

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087143.D
 Acq On : 20 Jun 2025 16:31
 Operator : JC\MD
 Sample : Q2355-03 20X
 Misc : 3.60g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20071

Quant Time: Jun 20 23:09:32 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	166343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	323705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	162181	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111981	50.280	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.560%
35) Dibromofluoromethane	8.171	113	98018	51.095	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.180%
50) Toluene-d8	10.565	98	353595	46.561	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.120%
62) 4-Bromofluorobenzene	12.847	95	156671	55.528	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	111.060%

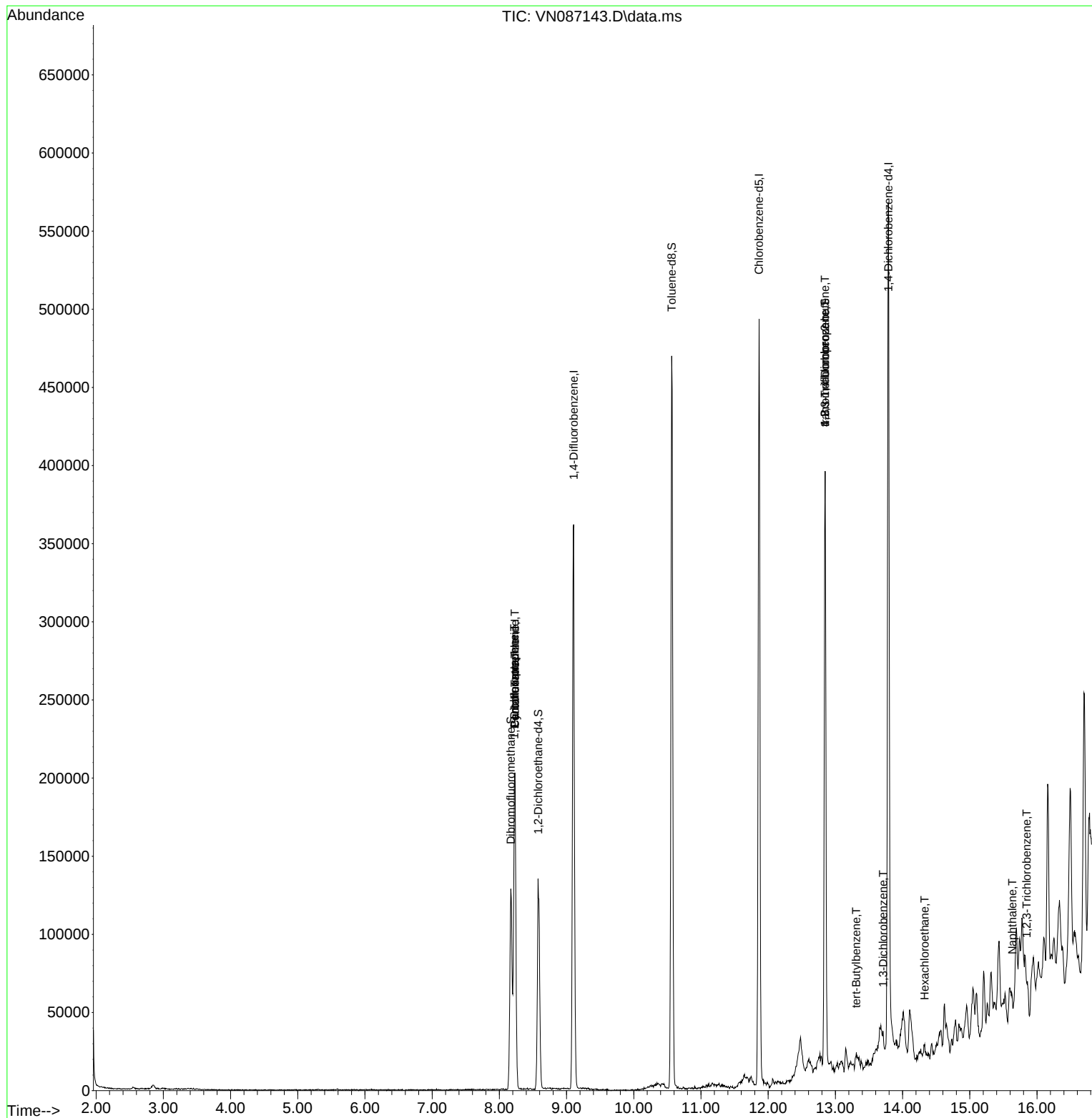
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	8.230	56	2892	0.801	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	12364	4.325	ug/l #	47
38) Carbon Tetrachloride	8.230	117	16553	5.898	ug/l #	18
76) 1,2,3-Trichloropropane	12.847	75	71006	18.419	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71006	42.399	ug/l #	16
83) tert-Butylbenzene	13.312	119	1926	0.216	ug/l	78
87) 1,3-Dichlorobenzene	13.712	146	1500	0.281	ug/l #	35
90) Hexachloroethane	14.329	117	423	0.233	ug/l #	17
95) Naphthalene	15.635	128	3158	0.259	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.847	180	1222	0.376	ug/l #	1

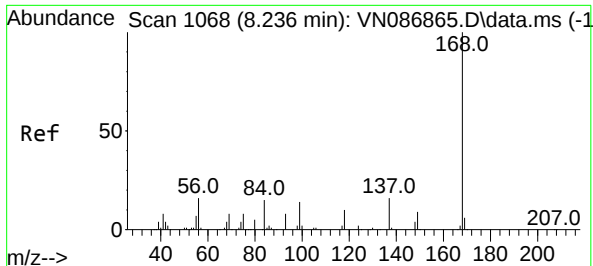
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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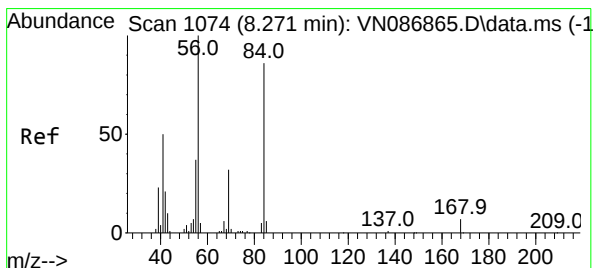
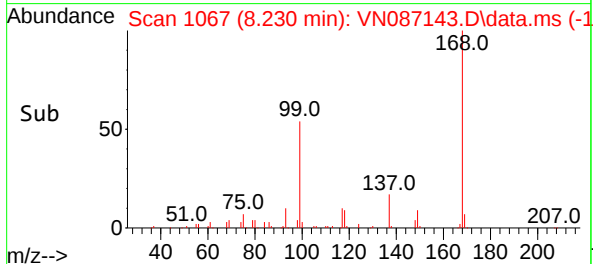
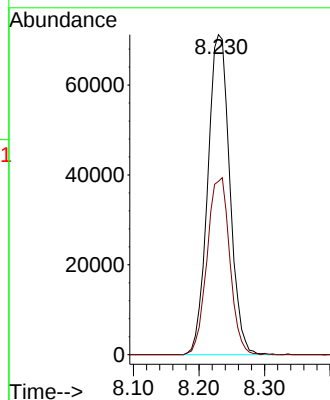
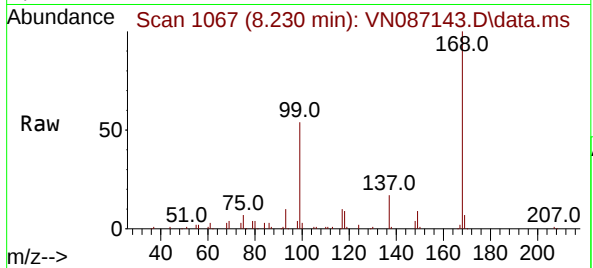




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN087143.D
Acq: 20 Jun 2025 16:31

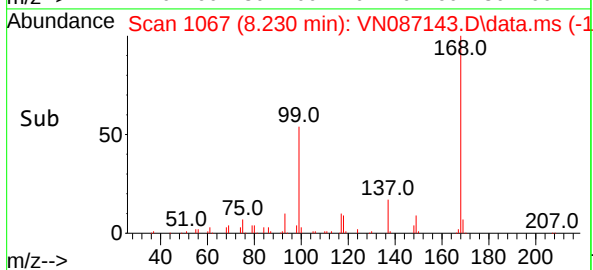
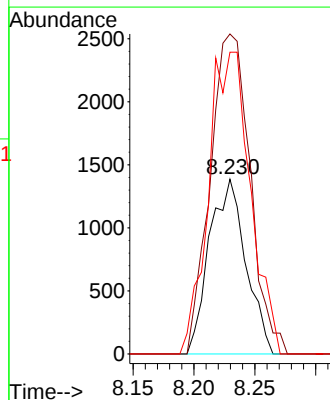
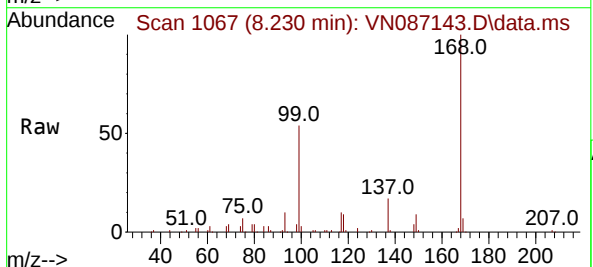
Instrument :
MSVOA_N
ClientSampleId :
20071

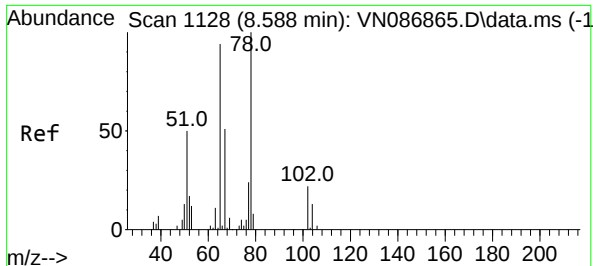
Tgt Ion:168 Resp: 166343
Ion Ratio Lower Upper
168 100
99 54.2 49.1 73.7



#31
Cyclohexane
Concen: 0.801 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087143.D
Acq: 20 Jun 2025 16:31

Tgt Ion: 56 Resp: 2892
Ion Ratio Lower Upper
56 100
69 183.1 25.4 38.0#
84 172.7 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 50.280 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.012 min

Lab File: VN087143.D

Acq: 20 Jun 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

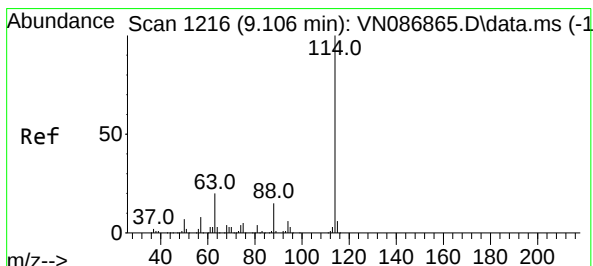
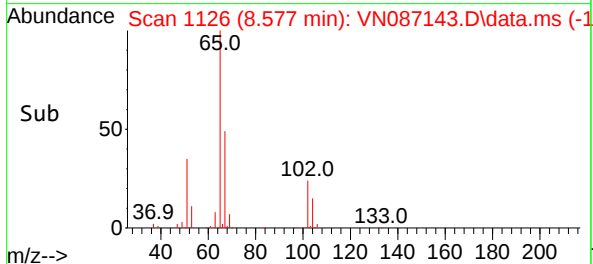
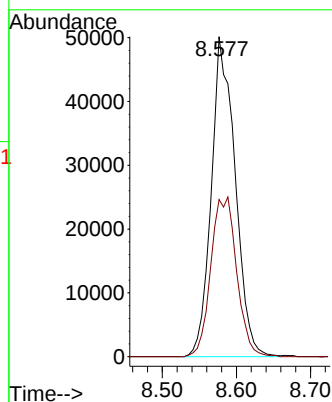
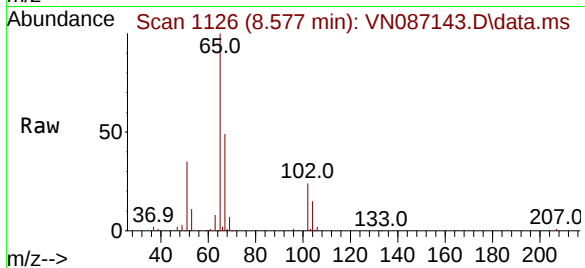
20071

Tgt Ion: 65 Resp: 111981

Ion Ratio Lower Upper

65 100

67 54.1 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: VN087143.D

Acq: 20 Jun 2025 16:31

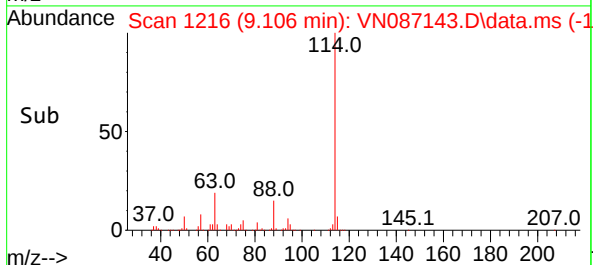
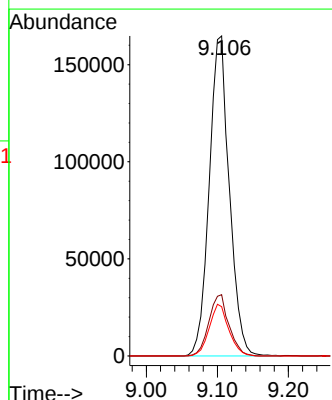
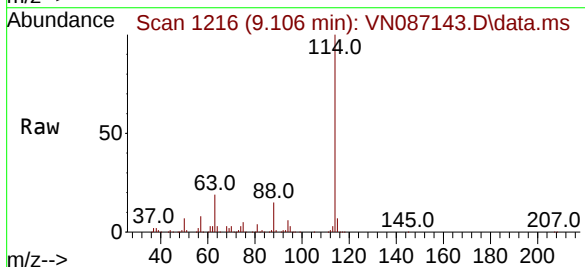
Tgt Ion: 114 Resp: 323705

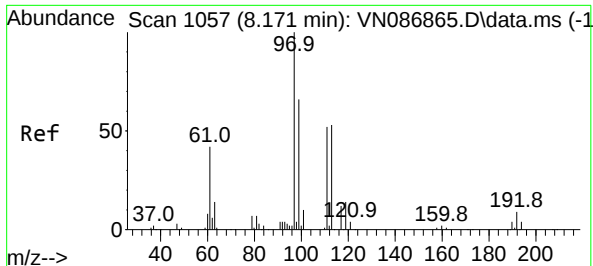
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.095 ug/l

RT: 8.171 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087143.D

Acq: 20 Jun 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

20071

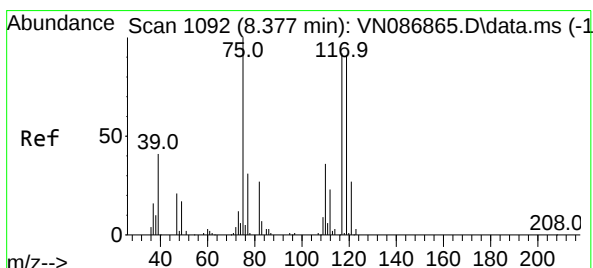
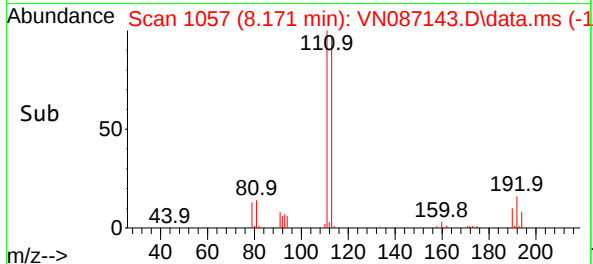
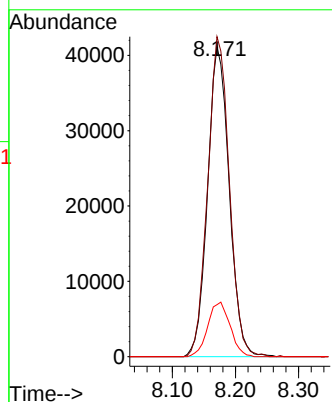
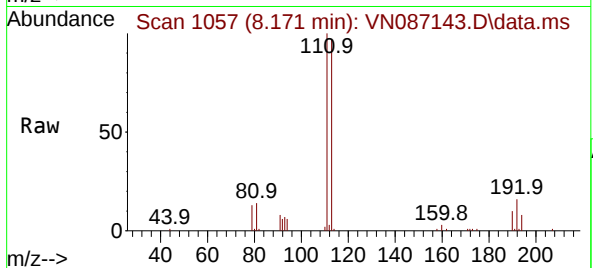
Tgt Ion:113 Resp: 98018

Ion Ratio Lower Upper

113 100

111 103.1 84.2 126.2

192 18.2 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.325 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN087143.D

Acq: 20 Jun 2025 16:31

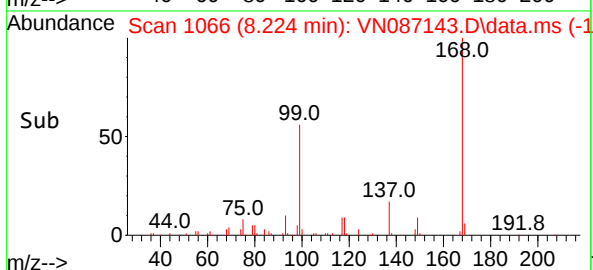
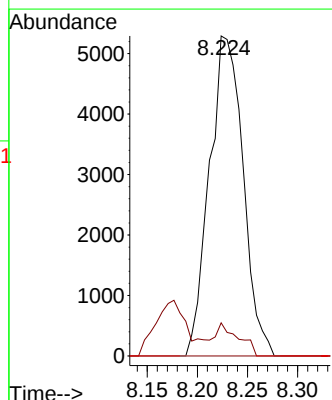
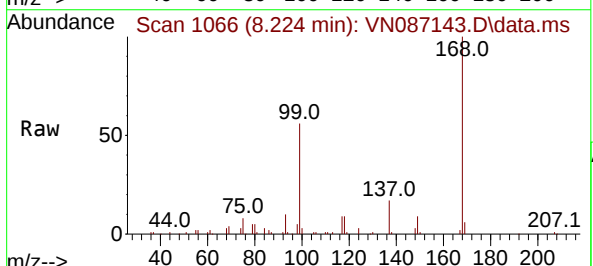
Tgt Ion: 75 Resp: 12364

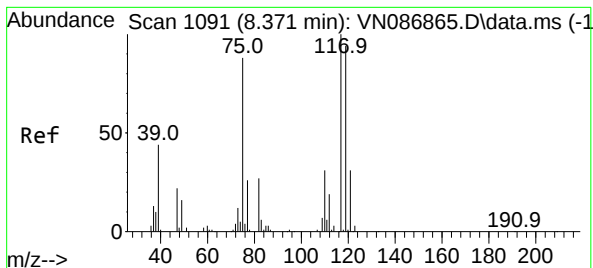
Ion Ratio Lower Upper

75 100

110 6.9 17.6 52.9#

77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.898 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN087143.D

Acq: 20 Jun 2025 16:31

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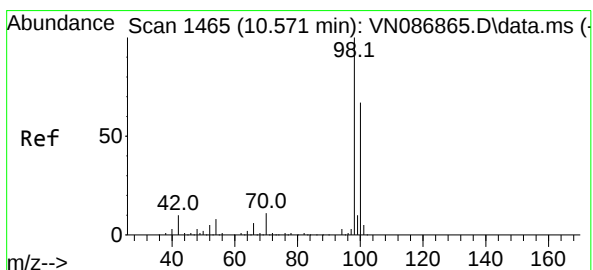
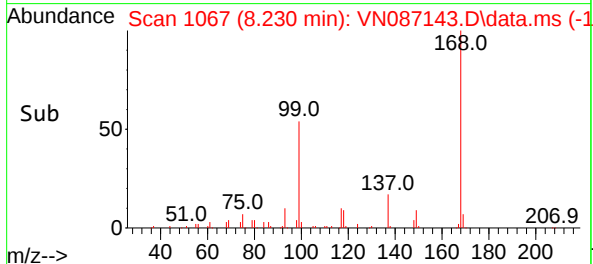
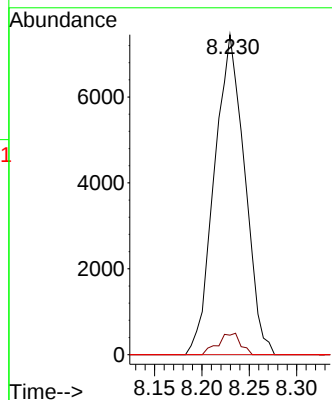
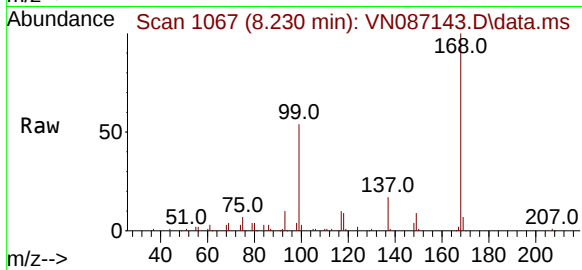
Tgt Ion:117 Resp: 16553

Ion Ratio Lower Upper

117 100

119 6.1 75.0 112.6#

121 0.0 24.9 37.3#



#50

Toluene-d8

Concen: 46.561 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087143.D

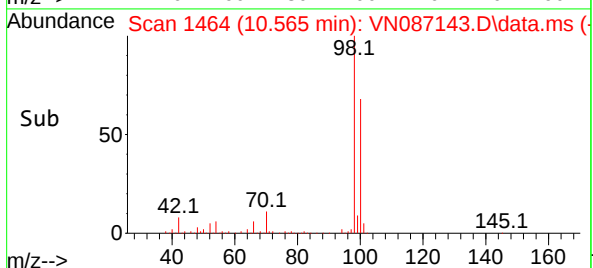
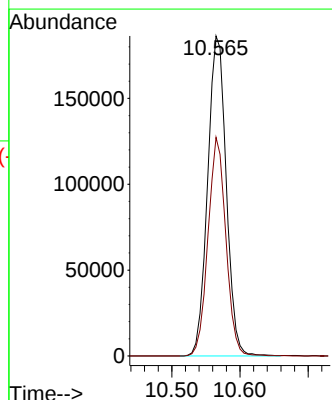
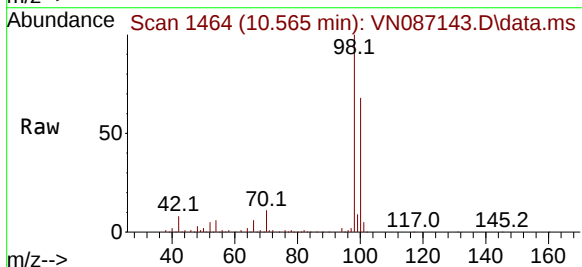
Acq: 20 Jun 2025 16:31

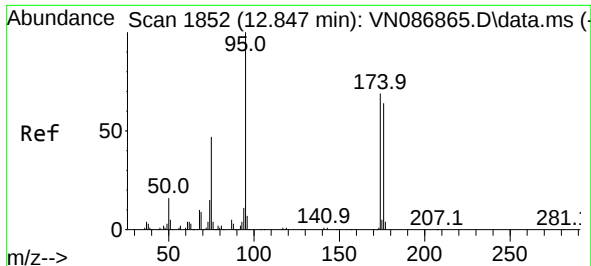
Tgt Ion: 98 Resp: 353595

Ion Ratio Lower Upper

98 100

100 65.6 53.4 80.0

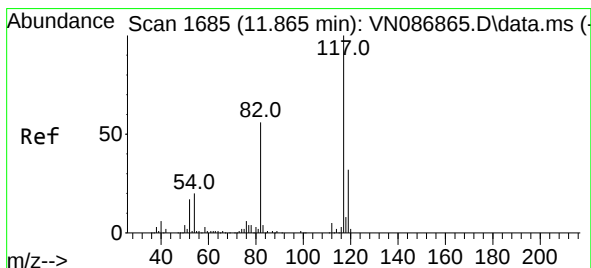
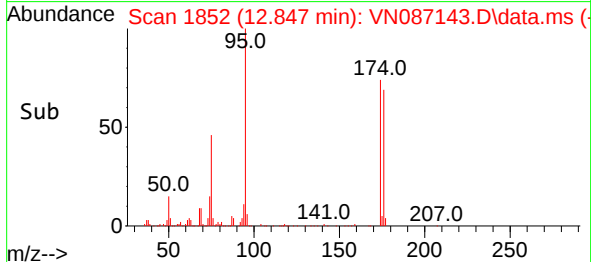
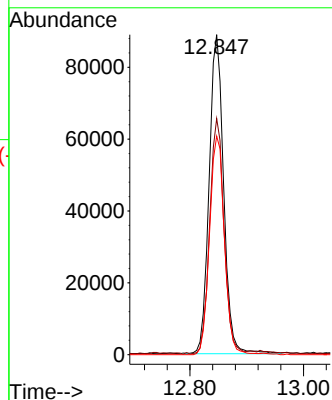
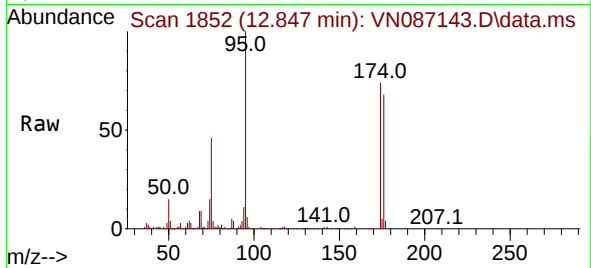




#62
4-Bromofluorobenzene
Concen: 55.528 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087143.D
Acq: 20 Jun 2025 16:31

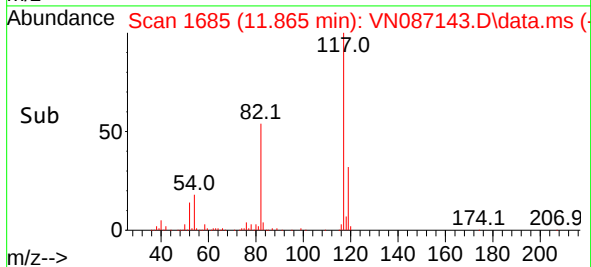
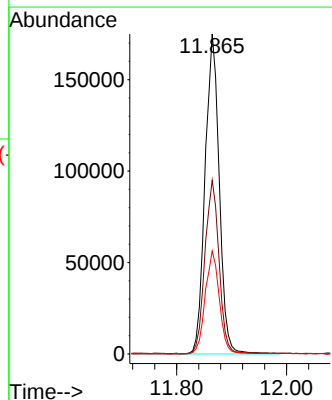
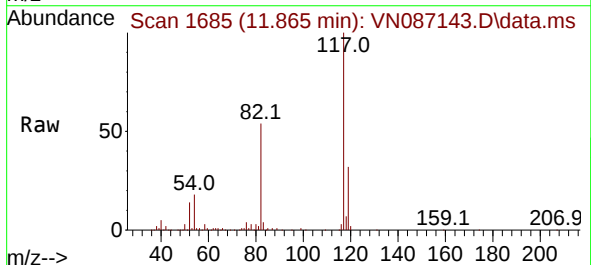
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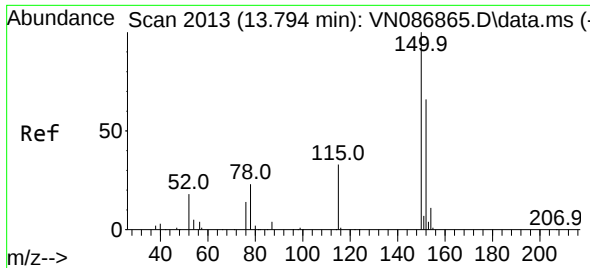
Tgt Ion: 95 Resp: 156671
Ion Ratio Lower Upper
95 100
174 72.9 0.0 141.8
176 70.1 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087143.D
Acq: 20 Jun 2025 16:31

Tgt Ion: 117 Resp: 313670
Ion Ratio Lower Upper
117 100
82 54.3 44.6 67.0
119 32.1 25.5 38.3

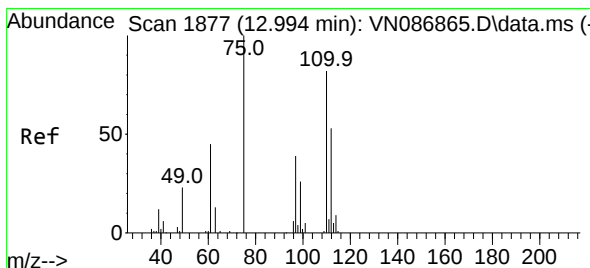
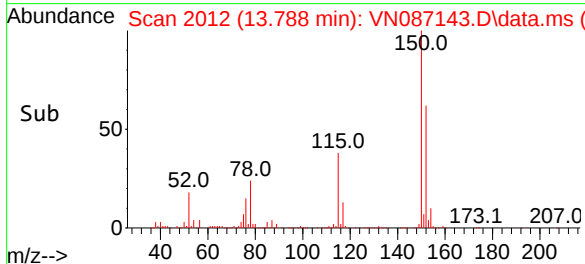
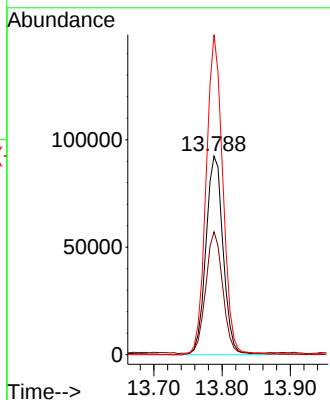
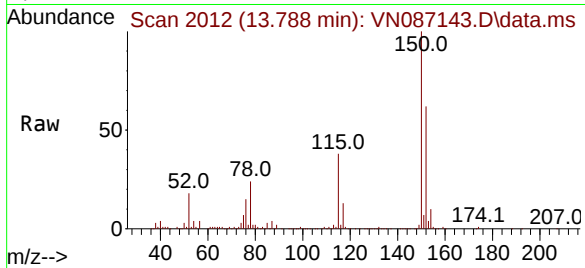




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2071
 Delta R.T. -0.006 min
 Lab File: VN087143.D
 Acq: 20 Jun 2025 16:31

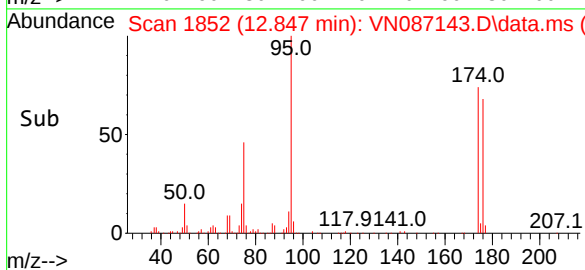
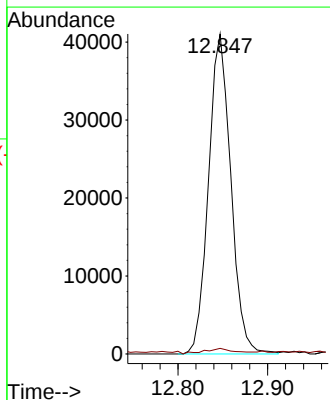
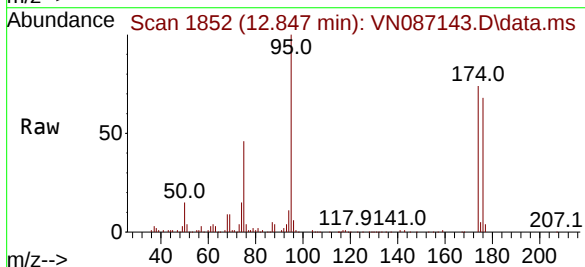
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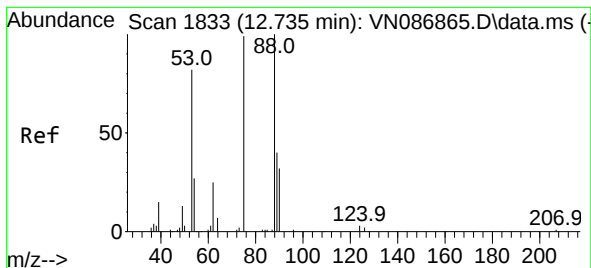
Tgt Ion:152 Resp: 162181
 Ion Ratio Lower Upper
 152 100
 115 59.8 30.1 90.5
 150 156.3 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 18.419 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087143.D
 Acq: 20 Jun 2025 16:31

Tgt Ion: 75 Resp: 71006
 Ion Ratio Lower Upper
 75 100
 77 2.2 79.3 237.9#

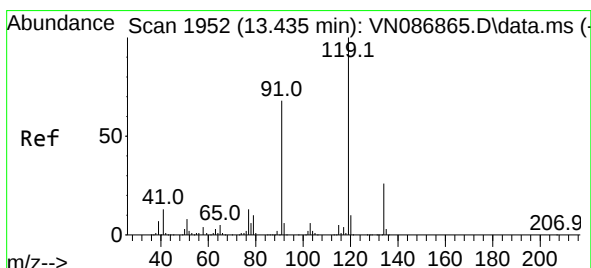
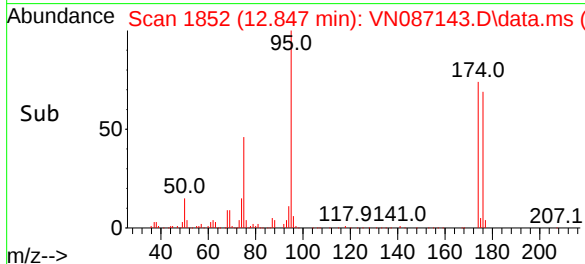
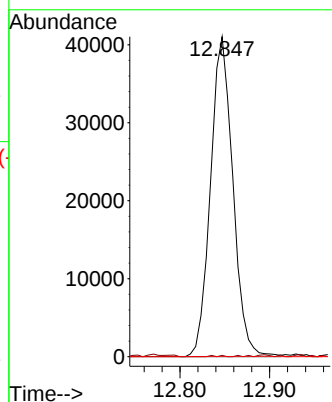
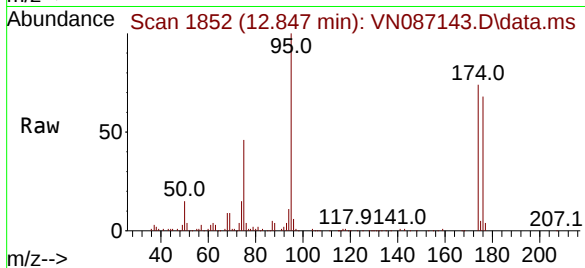




#81
 trans-1,4-Dichloro-2-butene
 Concen: 42.399 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN087143.D
 Acq: 20 Jun 2025 16:31

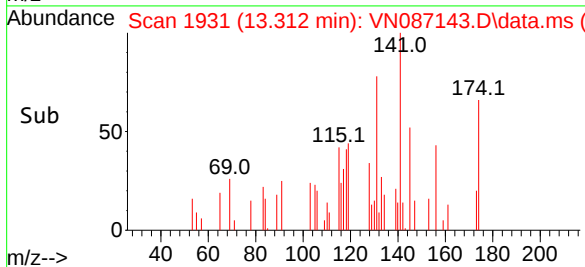
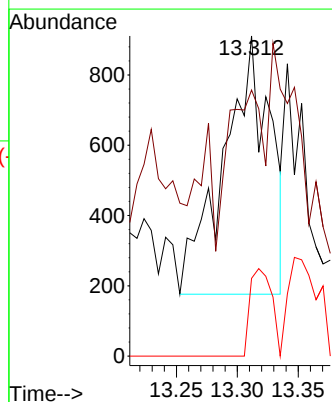
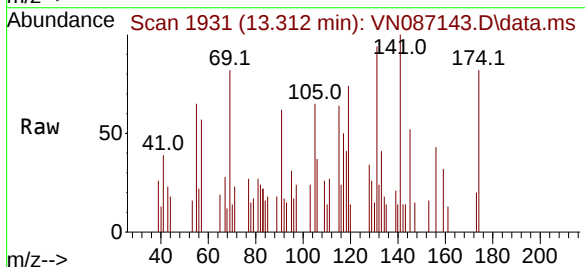
Instrument :
 MSVOA_N
 ClientSampleId :
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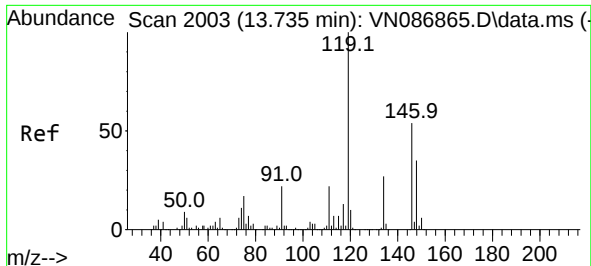
Tgt Ion: 75 Resp: 71006
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.6 99.8#
 89 0.0 36.7 55.1#



#83
 tert-Butylbenzene
 Concen: 0.216 ug/l
 RT: 13.312 min Scan# 1931
 Delta R.T. -0.124 min
 Lab File: VN087143.D
 Acq: 20 Jun 2025 16:31

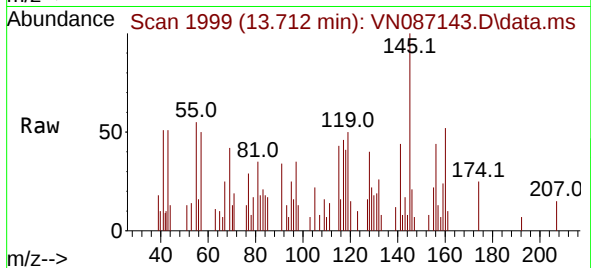
Tgt Ion: 119 Resp: 1926
 Ion Ratio Lower Upper
 119 100
 91 46.3 32.1 96.5
 134 15.8 13.4 40.1



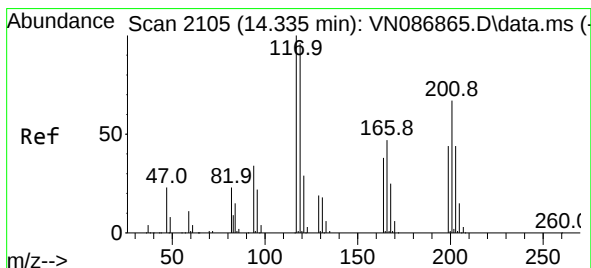
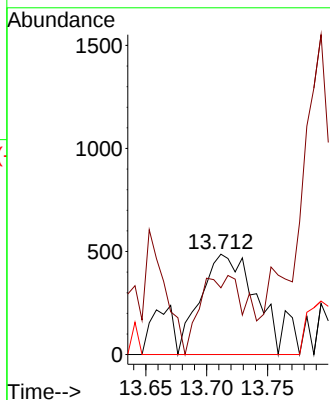
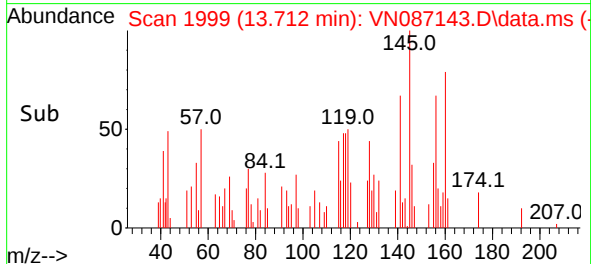


#87
1,3-Dichlorobenzene
Concen: 0.281 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. -0.024 min
Lab File: VN087143.D
Acq: 20 Jun 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
20071

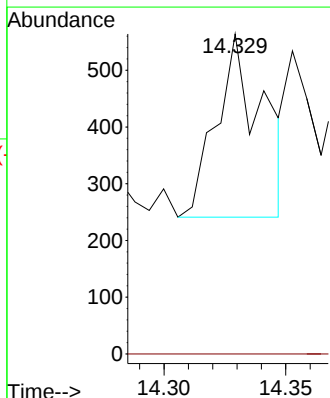
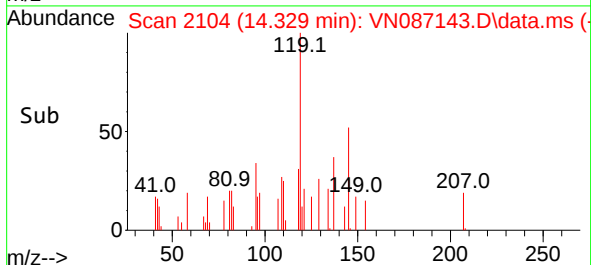
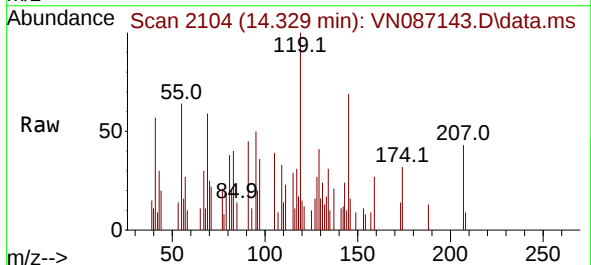


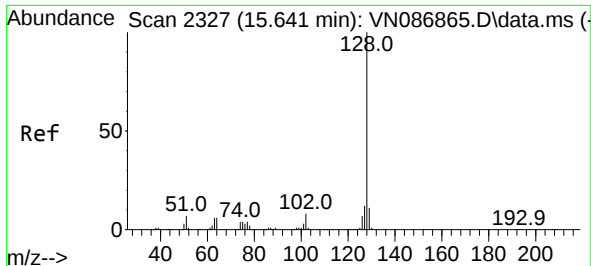
Tgt Ion:146 Resp: 1500
Ion Ratio Lower Upper
146 100
111 66.7 20.9 62.8#
148 0.0 32.0 96.2#



#90
Hexachloroethane
Concen: 0.233 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN087143.D
Acq: 20 Jun 2025 16:31

Tgt Ion:117 Resp: 423
Ion Ratio Lower Upper
117 100
201 0.0 33.2 99.6#

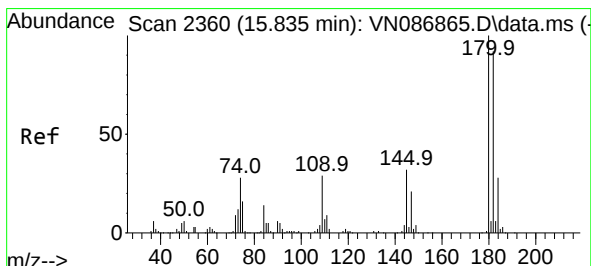
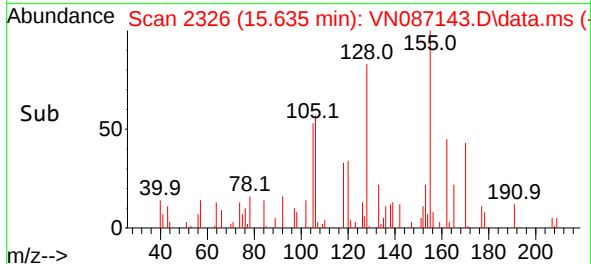
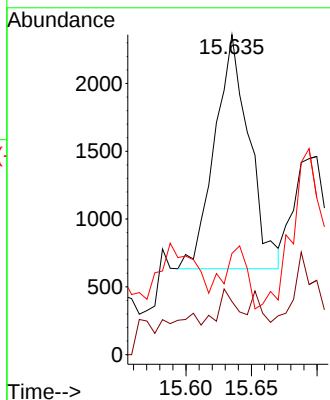
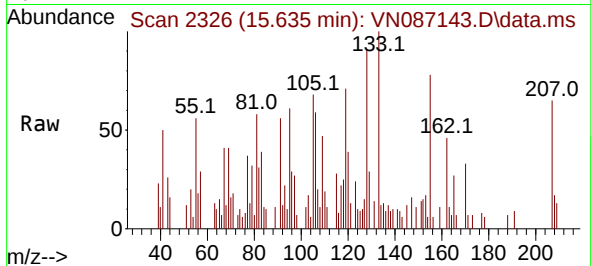




#95
Naphthalene
Concen: 0.259 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN087143.D
Acq: 20 Jun 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
20071

Tgt Ion:128 Resp: 3158
Ion Ratio Lower Upper
128 100
127 8.1 10.2 15.2#
129 15.7 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.376 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.012 min
Lab File: VN087143.D
Acq: 20 Jun 2025 16:31

Tgt Ion:180 Resp: 1222
Ion Ratio Lower Upper
180 100
182 0.0 47.0 141.0#
145 1122.6 16.6 49.8#

