

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087531.D
 Acq On : 13 Aug 2025 13:45
 Operator : JC\MD
 Sample : Q2816-05DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1057-MW-03A(17)DL

Quant Time: Aug 14 03:59:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

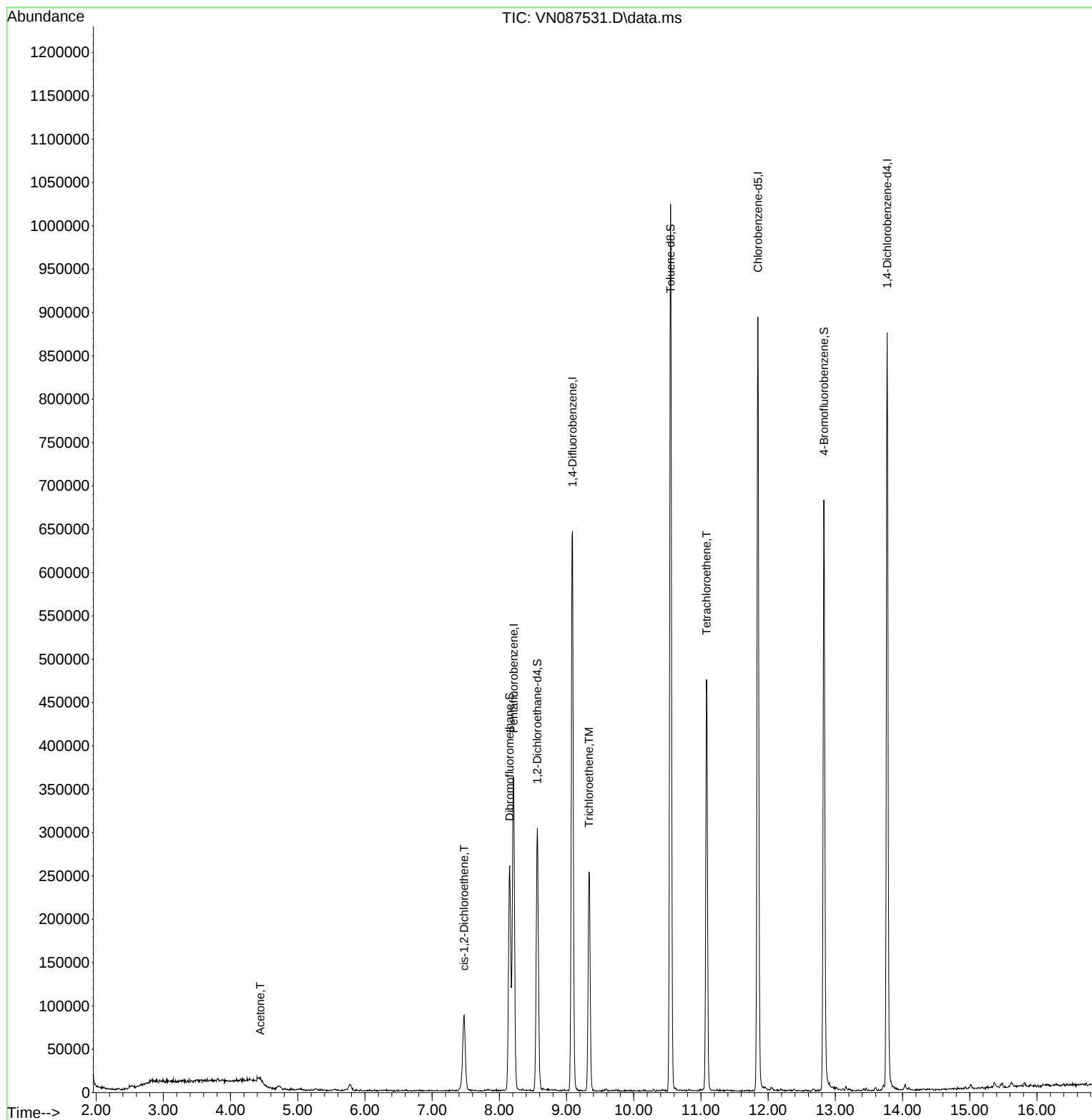
Internal Standards						
1) Pentafluorobenzene	8.212	168	242235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	538435	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	477328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	224016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	257078	62.546	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	125.100%#
35) Dibromofluoromethane	8.153	113	182278	49.077	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.160%
50) Toluene-d8	10.547	98	678568	51.218	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.440%
62) 4-Bromofluorobenzene	12.829	95	242040	49.449	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.900%
Target Compounds						
					Qvalue	
16) Acetone	4.442	43	9349	4.851	ug/l #	89
27) cis-1,2-Dichloroethene	7.477	96	47912	13.345	ug/l	95
44) Trichloroethene	9.335	130	85704	22.870	ug/l	87
64) Tetrachloroethene	11.082	164	96136	31.293	ug/l	96

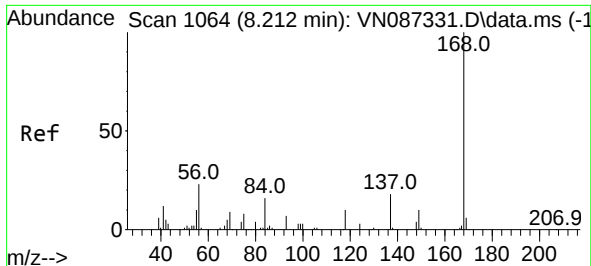
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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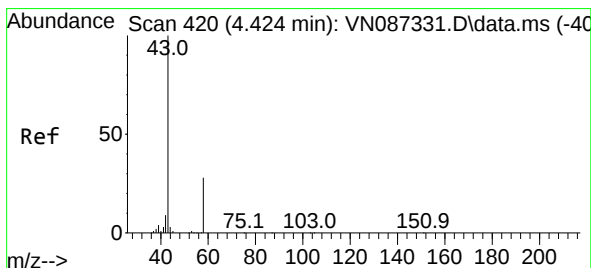
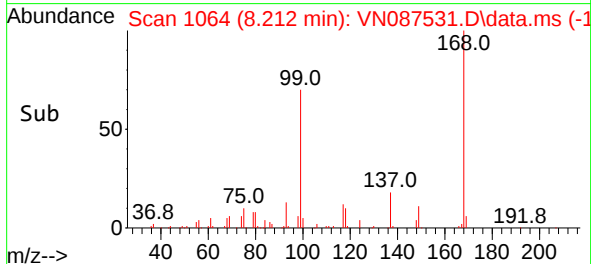
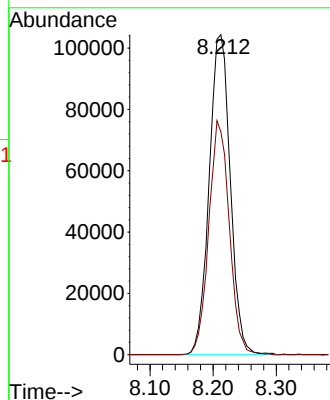
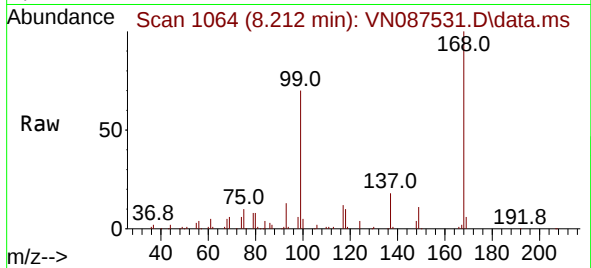




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VN087531.D
Acq: 13 Aug 2025 13:45

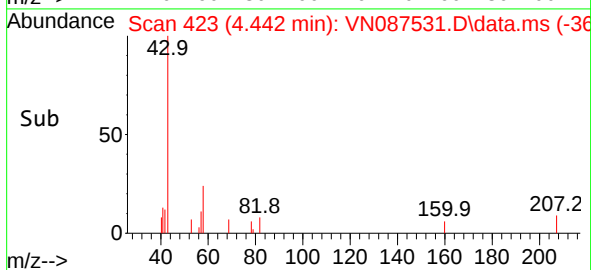
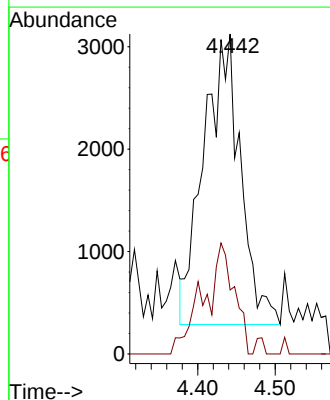
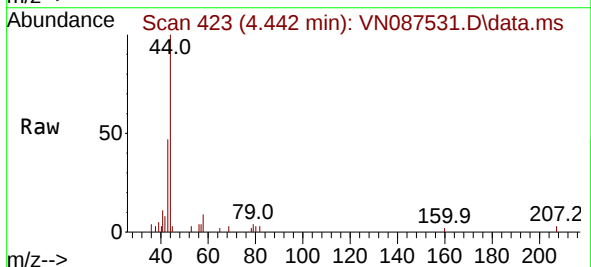
Instrument :
MSVOA_N
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1057-MW-03A(17)DL

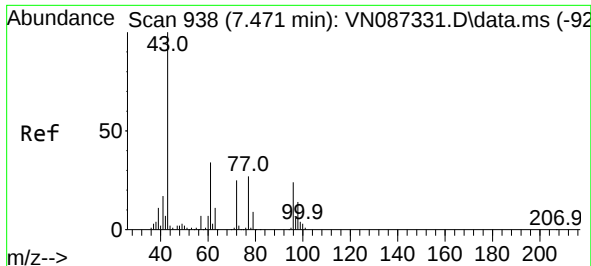
Tgt Ion:168 Resp: 242235
Ion Ratio Lower Upper
168 100
99 69.6 47.9 71.9



#16
Acetone
Concen: 4.851 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN087531.D
Acq: 13 Aug 2025 13:45

Tgt Ion: 43 Resp: 9349
Ion Ratio Lower Upper
43 100
58 22.0 22.3 33.5#

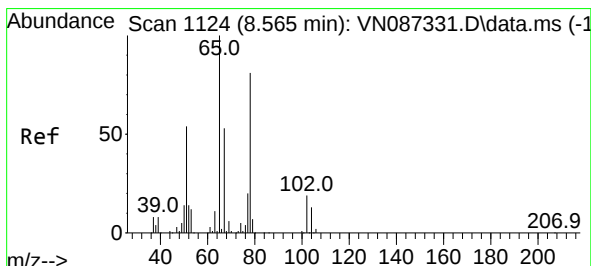
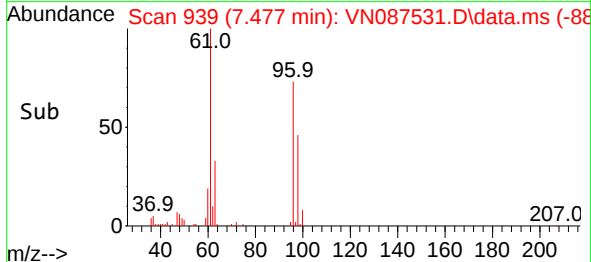
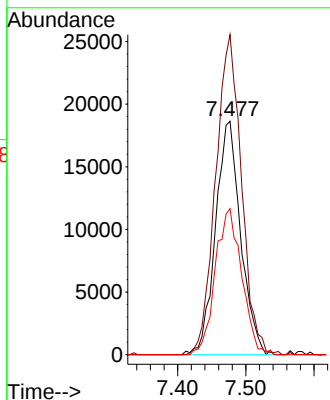
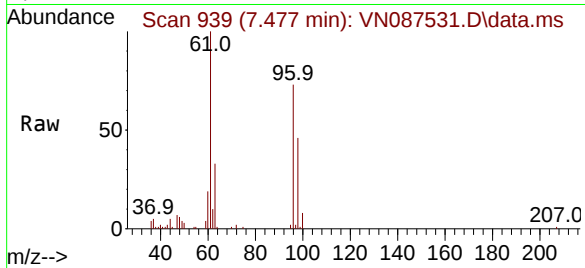




#27
 cis-1,2-Dichloroethene
 Concen: 13.345 ug/l
 RT: 7.477 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN087531.D
 Acq: 13 Aug 2025 13:45

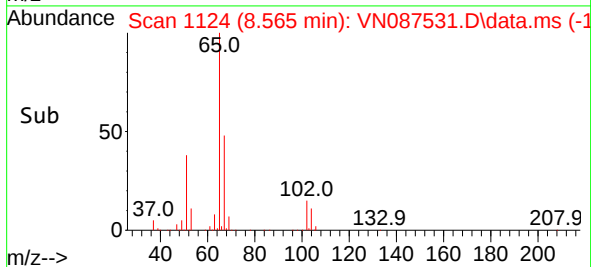
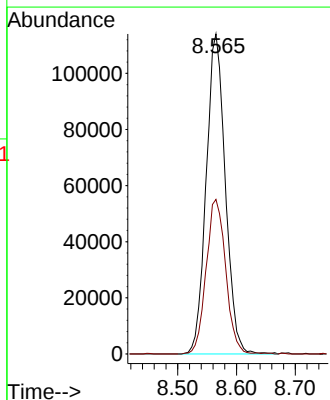
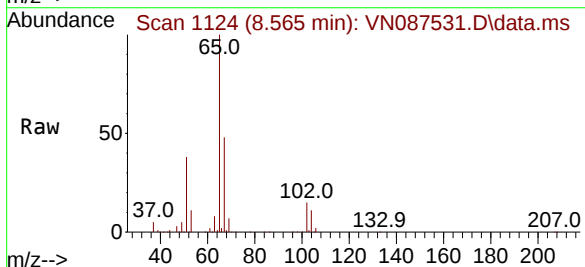
Instrument :
 MSVOA_N
 ClientSampleId :
 1057-MW-03A(17)DL

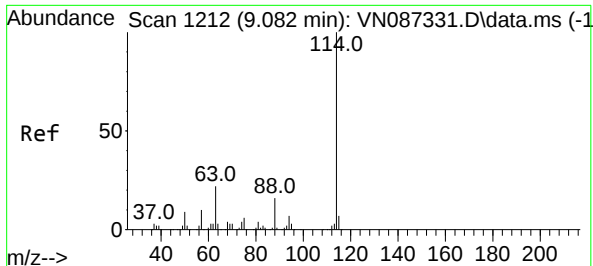
Tgt Ion: 96 Resp: 47912
 Ion Ratio Lower Upper
 96 100
 61 140.6 0.0 297.8
 98 65.4 0.0 132.4



#33
 1,2-Dichloroethane-d4
 Concen: 62.546 ug/l
 RT: 8.565 min Scan# 1124
 Delta R.T. 0.000 min
 Lab File: VN087531.D
 Acq: 13 Aug 2025 13:45

Tgt Ion: 65 Resp: 257078
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN087531.D

Acq: 13 Aug 2025 13:45

Instrument :

MSVOA_N

ClientSampleId :

1057-MW-03A(17)DL

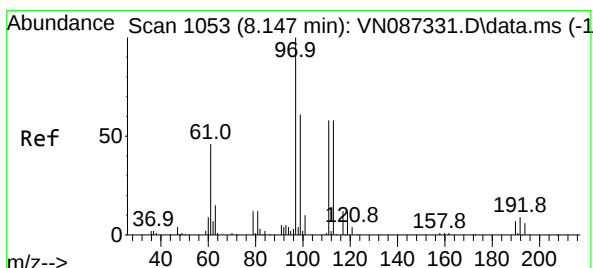
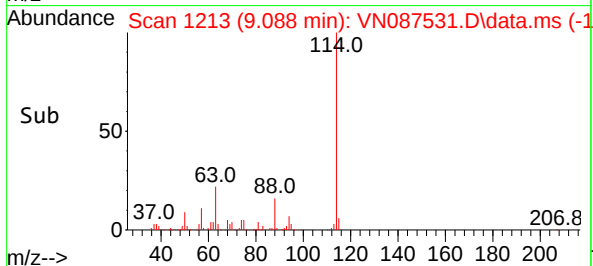
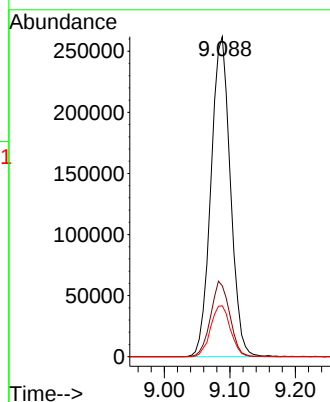
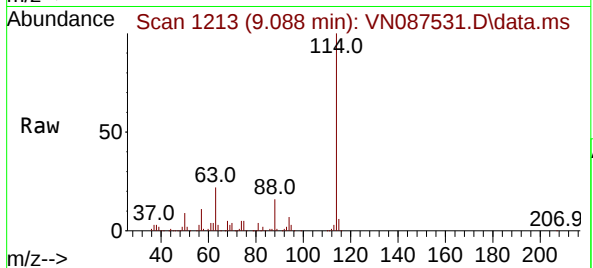
Tgt Ion:114 Resp: 538435

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.6

88 15.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.077 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087531.D

Acq: 13 Aug 2025 13:45

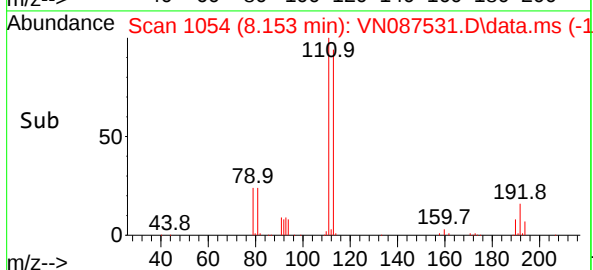
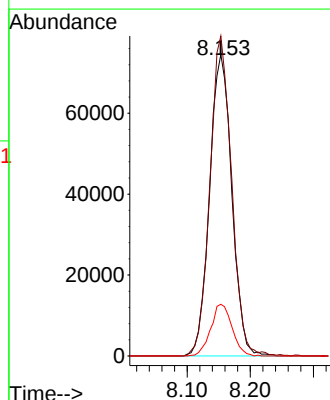
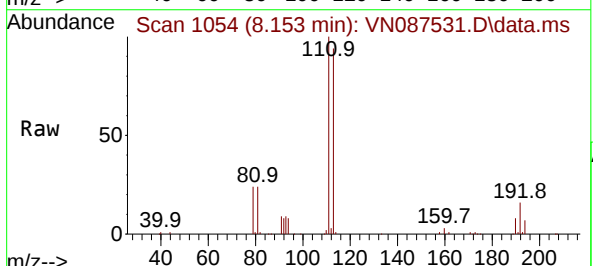
Tgt Ion:113 Resp: 182278

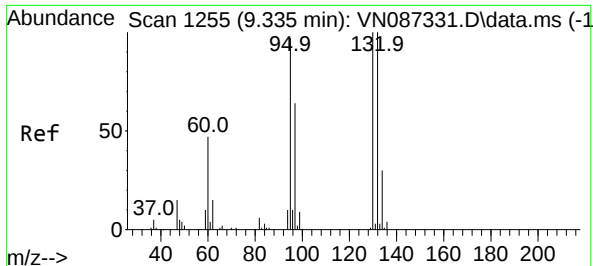
Ion Ratio Lower Upper

113 100

111 103.4 82.5 123.7

192 16.5 13.7 20.5

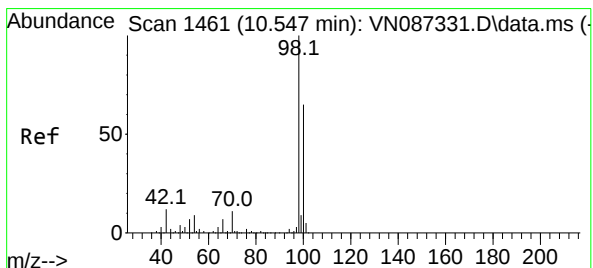
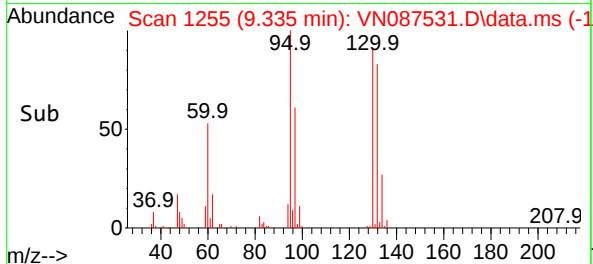
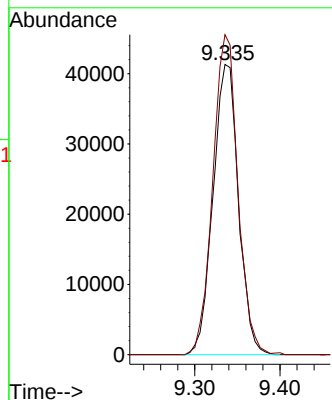
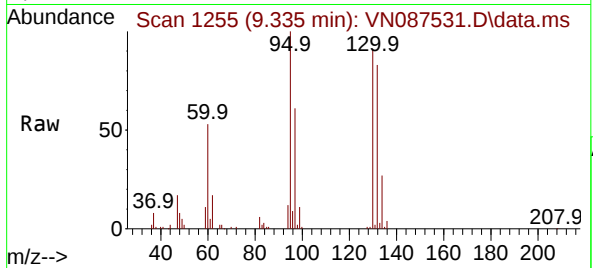




#44
Trichloroethene
Concen: 22.870 ug/l
RT: 9.335 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087531.D
Acq: 13 Aug 2025 13:45

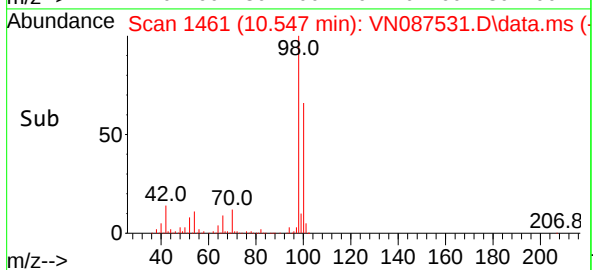
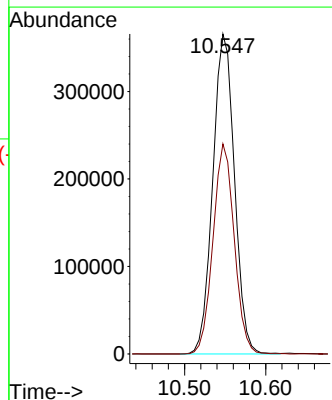
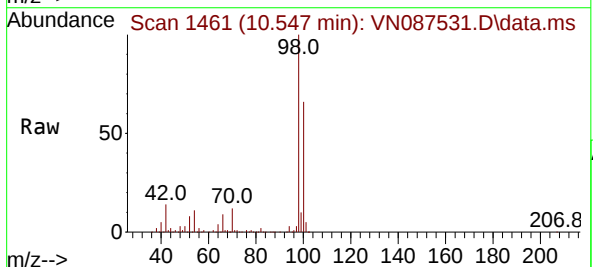
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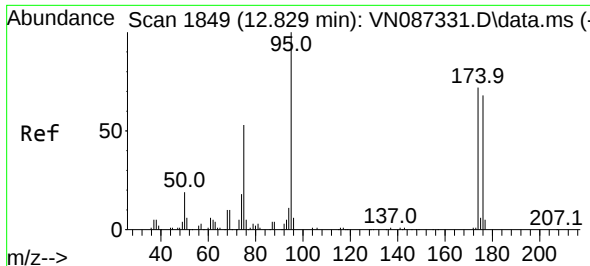
Tgt Ion:130 Resp: 85704
Ion Ratio Lower Upper
130 100
95 110.3 0.0 195.2



#50
Toluene-d8
Concen: 51.218 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087531.D
Acq: 13 Aug 2025 13:45

Tgt Ion: 98 Resp: 678568
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1

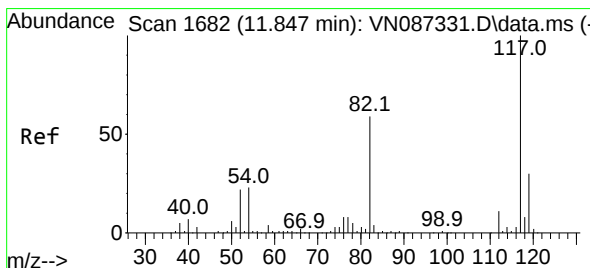
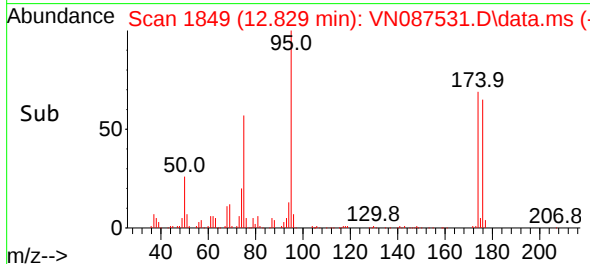
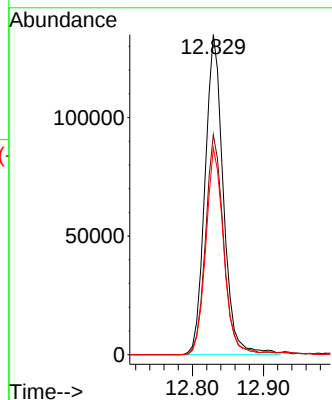
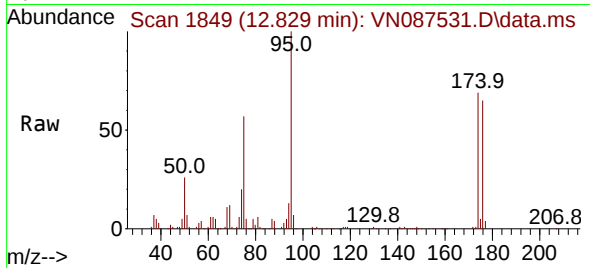




#62
4-Bromofluorobenzene
Concen: 49.449 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087531.D
Acq: 13 Aug 2025 13:45

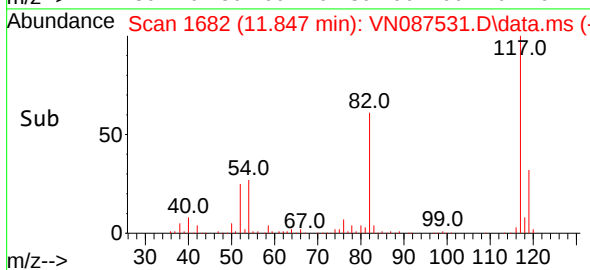
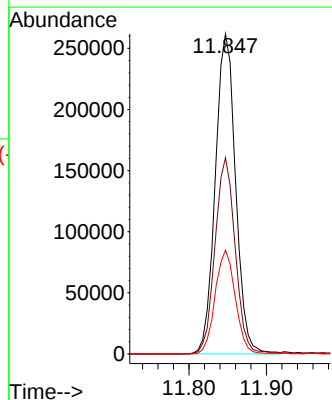
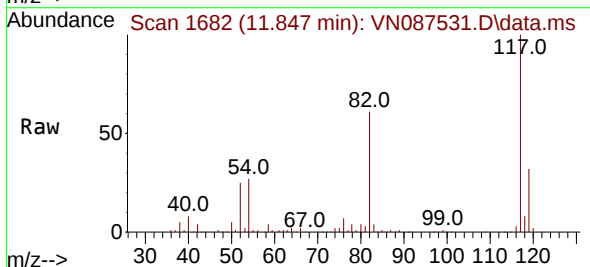
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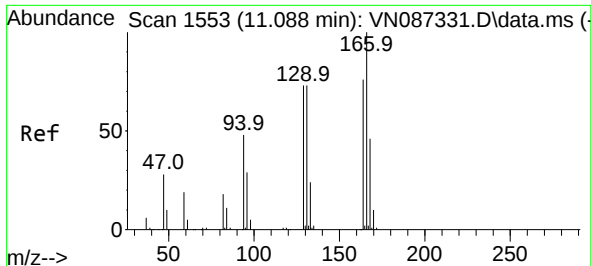
Tgt Ion: 95 Resp: 242040
Ion Ratio Lower Upper
95 100
174 67.5 0.0 149.4
176 63.1 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087531.D
Acq: 13 Aug 2025 13:45

Tgt Ion: 117 Resp: 477328
Ion Ratio Lower Upper
117 100
82 61.3 47.4 71.2
119 32.5 23.8 35.8

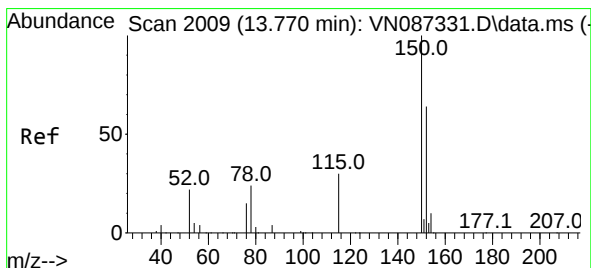
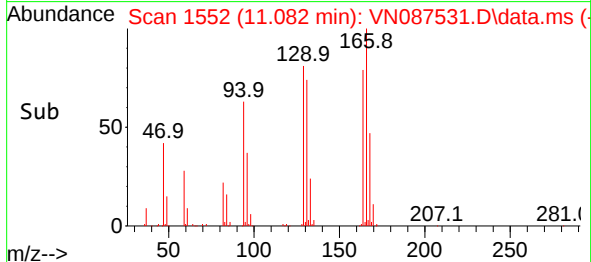
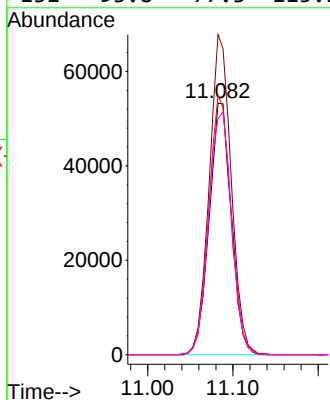
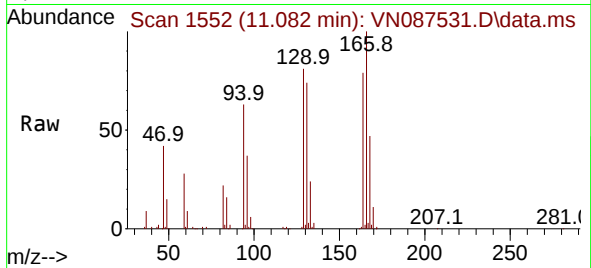




#64
Tetrachloroethene
Concen: 31.293 ug/l
RT: 11.082 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087531.D
Acq: 13 Aug 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:164	Resp:	96136
Ion Ratio	Lower	Upper
164	100	
166	127.2	105.5 158.3
129	103.0	77.4 116.2
131	93.8	77.3 115.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087531.D
Acq: 13 Aug 2025 13:45

Tgt Ion:152	Resp:	224016
Ion Ratio	Lower	Upper
152	100	
115	64.9	31.1 93.5
150	157.2	0.0 349.0

