

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087019.D
 Acq On : 16 Jun 2025 10:43
 Operator : JC\MD
 Sample : VN0616WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBL01

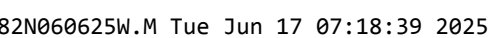
Quant Time: Jun 17 07:18:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

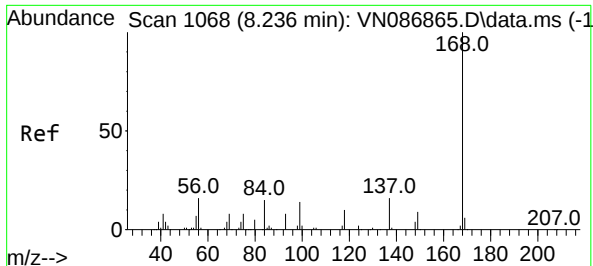
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	283331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	556820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	493060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	235789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	191298	50.428	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.860%			
35) Dibromofluoromethane	8.177	113	166223	50.373	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.740%			
50) Toluene-d8	10.565	98	680742	52.111	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.220%			
62) 4-Bromofluorobenzene	12.847	95	238898	49.223	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.440%			
Target Compounds						
					Qvalue	
31) Cyclohexane	8.229	56	5111	0.831	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	21167	4.305	ug/l #	49
38) Carbon Tetrachloride	8.229	117	27114	5.617	ug/l #	16
51) 4-Methyl-2-Pentanone	10.570	43	2354	0.389	ug/l #	1
71) Bromoform	12.847	173	1020	0.394	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	108536	19.365	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	108536	44.577	ug/l #	16

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

Quant Time: Jun 17 07:18:29 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

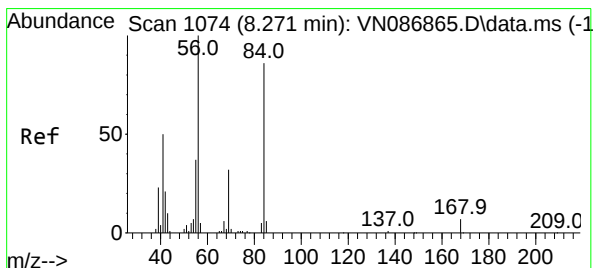
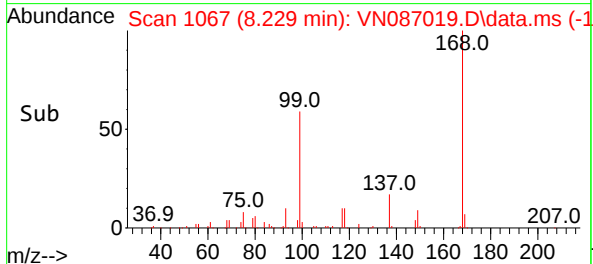
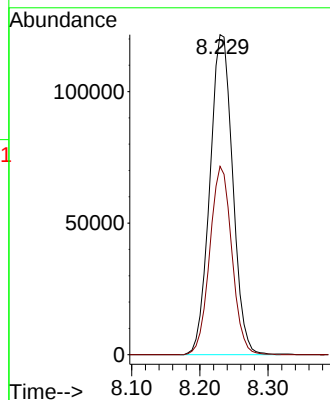
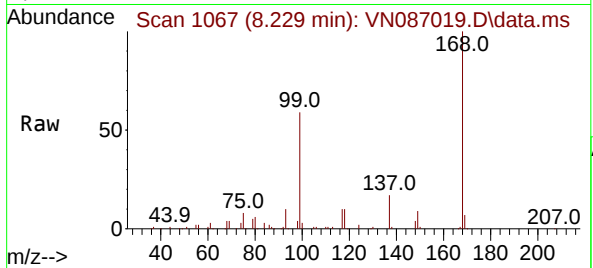




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN087019.D
Acq: 16 Jun 2025 10:43

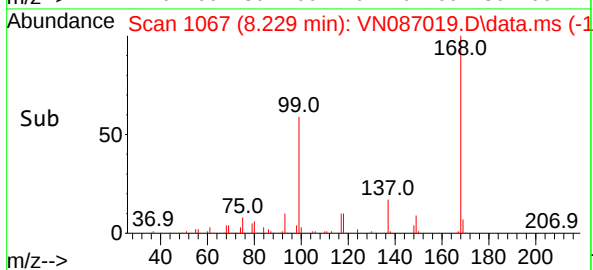
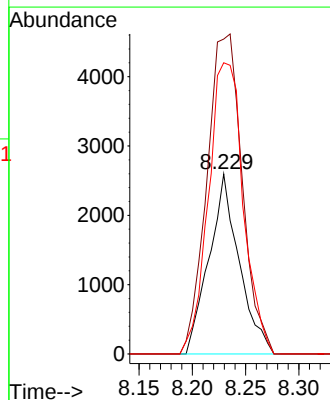
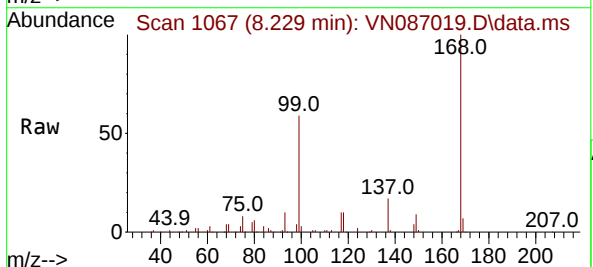
Instrument :
MSVOA_N
ClientSampleId :
VN0616WBL01

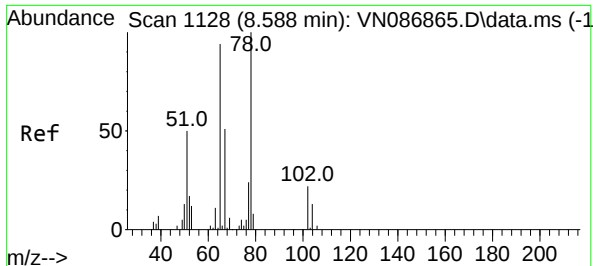
Tgt Ion:168 Resp: 283331
Ion Ratio Lower Upper
168 100
99 58.9 49.1 73.7



#31
Cyclohexane
Concen: 0.831 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087019.D
Acq: 16 Jun 2025 10:43

Tgt Ion: 56 Resp: 5111
Ion Ratio Lower Upper
56 100
69 175.0 25.4 38.0#
84 161.8 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 50.428 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN087019.D

Acq: 16 Jun 2025 10:43

Instrument :

MSVOA_N

ClientSampleId :

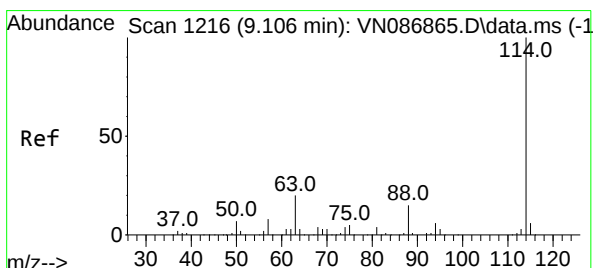
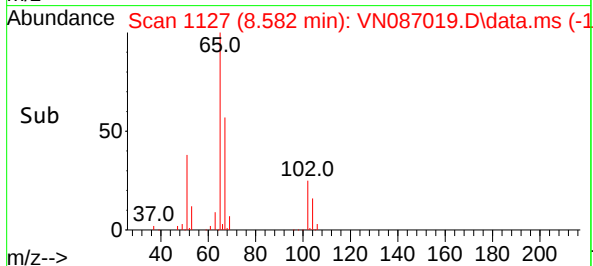
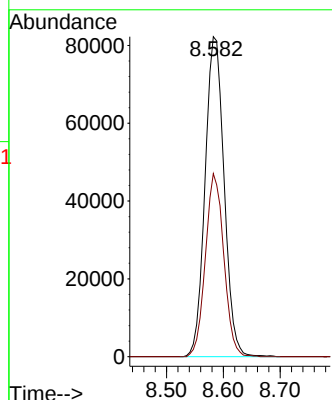
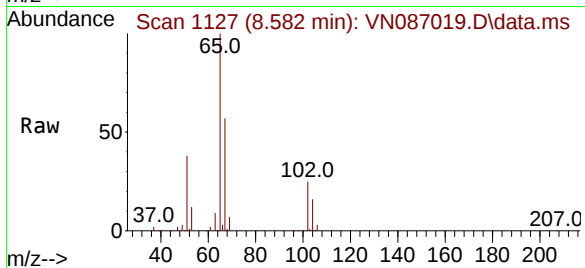
VN0616WBL01

Tgt Ion: 65 Resp: 191298

Ion Ratio Lower Upper

65 100

67 55.2 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087019.D

Acq: 16 Jun 2025 10:43

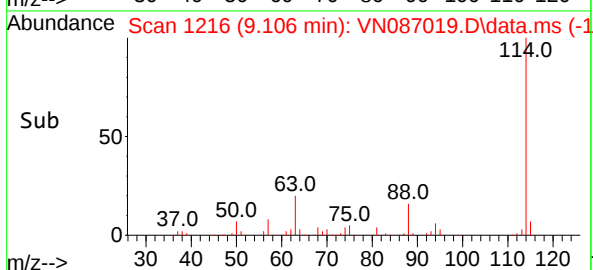
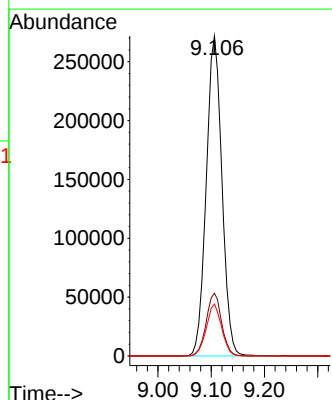
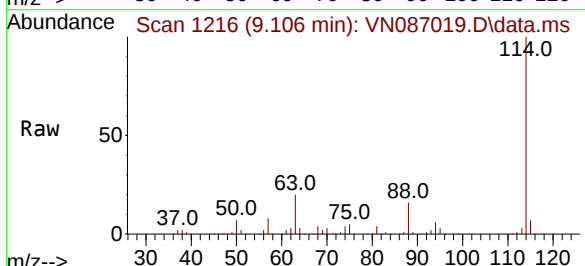
Tgt Ion: 114 Resp: 556820

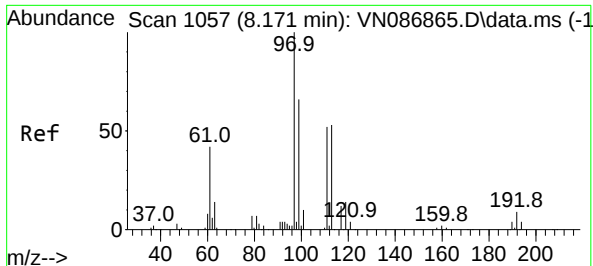
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 16.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.373 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN087019.D

Acq: 16 Jun 2025 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBL01

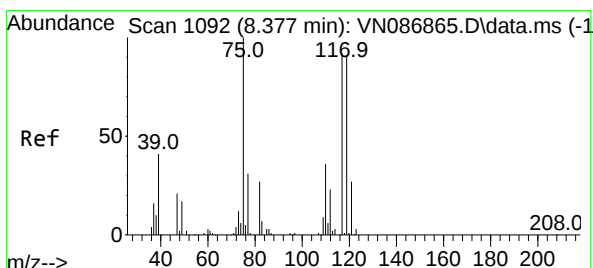
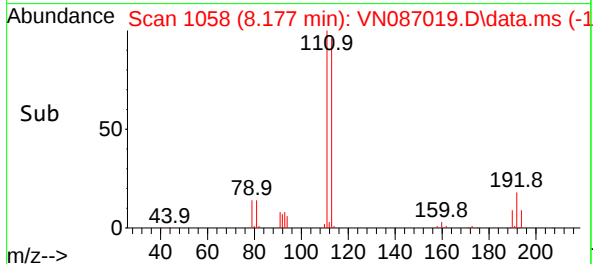
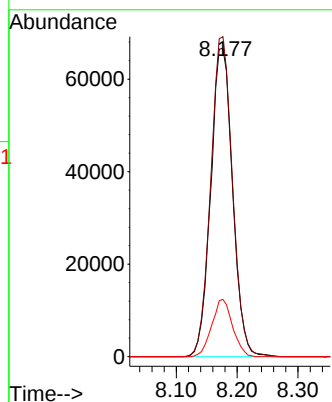
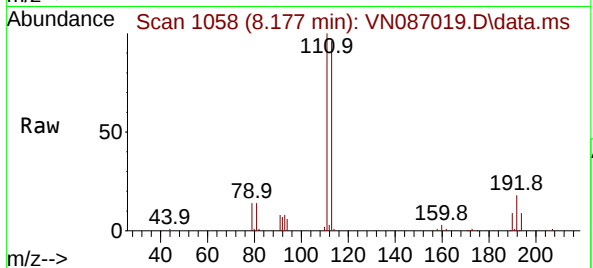
Tgt Ion:113 Resp: 166223

Ion Ratio Lower Upper

113 100

111 103.3 84.2 126.2

192 17.7 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.305 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087019.D

Acq: 16 Jun 2025 10:43

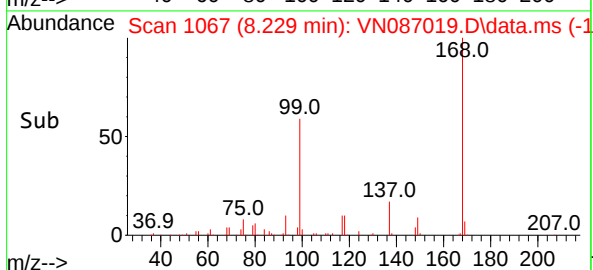
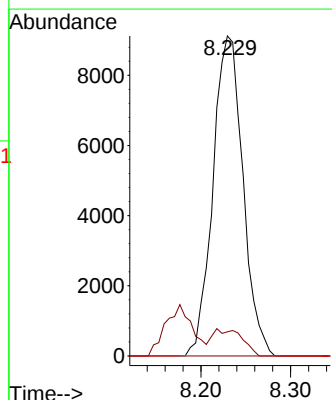
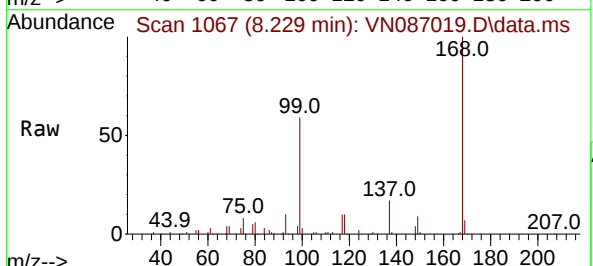
Tgt Ion: 75 Resp: 21167

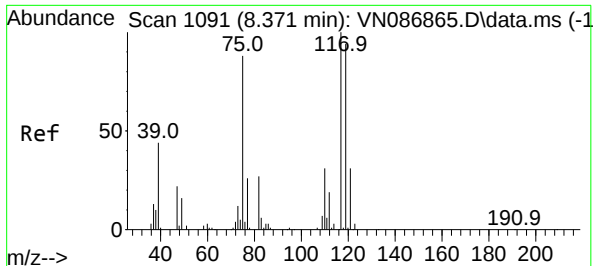
Ion Ratio Lower Upper

75 100

110 8.3 17.6 52.9#

77 0.0 25.3 37.9#

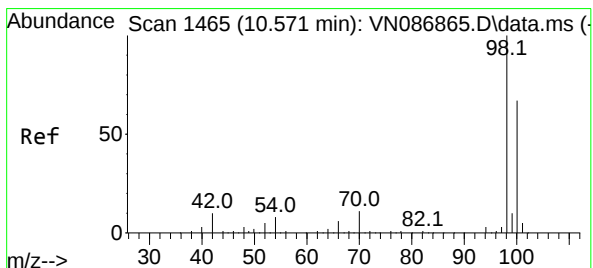
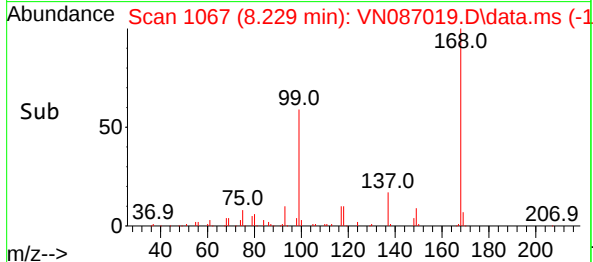
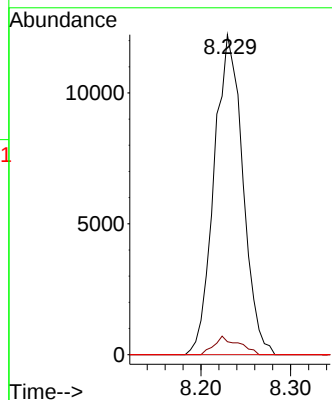
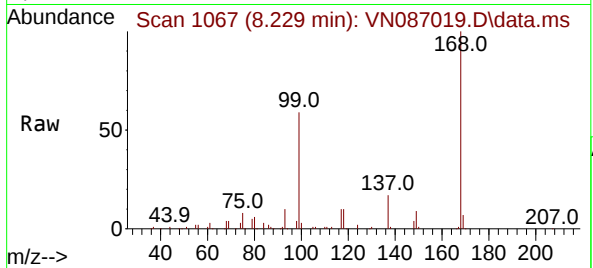




#38
Carbon Tetrachloride
Concen: 5.617 ug/l
RT: 8.229 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN087019.D
Acq: 16 Jun 2025 10:43

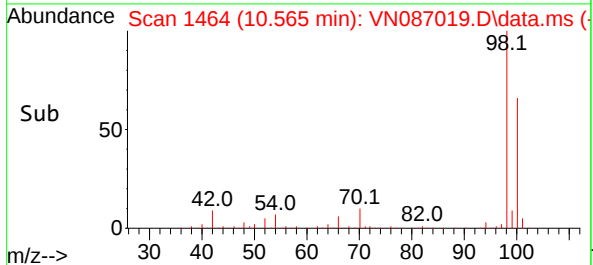
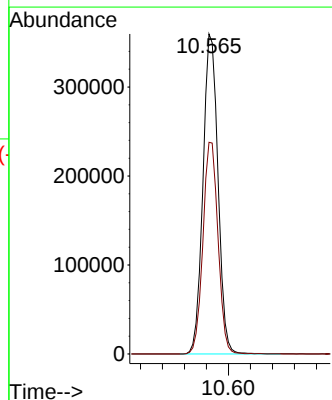
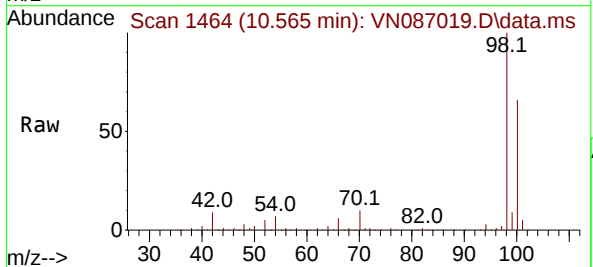
Instrument :
MSVOA_N
ClientSampleId :
VN0616WBL01

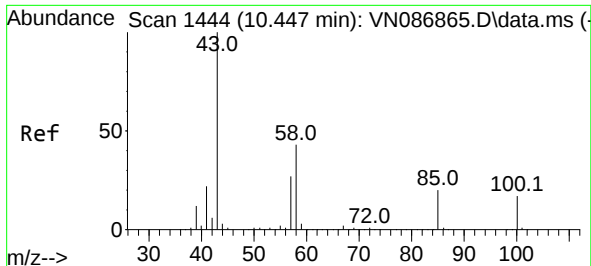
Tgt Ion:117 Resp: 27114
Ion Ratio Lower Upper
117 100
119 4.1 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 52.111 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087019.D
Acq: 16 Jun 2025 10:43

Tgt Ion: 98 Resp: 680742
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0

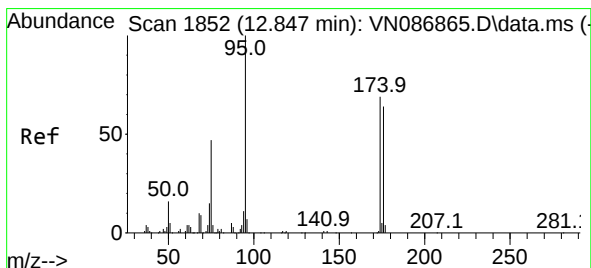
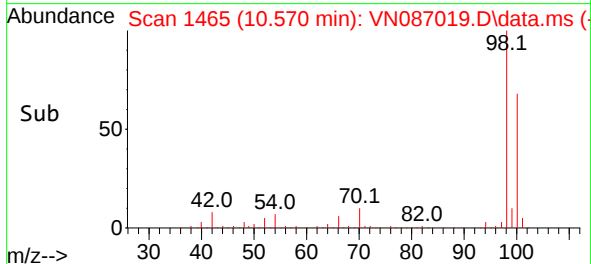
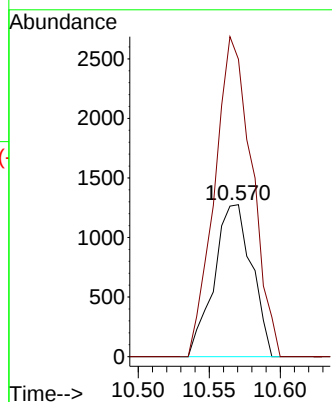
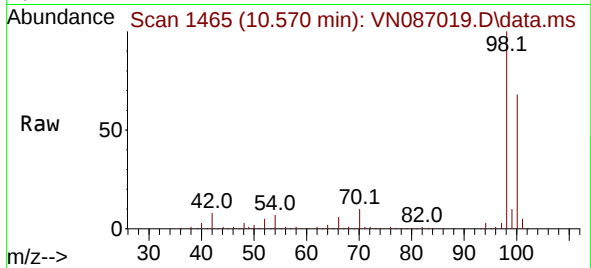




#51
4-Methyl-2-Pentanone
Concen: 0.389 ug/l
RT: 10.570 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN087019.D
Acq: 16 Jun 2025 10:43

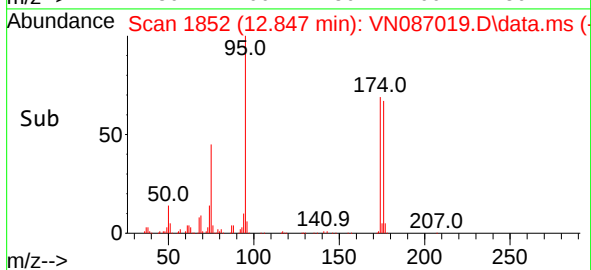
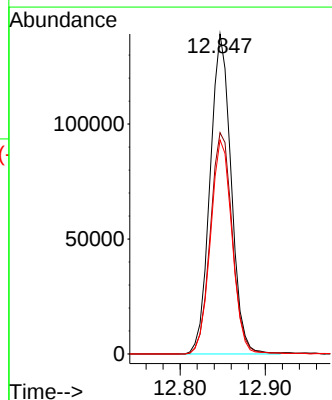
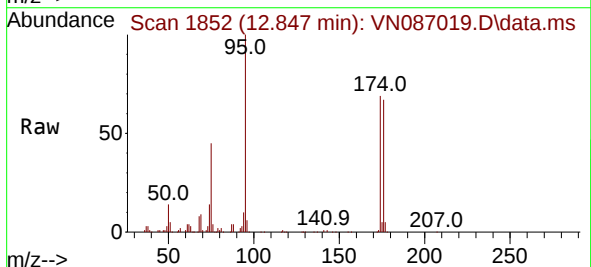
Instrument :
MSVOA_N
ClientSampleId :
VN0616WBL01

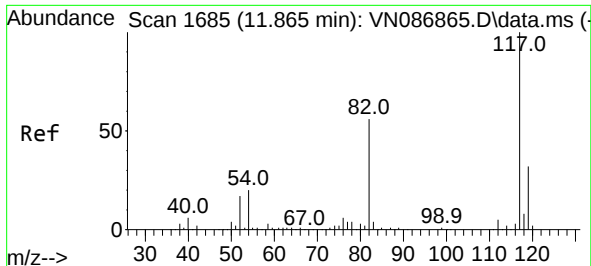
Tgt Ion: 43 Resp: 2354
Ion Ratio Lower Upper
43 100
58 208.9 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 49.223 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087019.D
Acq: 16 Jun 2025 10:43

Tgt Ion: 95 Resp: 238898
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.8
176 68.5 0.0 132.6

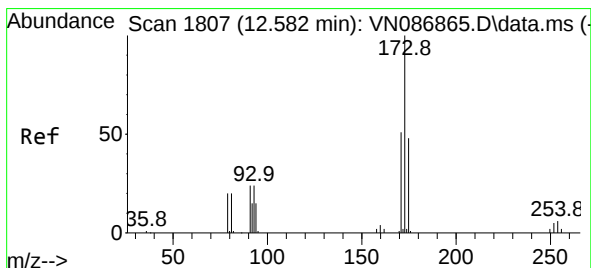
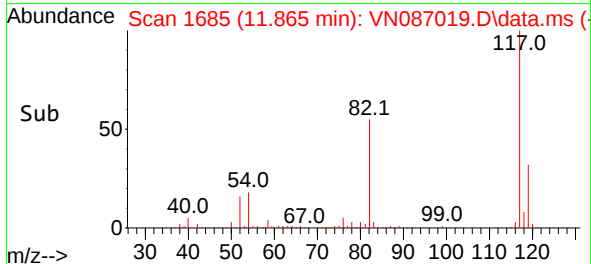
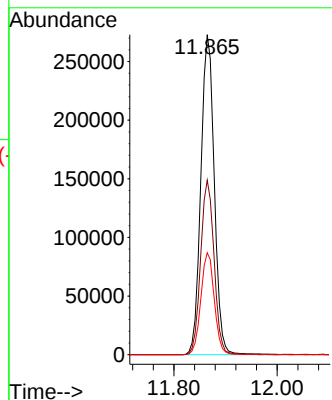
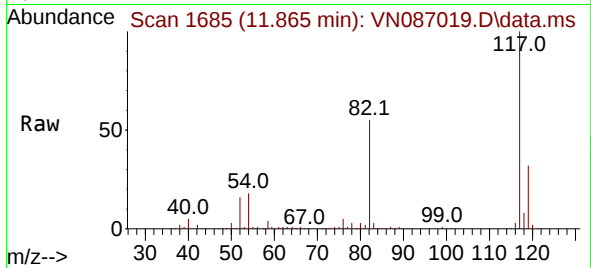




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087019.D
Acq: 16 Jun 2025 10:43

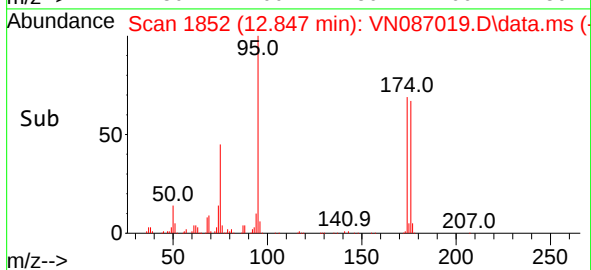
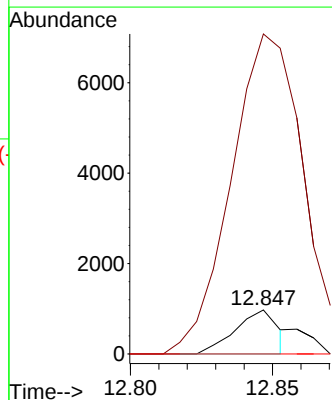
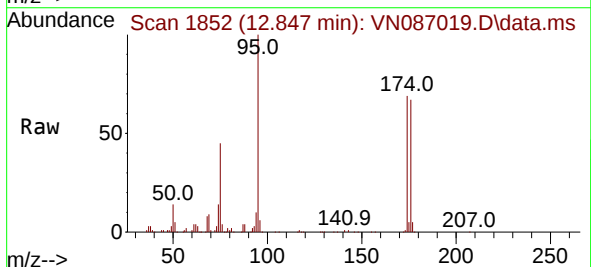
Instrument :
MSVOA_N
ClientSampleId :
VN0616WBL01

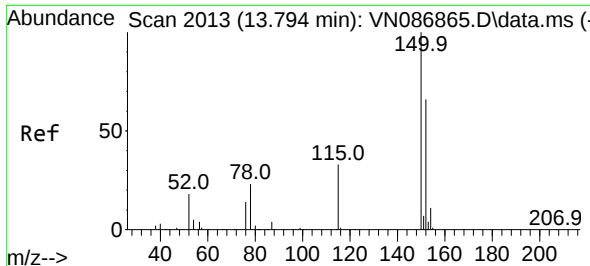
Tgt Ion:117 Resp: 493060
Ion Ratio Lower Upper
117 100
82 54.6 44.6 67.0
119 31.9 25.5 38.3



#71
Bromoform
Concen: 0.394 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.264 min
Lab File: VN087019.D
Acq: 16 Jun 2025 10:43

Tgt Ion:173 Resp: 1020
Ion Ratio Lower Upper
173 100
175 1089.9 24.1 72.4#
254 0.0 0.0 0.0

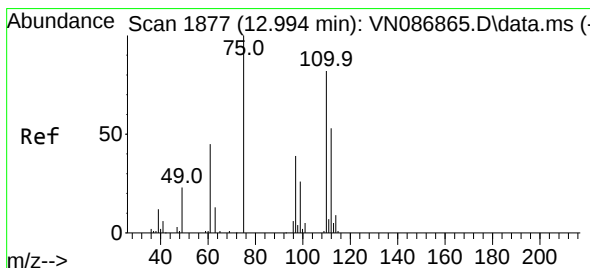
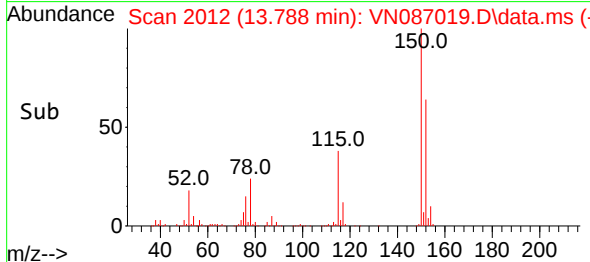
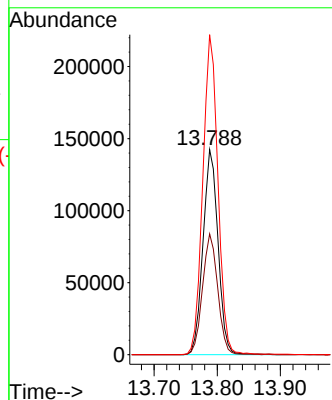
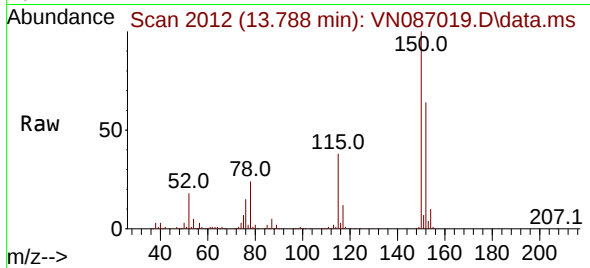




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN087019.D
Acq: 16 Jun 2025 10:43

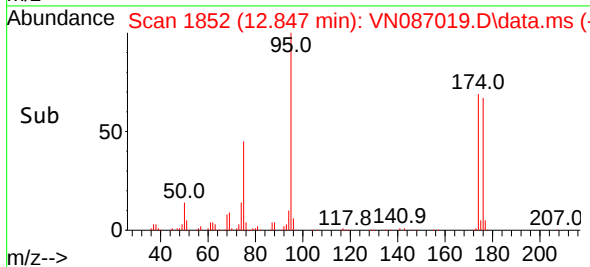
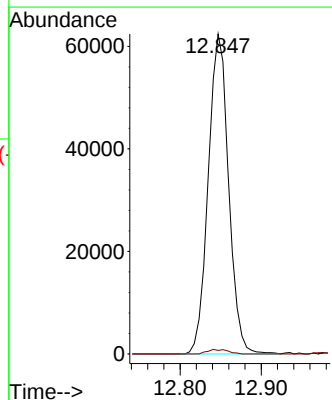
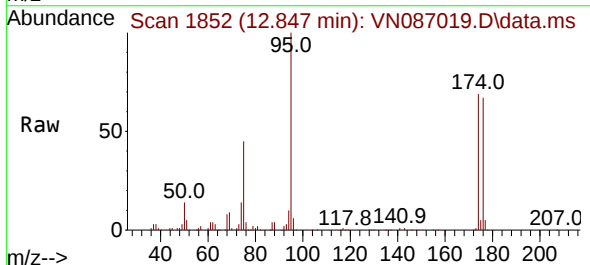
Instrument :
MSVOA_N
ClientSampleId :
VN0616WBL01

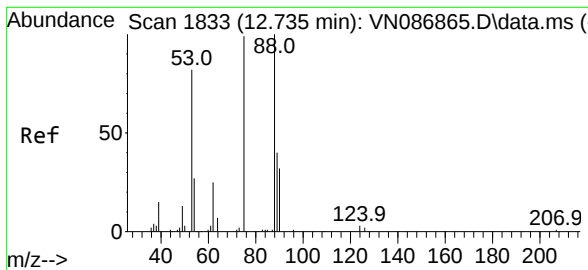
Tgt Ion:152 Resp: 235789
Ion Ratio Lower Upper
152 100
115 59.5 30.1 90.5
150 157.2 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 19.365 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087019.D
Acq: 16 Jun 2025 10:43

Tgt Ion: 75 Resp: 108536
Ion Ratio Lower Upper
75 100
77 1.4 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.577 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.111 min
 Lab File: VN087019.D
 Acq: 16 Jun 2025 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBL01

Tgt Ion: 75 Resp: 108536
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

