

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041825\
 Data File : VN086332.D
 Acq On : 18 Apr 2025 09:45
 Operator : JC\MD
 Sample : VN0418MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418MBL01

Quant Time: Apr 19 02:19:39 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)

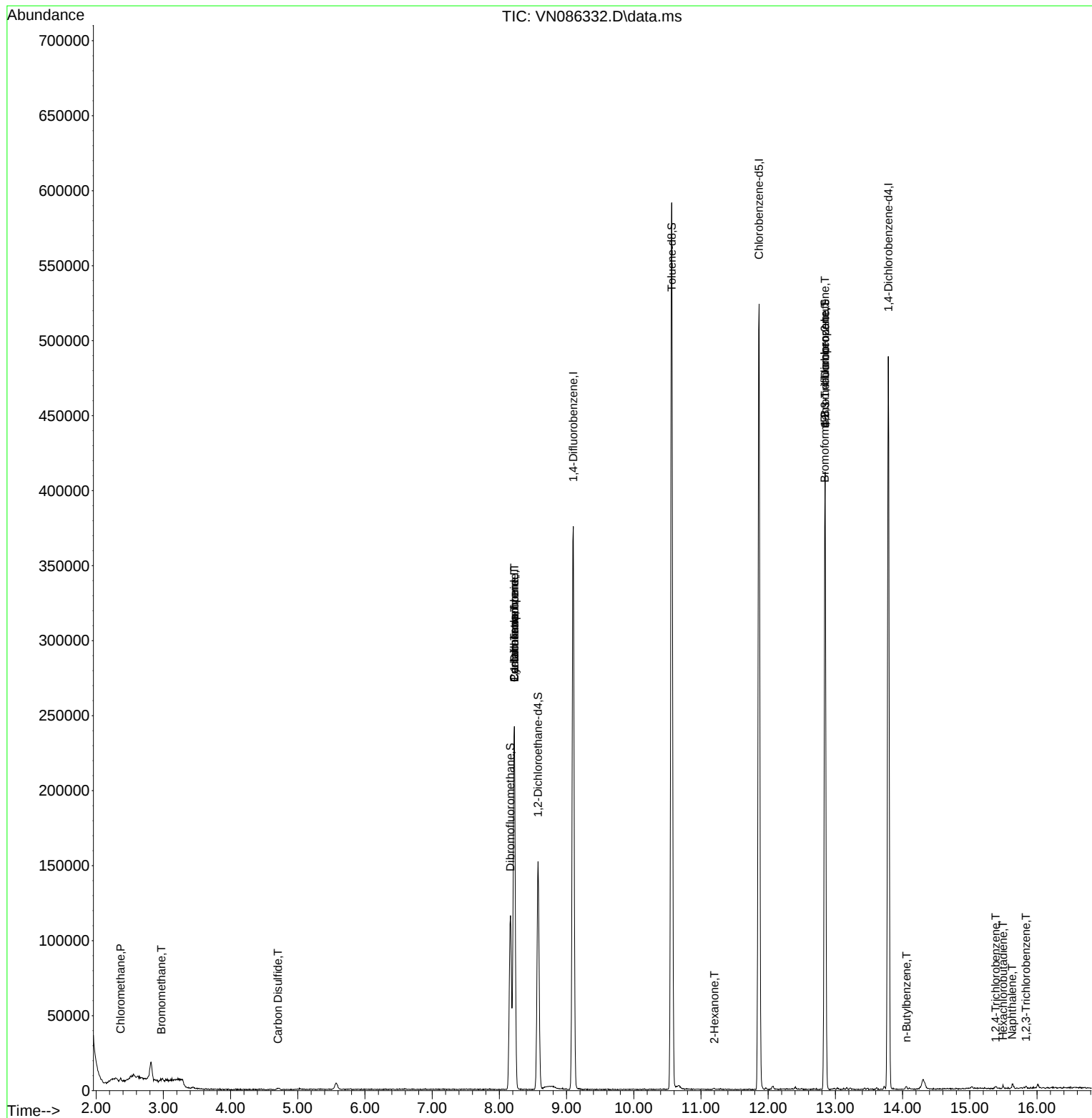
Internal Standards						
1) Pentafluorobenzene	8.224	168	176423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	335476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	304612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	125112	48.905	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.800%		
35) Dibromofluoromethane	8.165	113	87012	55.885	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	111.760%		
50) Toluene-d8	10.565	98	417423	50.163	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.320%		
62) 4-Bromofluorobenzene	12.847	95	152358	50.198	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.400%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1425	0.469	ug/l	95
5) Bromomethane	2.971	94	602	0.461	ug/l	92
13) Acrolein	4.177	56	61	Below Cal	#	1
16) Acetone	4.436	43	576	Below Cal	#	43
17) Carbon Disulfide	4.706	76	2220	0.357	ug/l #	74
31) Cyclohexane	8.224	56	4352	1.050	ug/l #	10
36) 1,1-Dichloropropene	8.224	75	14788	4.755	ug/l #	50
38) Carbon Tetrachloride	8.224	117	18557	6.266	ug/l #	15
43) Isopropyl Acetate	8.688	43	1777	Below Cal	#	55
59) 2-Hexanone	11.200	43	722	0.290	ug/l #	36
71) Bromoform	12.841	173	708	0.419	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	75297	23.745	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75297	57.027	ug/l #	10
89) n-Butylbenzene	14.058	91	1601	0.203	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	717	0.337	ug/l #	84
94) Hexachlorobutadiene	15.494	225	596	0.743	ug/l	77
95) Naphthalene	15.629	128	3754	0.498	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.835	180	773	0.384	ug/l #	82

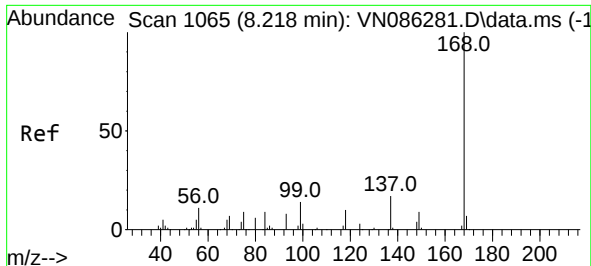
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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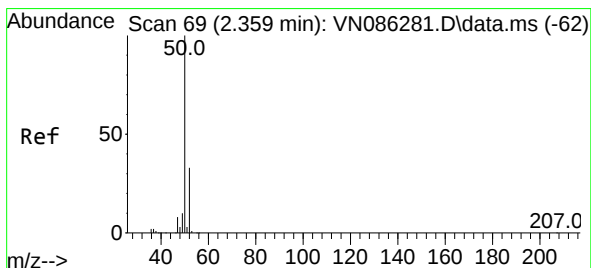
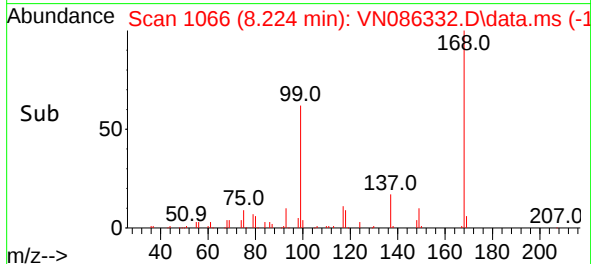
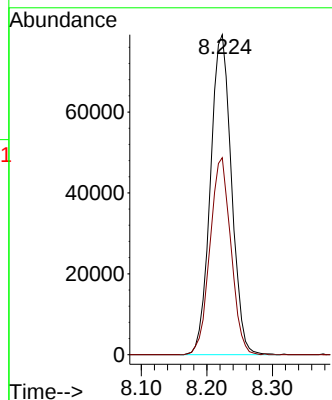
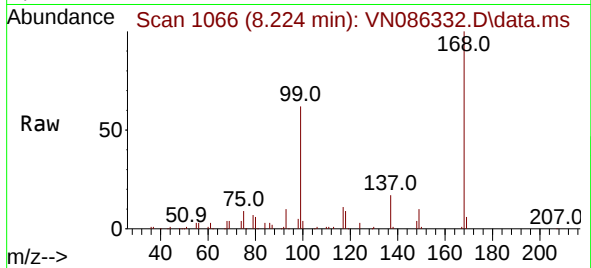




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

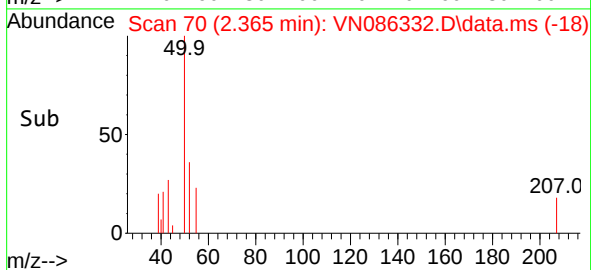
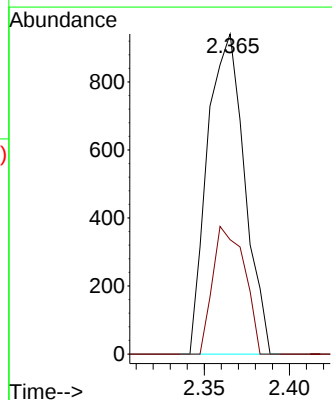
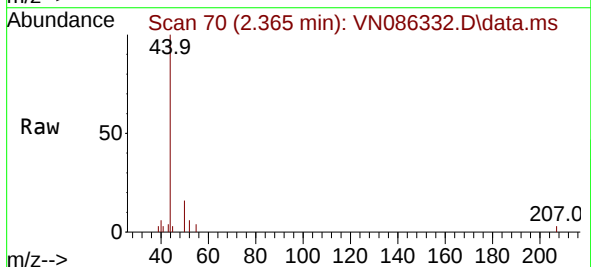
Instrument :
MSVOA_N
ClientSampleId :
VN0418MBL01

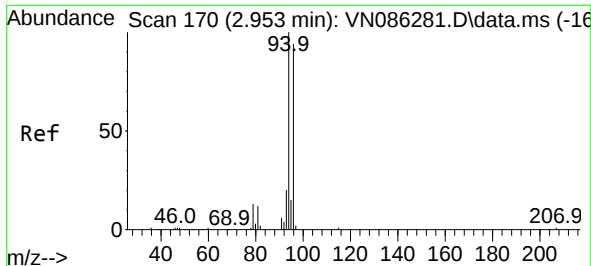
Tgt Ion:168 Resp: 176423
Ion Ratio Lower Upper
168 100
99 61.6 52.5 78.7



#3
Chloromethane
Concen: 0.469 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

Tgt Ion: 50 Resp: 1425
Ion Ratio Lower Upper
50 100
52 35.7 26.5 39.7

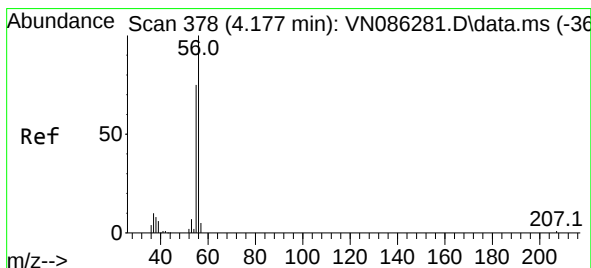
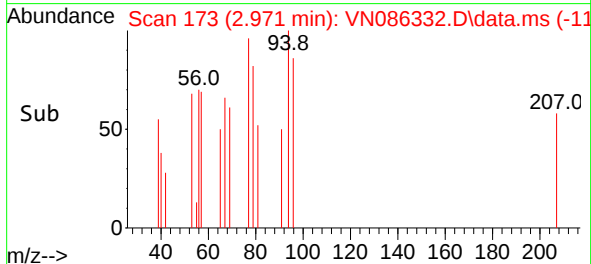
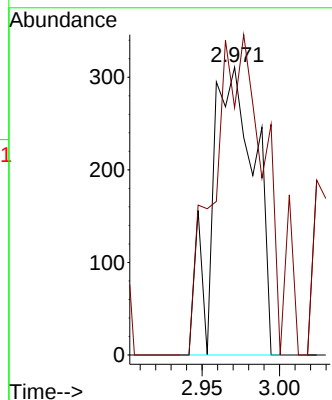
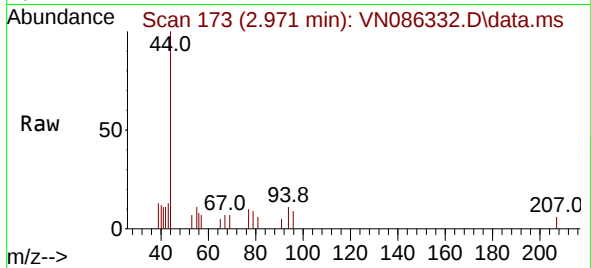




#5
Bromomethane
Concen: 0.461 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

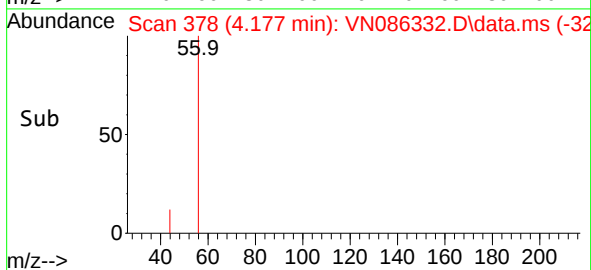
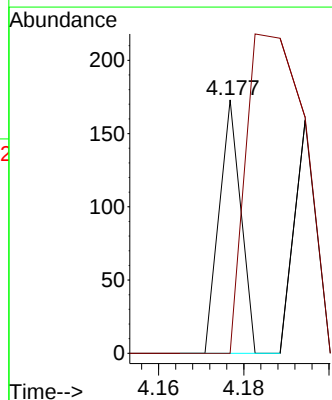
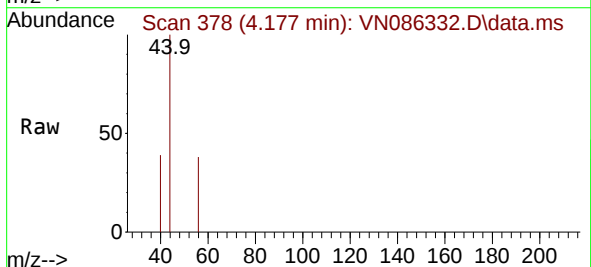
Instrument :
MSVOA_N
ClientSampleId :
VN0418MBL01

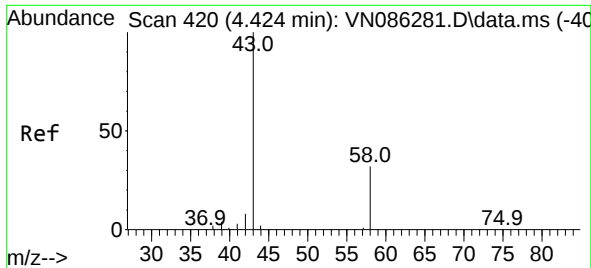
Tgt Ion: 94 Resp: 602
Ion Ratio Lower Upper
94 100
96 85.9 75.2 112.8



#13
Acrolein
Concen: Below Cal
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 344.3 58.5 87.7#

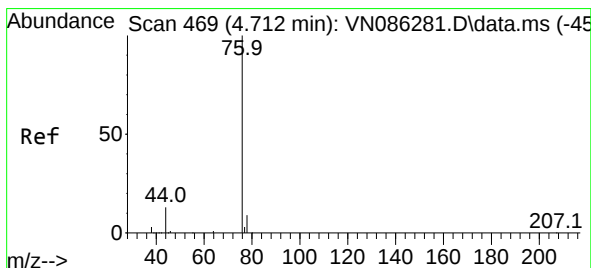
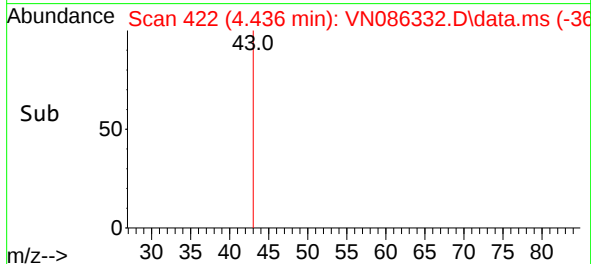
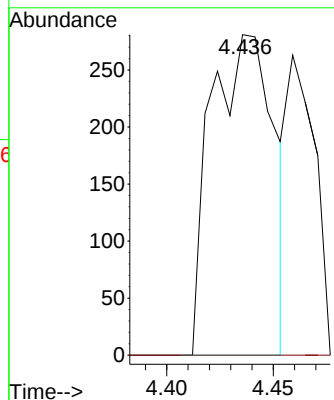
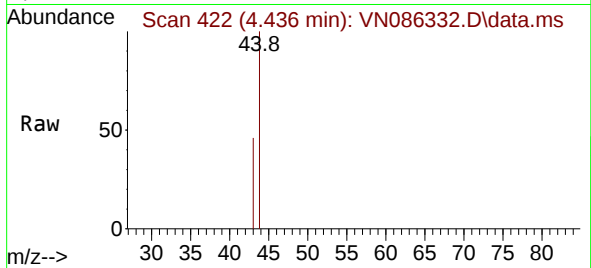




#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

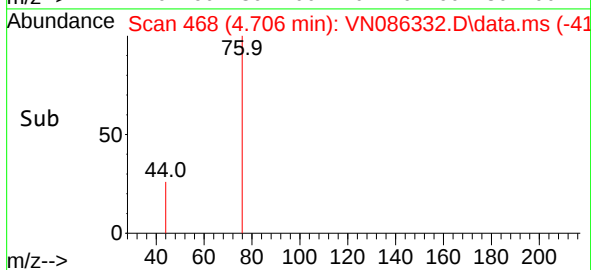
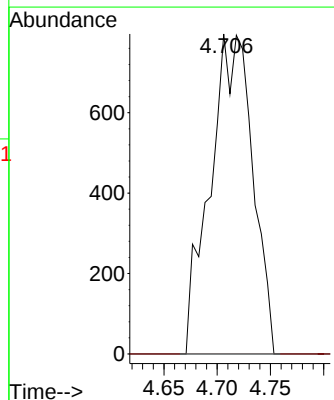
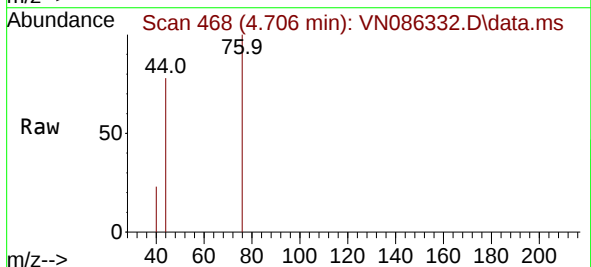
Instrument :
MSVOA_N
ClientSampleId :
VN0418MBL01

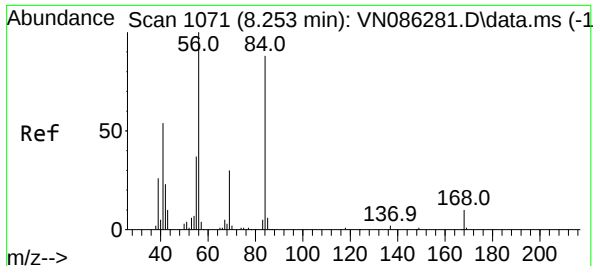
Tgt Ion: 43 Resp: 576
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



#17
Carbon Disulfide
Concen: 0.357 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

Tgt Ion: 76 Resp: 2220
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#

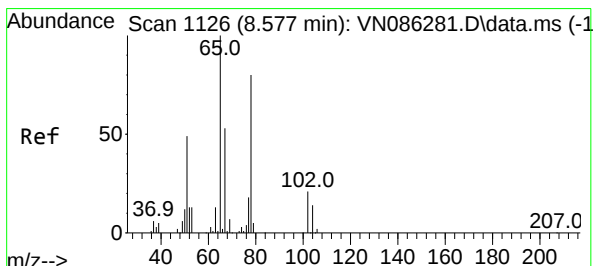
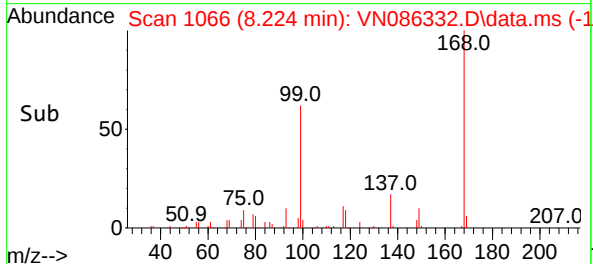
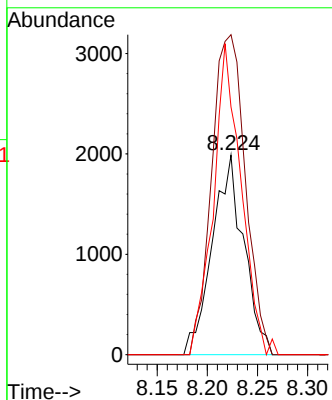
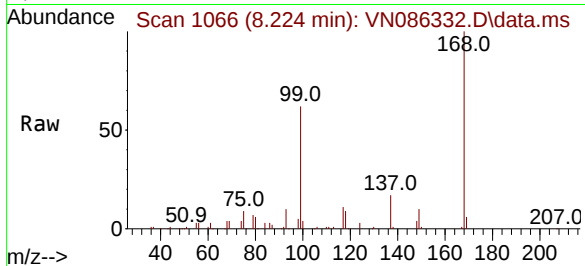




#31
Cyclohexane
Concen: 1.050 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

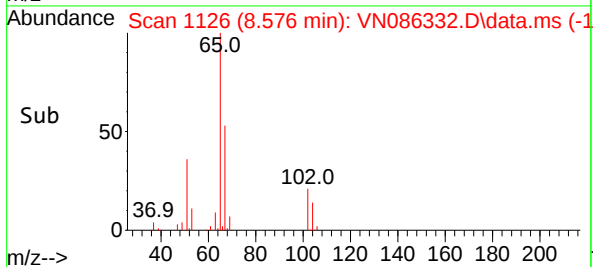
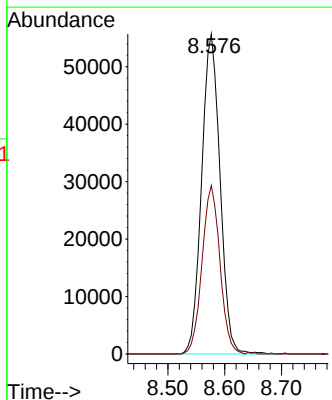
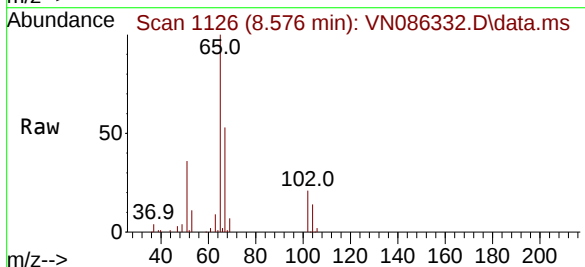
Instrument :
MSVOA_N
ClientSampleId :
VN0418MBL01

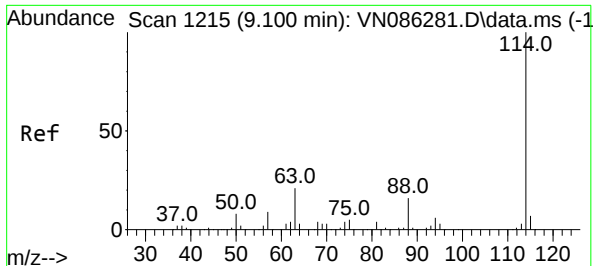
Tgt Ion: 56 Resp: 4352
Ion Ratio Lower Upper
56 100
69 160.4 24.2 36.2#
84 124.1 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 48.905 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

Tgt Ion: 65 Resp: 125112
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.0

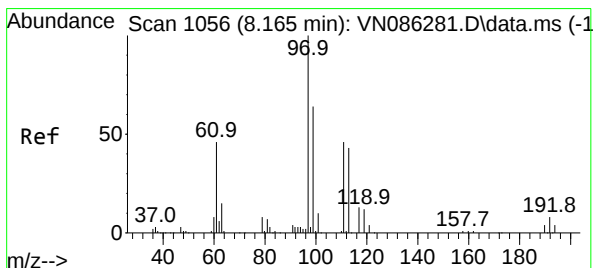
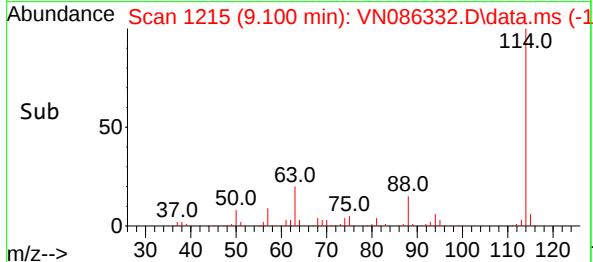
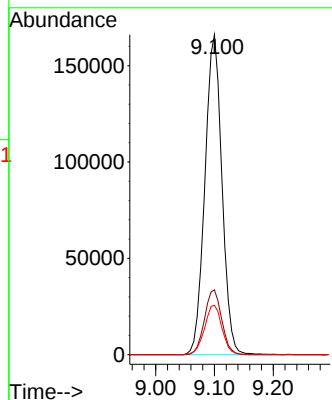
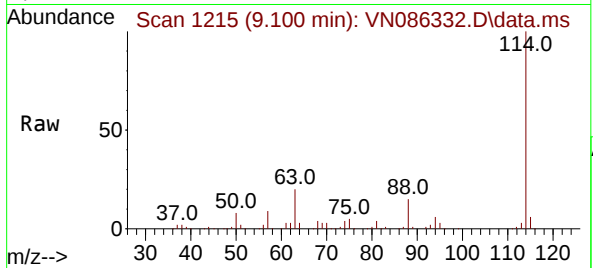




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

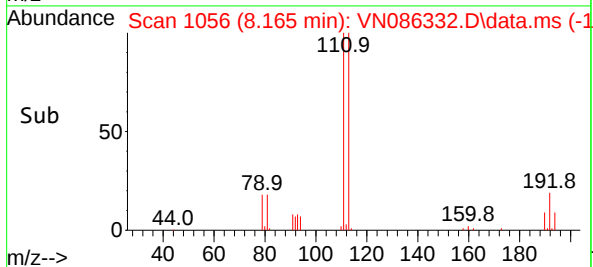
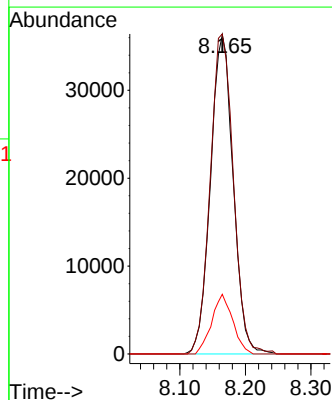
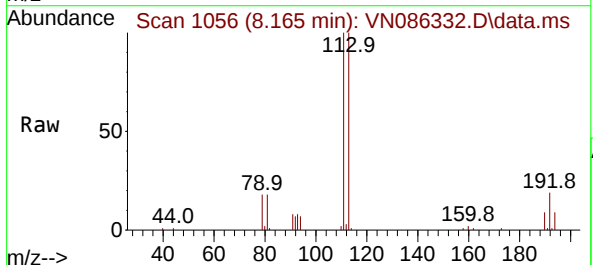
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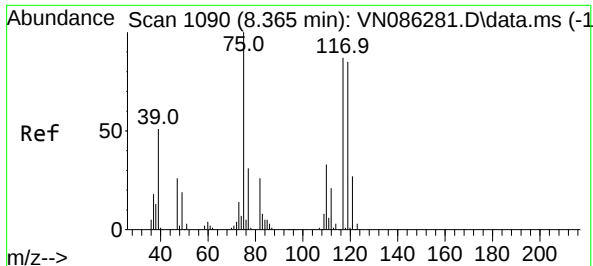
Tgt Ion:114 Resp: 335476
Ion Ratio Lower Upper
114 100
63 20.3 0.0 42.6
88 15.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 55.885 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

Tgt Ion:113 Resp: 87012
Ion Ratio Lower Upper
113 100
111 102.5 83.4 125.0
192 17.4 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.755 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086332.D

Acq: 18 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VN0418MBL01

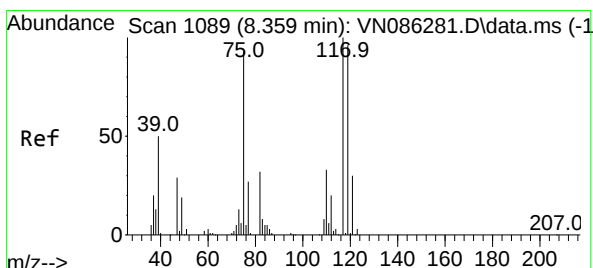
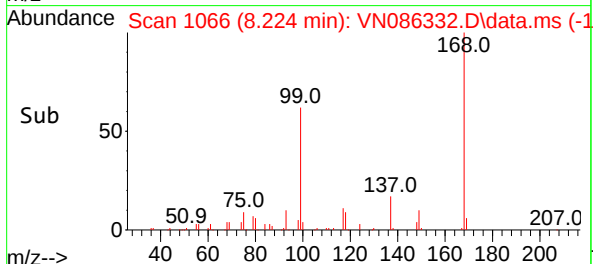
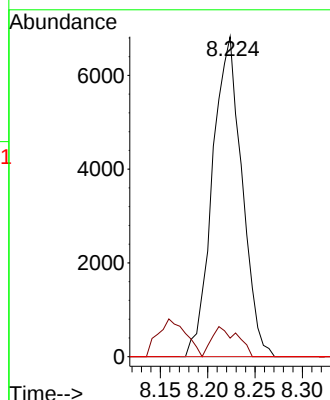
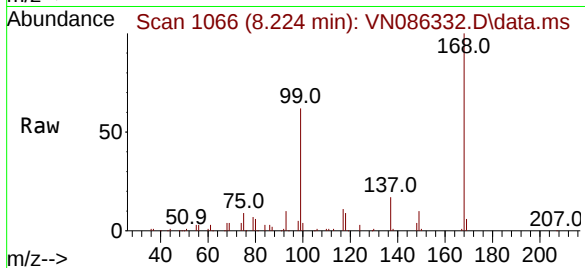
Tgt Ion: 75 Resp: 14788

Ion Ratio Lower Upper

75 100

110 8.1 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.266 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086332.D

Acq: 18 Apr 2025 09:45

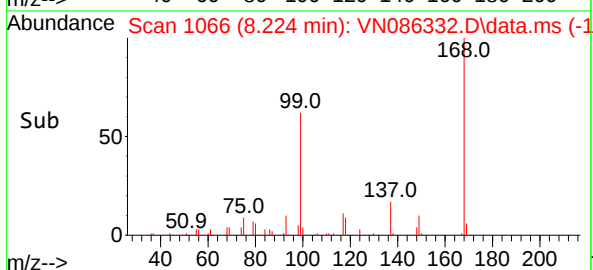
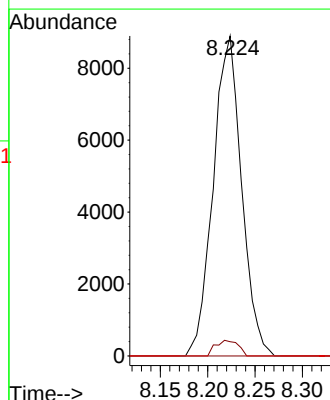
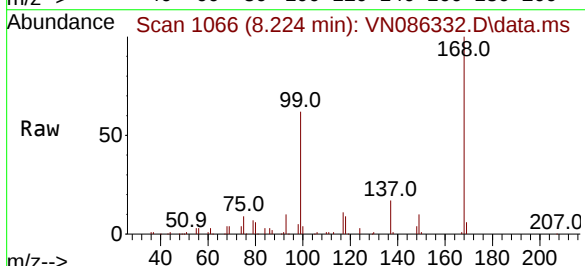
Tgt Ion: 117 Resp: 18557

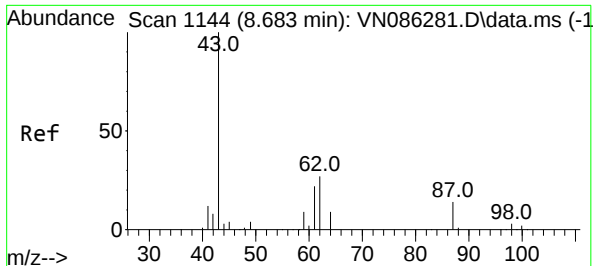
Ion Ratio Lower Upper

117 100

119 4.4 76.8 115.2#

121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.688 min Scan# 1144

Delta R.T. 0.005 min

Lab File: VN086332.D

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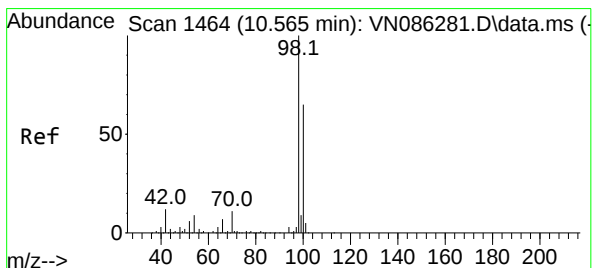
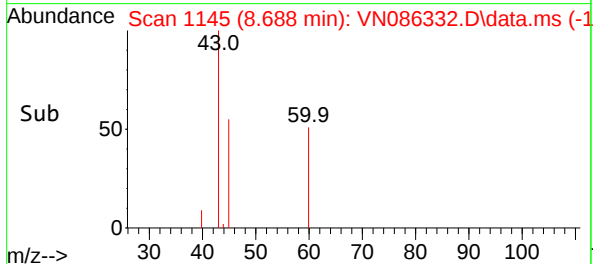
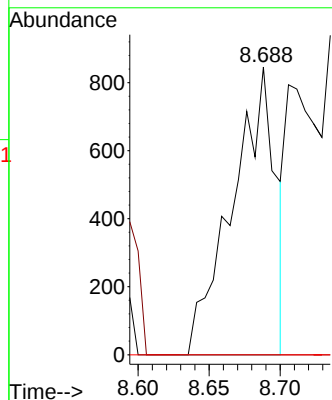
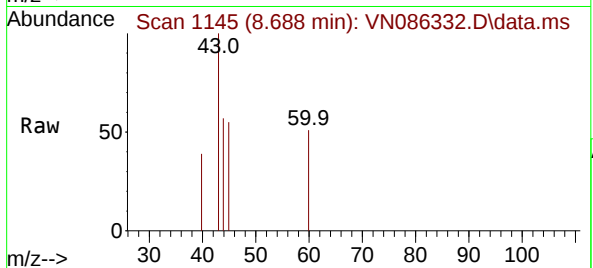
Tgt Ion: 43 Resp: 1777

Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

87 0.0 10.5 15.7#



#50

Toluene-d8

Concen: 50.163 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086332.D

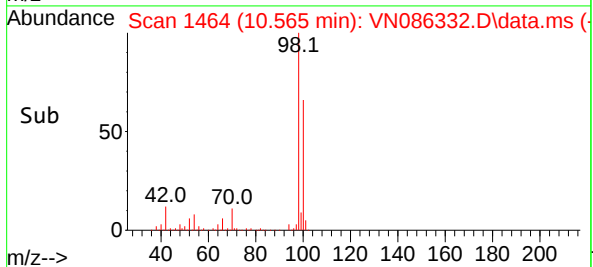
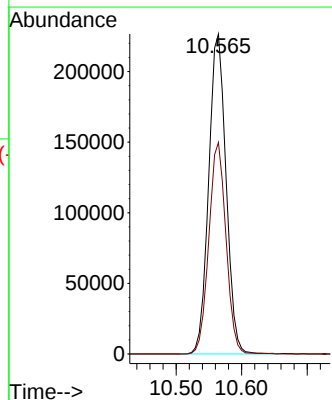
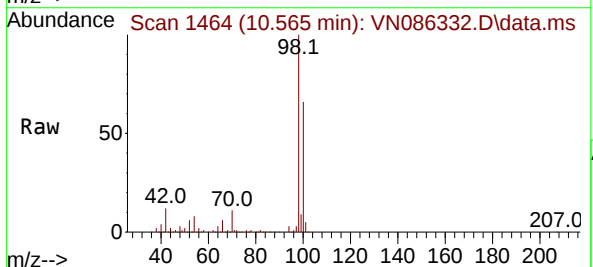
Acq: 18 Apr 2025 09:45

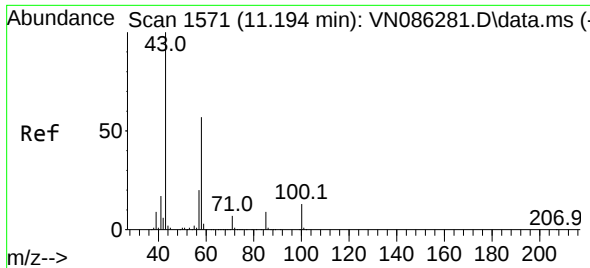
Tgt Ion: 98 Resp: 417423

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7

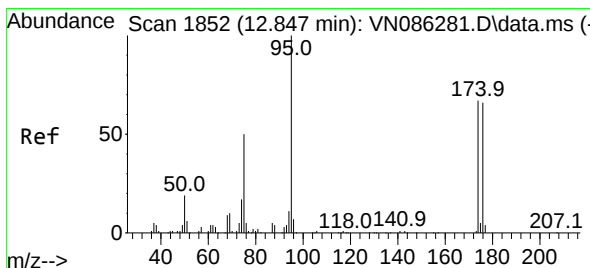
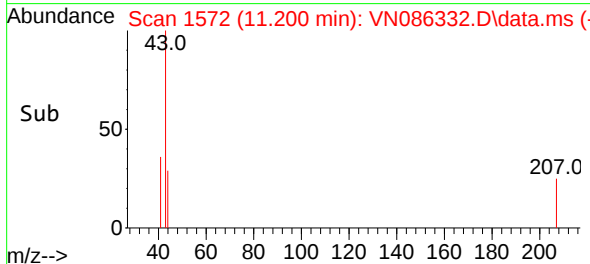
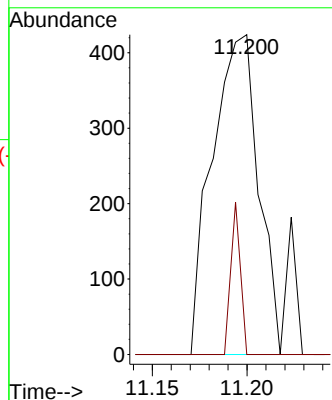
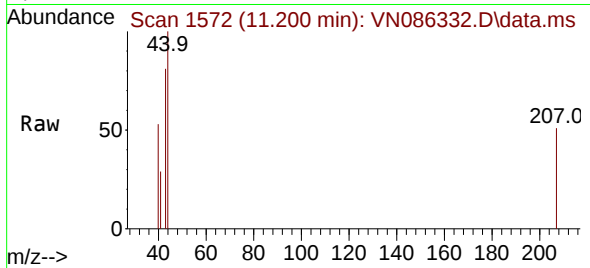




#59
2-Hexanone
Concen: 0.290 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

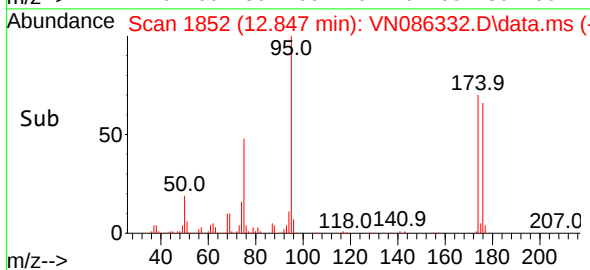
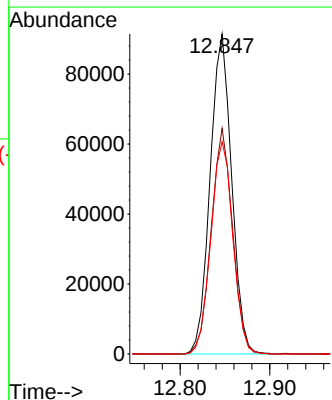
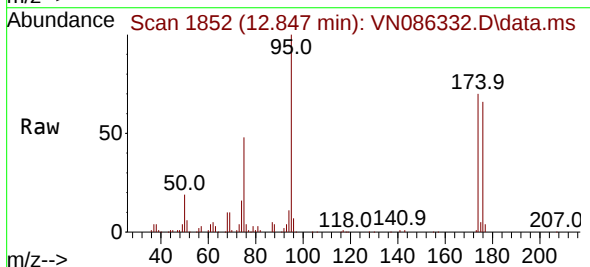
Instrument :
MSVOA_N
ClientSampleId :
VN0418MBL01

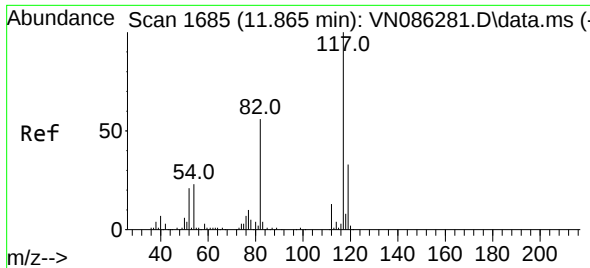
Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
58 9.8 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 50.198 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

Tgt Ion: 95 Resp: 152358
Ion Ratio Lower Upper
95 100
174 69.8 0.0 133.4
176 67.8 0.0 129.2

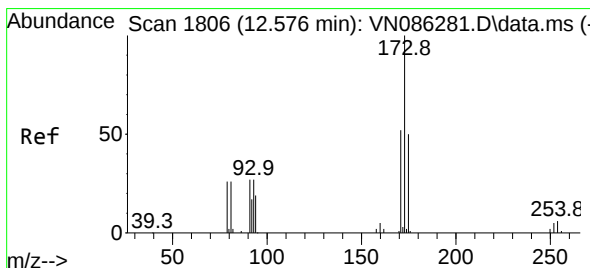
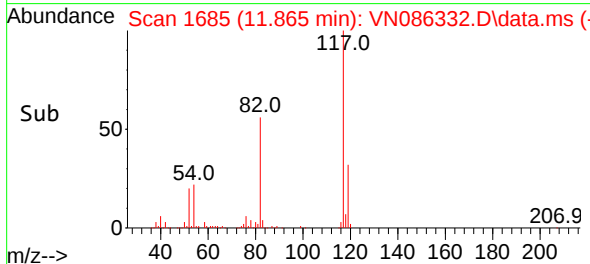
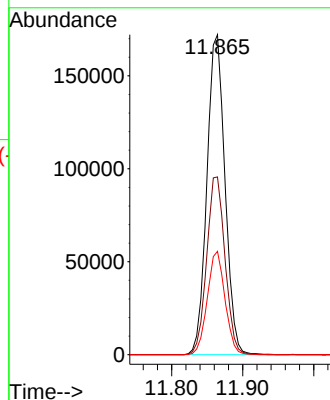
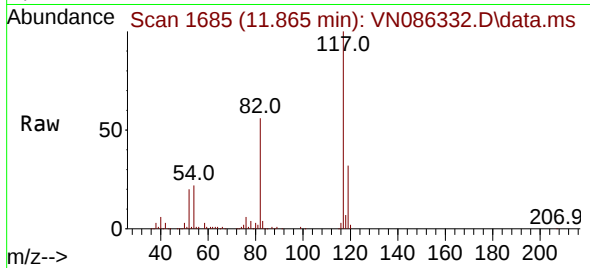




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

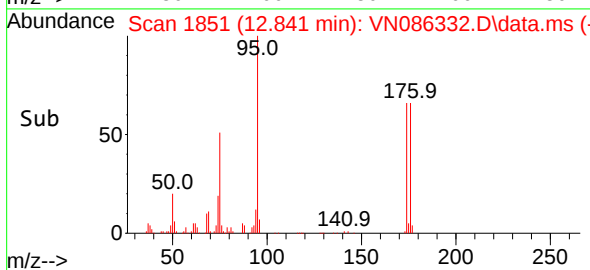
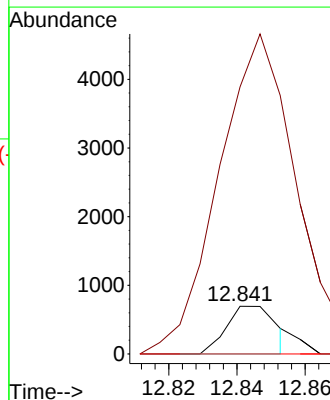
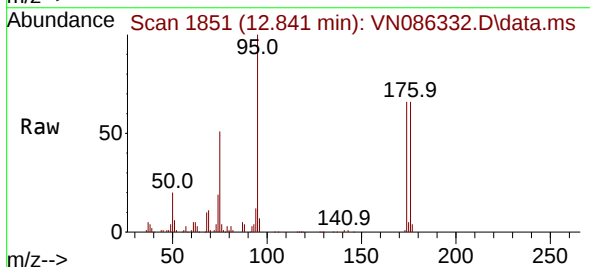
Instrument :
MSVOA_N
ClientSampleId :
VN0418MBL01

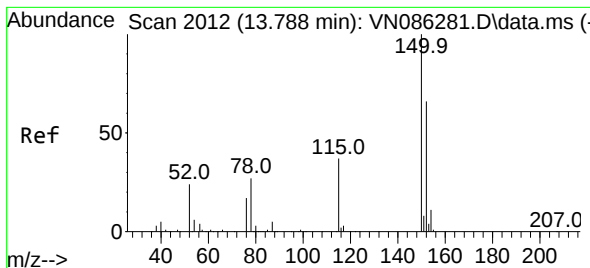
Tgt Ion:117 Resp: 304612
Ion Ratio Lower Upper
117 100
82 55.6 44.7 67.1
119 32.3 26.4 39.6



#71
Bromoform
Concen: 0.419 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

Tgt Ion:173 Resp: 708
Ion Ratio Lower Upper
173 100
175 846.5 24.6 73.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086332.D

Acq: 18 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VN0418MBL01

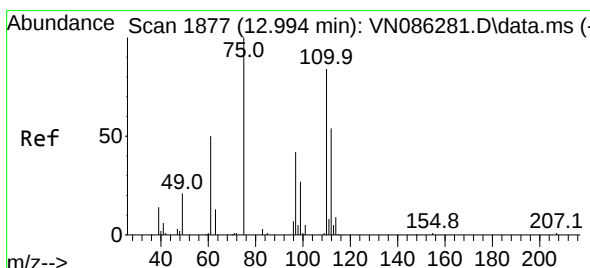
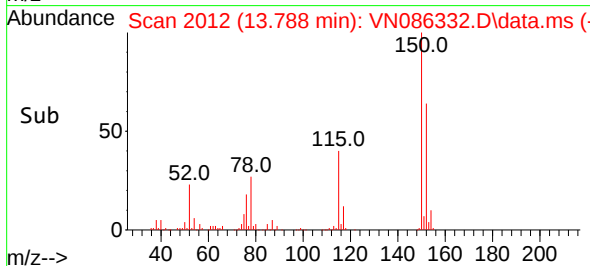
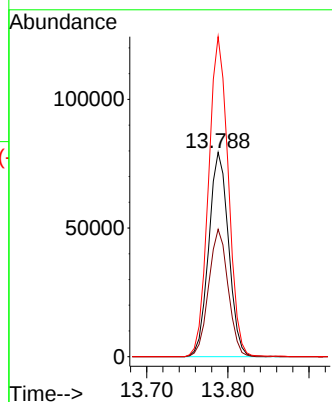
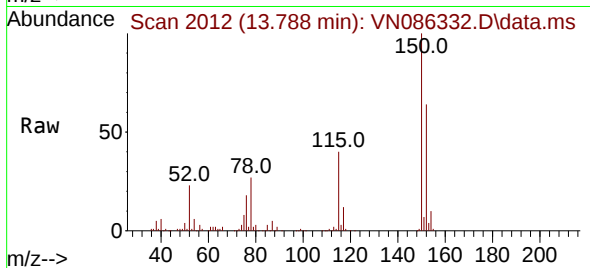
Tgt Ion:152 Resp: 134375

Ion Ratio Lower Upper

152 100

115 61.2 31.9 95.9

150 156.2 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 23.745 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086332.D

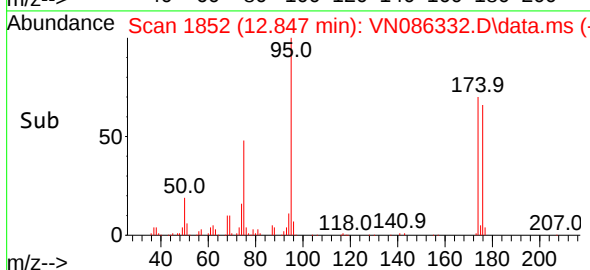
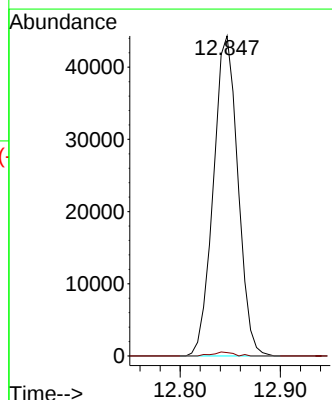
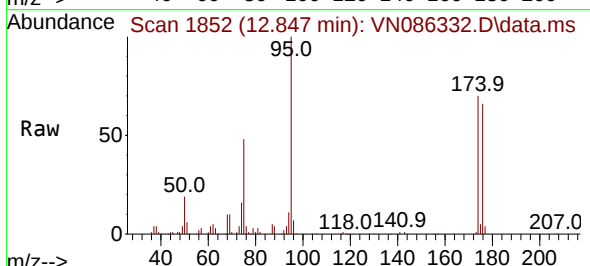
Acq: 18 Apr 2025 09:45

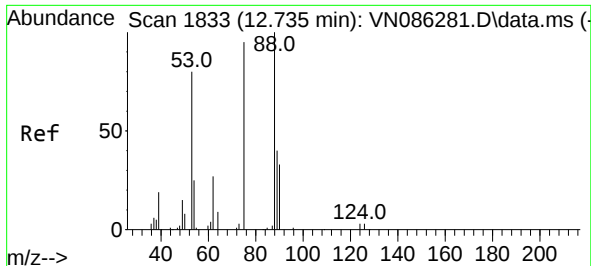
Tgt Ion: 75 Resp: 75297

Ion Ratio Lower Upper

75 100

77 1.0 98.8 296.4#

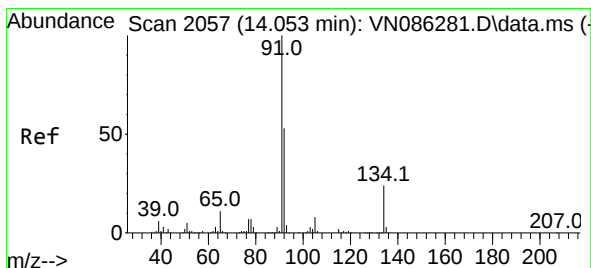
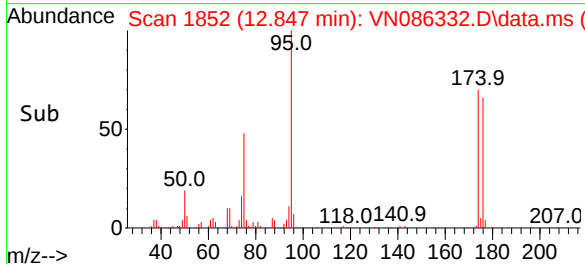
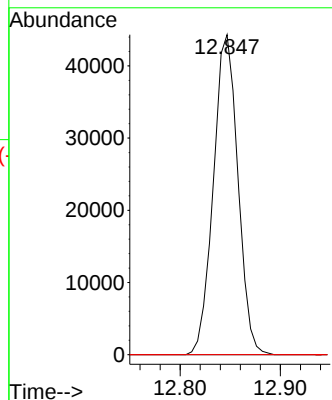
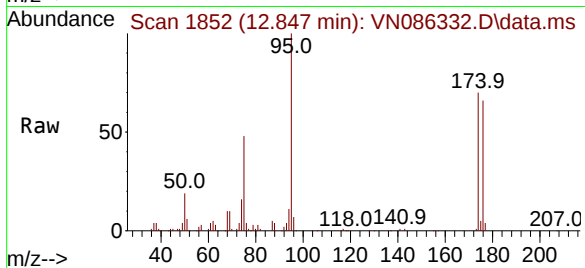




#81
trans-1,4-Dichloro-2-butene
Concen: 57.027 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

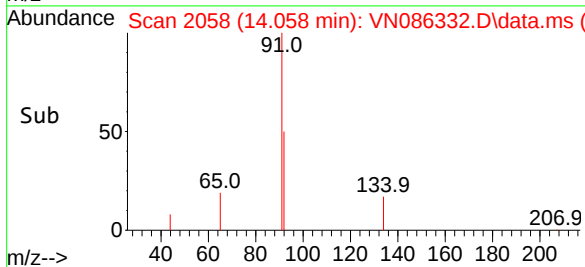
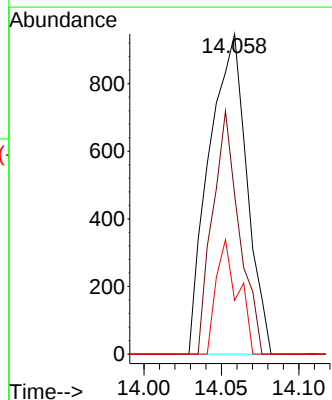
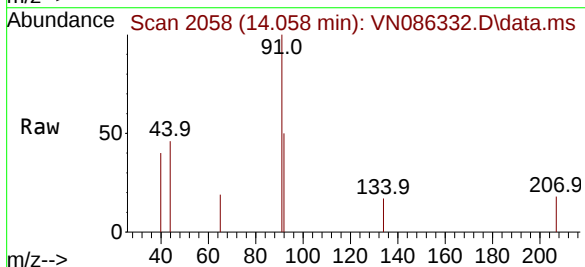
Instrument :
MSVOA_N
ClientSampleId :
VN0418MBL01

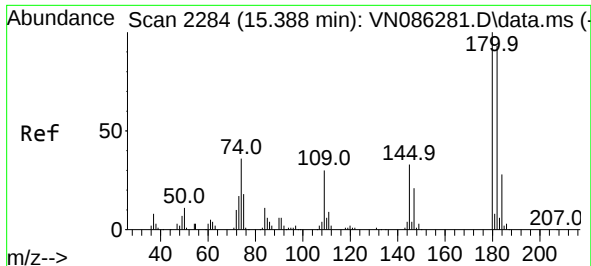
Tgt Ion: 75 Resp: 75297
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#



#89
n-Butylbenzene
Concen: 0.203 ug/l
RT: 14.058 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

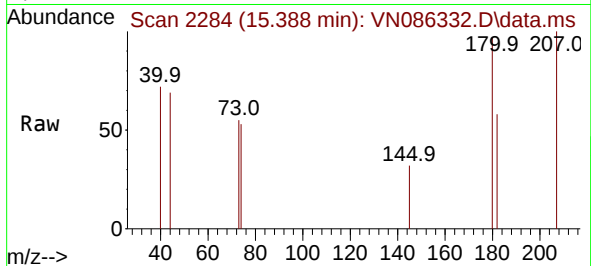
Tgt Ion: 91 Resp: 1601
Ion Ratio Lower Upper
91 100
92 53.7 26.8 80.4
134 20.6 12.2 36.6



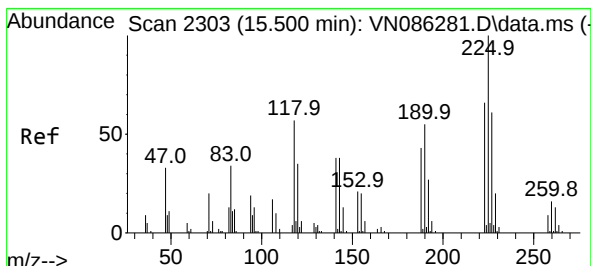
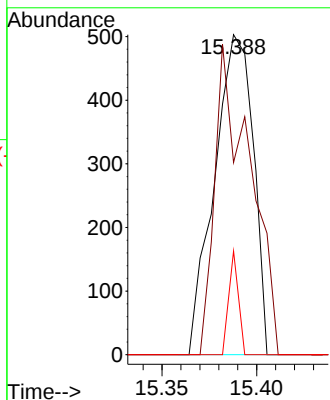
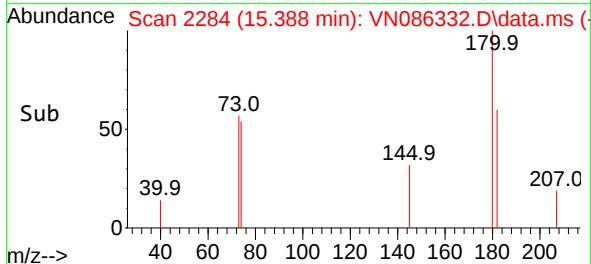


#93
1,2,4-Trichlorobenzene
Concen: 0.337 ug/l
RT: 15.388 min Scan# 210
Delta R.T. -0.000 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

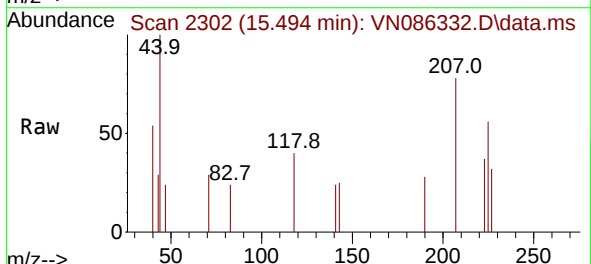
Instrument :
MSVOA_N
ClientSampleId :
VN0418MBL01



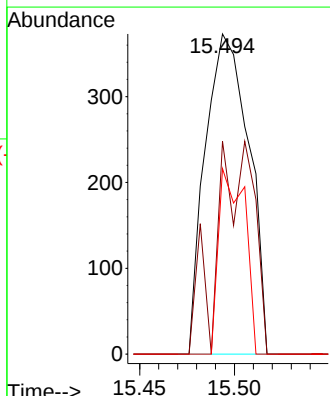
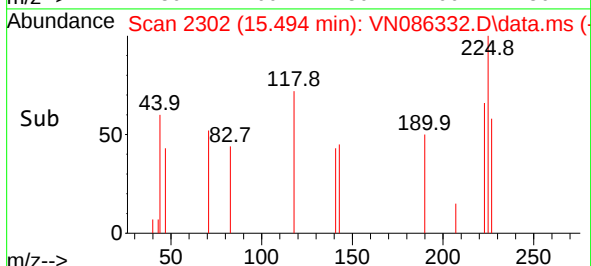
Tgt Ion:180 Resp: 717
Ion Ratio Lower Upper
180 100
182 87.3 47.0 141.0
145 8.1 16.4 49.1#

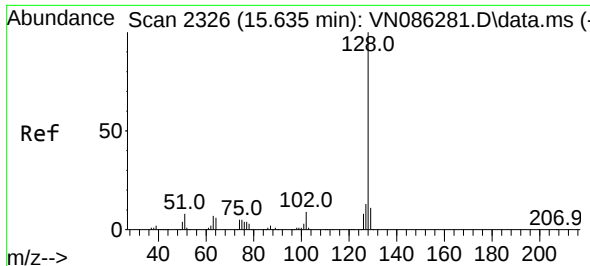


#94
Hexachlorobutadiene
Concen: 0.743 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45



Tgt Ion:225 Resp: 596
Ion Ratio Lower Upper
225 100
223 57.9 32.8 98.3
227 34.7 31.4 94.0

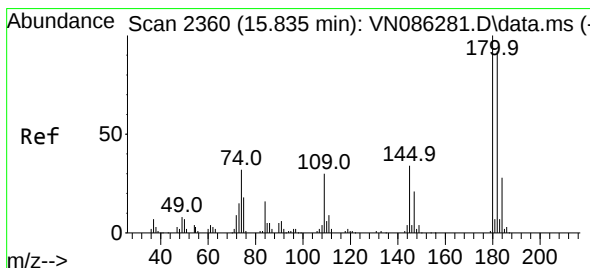
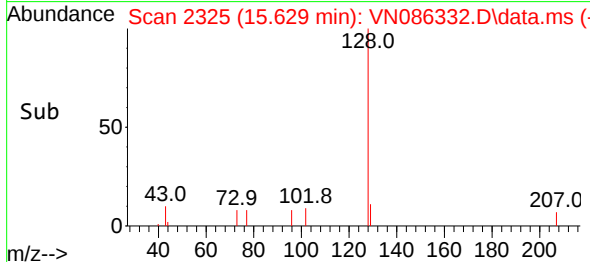
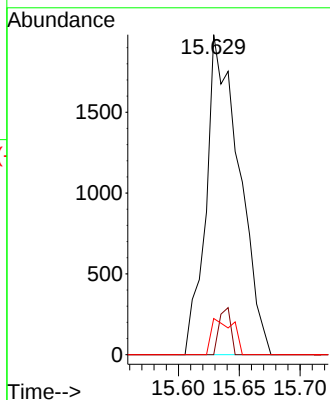
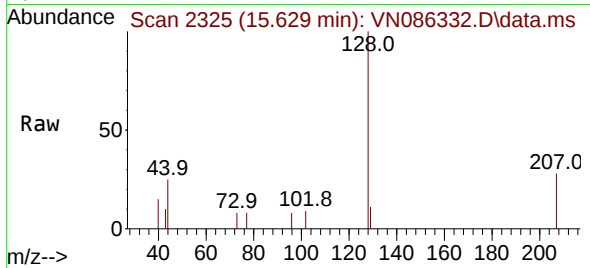




#95
Naphthalene
Concen: 0.498 ug/l
RT: 15.629 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

Instrument :
MSVOA_N
ClientSampleId :
VN0418MBL01

Tgt Ion:128 Resp: 3754
Ion Ratio Lower Upper
128 100
127 5.1 10.2 15.4#
129 7.4 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.384 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086332.D
Acq: 18 Apr 2025 09:45

Tgt Ion:180 Resp: 773
Ion Ratio Lower Upper
180 100
182 82.0 47.3 142.0
145 15.4 17.2 51.5#

