

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087039.D
 Acq On : 16 Jun 2025 18:02
 Operator : JC\MD
 Sample : Q2299-21
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D1-20250611

Quant Time: Jun 17 07:27:29 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)

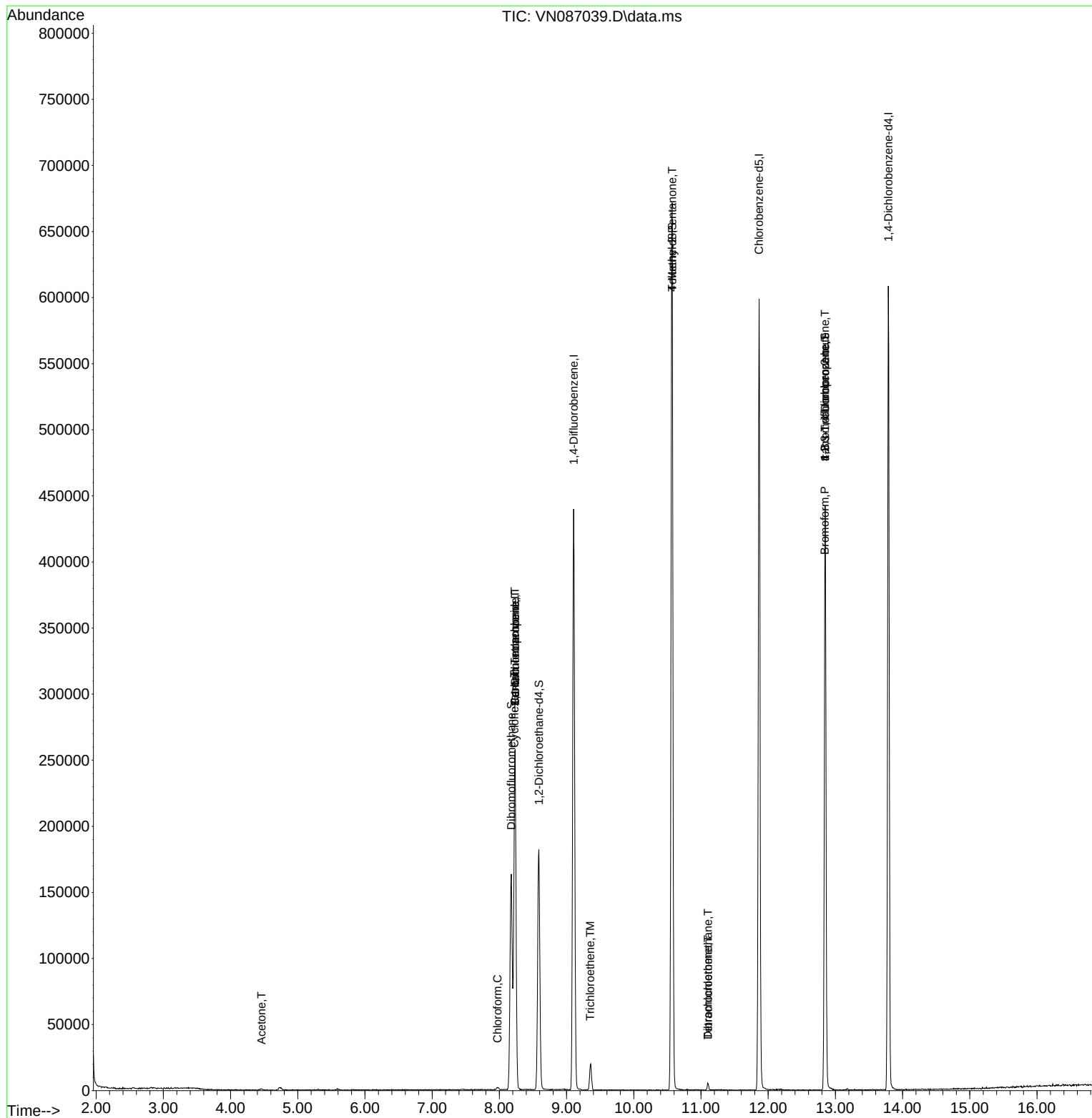
Internal Standards						
1) Pentafluorobenzene	8.235	168	205063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	411667	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	371283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	176304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	147287	53.645	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.300%
35) Dibromofluoromethane	8.177	113	126902	52.017	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.040%
50) Toluene-d8	10.571	98	506312	52.425	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.840%
62) 4-Bromofluorobenzene	12.847	95	178049	49.621	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.240%
Target Compounds						
					Qvalue	
16) Acetone	4.459	43	1846	1.268	ug/l #	80
30) Chloroform	7.971	83	1982	0.432	ug/l	90
31) Cyclohexane	8.224	56	3764	0.845	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	15605	4.293	ug/l #	47
38) Carbon Tetrachloride	8.230	117	20219	5.665	ug/l #	18
44) Trichloroethene	9.353	130	7823	2.775	ug/l	90
51) 4-Methyl-2-Pentanone	10.571	43	1581	0.354	ug/l #	1
60) Dibromochloromethane	11.106	129	1312	0.450	ug/l #	11
64) Tetrachloroethene	11.106	164	1026	0.437	ug/l	88
71) Bromoform	12.841	173	405	0.208	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	83148	19.841	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83148	45.672	ug/l #	16

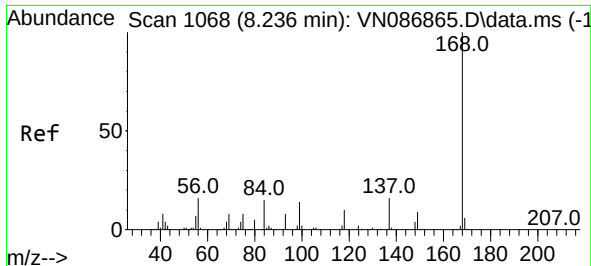
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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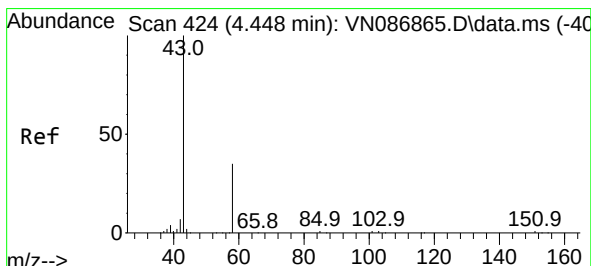
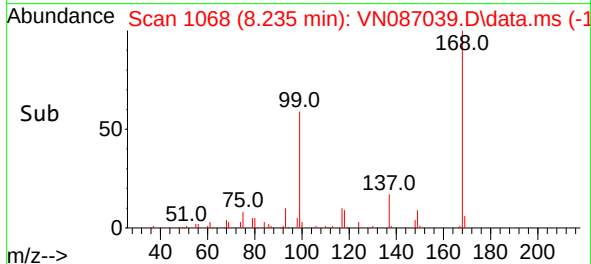
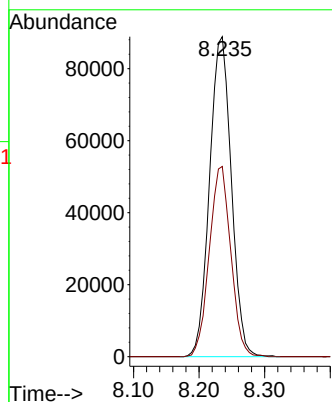
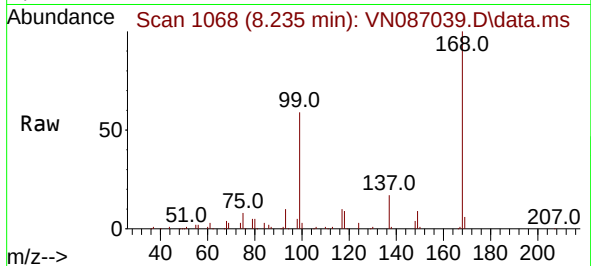




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN087039.D
Acq: 16 Jun 2025 18:02

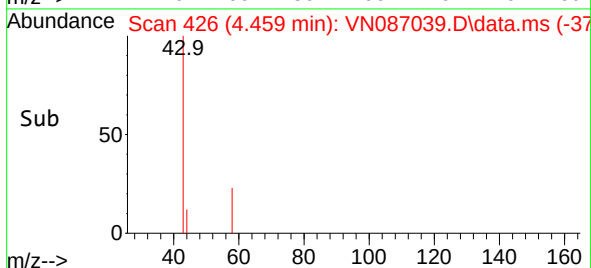
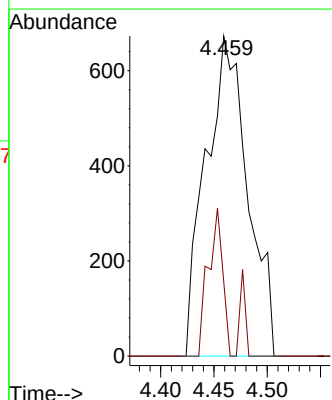
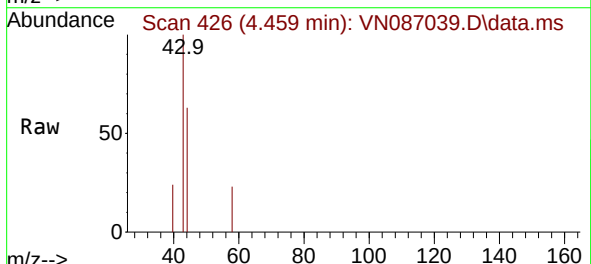
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20250611

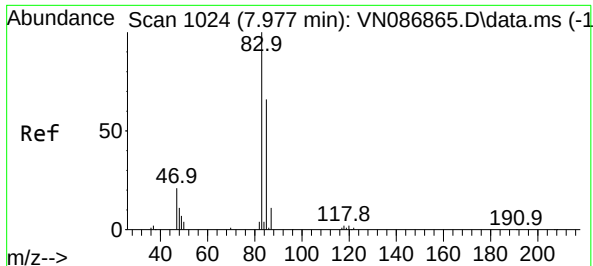
Tgt Ion:168 Resp: 205063
Ion Ratio Lower Upper
168 100
99 59.5 49.1 73.7



#16
Acetone
Concen: 1.268 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN087039.D
Acq: 16 Jun 2025 18:02

Tgt Ion: 43 Resp: 1846
Ion Ratio Lower Upper
43 100
58 23.3 28.0 42.0#





#30

Chloroform

Concen: 0.432 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.006 min

Lab File: VN087039.D

Acq: 16 Jun 2025 18:02

Instrument :

MSVOA_N

ClientSampleId :

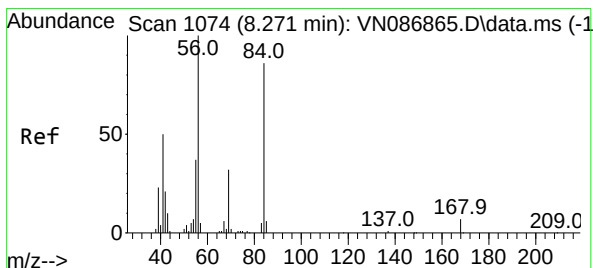
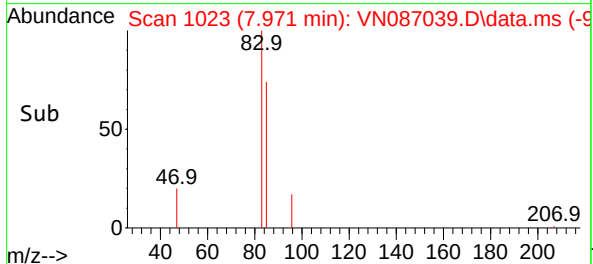
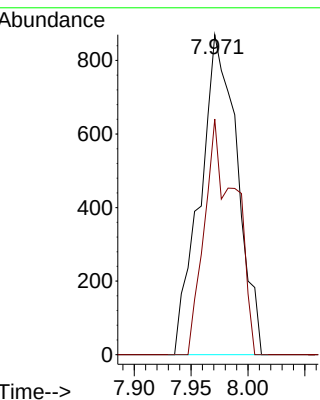
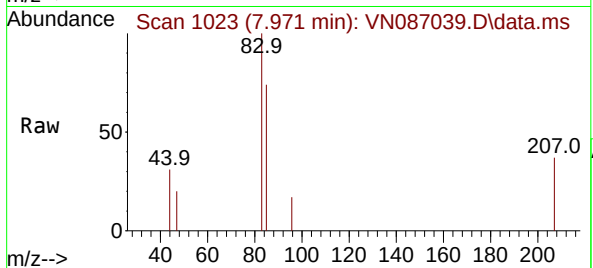
RE134D1-20250611

Tgt Ion: 83 Resp: 1982

Ion Ratio Lower Upper

83 100

85 73.7 52.9 79.3



#31

Cyclohexane

Concen: 0.845 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.047 min

Lab File: VN087039.D

Acq: 16 Jun 2025 18:02

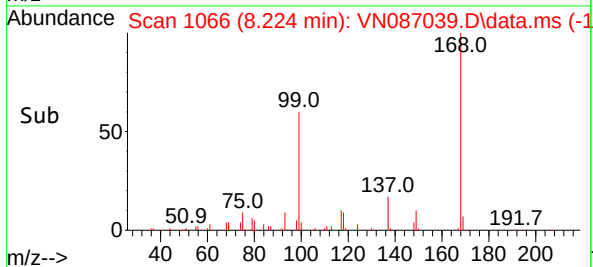
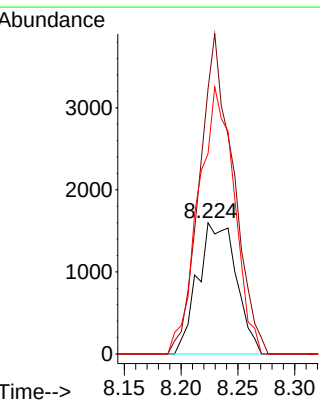
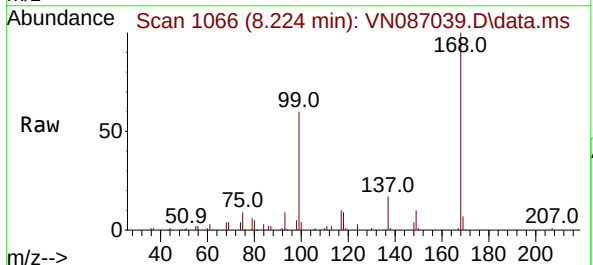
Tgt Ion: 56 Resp: 3764

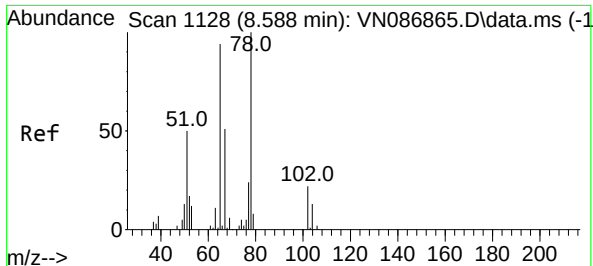
Ion Ratio Lower Upper

56 100

69 202.0 25.4 38.0#

84 152.7 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 53.645 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087039.D

Acq: 16 Jun 2025 18:02

Instrument :

MSVOA_N

ClientSampleId :

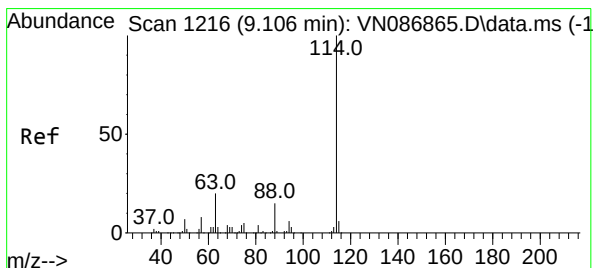
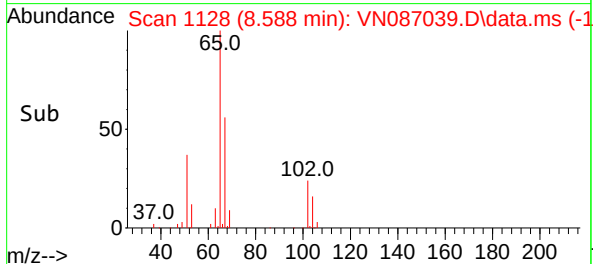
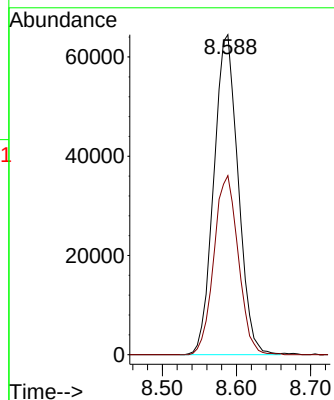
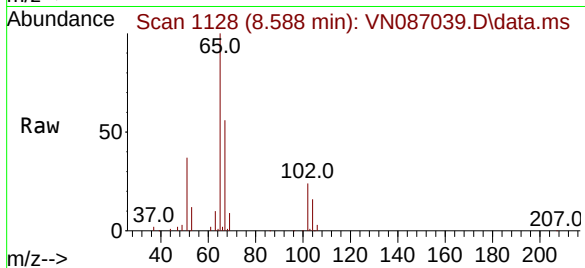
RE134D1-20250611

Tgt Ion: 65 Resp: 147287

Ion Ratio Lower Upper

65 100

67 56.0 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: VN087039.D

Acq: 16 Jun 2025 18:02

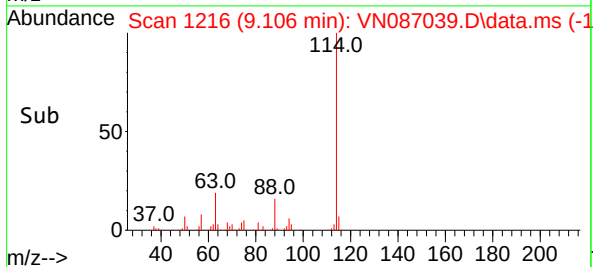
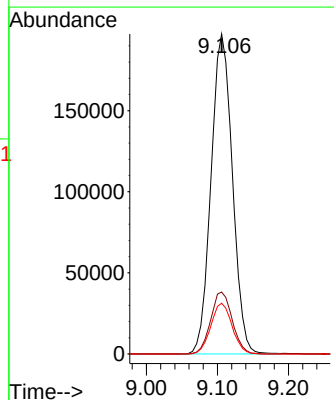
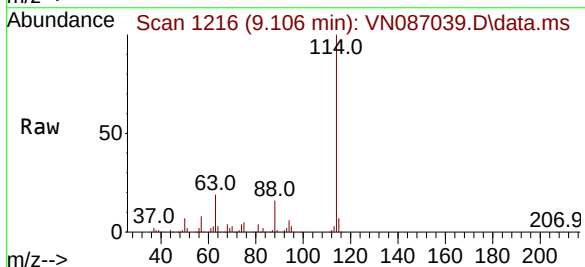
Tgt Ion: 114 Resp: 411667

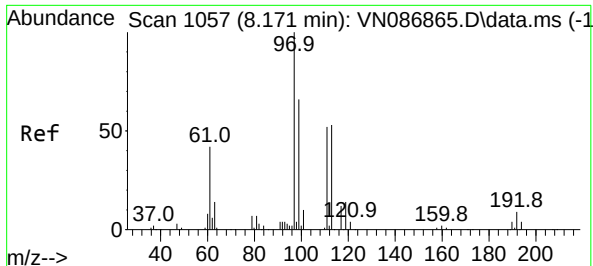
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 15.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.017 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN087039.D

Acq: 16 Jun 2025 18:02

Instrument :

MSVOA_N

ClientSampleId :

RE134D1-20250611

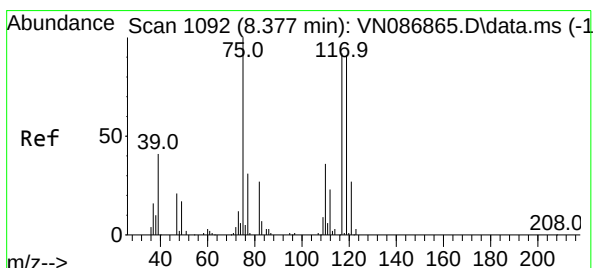
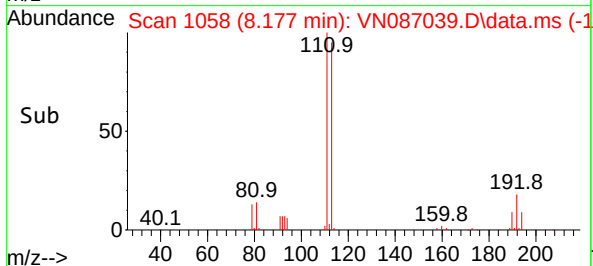
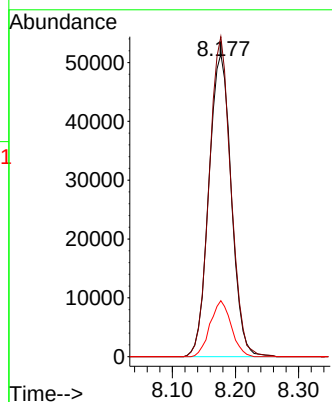
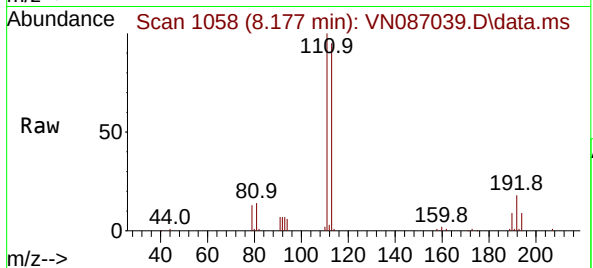
Tgt Ion:113 Resp: 126902

Ion Ratio Lower Upper

113 100

111 102.4 84.2 126.2

192 17.4 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.293 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN087039.D

Acq: 16 Jun 2025 18:02

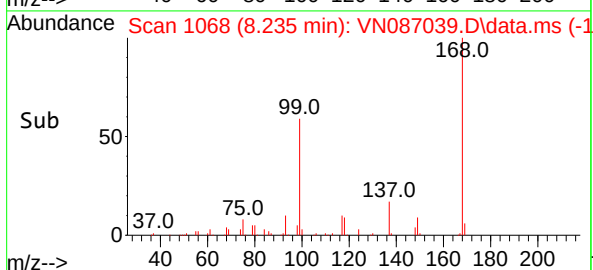
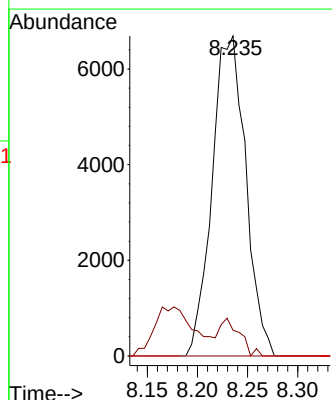
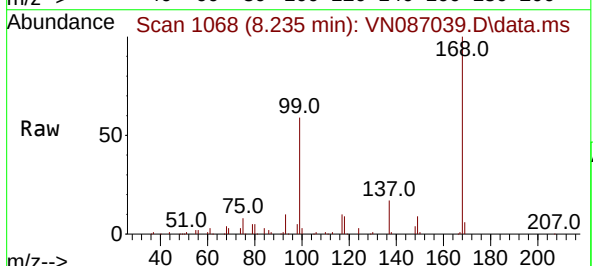
Tgt Ion: 75 Resp: 15605

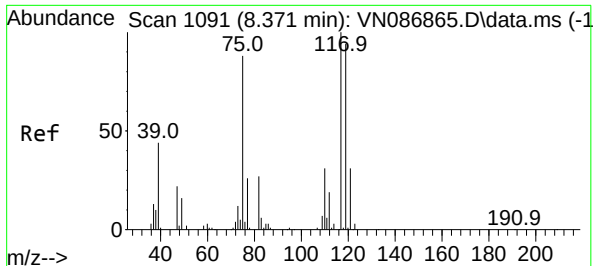
Ion Ratio Lower Upper

75 100

110 6.9 17.6 52.9#

77 0.0 25.3 37.9#

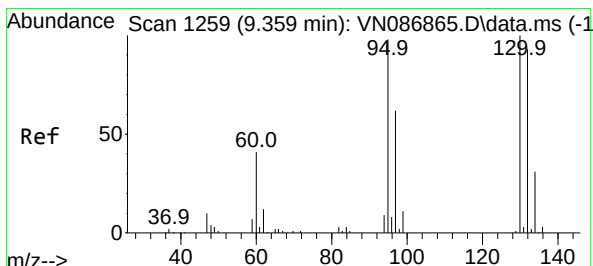
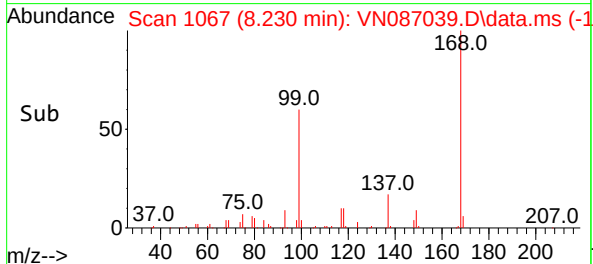
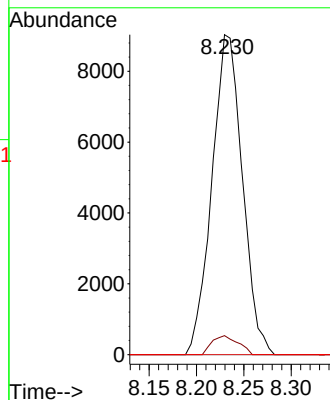
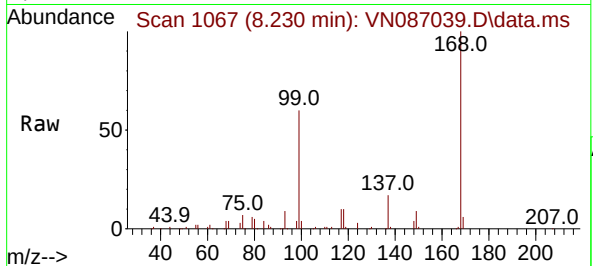




#38
Carbon Tetrachloride
Concen: 5.665 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN087039.D
Acq: 16 Jun 2025 18:02

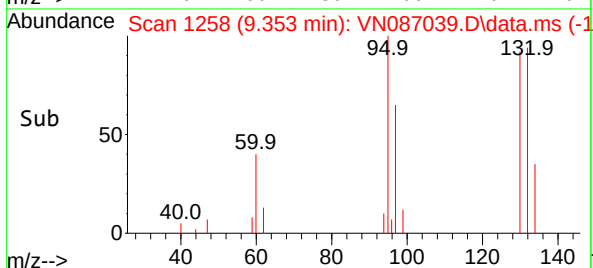
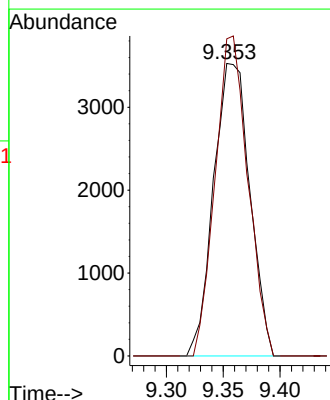
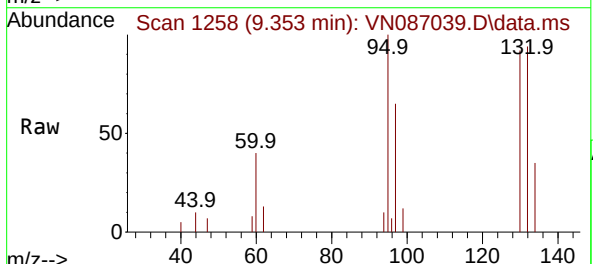
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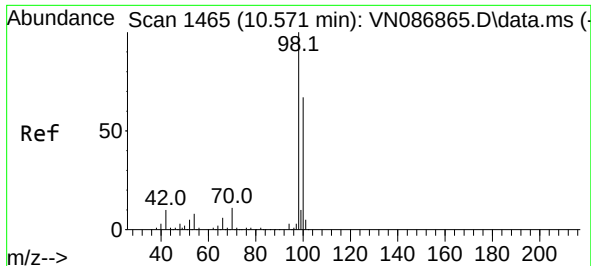
Tgt Ion:117 Resp: 20219
Ion Ratio Lower Upper
117 100
119 6.0 75.0 112.6#
121 0.0 24.9 37.3#



#44
Trichloroethene
Concen: 2.775 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VN087039.D
Acq: 16 Jun 2025 18:02

Tgt Ion:130 Resp: 7823
Ion Ratio Lower Upper
130 100
95 108.4 0.0 196.2

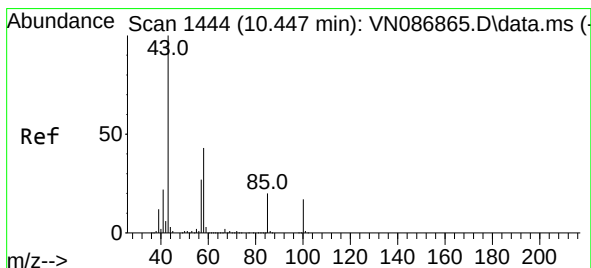
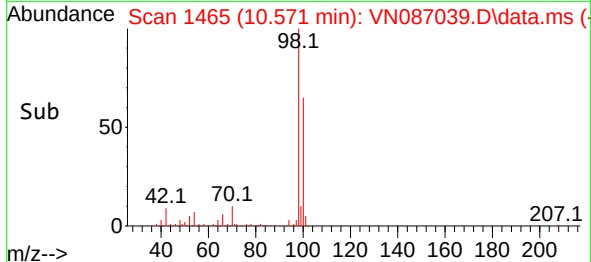
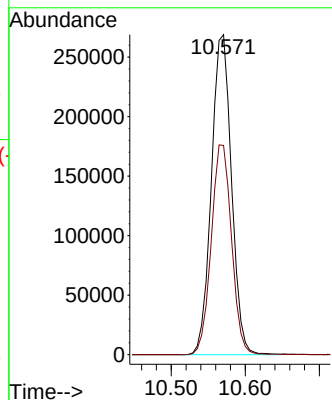
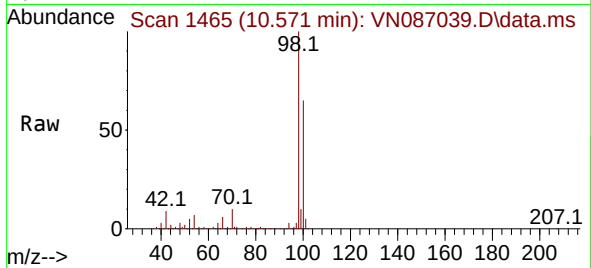




#50
Toluene-d8
Concen: 52.425 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087039.D
Acq: 16 Jun 2025 18:02

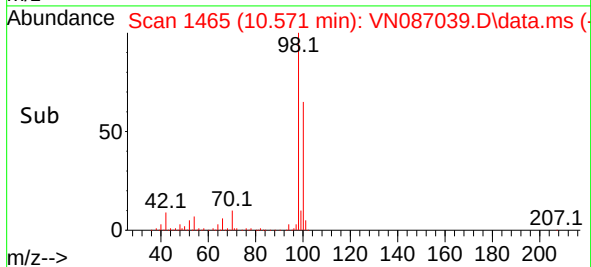
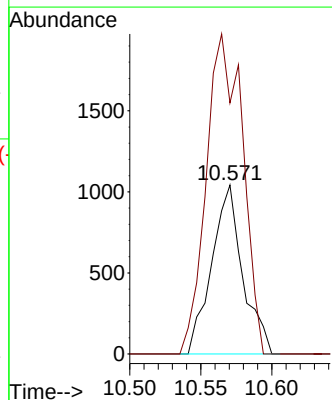
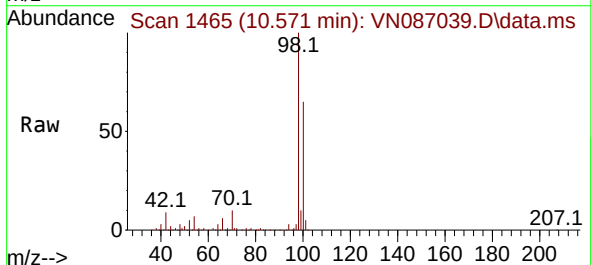
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RE134D1-20250611

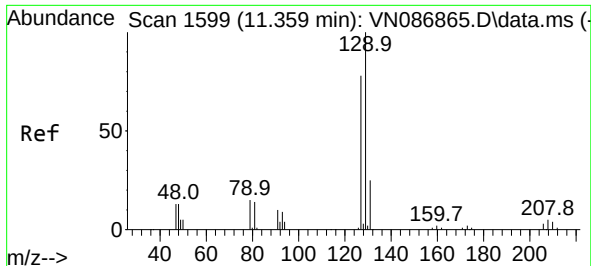
Tgt Ion: 98 Resp: 506312
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.354 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN087039.D
Acq: 16 Jun 2025 18:02

Tgt Ion: 43 Resp: 1581
Ion Ratio Lower Upper
43 100
58 222.0 34.2 51.4#

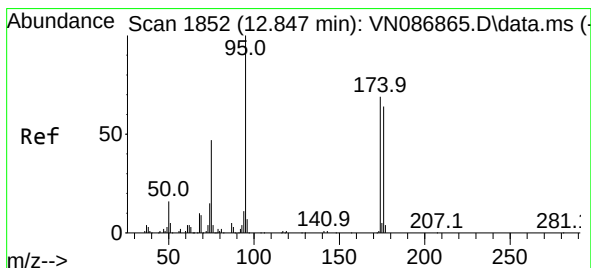
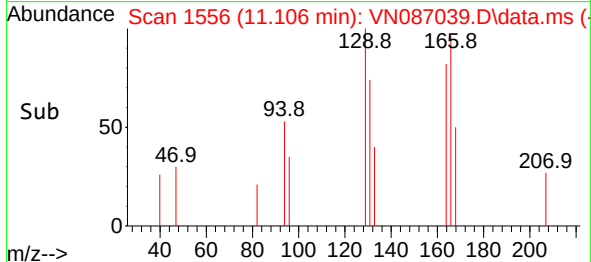
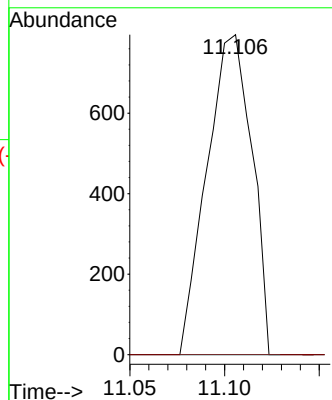
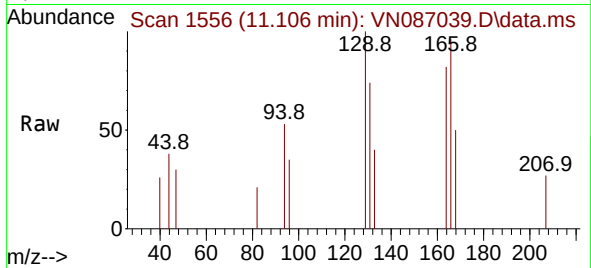




#60
Dibromochloromethane
Concen: 0.450 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN087039.D
Acq: 16 Jun 2025 18:02

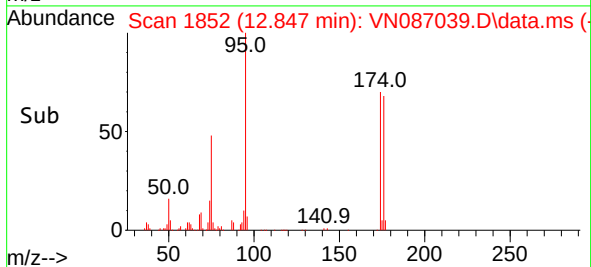
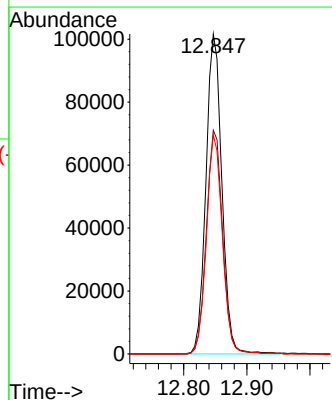
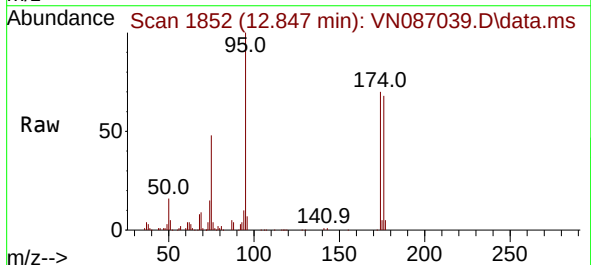
Instrument :
MSVOA_N
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RE134D1-20250611

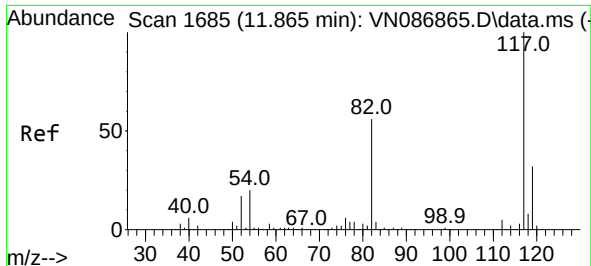
Tgt Ion:129 Resp: 1312
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 49.621 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087039.D
Acq: 16 Jun 2025 18:02

Tgt Ion: 95 Resp: 178049
Ion Ratio Lower Upper
95 100
174 71.7 0.0 141.8
176 68.4 0.0 132.6

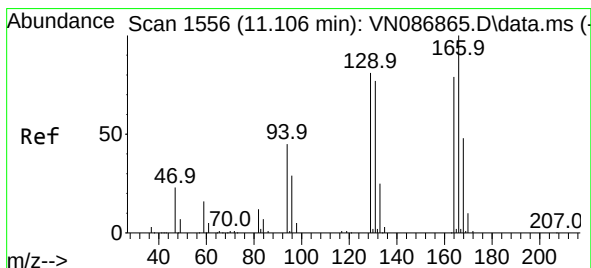
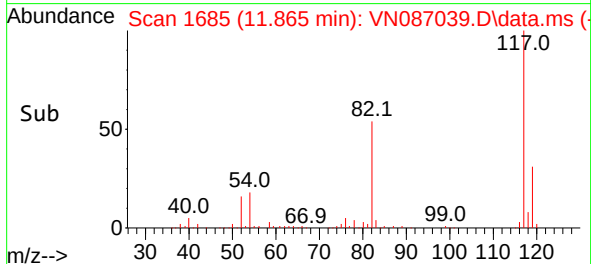
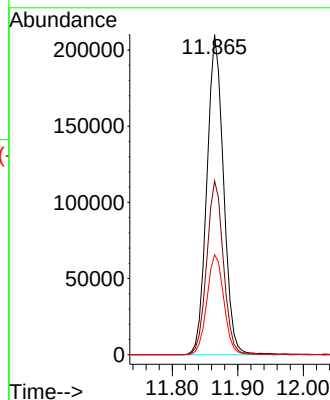
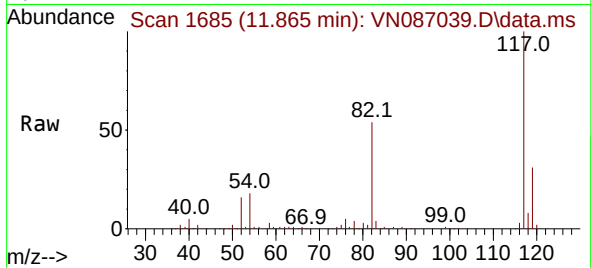




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087039.D
Acq: 16 Jun 2025 18:02

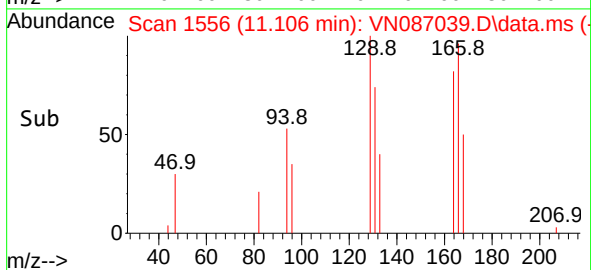
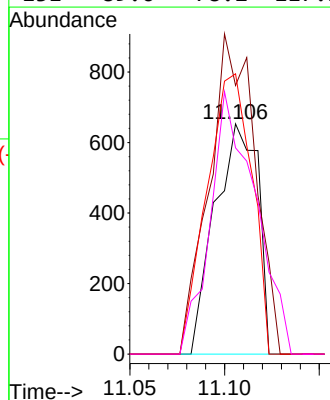
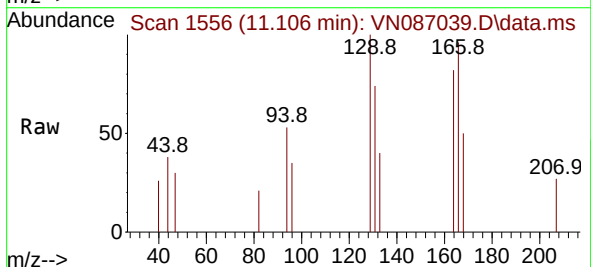
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20250611

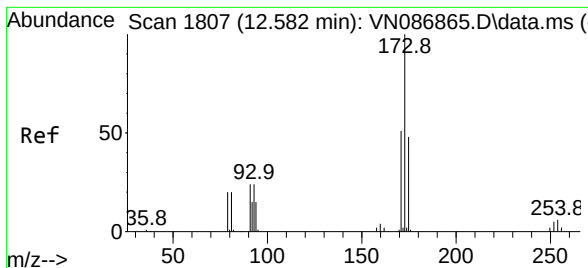
Tgt Ion:117 Resp: 371283
Ion Ratio Lower Upper
117 100
82 54.3 44.6 67.0
119 31.2 25.5 38.3



#64
Tetrachloroethene
Concen: 0.437 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN087039.D
Acq: 16 Jun 2025 18:02

Tgt Ion:164 Resp: 1026
Ion Ratio Lower Upper
164 100
166 116.7 101.8 152.8
129 121.7 83.0 124.4
131 89.6 78.2 117.2





#71

Bromoform

Concen: 0.208 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.259 min

Lab File: VN087039.D

Acq: 16 Jun 2025 18:02

Instrument :

MSVOA_N

ClientSampleId :

RE134D1-20250611

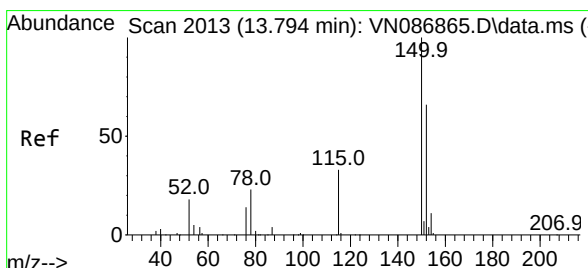
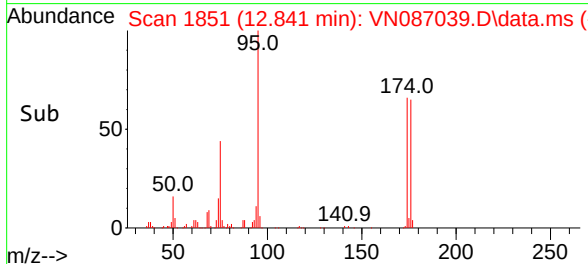
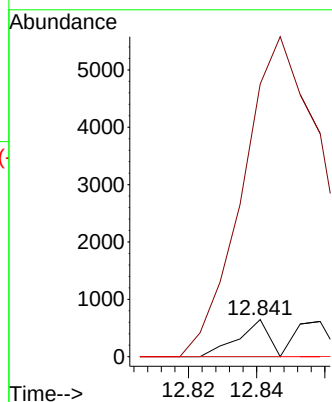
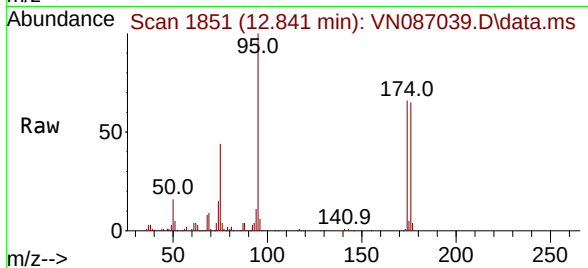
Tgt Ion:173 Resp: 405

Ion Ratio Lower Upper

173 100

175 2018.0 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# 2012

Delta R.T. -0.006 min

Lab File: VN087039.D

Acq: 16 Jun 2025 18:02

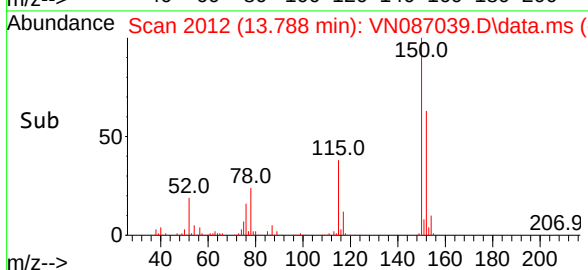
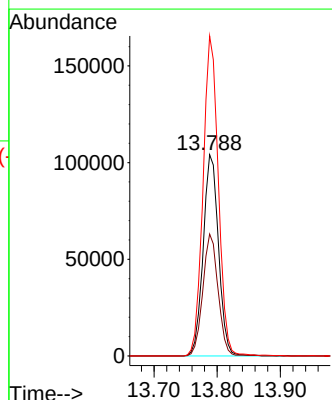
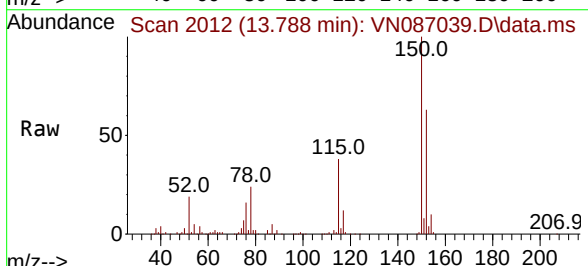
Tgt Ion:152 Resp: 176304

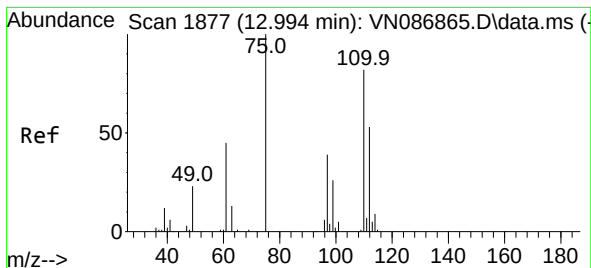
Ion Ratio Lower Upper

152 100

115 60.1 30.1 90.5

150 158.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.841 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087039.D

Acq: 16 Jun 2025 18:02

Instrument :

MSVOA_N

ClientSampleId :

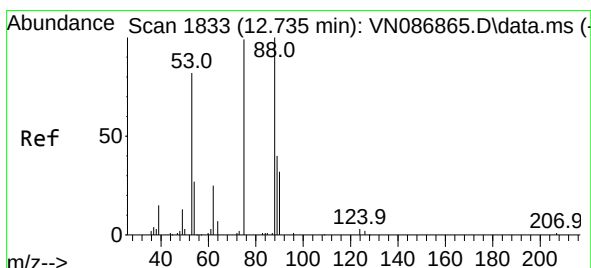
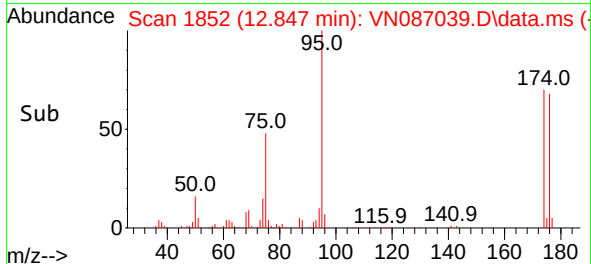
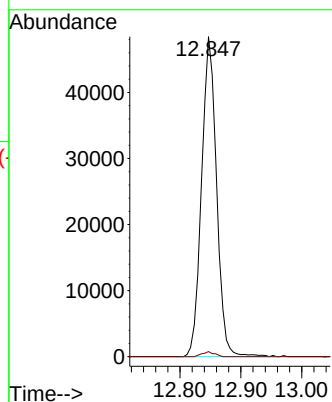
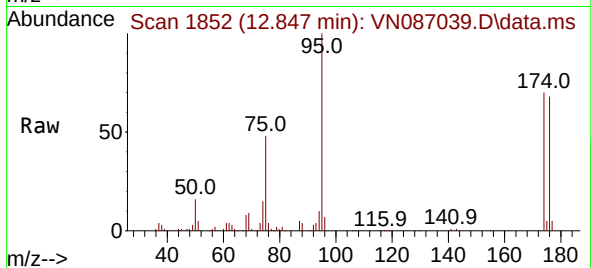
RE134D1-20250611

Tgt Ion: 75 Resp: 83148

Ion Ratio Lower Upper

75 100

77 1.3 79.3 237.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 45.672 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN087039.D

Acq: 16 Jun 2025 18:02

Tgt Ion: 75 Resp: 83148

Ion Ratio Lower Upper

75 100

53 0.0 66.6 99.8#

89 0.0 36.7 55.1#

