

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
 Data File : VN087055.D
 Acq On : 17 Jun 2025 13:39
 Operator : JC\MD
 Sample : Q2299-17DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D3-20250610DL

Quant Time: Jun 18 01:47:28 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)

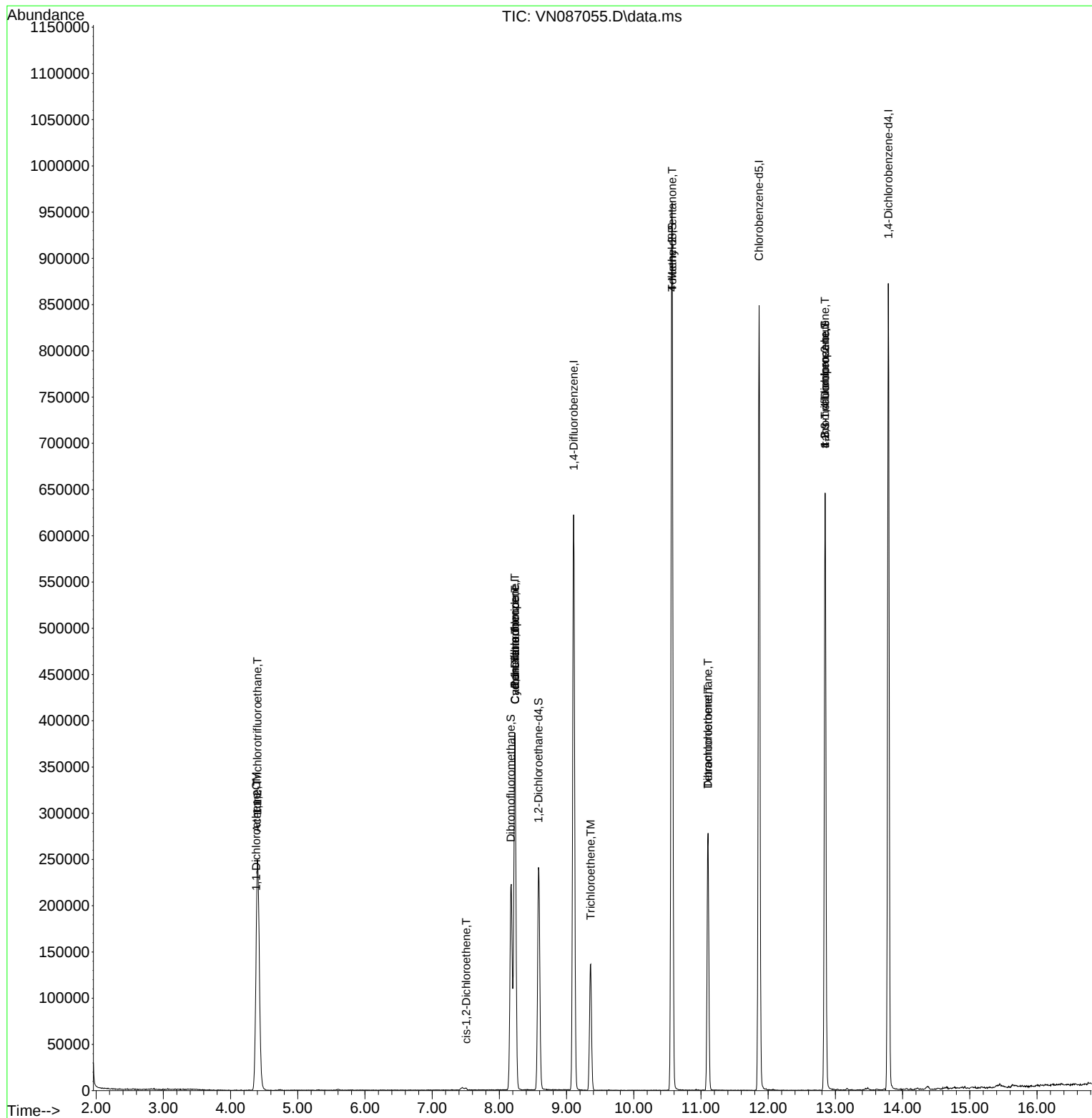
Internal Standards						
1) Pentafluorobenzene	8.230	168	309321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	598780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	533505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	255285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	198501	47.930	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.860%		
35) Dibromofluoromethane	8.171	113	176254	49.670	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.340%		
50) Toluene-d8	10.571	98	729652	51.941	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.880%		
62) 4-Bromofluorobenzene	12.847	95	260591	49.930	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.860%		
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	4.400	101	197130	58.456	ug/l	98
12) 1,1-Dichloroethene	4.383	96	1242	0.361	ug/l #	84
16) Acetone	4.395	43	1818	0.828	ug/l #	22
27) cis-1,2-Dichloroethene	7.506	96	1555	0.339	ug/l	81
31) Cyclohexane	8.235	56	4639	0.691	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	22042	4.169	ug/l #	48
38) Carbon Tetrachloride	8.235	117	29638	5.709	ug/l #	17
44) Trichloroethene	9.359	130	55375	13.506	ug/l	93
51) 4-Methyl-2-Pentanone	10.571	43	2269	0.349	ug/l #	1
60) Dibromochloromethane	11.106	129	67139	15.849	ug/l #	11
64) Tetrachloroethene	11.106	164	70237	20.803	ug/l	94
76) 1,2,3-Trichloropropane	12.847	75	116140	19.139	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	116140	44.057	ug/l #	16

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

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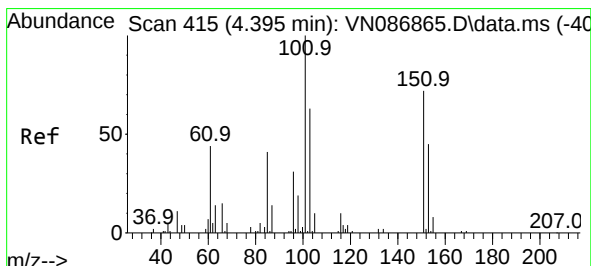
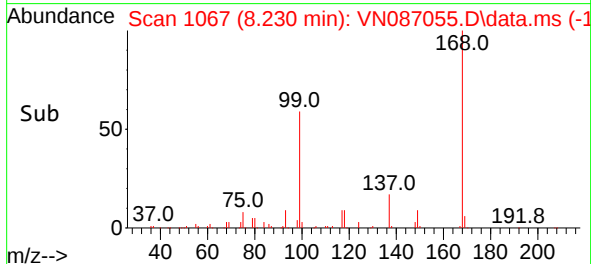
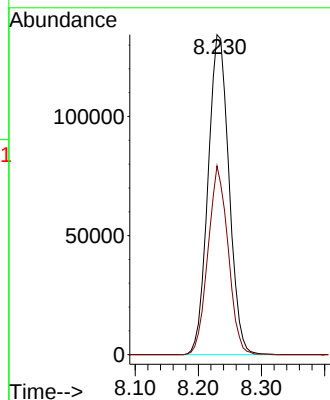
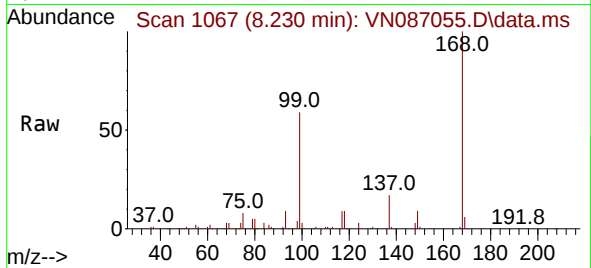




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087055.D
Acq: 17 Jun 2025 13:39

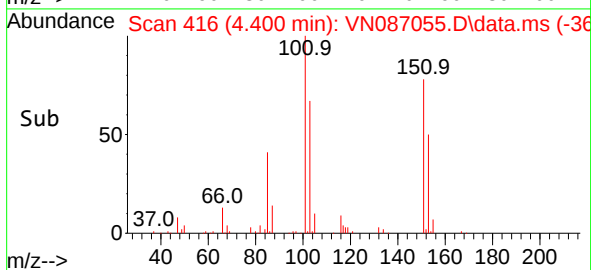
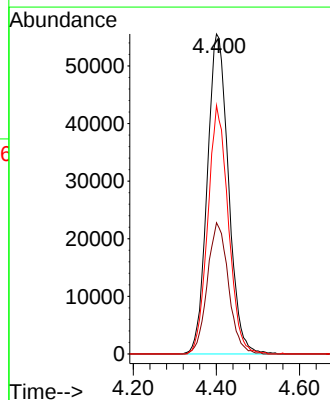
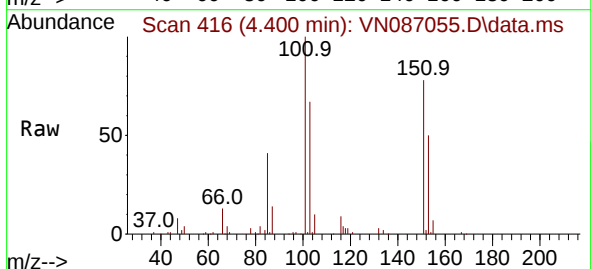
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20250610DL

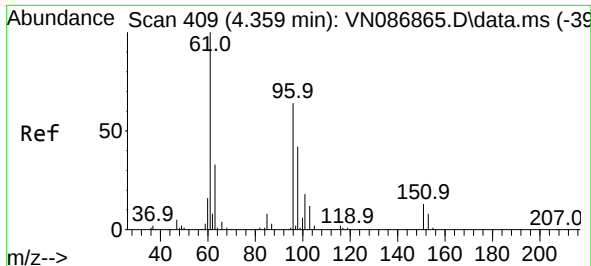
Tgt Ion:168 Resp: 309321
Ion Ratio Lower Upper
168 100
99 59.0 49.1 73.7



#9
1,1,2-Trichlorotrifluoroethane
Concen: 58.456 ug/l
RT: 4.400 min Scan# 416
Delta R.T. 0.006 min
Lab File: VN087055.D
Acq: 17 Jun 2025 13:39

Tgt Ion:101 Resp: 197130
Ion Ratio Lower Upper
101 100
85 40.8 33.8 50.8
151 74.9 58.7 88.1

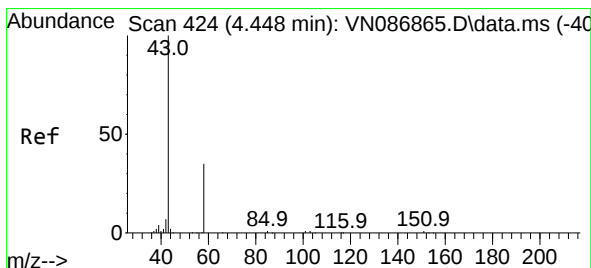
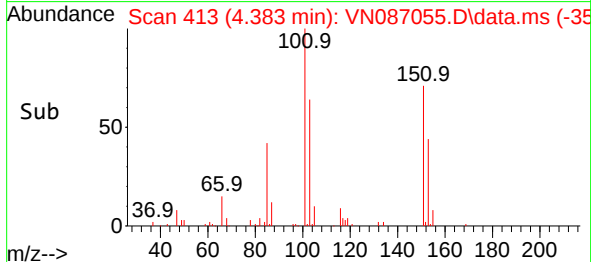
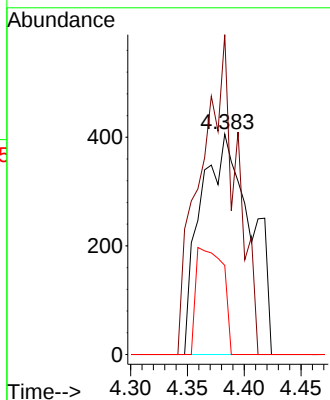
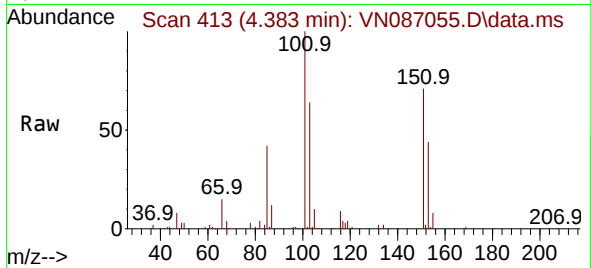




#12
1,1-Dichloroethene
Concen: 0.361 ug/l
RT: 4.383 min Scan# 411
Delta R.T. 0.023 min
Lab File: VN087055.D
Acq: 17 Jun 2025 13:39

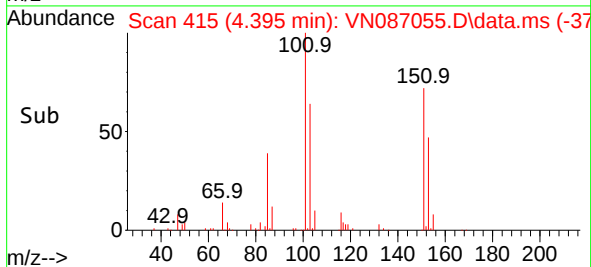
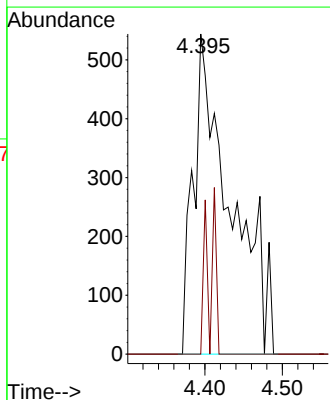
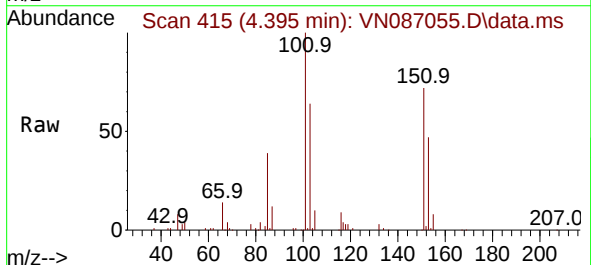
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20250610DL

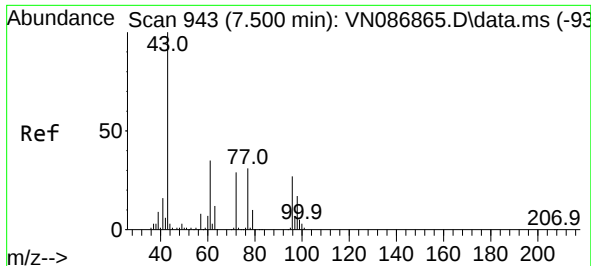
Tgt Ion: 96 Resp: 1242
Ion Ratio Lower Upper
96 100
61 145.1 125.8 188.6
98 40.4 52.5 78.7#



#16
Acetone
Concen: 0.828 ug/l
RT: 4.395 min Scan# 415
Delta R.T. -0.053 min
Lab File: VN087055.D
Acq: 17 Jun 2025 13:39

Tgt Ion: 43 Resp: 1818
Ion Ratio Lower Upper
43 100
58 80.5 28.0 42.0#

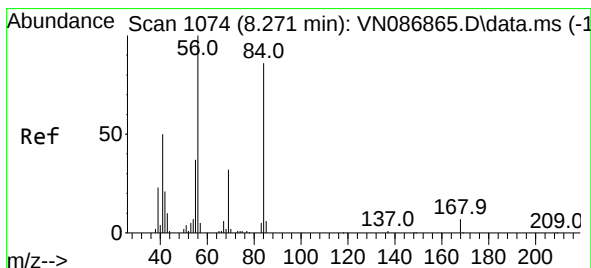
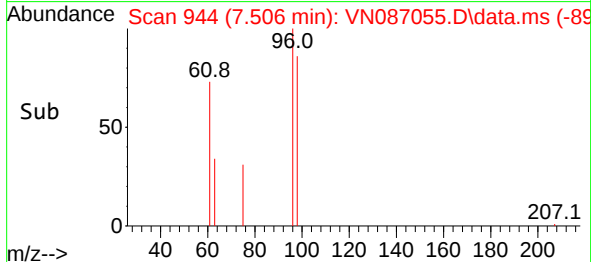
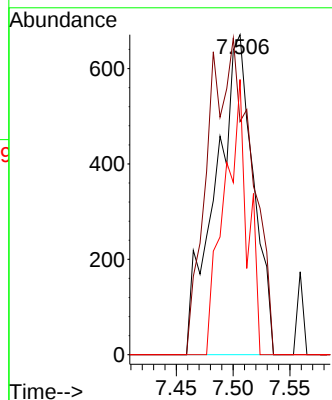
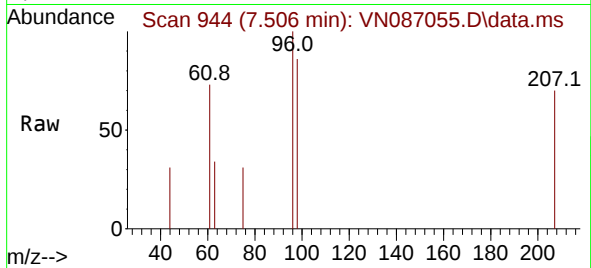




#27
 cis-1,2-Dichloroethene
 Concen: 0.339 ug/l
 RT: 7.506 min Scan# 94
 Delta R.T. 0.006 min
 Lab File: VN087055.D
 Acq: 17 Jun 2025 13:39

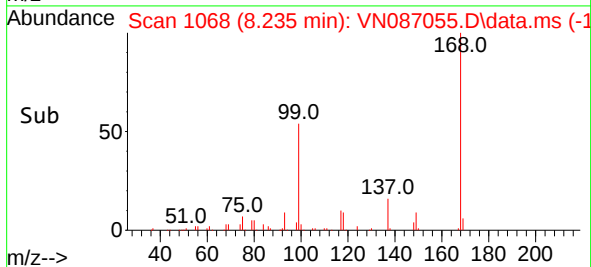
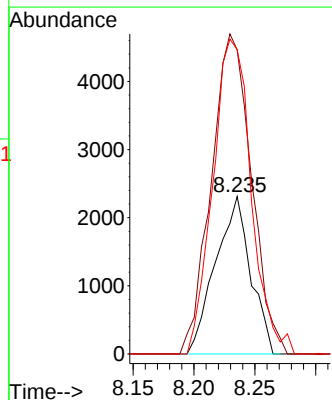
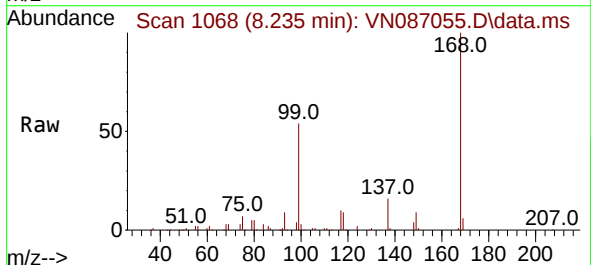
Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D3-20250610DL

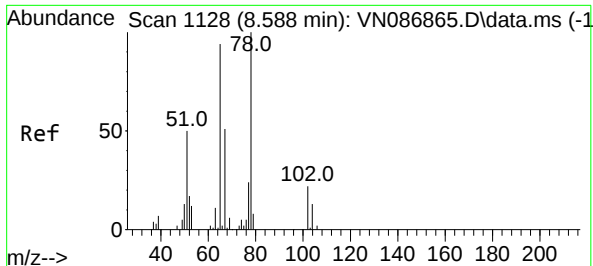
Tgt Ion: 96 Resp: 1555
 Ion Ratio Lower Upper
 96 100
 61 113.8 0.0 278.0
 98 52.7 0.0 128.2



#31
 Cyclohexane
 Concen: 0.691 ug/l
 RT: 8.235 min Scan# 1068
 Delta R.T. -0.035 min
 Lab File: VN087055.D
 Acq: 17 Jun 2025 13:39

Tgt Ion: 56 Resp: 4639
 Ion Ratio Lower Upper
 56 100
 69 193.1 25.4 38.0#
 84 193.2 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 47.930 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN087055.D

Acq: 17 Jun 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

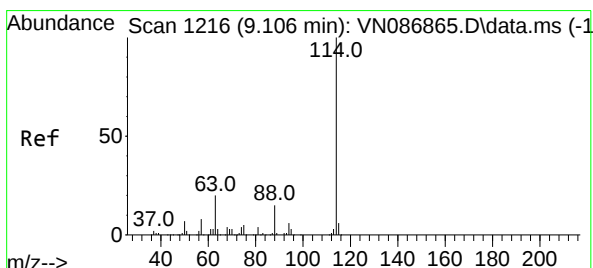
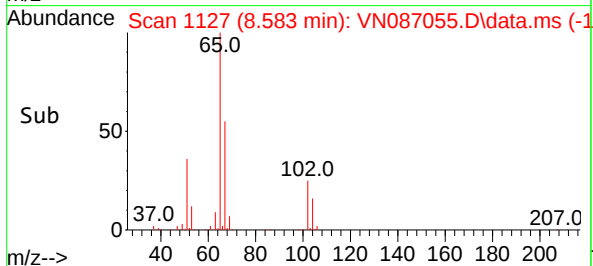
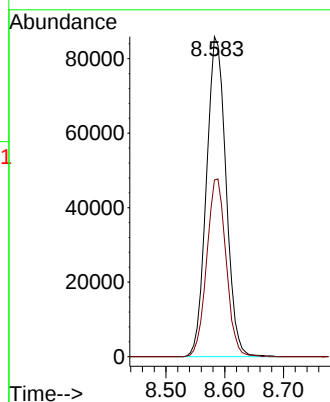
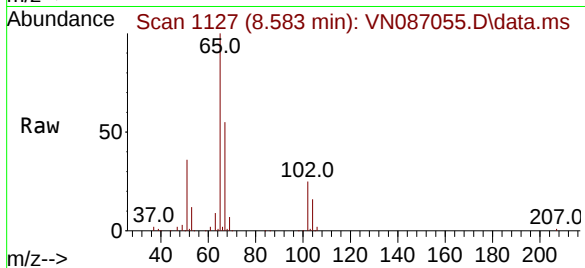
RE134D3-20250610DL

Tgt Ion: 65 Resp: 198501

Ion Ratio Lower Upper

65 100

67 55.1 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: VN087055.D

Acq: 17 Jun 2025 13:39

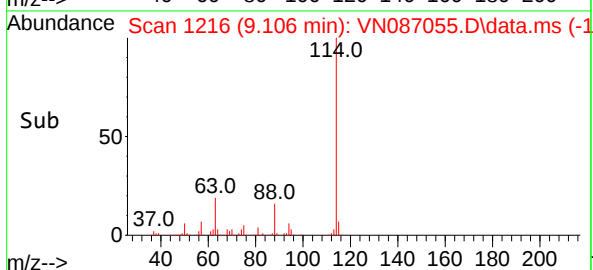
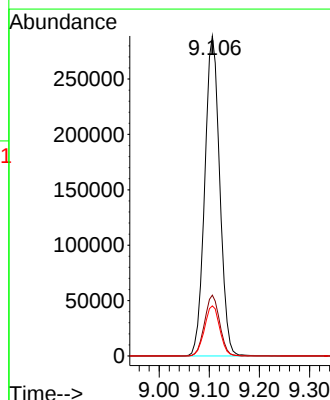
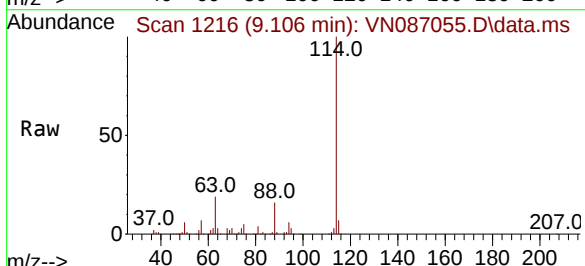
Tgt Ion: 114 Resp: 598780

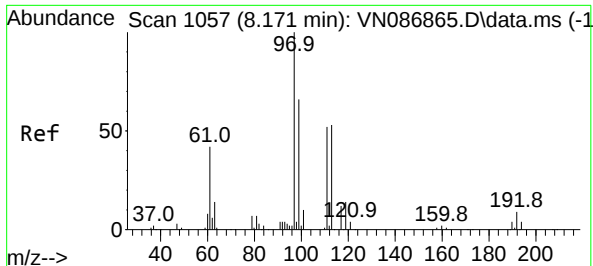
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.670 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087055.D

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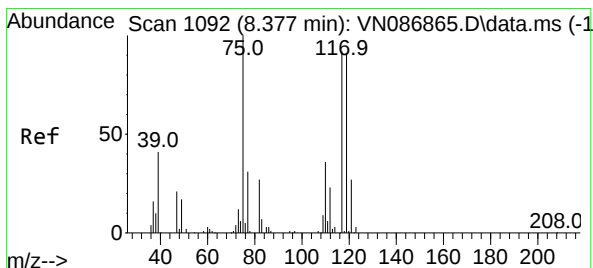
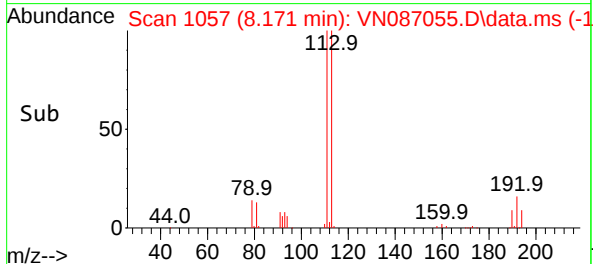
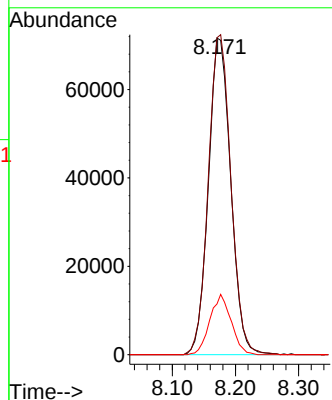
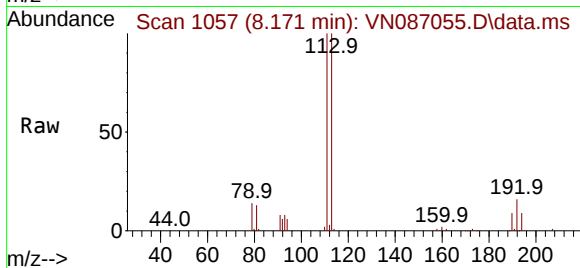
Tgt Ion:113 Resp: 176254

Ion Ratio Lower Upper

113 100

111 102.1 84.2 126.2

192 18.1 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.169 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087055.D

Acq: 17 Jun 2025 13:39

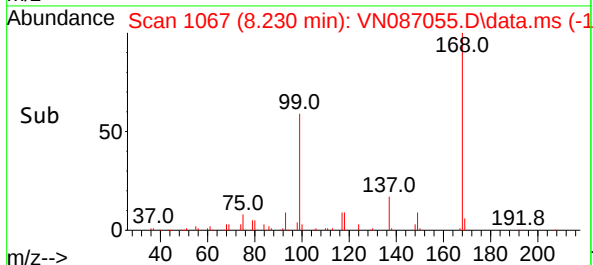
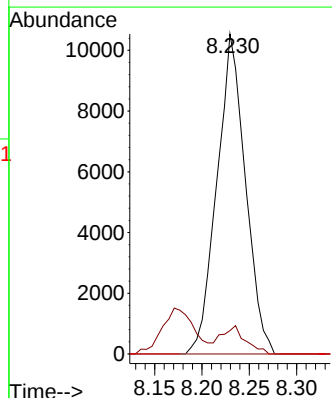
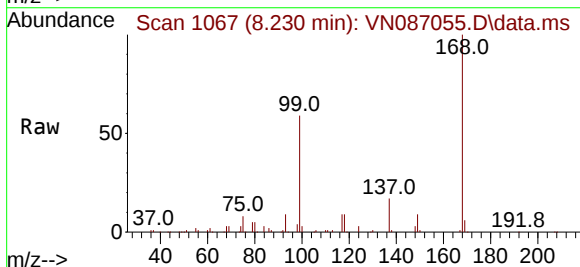
Tgt Ion: 75 Resp: 22042

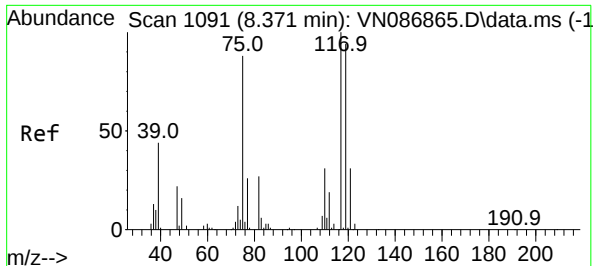
Ion Ratio Lower Upper

75 100

110 7.3 17.6 52.9#

77 0.0 25.3 37.9#

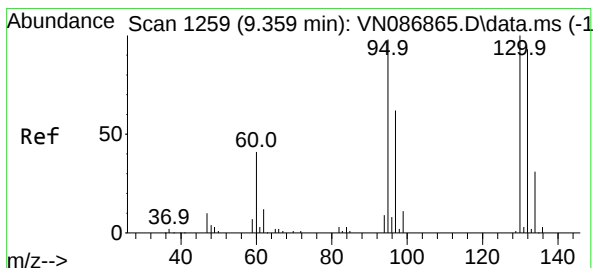
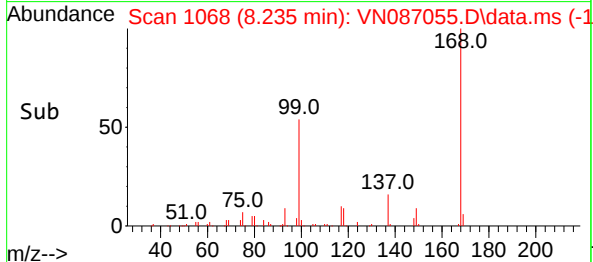
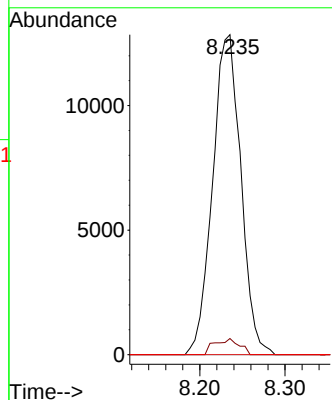
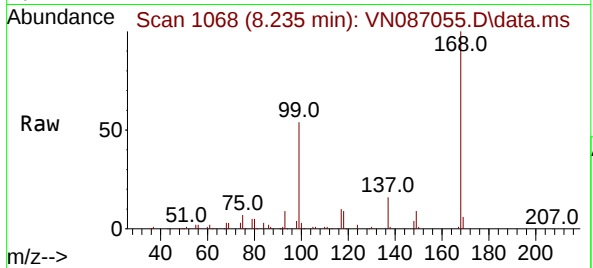




#38
Carbon Tetrachloride
Concen: 5.709 ug/l
RT: 8.235 min Scan# 1091
Delta R.T. -0.135 min
Lab File: VN087055.D
Acq: 17 Jun 2025 13:39

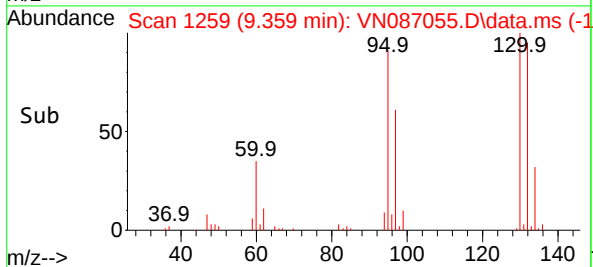
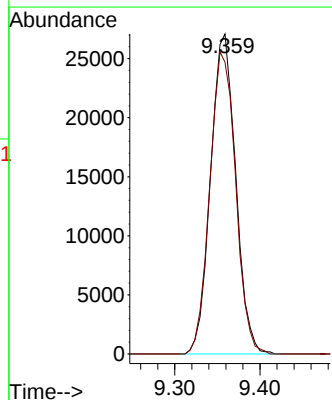
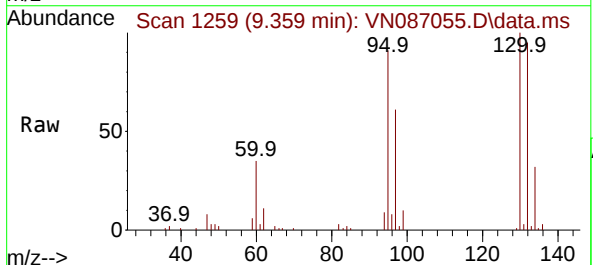
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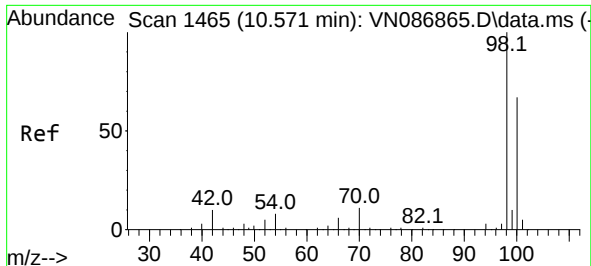
Tgt Ion:117 Resp: 29638
Ion Ratio Lower Upper
117 100
119 5.1 75.0 112.6#
121 0.0 24.9 37.3#



#44
Trichloroethene
Concen: 13.506 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN087055.D
Acq: 17 Jun 2025 13:39

Tgt Ion:130 Resp: 55375
Ion Ratio Lower Upper
130 100
95 91.1 0.0 196.2

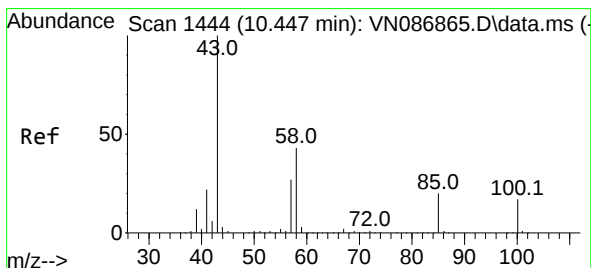
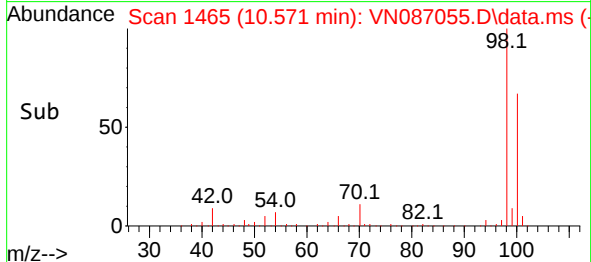
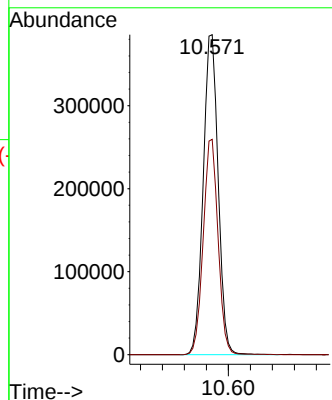
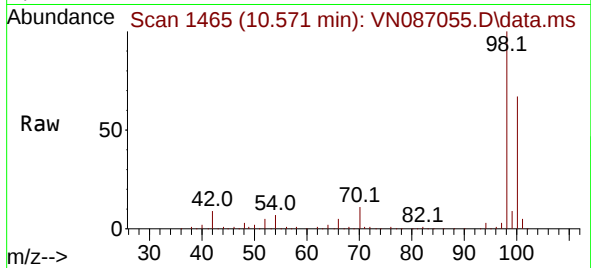




#50
Toluene-d8
Concen: 51.941 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087055.D
Acq: 17 Jun 2025 13:39

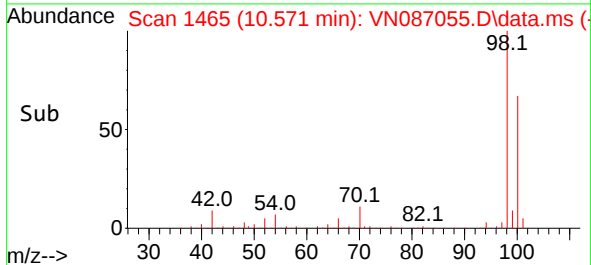
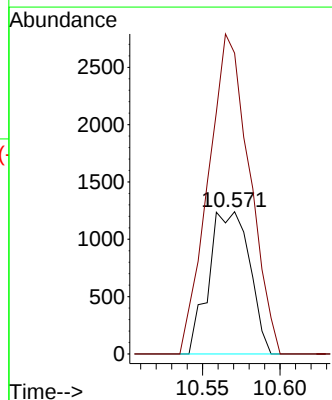
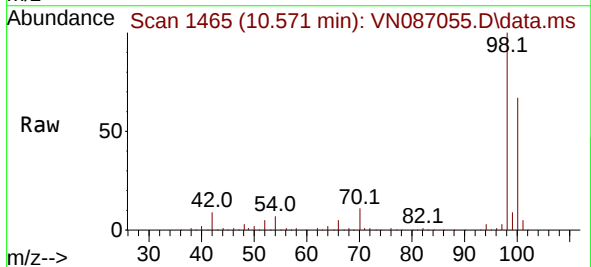
Instrument :
MSVOA_N
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RE134D3-20250610DL

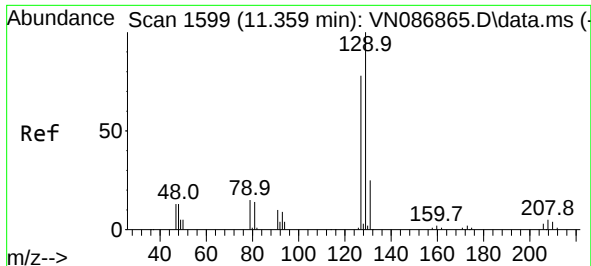
Tgt Ion: 98 Resp: 729652
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.349 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN087055.D
Acq: 17 Jun 2025 13:39

Tgt Ion: 43 Resp: 2269
Ion Ratio Lower Upper
43 100
58 227.1 34.2 51.4#

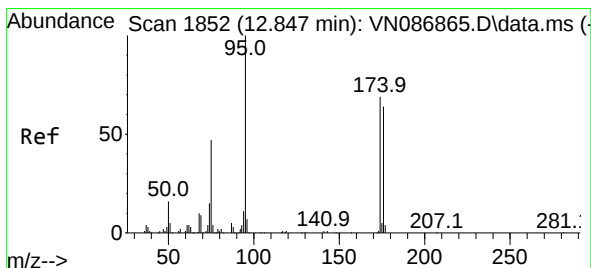
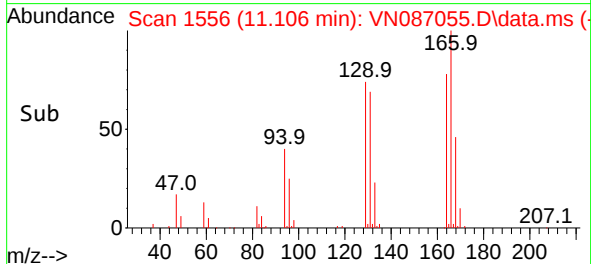
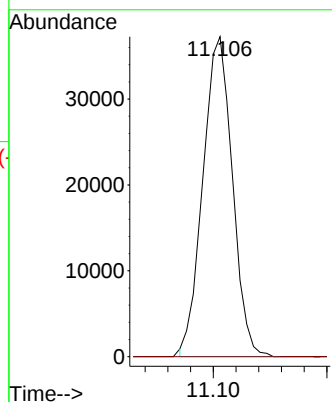
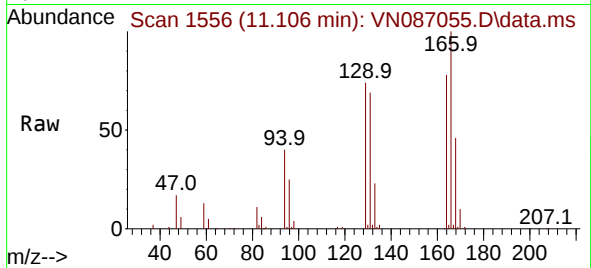




#60
Dibromochloromethane
Concen: 15.849 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN087055.D
Acq: 17 Jun 2025 13:39

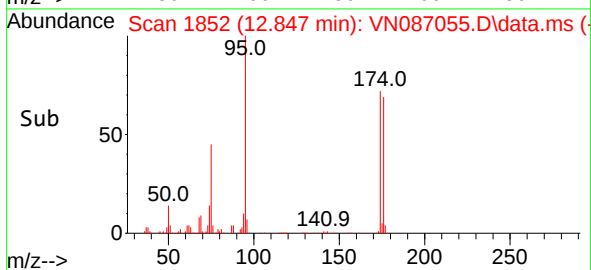
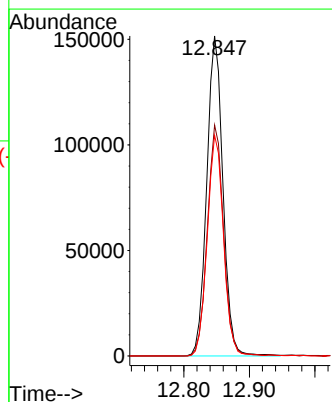
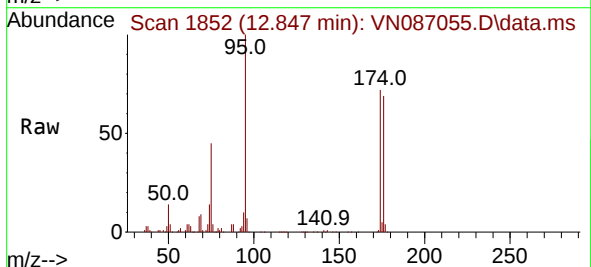
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20250610DL

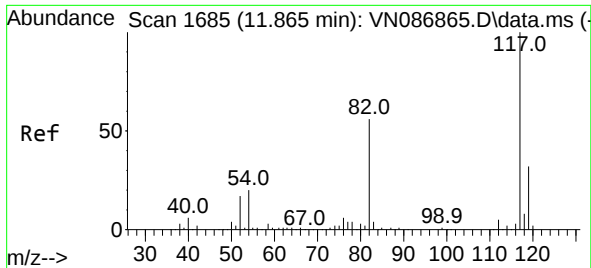
Tgt Ion:129 Resp: 67139
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 49.930 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087055.D
Acq: 17 Jun 2025 13:39

Tgt Ion: 95 Resp: 260591
Ion Ratio Lower Upper
95 100
174 72.6 0.0 141.8
176 69.2 0.0 132.6

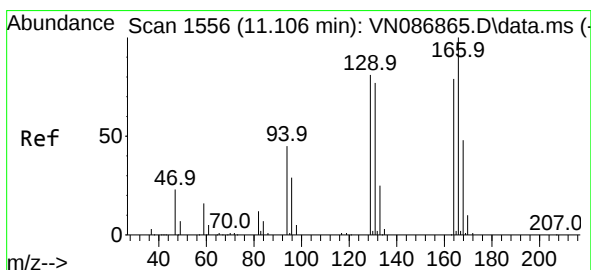
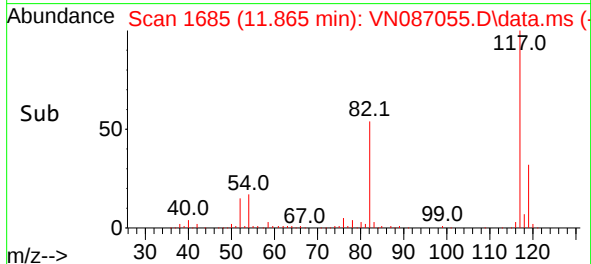
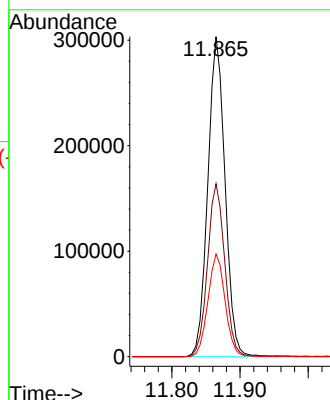
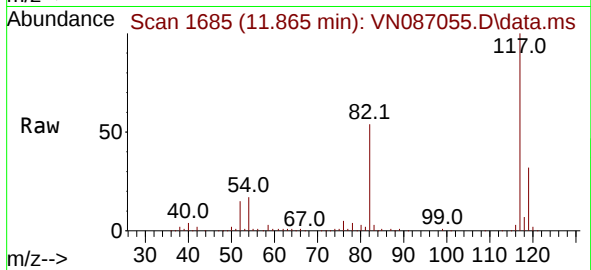




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087055.D
Acq: 17 Jun 2025 13:39

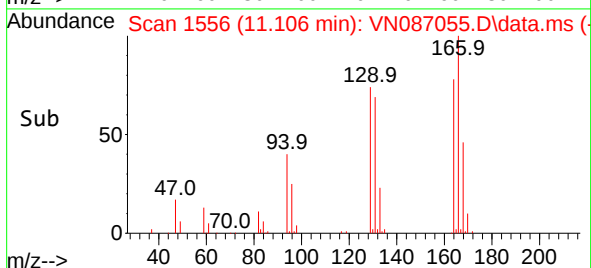
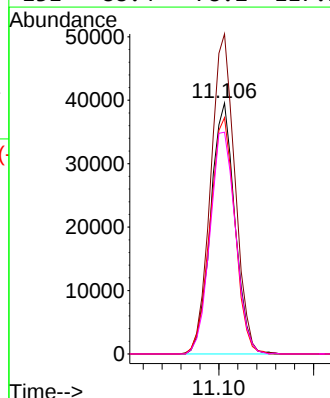
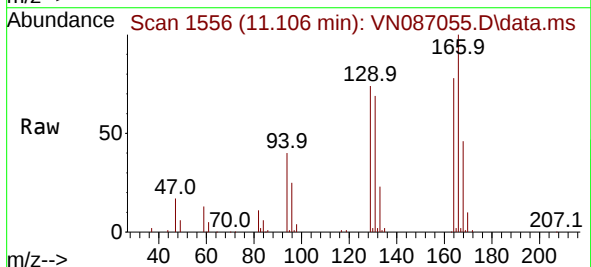
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20250610DL

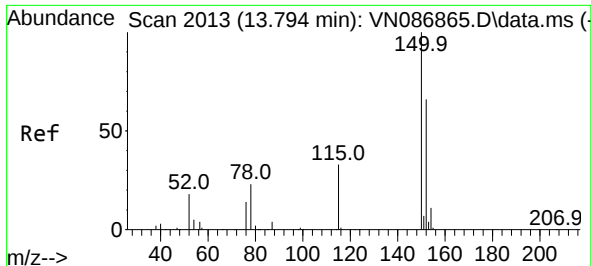
Tgt Ion:117 Resp: 533505
Ion Ratio Lower Upper
117 100
82 54.1 44.6 67.0
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 20.803 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN087055.D
Acq: 17 Jun 2025 13:39

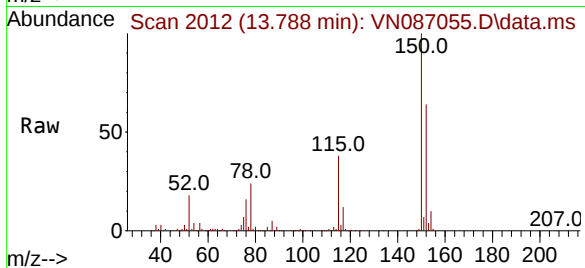
Tgt Ion:164 Resp: 70237
Ion Ratio Lower Upper
164 100
166 127.5 101.8 152.8
129 94.2 83.0 124.4
131 88.4 78.2 117.2



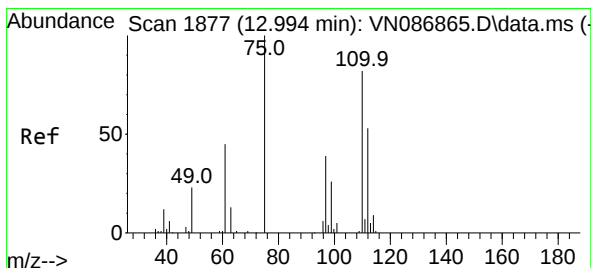
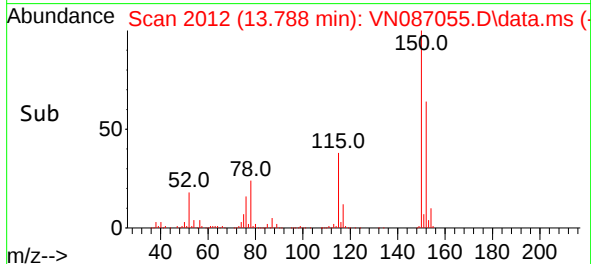
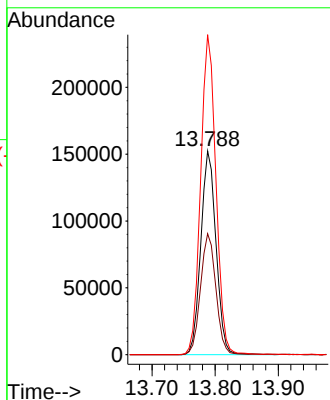


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN087055.D
Acq: 17 Jun 2025 13:39

Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20250610DL

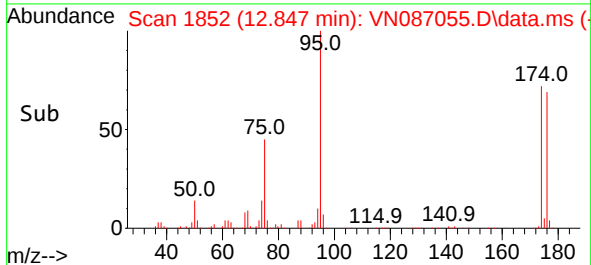
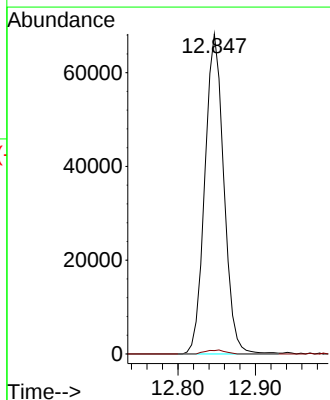
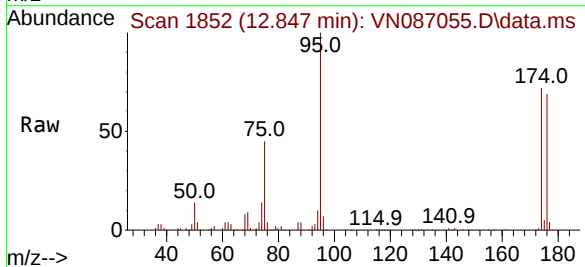


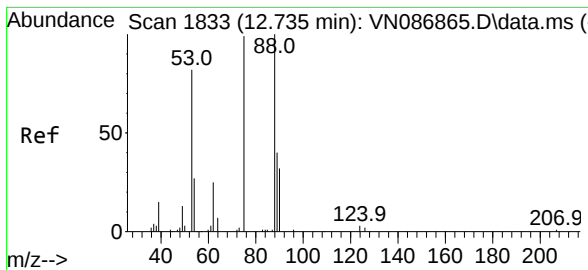
Tgt Ion:152 Resp: 255285
Ion Ratio Lower Upper
152 100
115 59.9 30.1 90.5
150 157.3 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 19.139 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087055.D
Acq: 17 Jun 2025 13:39

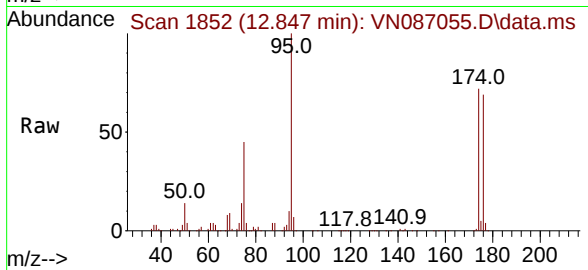
Tgt Ion: 75 Resp: 116140
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.057 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087055.D
 Acq: 17 Jun 2025 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D3-20250610DL



Tgt Ion: 75 Resp: 116140
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

