

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087031.D
 Acq On : 16 Jun 2025 15:12
 Operator : JC\MD
 Sample : Q2299-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D2-20250610

Quant Time: Jun 17 07:24:06 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)

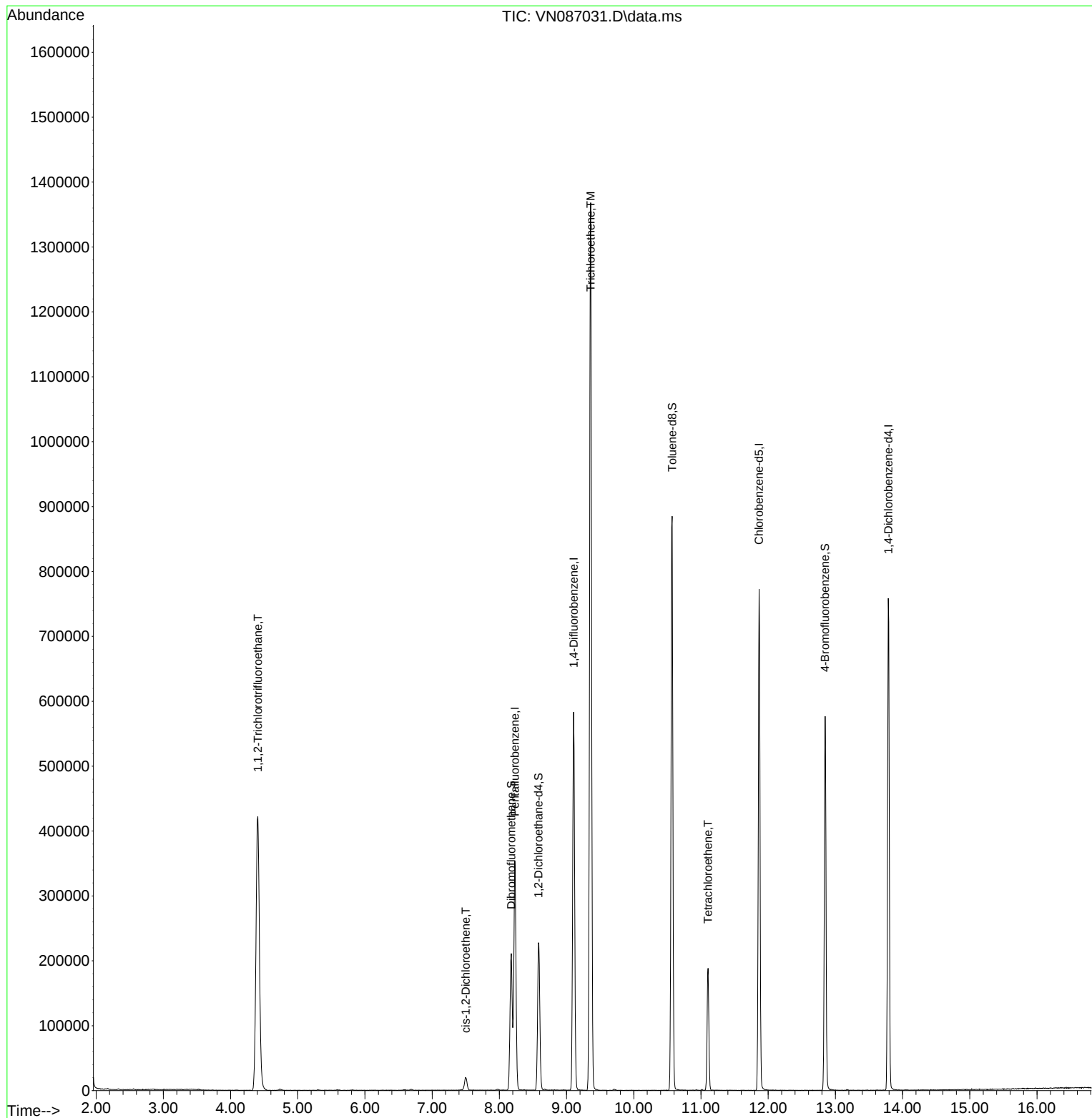
Internal Standards						
1) Pentafluorobenzene	8.229	168	274702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	538528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	482289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	227199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	188834	51.342	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.680%	
35) Dibromofluoromethane	8.177	113	162191	50.821	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.640%	
50) Toluene-d8	10.570	98	658800	52.145	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.280%	
62) 4-Bromofluorobenzene	12.847	95	236759	50.439	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.880%	
Target Compounds						
9) 1,1,2-Trichlorotrifluo...	4.406	101	338452	113.011	ug/l	Qvalue 99
27) cis-1,2-Dichloroethene	7.500	96	13711	3.370	ug/l	88
44) Trichloroethene	9.359	130	545458	147.925	ug/l	99
64) Tetrachloroethene	11.106	164	46608	15.270	ug/l	97

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

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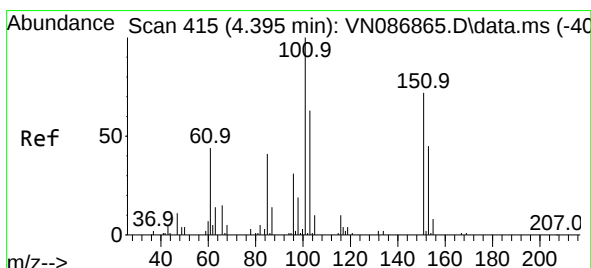
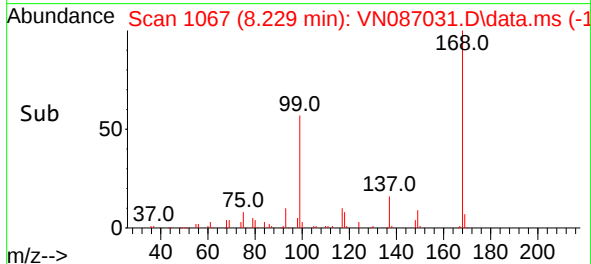
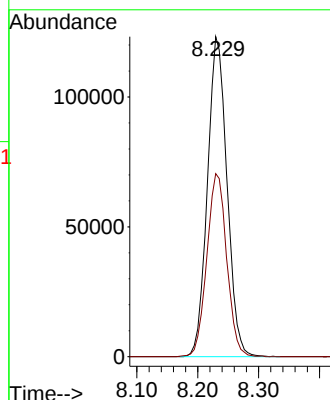
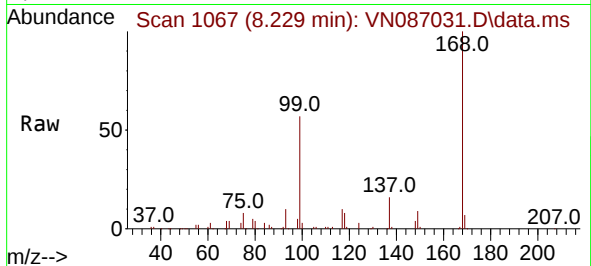




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN087031.D
Acq: 16 Jun 2025 15:12

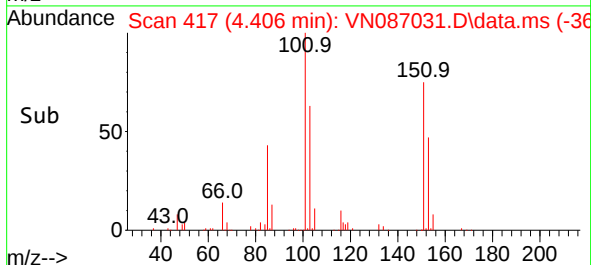
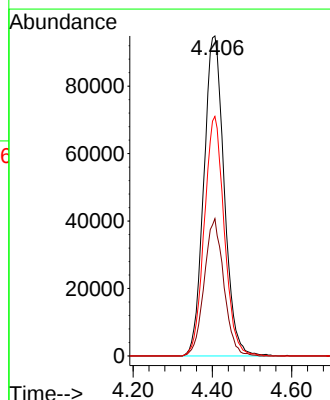
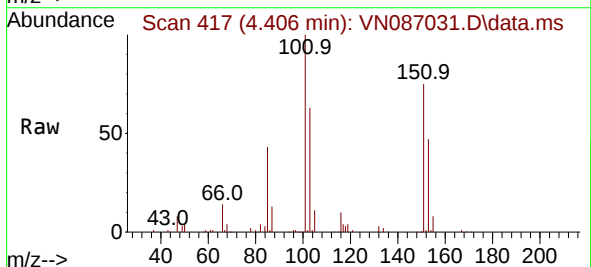
Instrument :
MSVOA_N
ClientSampleId :
RE131D2-20250610

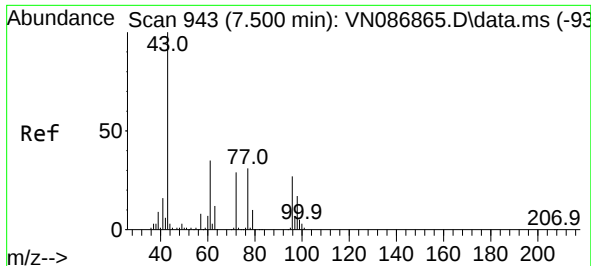
Tgt Ion:168 Resp: 274702
Ion Ratio Lower Upper
168 100
99 57.2 49.1 73.7



#9
1,1,2-Trichlorotrifluoroethane
Concen: 113.011 ug/l
RT: 4.406 min Scan# 417
Delta R.T. 0.012 min
Lab File: VN087031.D
Acq: 16 Jun 2025 15:12

Tgt Ion:101 Resp: 338452
Ion Ratio Lower Upper
101 100
85 41.2 33.8 50.8
151 73.4 58.7 88.1

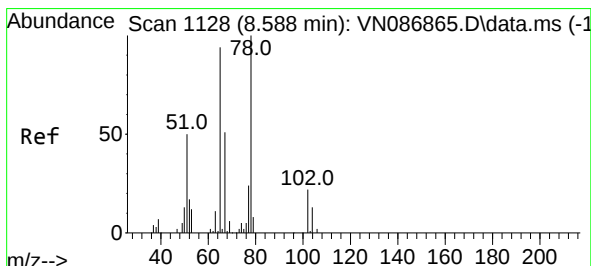
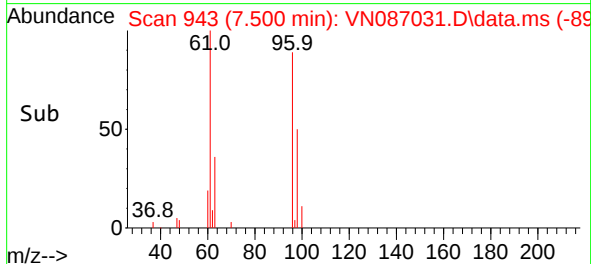
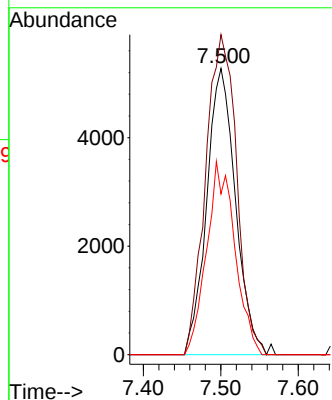
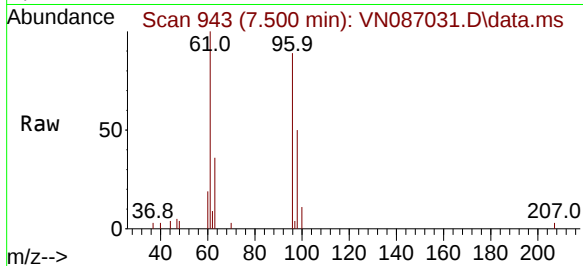




#27
 cis-1,2-Dichloroethene
 Concen: 3.370 ug/l
 RT: 7.500 min Scan# 94
 Delta R.T. -0.000 min
 Lab File: VN087031.D
 Acq: 16 Jun 2025 15:12

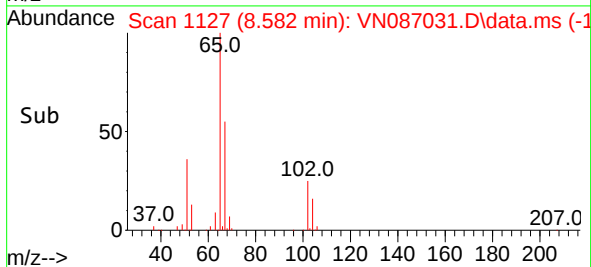
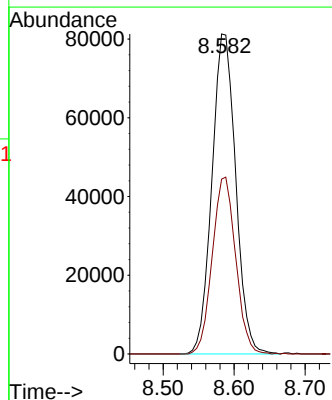
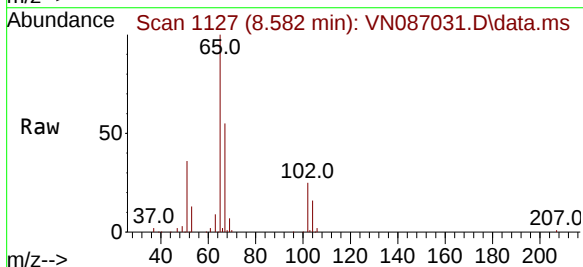
Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D2-20250610

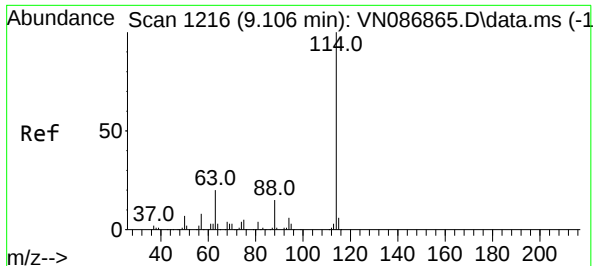
Tgt Ion: 96 Resp: 13711
 Ion Ratio Lower Upper
 96 100
 61 119.2 0.0 278.0
 98 66.0 0.0 128.2



#33
 1,2-Dichloroethane-d4
 Concen: 51.342 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. -0.006 min
 Lab File: VN087031.D
 Acq: 16 Jun 2025 15:12

Tgt Ion: 65 Resp: 188834
 Ion Ratio Lower Upper
 65 100
 67 54.4 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: VN087031.D

Acq: 16 Jun 2025 15:12

Instrument :

MSVOA_N

ClientSampleId :

RE131D2-20250610

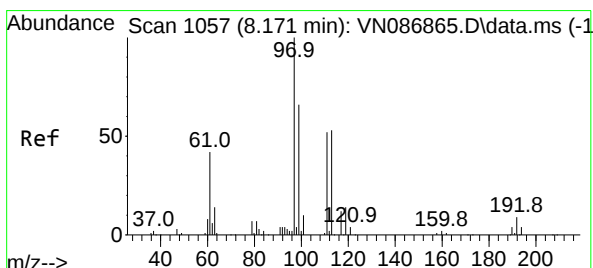
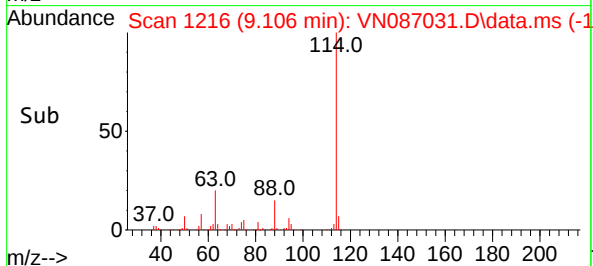
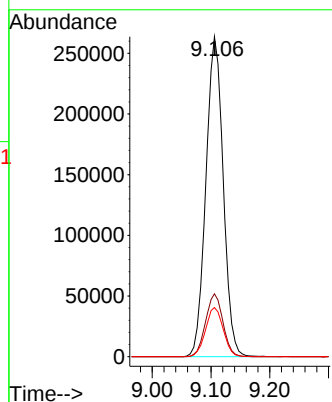
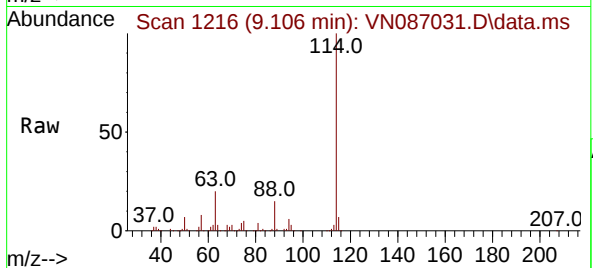
Tgt Ion:114 Resp: 538528

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.3 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.821 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087031.D

Acq: 16 Jun 2025 15:12

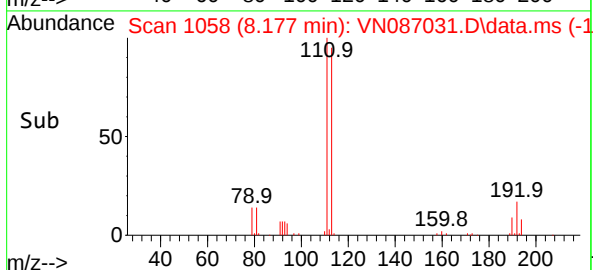
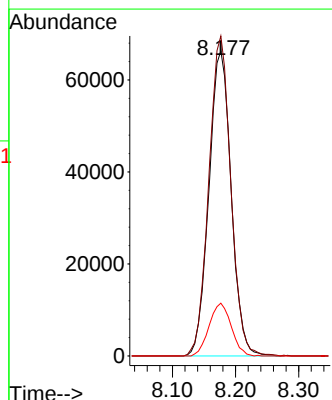
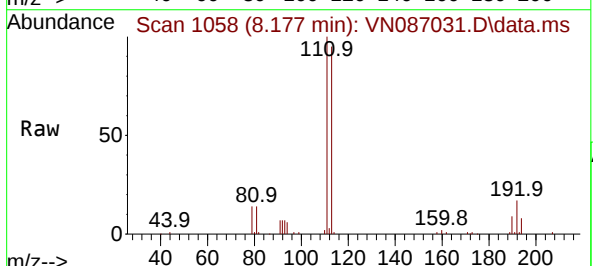
Tgt Ion:113 Resp: 162191

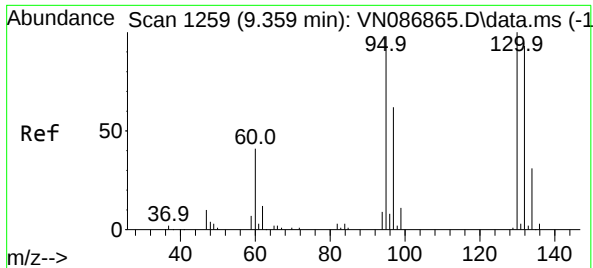
Ion Ratio Lower Upper

113 100

111 103.7 84.2 126.2

192 17.2 14.2 21.4

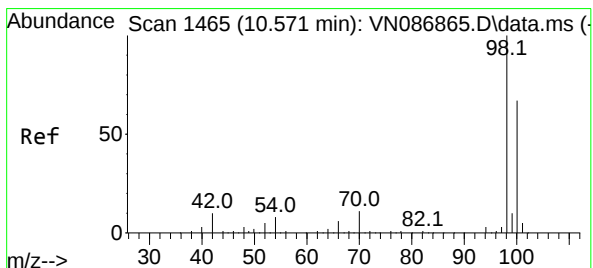
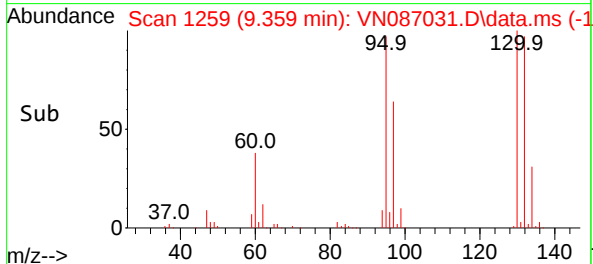
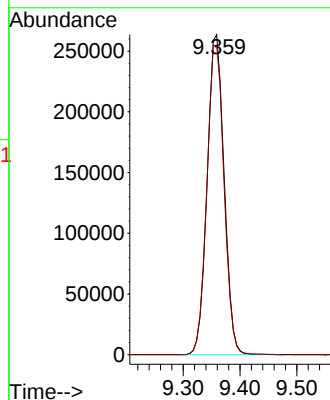
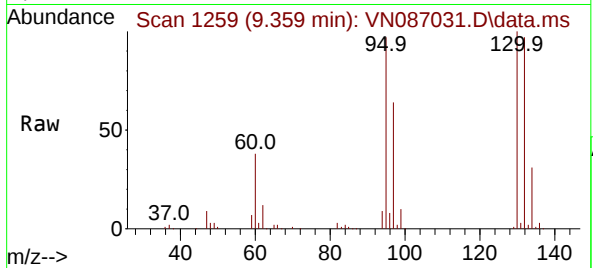




#44
Trichloroethene
Concen: 147.925 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087031.D
Acq: 16 Jun 2025 15:12

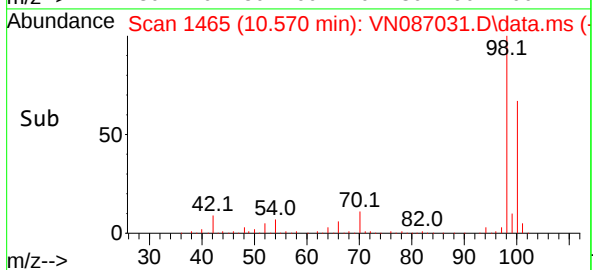
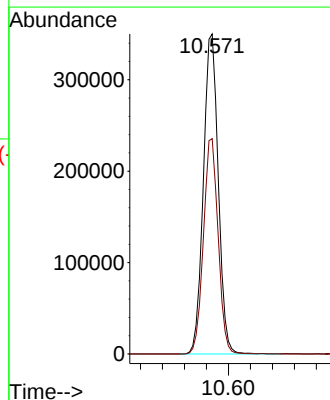
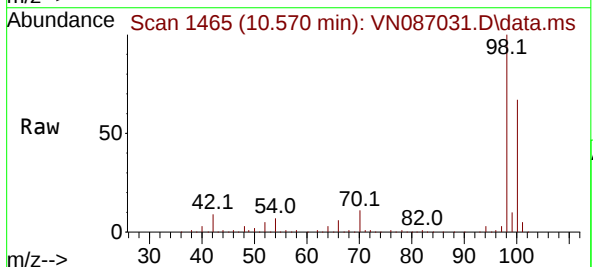
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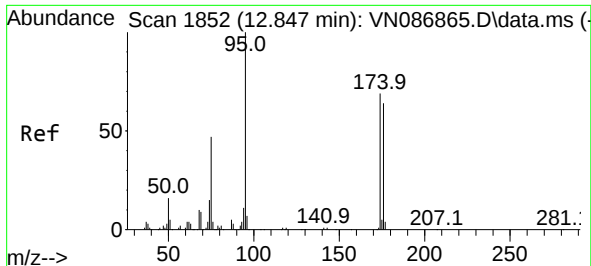
Tgt Ion:130 Resp: 545458
Ion Ratio Lower Upper
130 100
95 96.7 0.0 196.2



#50
Toluene-d8
Concen: 52.145 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087031.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 98 Resp: 658800
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0

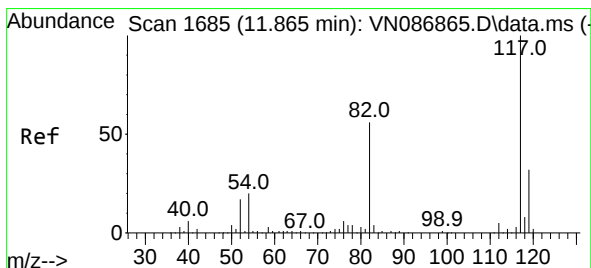
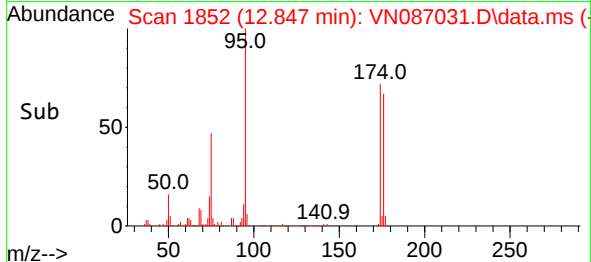
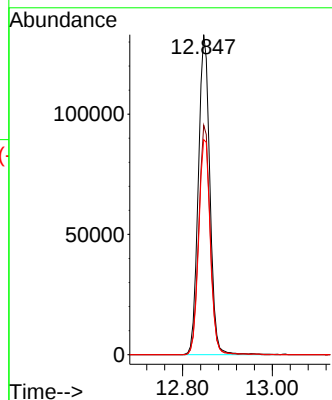
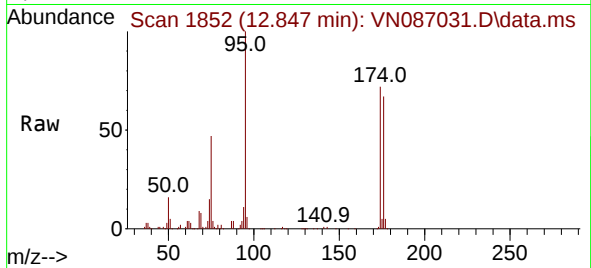




#62
4-Bromofluorobenzene
Concen: 50.439 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087031.D
Acq: 16 Jun 2025 15:12

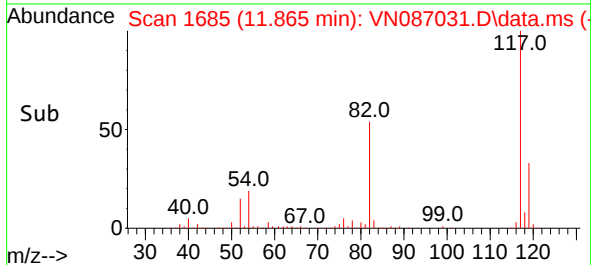
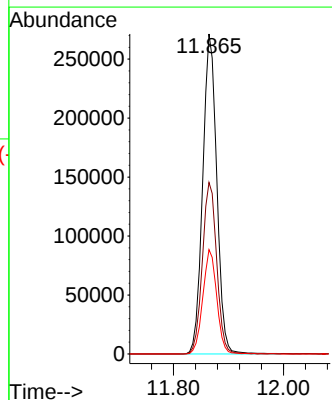
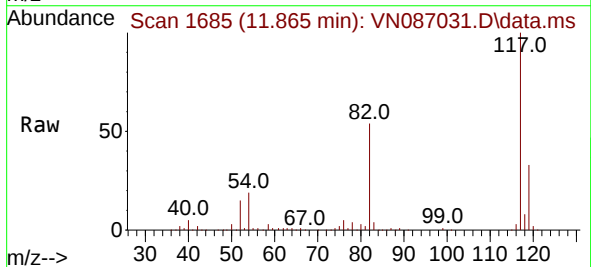
Instrument :
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RE131D2-20250610

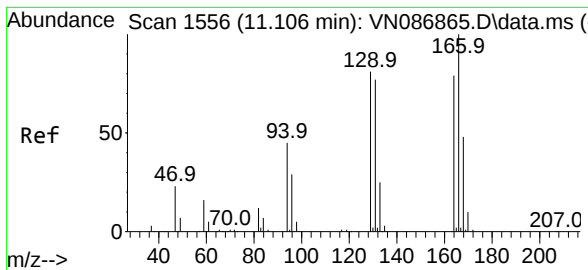
Tgt Ion: 95 Resp: 236759
Ion Ratio Lower Upper
95 100
174 71.1 0.0 141.8
176 67.8 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087031.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 117 Resp: 482289
Ion Ratio Lower Upper
117 100
82 53.6 44.6 67.0
119 32.6 25.5 38.3





#64

Tetrachloroethene

Concen: 15.270 ug/l

RT: 11.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087031.D

Acq: 16 Jun 2025 15:12

Instrument :

MSVOA_N

ClientSampleId :

RE131D2-20250610

Tgt Ion:164 Resp: 46608

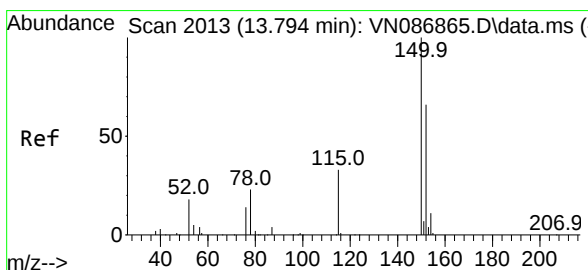
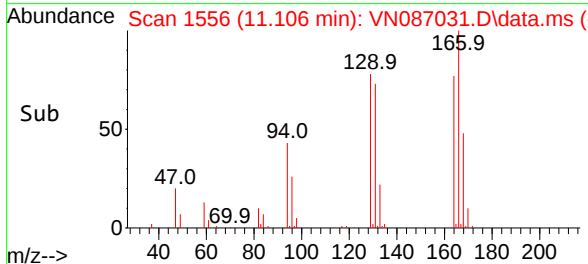
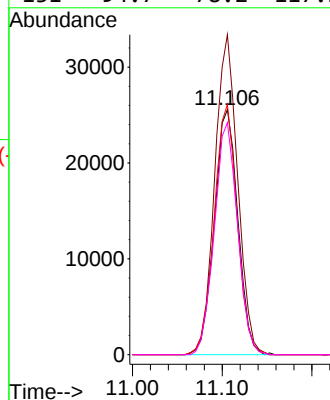
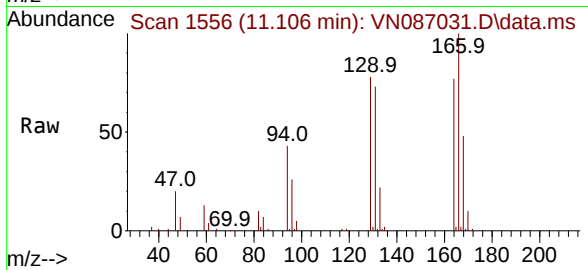
Ion Ratio Lower Upper

164 100

166 130.6 101.8 152.8

129 102.1 83.0 124.4

131 94.7 78.2 117.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN087031.D

Acq: 16 Jun 2025 15:12

Tgt Ion:152 Resp: 227199

Ion Ratio Lower Upper

152 100

115 61.7 30.1 90.5

150 159.4 0.0 345.0

