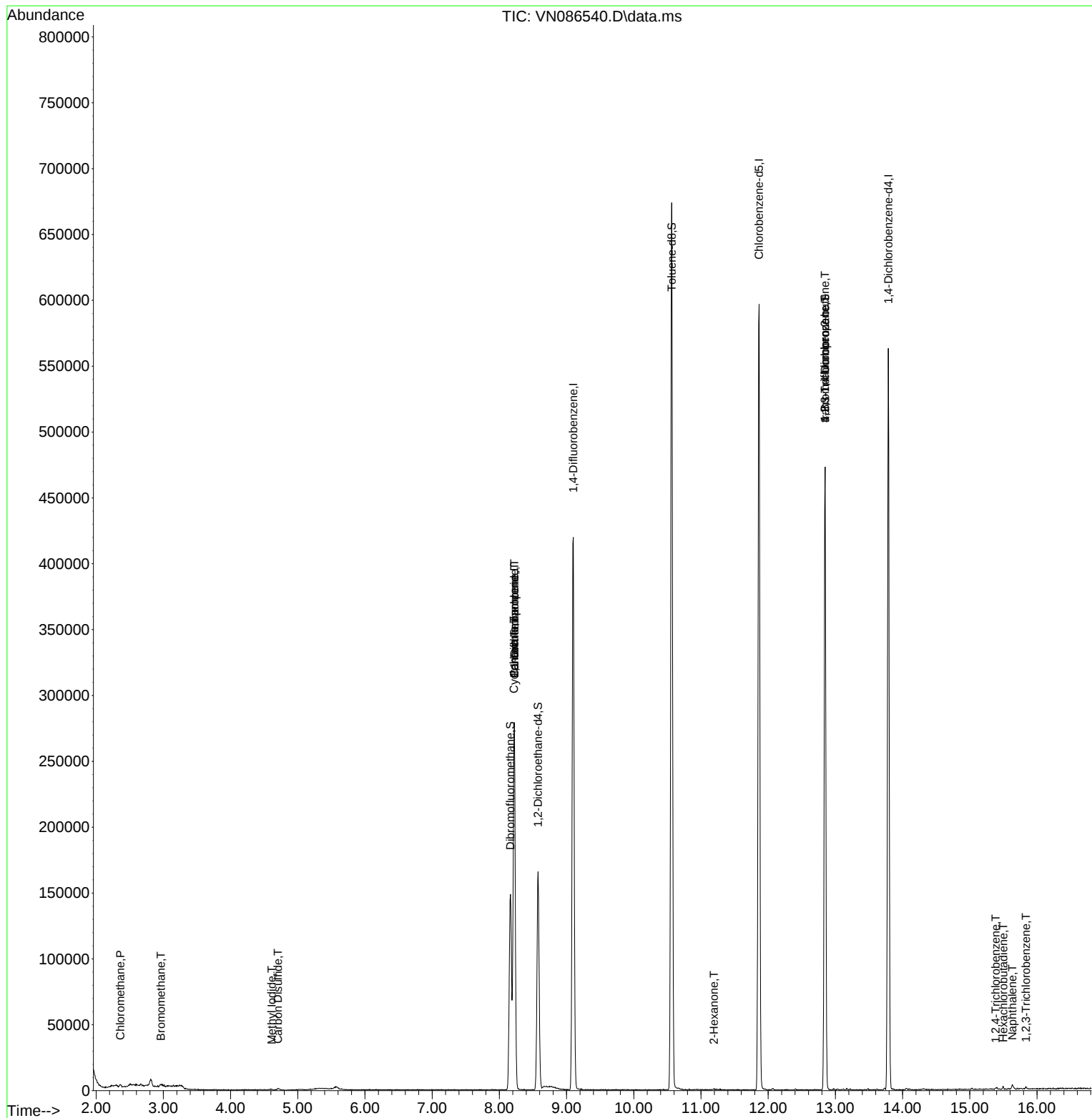
Internal Standards						
1) Pentafluorobenzene	8.224	168	210953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	384884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	360857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139305	45.539	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.080%
35) Dibromofluoromethane	8.165	113	113207	63.375	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	126.760%#
50) Toluene-d8	10.565	98	475909	49.850	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.700%
62) 4-Bromofluorobenzene	12.847	95	171539	49.263	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.520%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1697	0.467	ug/l	97
5) Bromomethane	2.965	94	1050	0.673	ug/l	82
10) Methyl Iodide	4.612	142	1412	0.553	ug/l #	42
16) Acetone	4.436	43	242	Below Cal	#	43
17) Carbon Disulfide	4.706	76	2884	0.388	ug/l #	74
31) Cyclohexane	8.218	56	4567	0.921	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16289	4.566	ug/l #	50
38) Carbon Tetrachloride	8.224	117	21097	6.209	ug/l #	16
43) Isopropyl Acetate	8.700	43	574	Below Cal	#	55
59) 2-Hexanone	11.194	43	676	0.237	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	86381	23.944	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	86381	57.505	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.388	180	817	0.338	ug/l #	68
94) Hexachlorobutadiene	15.500	225	581	0.636	ug/l	83
95) Naphthalene	15.635	128	4197	0.490	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.835	180	676	0.295	ug/l #	85

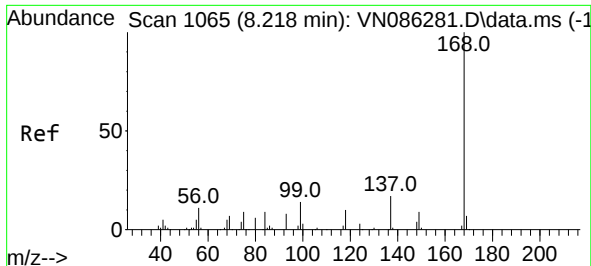
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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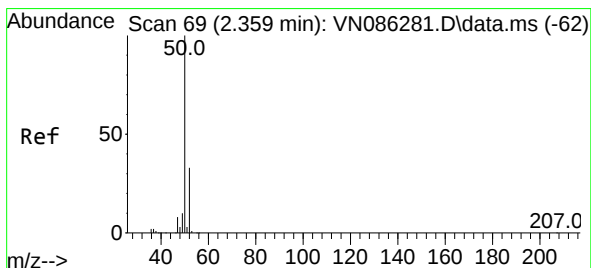
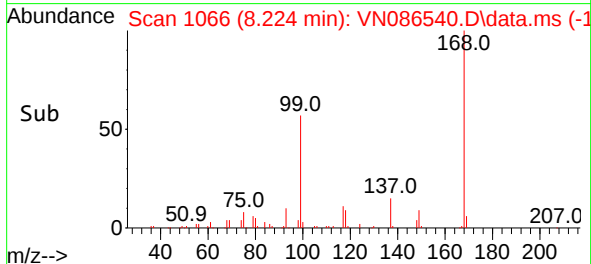
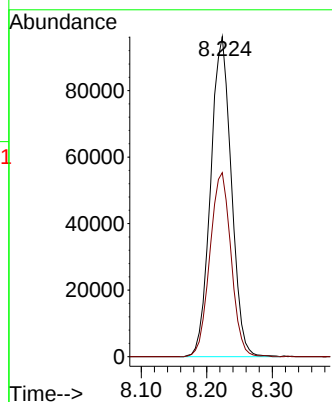
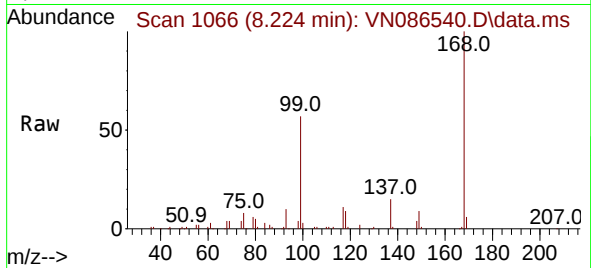




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

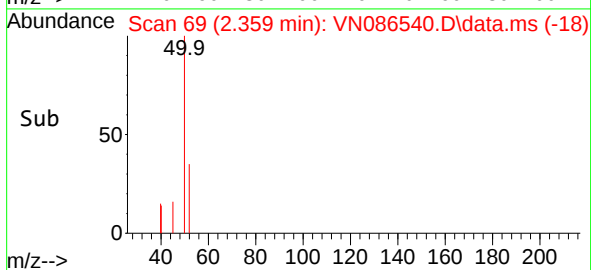
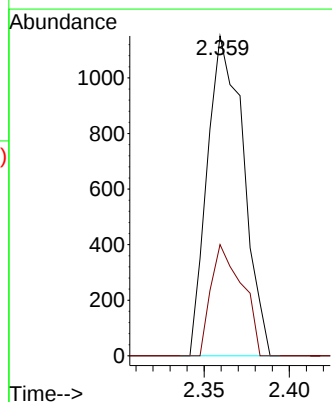
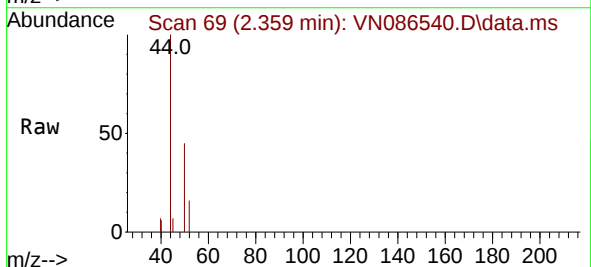
Instrument :
MSVOA_N
ClientSampleId :
VN0508WBL01

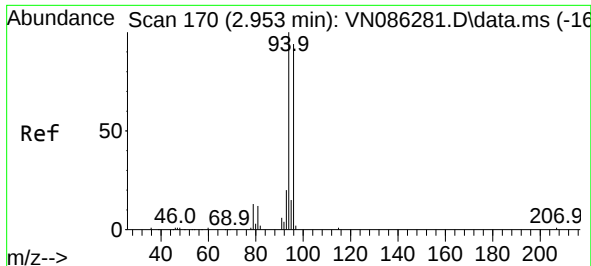
Tgt Ion:168 Resp: 210953
Ion Ratio Lower Upper
168 100
99 57.5 52.5 78.7



#3
Chloromethane
Concen: 0.467 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

Tgt Ion: 50 Resp: 1697
Ion Ratio Lower Upper
50 100
52 34.8 26.5 39.7

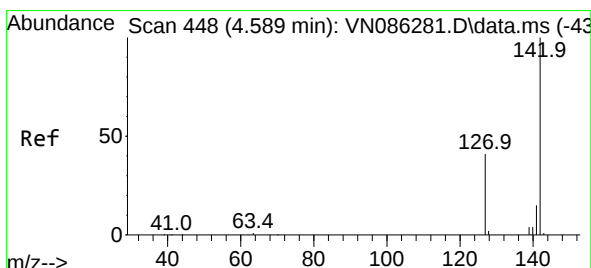
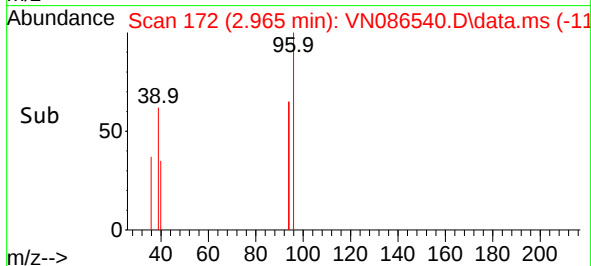
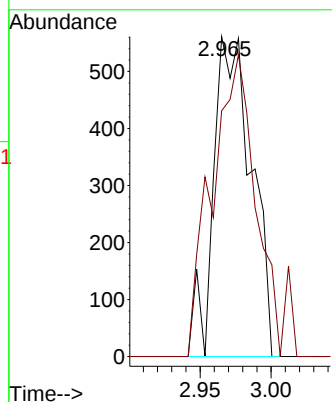
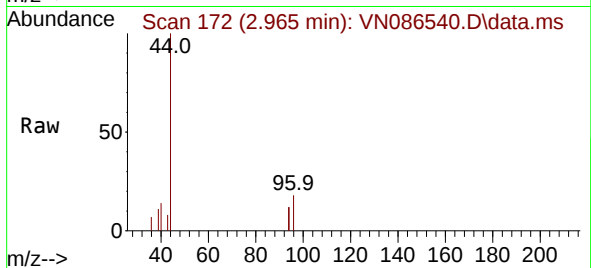




#5
Bromomethane
Concen: 0.673 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

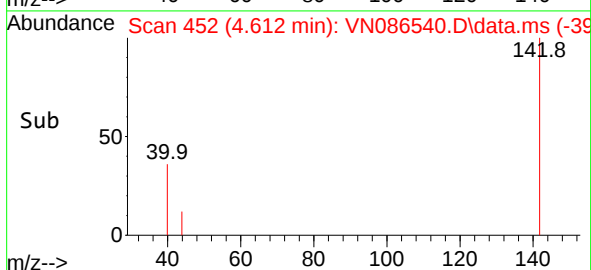
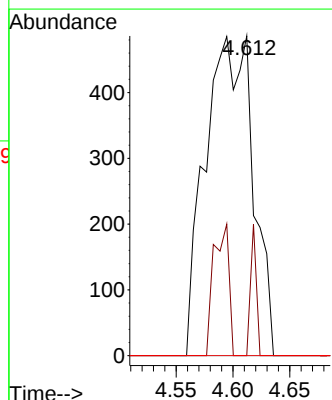
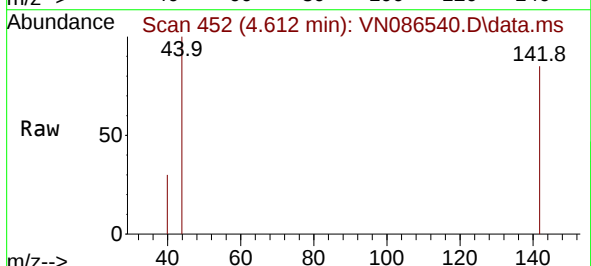
Instrument :
MSVOA_N
ClientSampleId :
VN0508WBL01

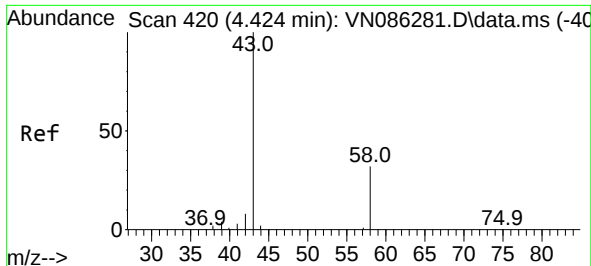
Tgt Ion: 94 Resp: 1050
Ion Ratio Lower Upper
94 100
96 76.8 75.2 112.8



#10
Methyl Iodide
Concen: 0.553 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.023 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

Tgt Ion: 142 Resp: 1412
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.7 17.5#

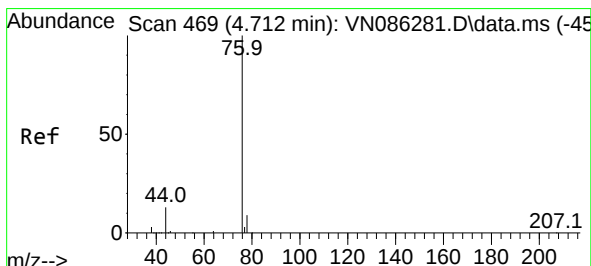
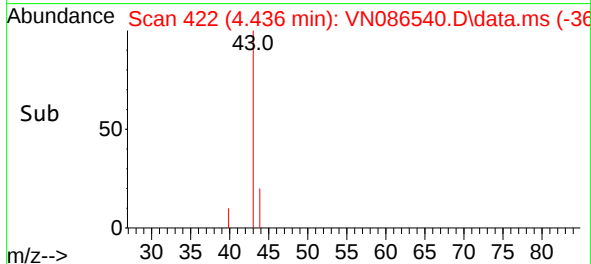
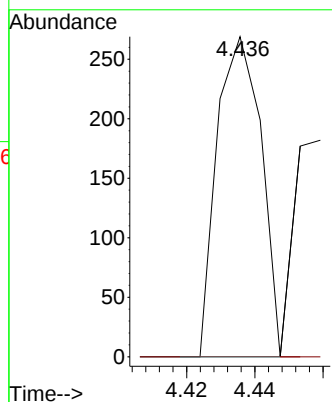
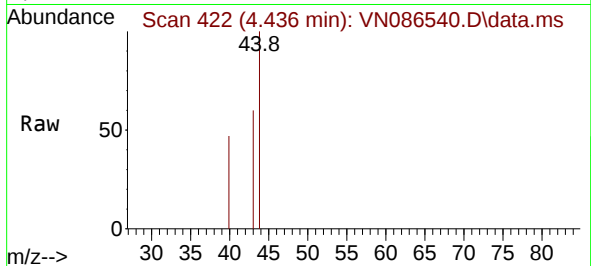




#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

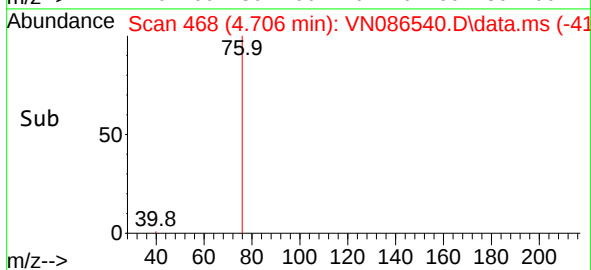
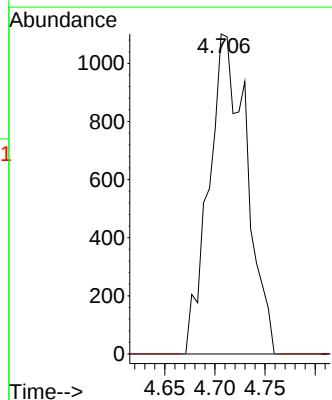
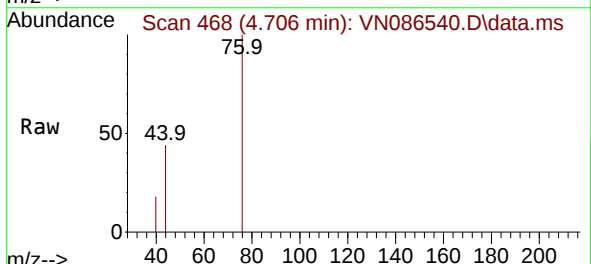
Instrument :
MSVOA_N
ClientSampleId :
VN0508WBL01

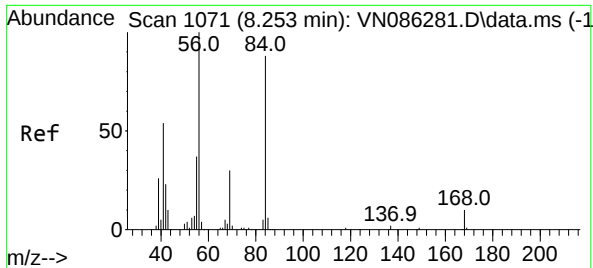
Tgt Ion: 43 Resp: 242
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



#17
Carbon Disulfide
Concen: 0.388 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

Tgt Ion: 76 Resp: 2884
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#

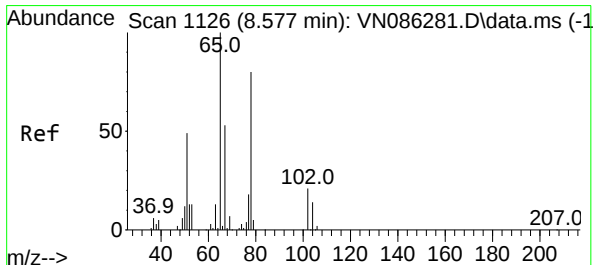
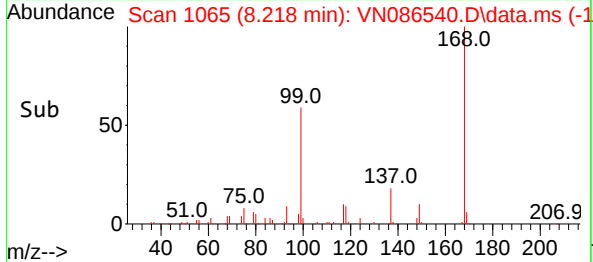
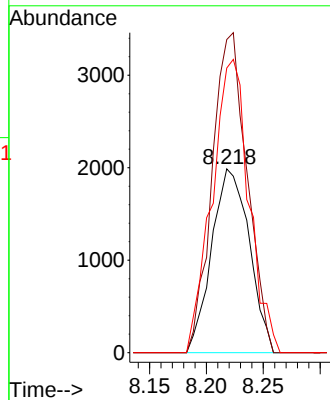
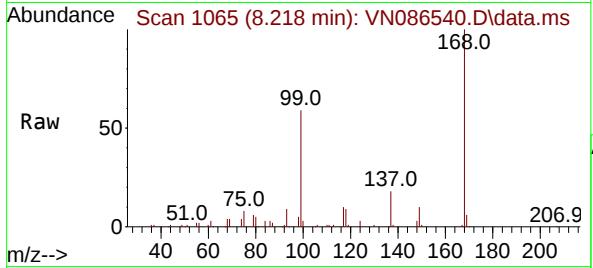




#31
Cyclohexane
Concen: 0.921 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

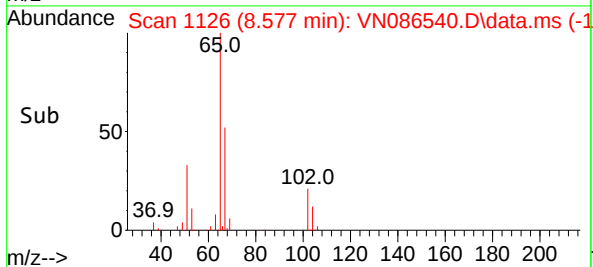
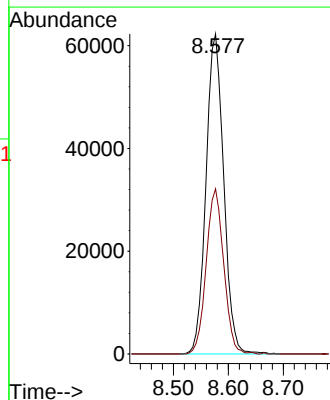
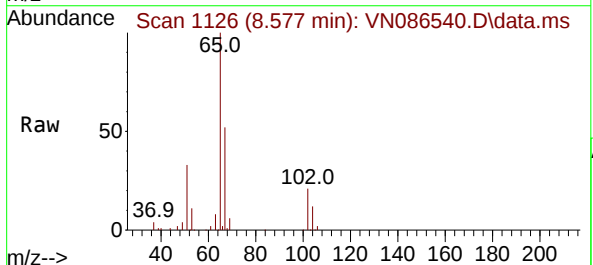
Instrument :
MSVOA_N
ClientSampleId :
VN0508WBL01

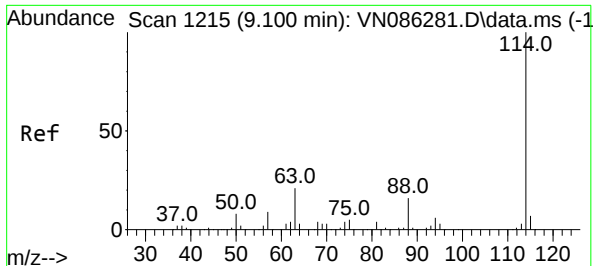
Tgt Ion: 56 Resp: 4567
Ion Ratio Lower Upper
56 100
69 170.4 24.2 36.2#
84 154.9 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 45.539 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

Tgt Ion: 65 Resp: 139305
Ion Ratio Lower Upper
65 100
67 51.0 0.0 106.0

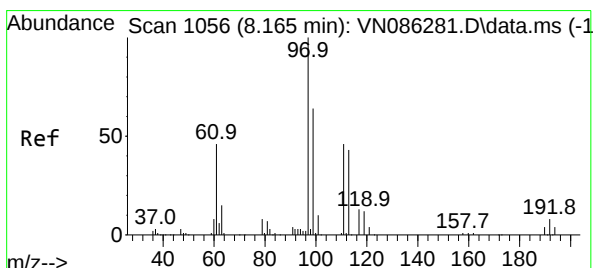
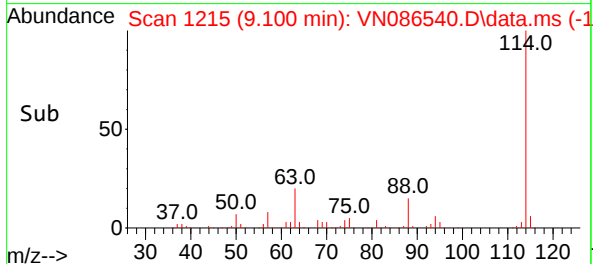
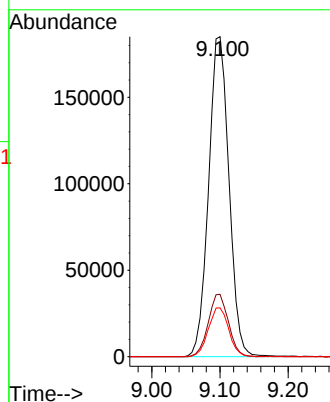
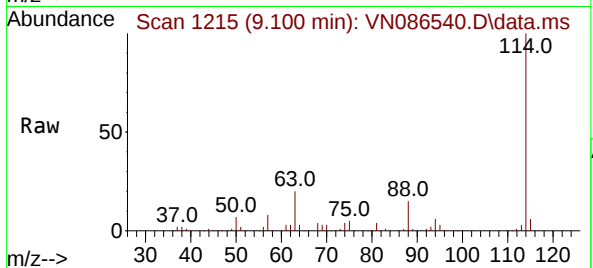




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

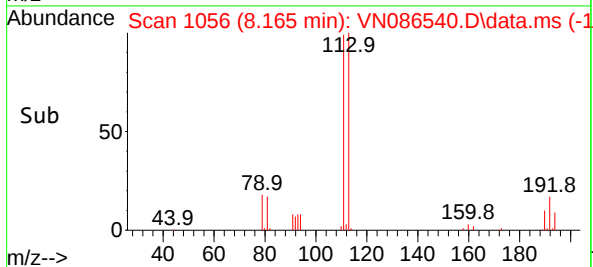
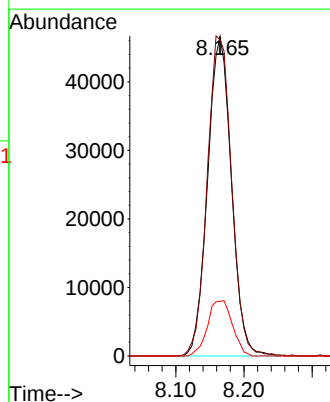
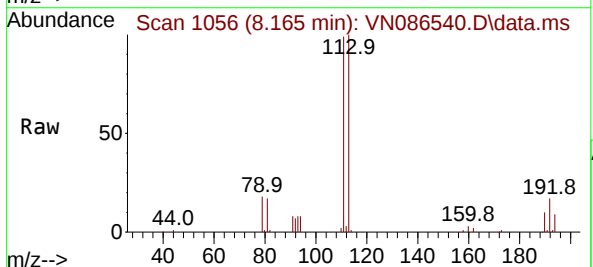
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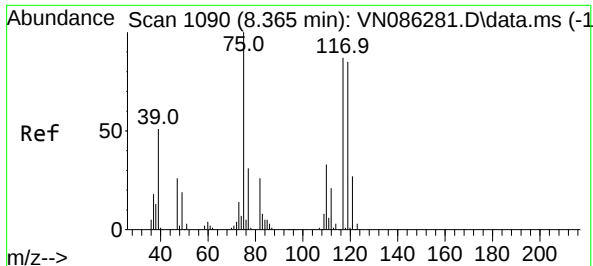
Tgt Ion:114 Resp: 384884
Ion Ratio Lower Upper
114 100
63 19.5 0.0 42.6
88 15.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 63.375 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

Tgt Ion:113 Resp: 113207
Ion Ratio Lower Upper
113 100
111 102.5 83.4 125.0
192 18.1 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.566 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086540.D

Acq: 08 May 2025 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBL01

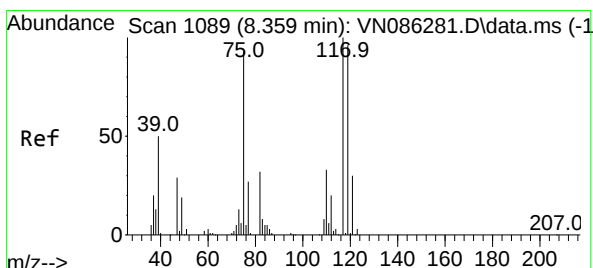
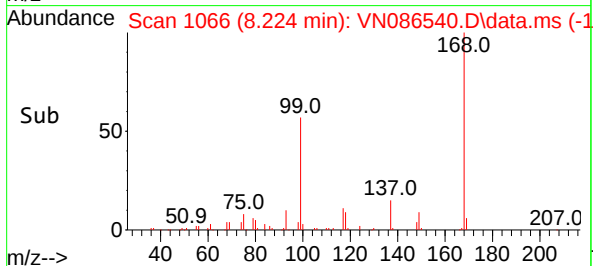
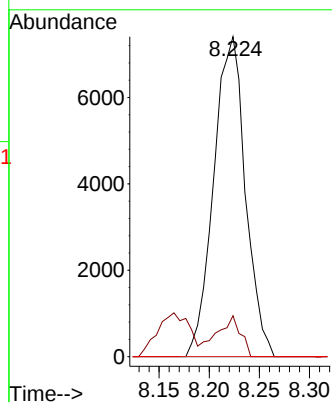
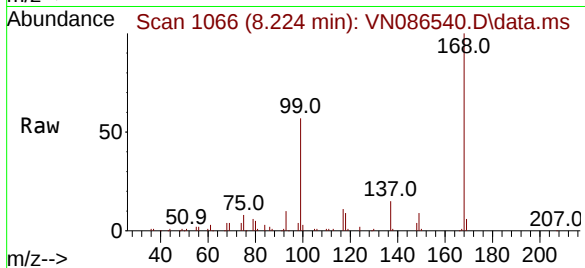
Tgt Ion: 75 Resp: 16289

Ion Ratio Lower Upper

75 100

110 9.0 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.209 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086540.D

Acq: 08 May 2025 12:59

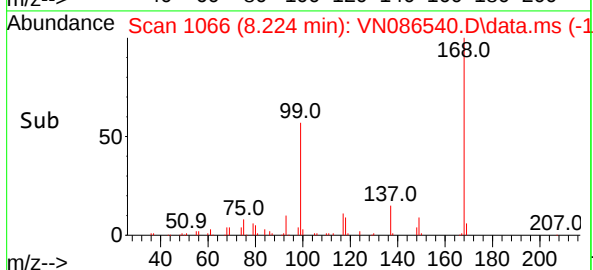
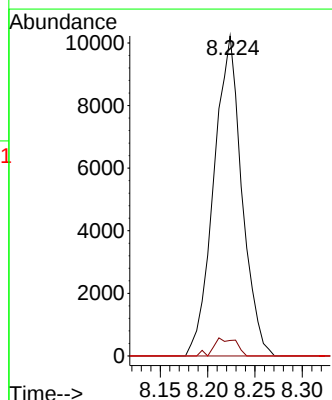
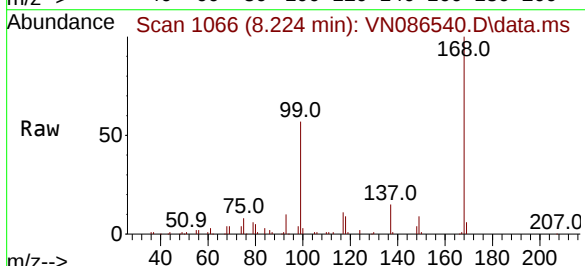
Tgt Ion: 117 Resp: 21097

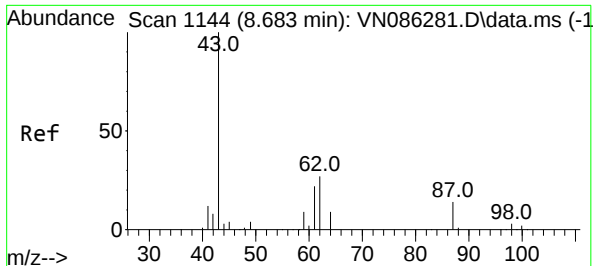
Ion Ratio Lower Upper

117 100

119 4.9 76.8 115.2#

121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.700 min Scan# 1144

Delta R.T. 0.017 min

Lab File: VN086540.D

Acq: 08 May 2025 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBL01

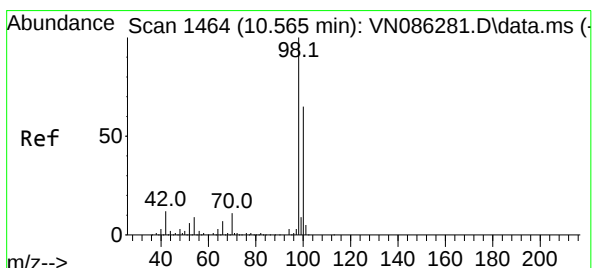
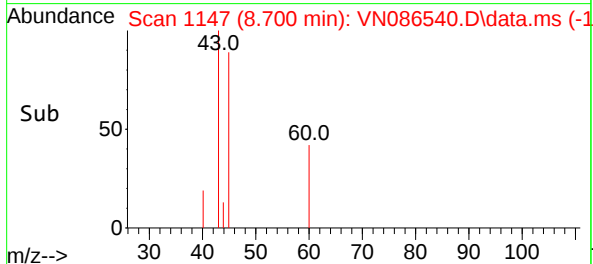
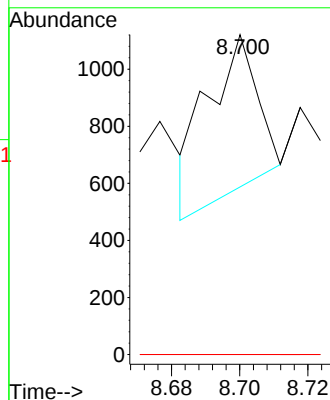
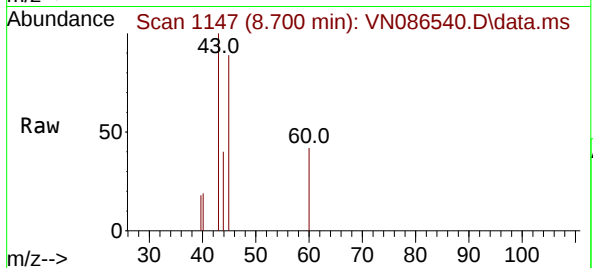
Tgt Ion: 43 Resp: 574

Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

87 0.0 10.5 15.7#



#50

Toluene-d8

Concen: 49.850 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086540.D

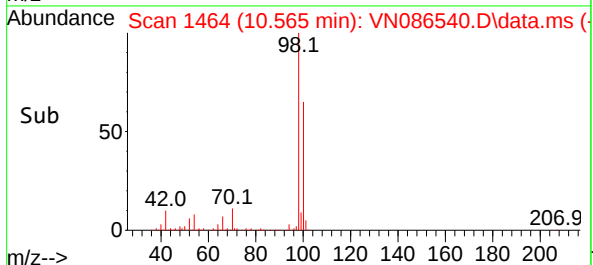
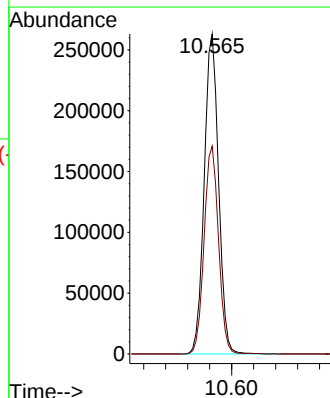
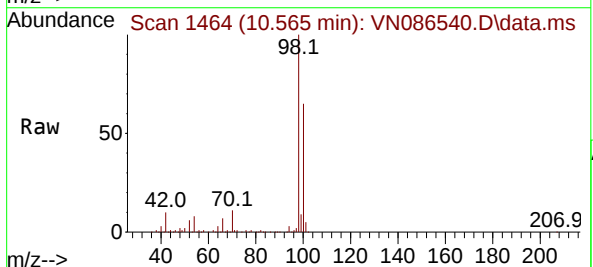
Acq: 08 May 2025 12:59

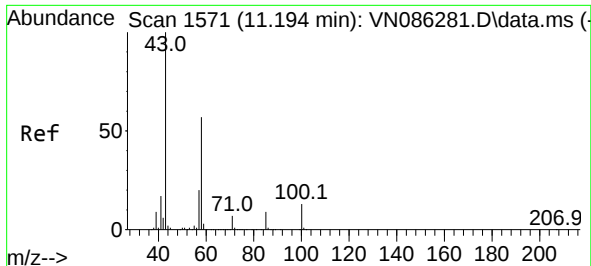
Tgt Ion: 98 Resp: 475909

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7

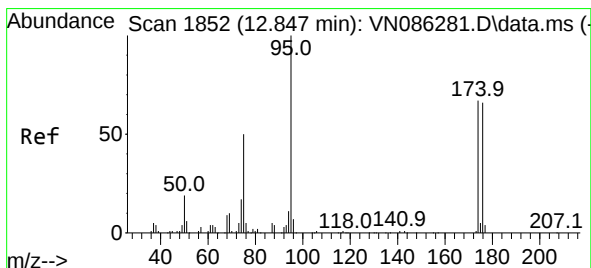
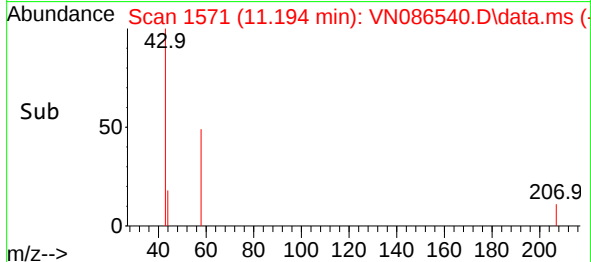
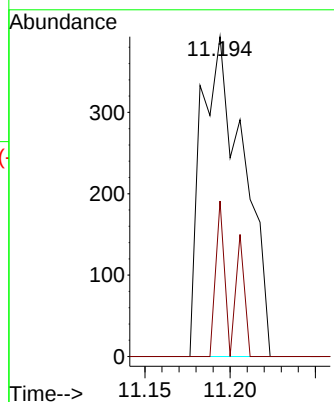
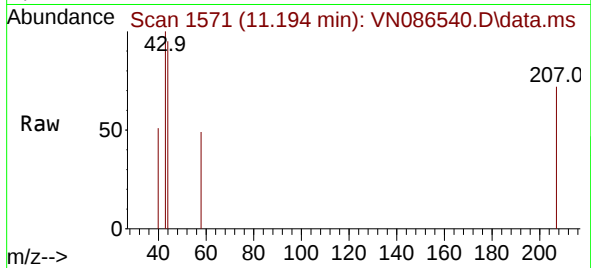




#59
2-Hexanone
Concen: 0.237 ug/l
RT: 11.194 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

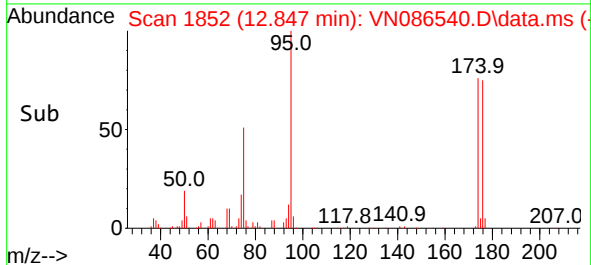
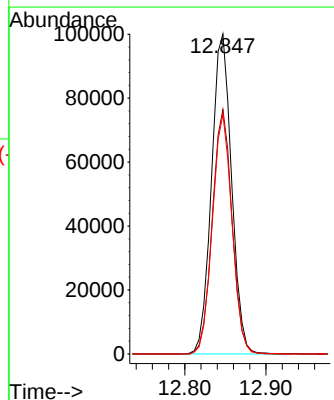
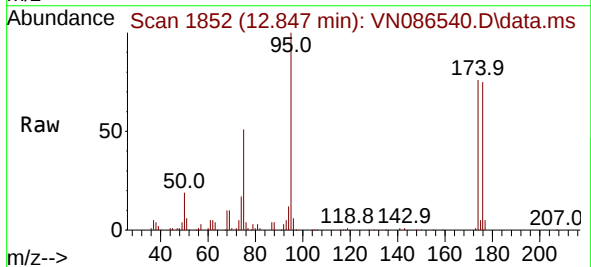
Instrument :
MSVOA_N
ClientSampleId :
VN0508WBL01

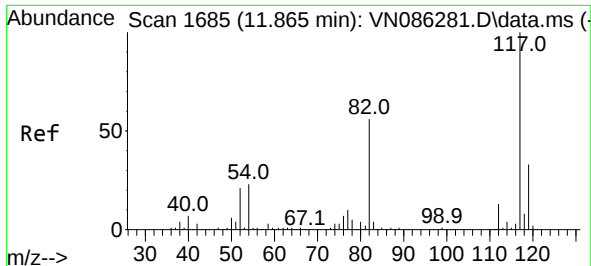
Tgt Ion: 43 Resp: 676
Ion Ratio Lower Upper
43 100
58 17.8 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 49.263 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

Tgt Ion: 95 Resp: 171539
Ion Ratio Lower Upper
95 100
174 75.2 0.0 133.4
176 73.0 0.0 129.2

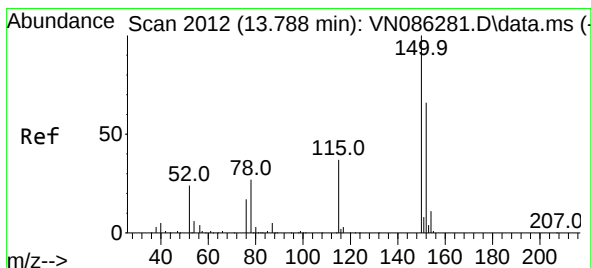
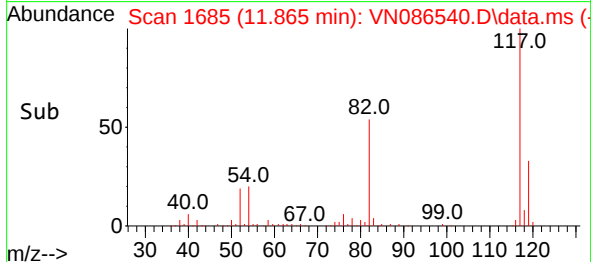
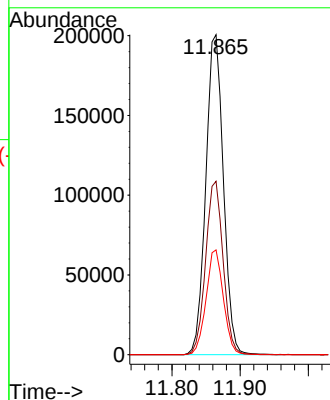
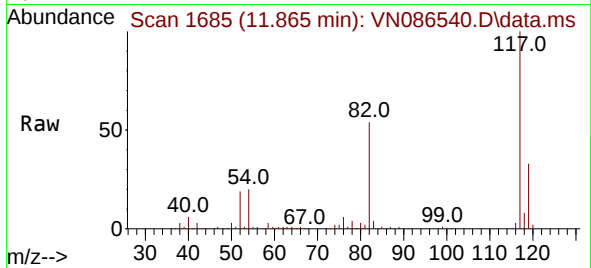




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

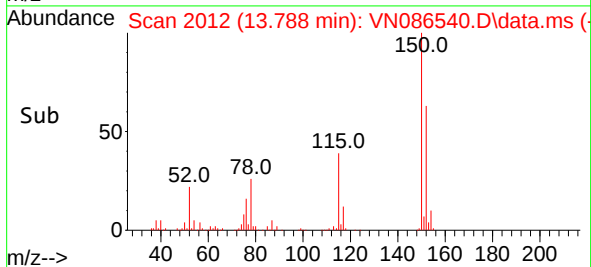
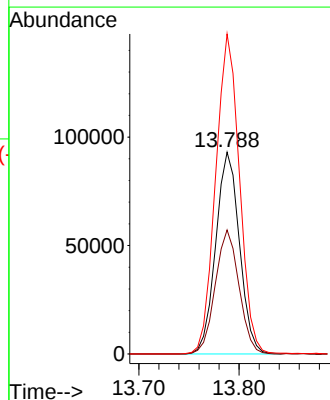
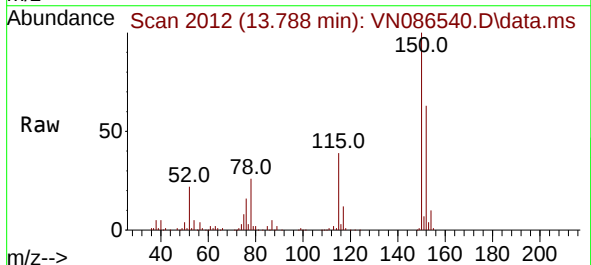
Instrument :
MSVOA_N
ClientSampleId :
VN0508WBL01

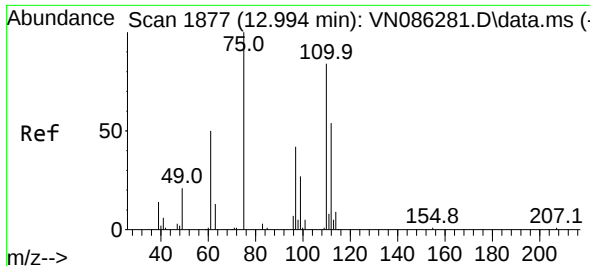
Tgt Ion:117 Resp: 360857
Ion Ratio Lower Upper
117 100
82 54.2 44.7 67.1
119 32.7 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

Tgt Ion:152 Resp: 152874
Ion Ratio Lower Upper
152 100
115 61.4 31.9 95.9
150 159.5 0.0 352.0

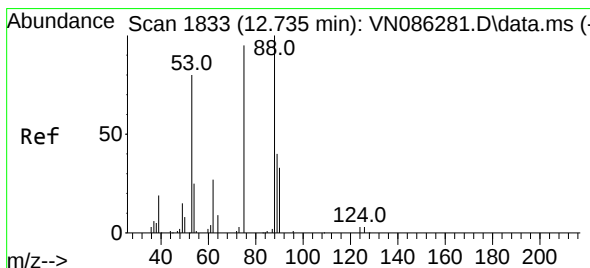
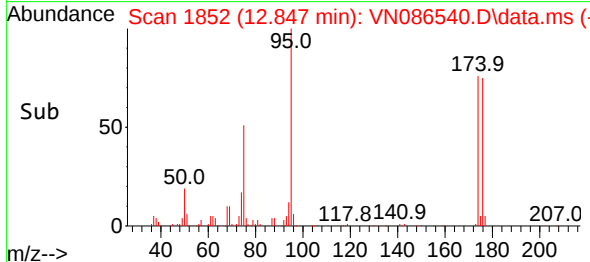
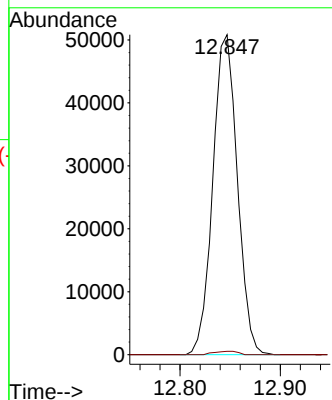
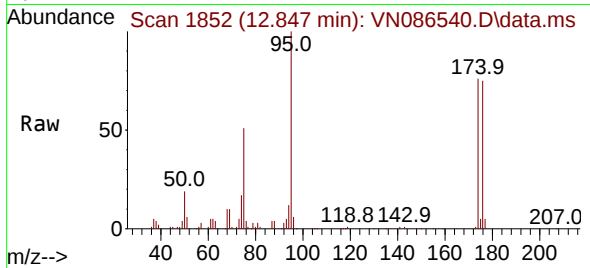




#76
1,2,3-Trichloropropane
Concen: 23.944 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

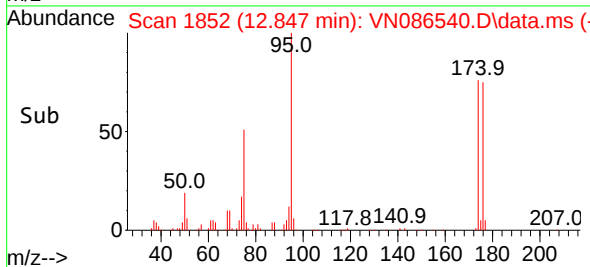
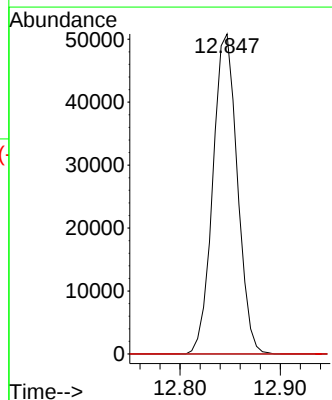
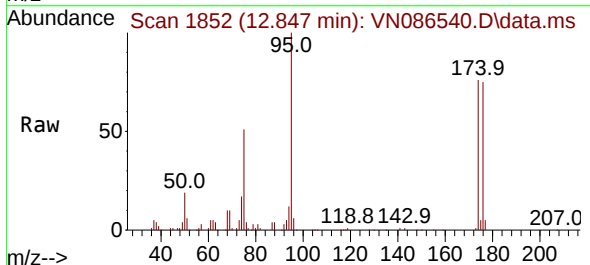
Instrument :
MSVOA_N
ClientSampleId :
VN0508WBL01

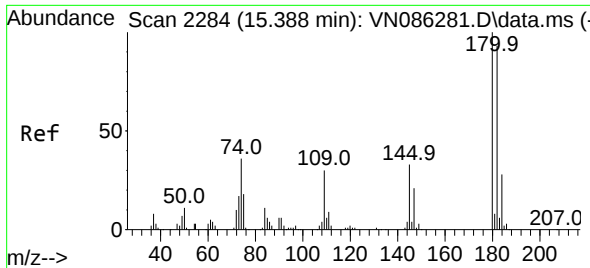
Tgt Ion: 75 Resp: 86381
Ion Ratio Lower Upper
75 100
77 1.0 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.505 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

Tgt Ion: 75 Resp: 86381
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

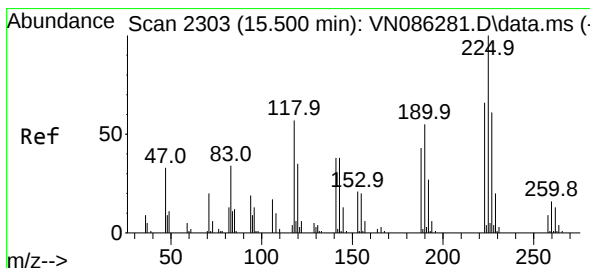
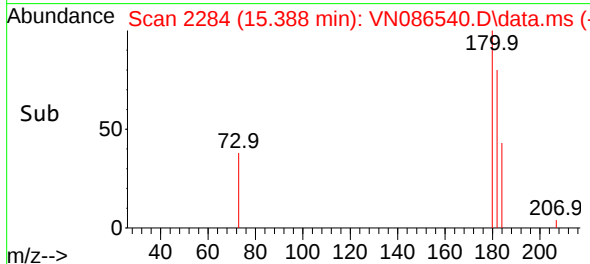
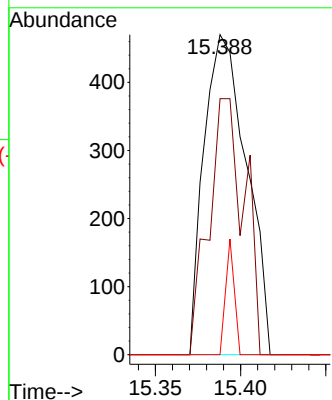
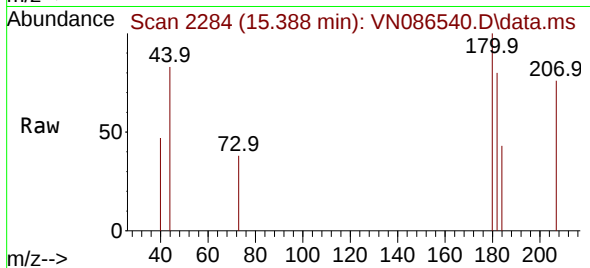




#93
 1,2,4-Trichlorobenzene
 Concen: 0.338 ug/l
 RT: 15.388 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN086540.D
 Acq: 08 May 2025 12:59

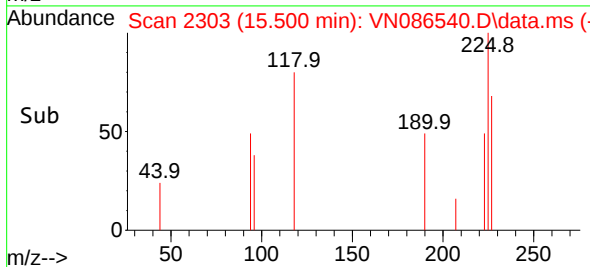
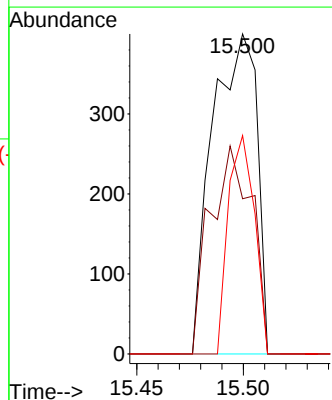
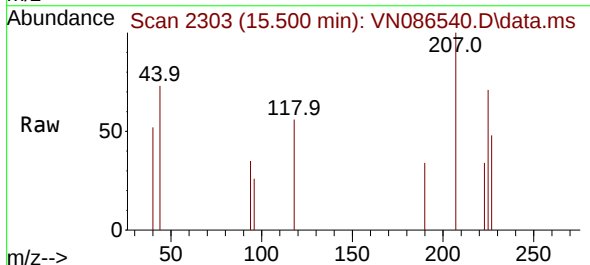
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBL01

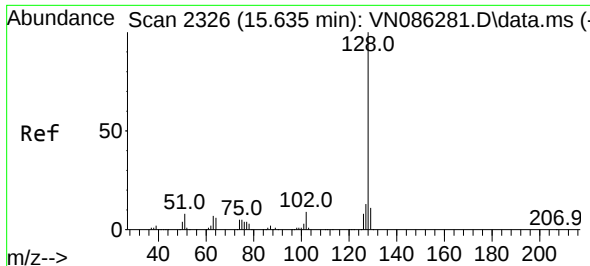
Tgt Ion:180 Resp: 817
 Ion Ratio Lower Upper
 180 100
 182 67.3 47.0 141.0
 145 7.3 16.4 49.1#



#94
 Hexachlorobutadiene
 Concen: 0.636 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. -0.000 min
 Lab File: VN086540.D
 Acq: 08 May 2025 12:59

Tgt Ion:225 Resp: 581
 Ion Ratio Lower Upper
 225 100
 223 60.9 32.8 98.3
 227 40.4 31.4 94.0

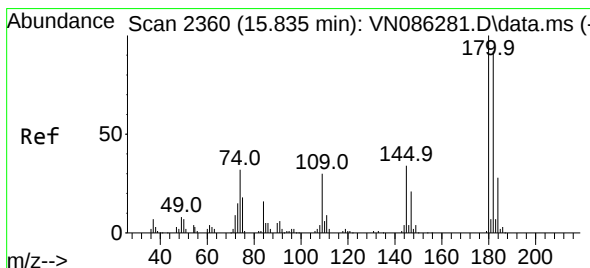
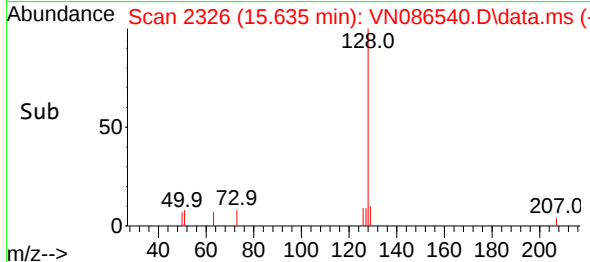
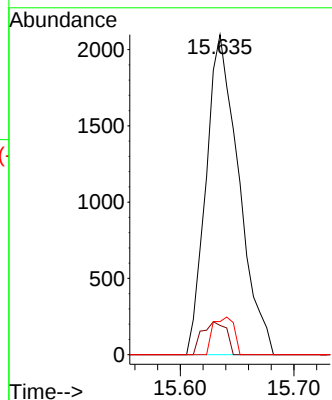
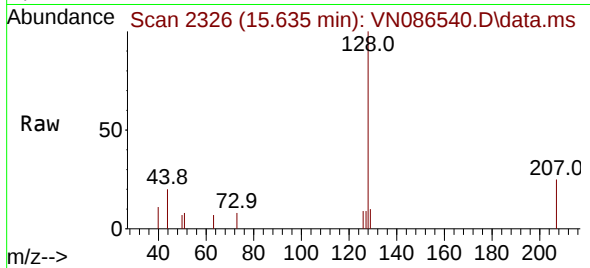




#95
Naphthalene
Concen: 0.490 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBL01

Tgt Ion:128 Resp: 4197
Ion Ratio Lower Upper
128 100
127 7.6 10.2 15.4#
129 7.5 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.295 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086540.D
Acq: 08 May 2025 12:59

Tgt Ion:180 Resp: 676
Ion Ratio Lower Upper
180 100
182 104.1 47.3 142.0
145 16.4 17.2 51.5#

