

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087261.D
 Acq On : 03 Jul 2025 11:24
 Operator : JC\MD
 Sample : VN0703MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703MBL01

Quant Time: Jul 04 01:27:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

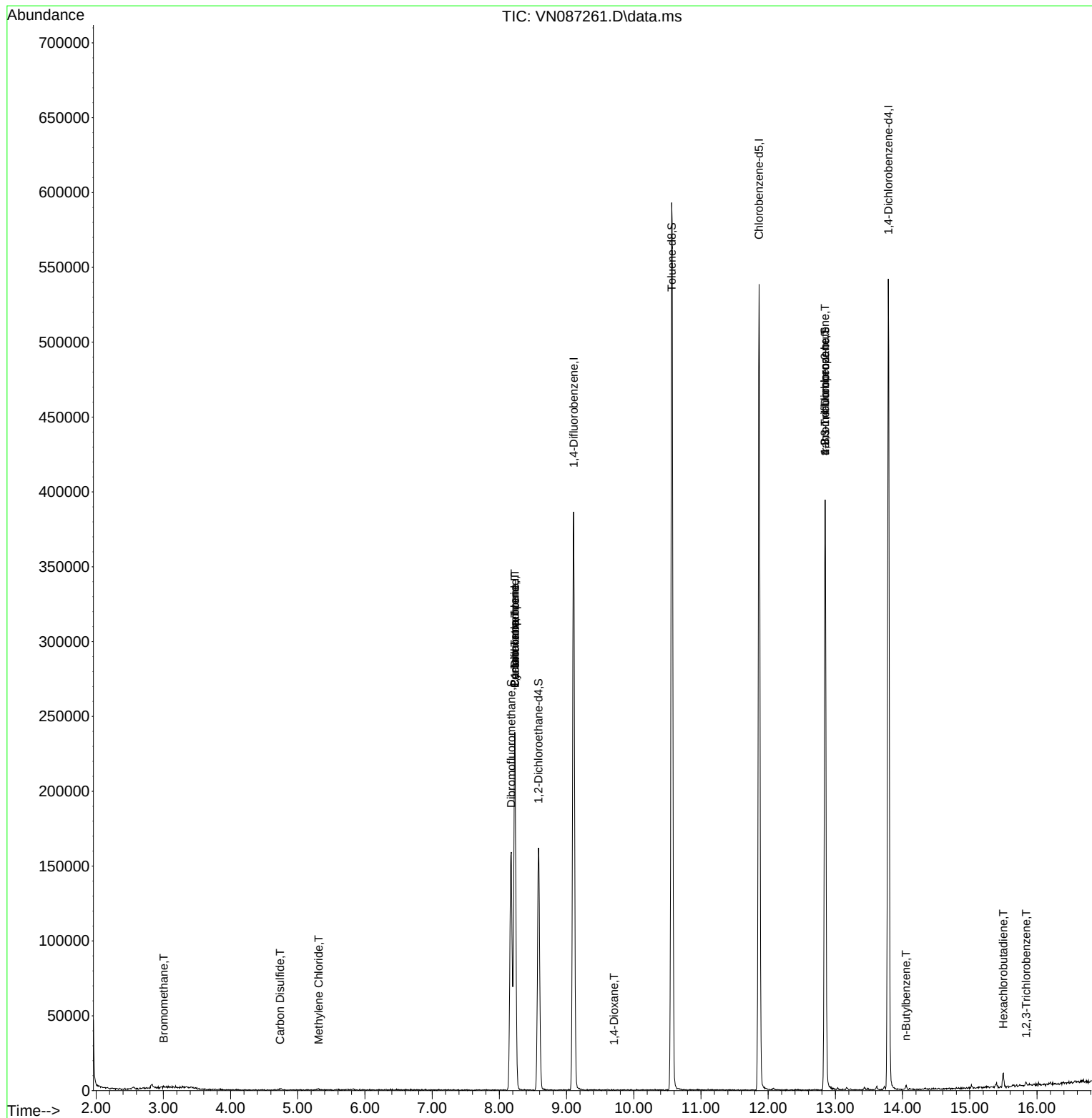
Internal Standards						
1) Pentafluorobenzene	8.230	168	184477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	352055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	327963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	134699	58.178	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.360%
35) Dibromofluoromethane	8.177	113	118625	52.623	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.240%
50) Toluene-d8	10.565	98	431290	49.085	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.180%
62) 4-Bromofluorobenzene	12.847	95	143110	45.776	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.560%
Target Compounds						
						Qvalue
5) Bromomethane	3.006	94	363	0.222	ug/l #	39
17) Carbon Disulfide	4.736	76	2408	0.468	ug/l #	76
20) Methylene Chloride	5.312	84	712	0.363	ug/l #	53
31) Cyclohexane	8.230	56	3513	1.114	ug/l #	32
36) 1,1-Dichloropropene	8.230	75	12422	4.052	ug/l #	51
38) Carbon Tetrachloride	8.230	117	18535	5.336	ug/l #	14
49) 1,4-Dioxane	9.706	88	83	18.524	ug/l #	21
76) 1,2,3-Trichloropropane	12.847	75	72374	23.971	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72374	56.306	ug/l #	14
89) n-Butylbenzene	14.053	91	1841	0.229	ug/l	97
94) Hexachlorobutadiene	15.500	225	1840	1.970	ug/l	90
96) 1,2,3-Trichlorobenzene	15.841	180	611	0.213	ug/l #	87

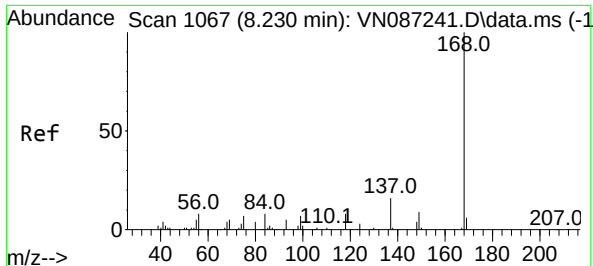
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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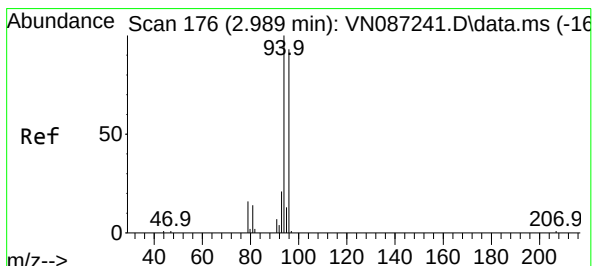
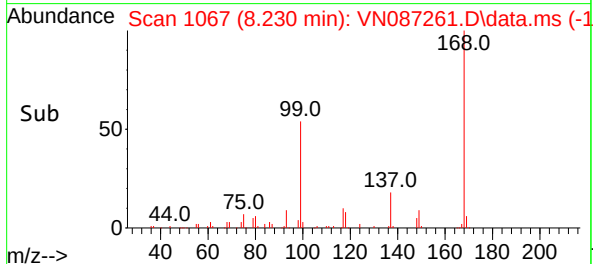
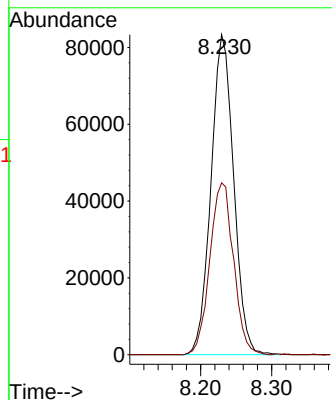
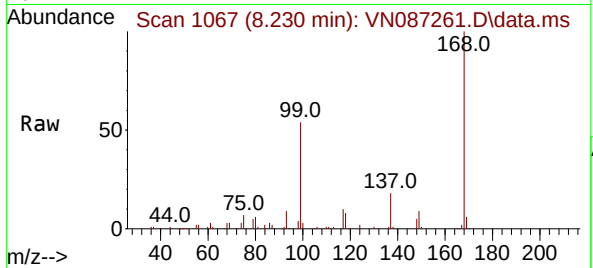




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087261.D
Acq: 03 Jul 2025 11:24

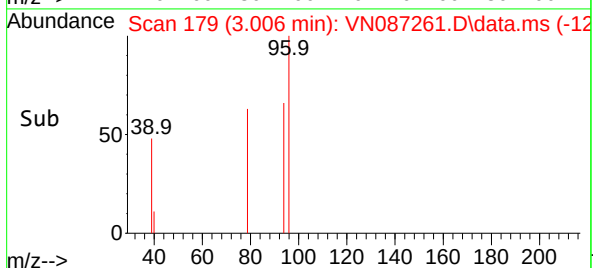
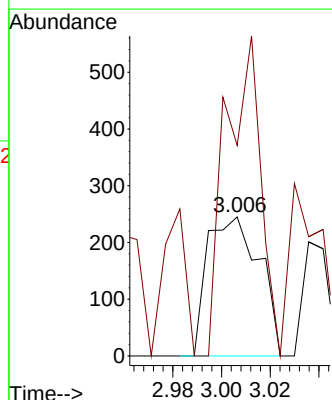
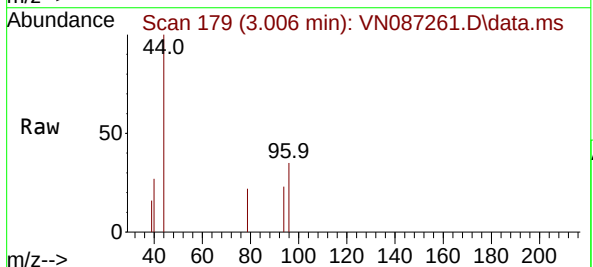
Instrument :
MSVOA_N
ClientSampleId :
VN0703MBL01

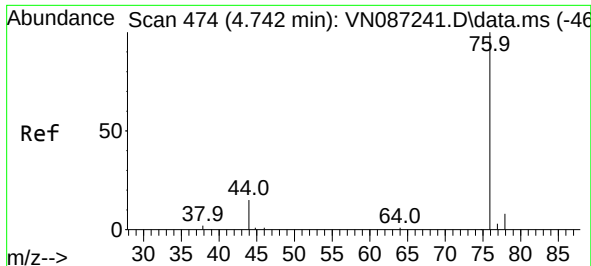
Tgt Ion:168 Resp: 184477
Ion Ratio Lower Upper
168 100
99 53.7 42.6 64.0



#5
Bromomethane
Concen: 0.222 ug/l
RT: 3.006 min Scan# 179
Delta R.T. 0.018 min
Lab File: VN087261.D
Acq: 03 Jul 2025 11:24

Tgt Ion: 94 Resp: 363
Ion Ratio Lower Upper
94 100
96 151.4 74.3 111.5#

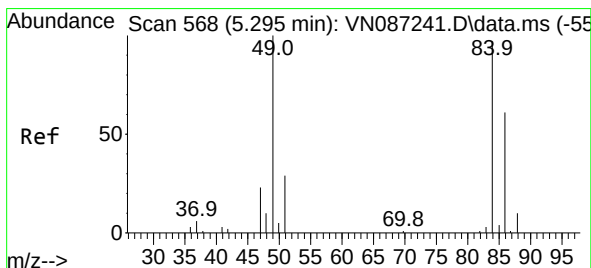
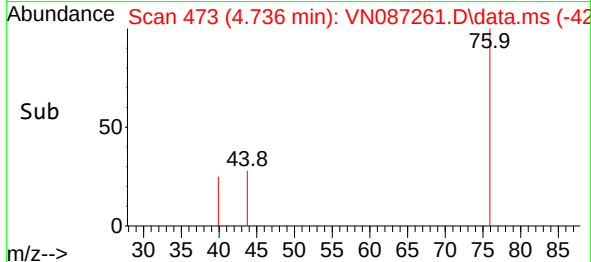
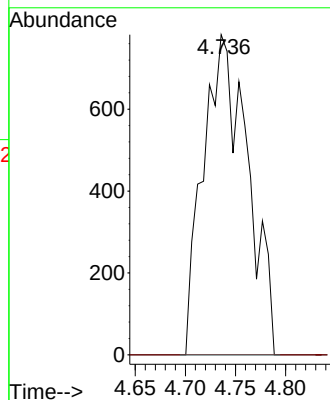
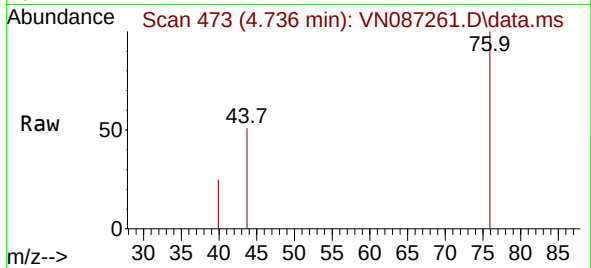




#17
Carbon Disulfide
Concen: 0.468 ug/l
RT: 4.736 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087261.D
Acq: 03 Jul 2025 11:24

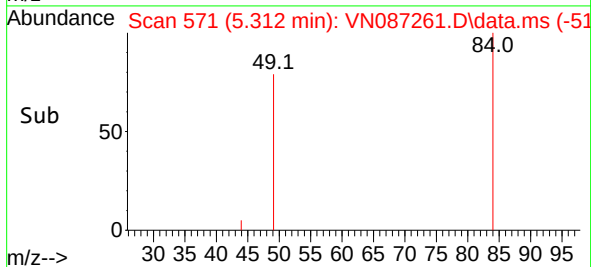
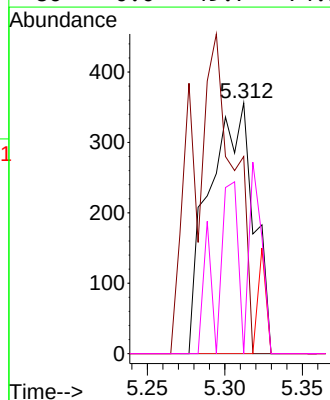
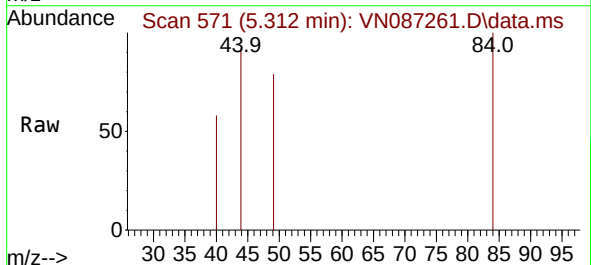
Instrument :
MSVOA_N
ClientSampleId :
VN0703MBL01

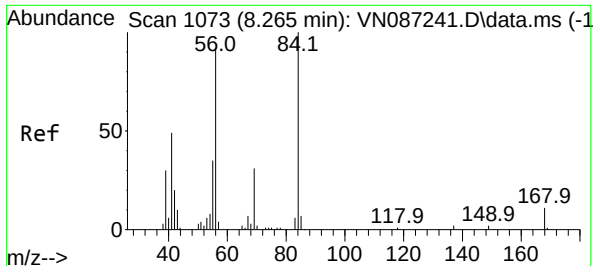
Tgt Ion: 76 Resp: 2408
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: 0.363 ug/l
RT: 5.312 min Scan# 571
Delta R.T. 0.018 min
Lab File: VN087261.D
Acq: 03 Jul 2025 11:24

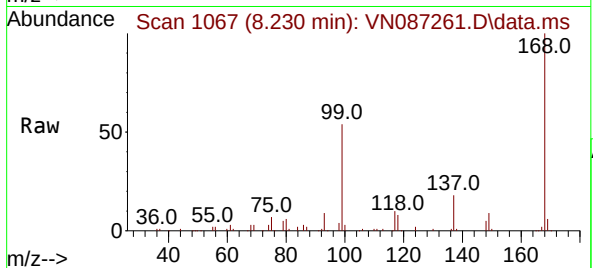
Tgt Ion: 84 Resp: 712
Ion Ratio Lower Upper
84 100
49 78.7 82.1 123.1#
51 0.0 23.5 35.3#
86 0.0 49.7 74.5#



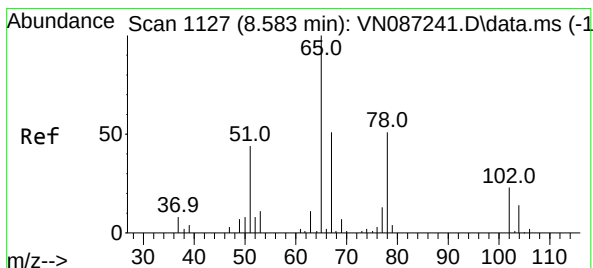
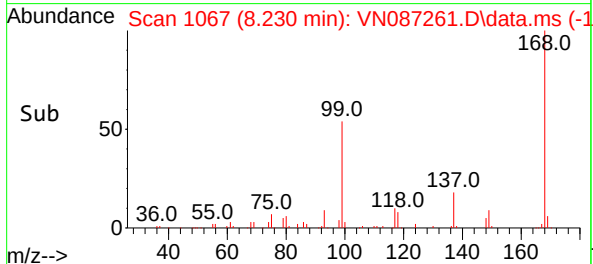
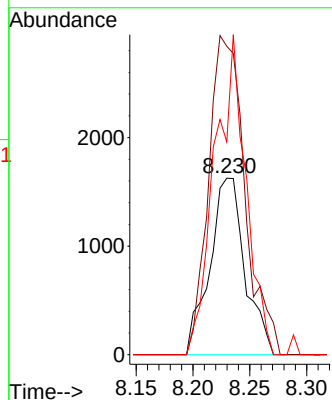


#31
Cyclohexane
Concen: 1.114 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN087261.D
Acq: 03 Jul 2025 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0703MBL01

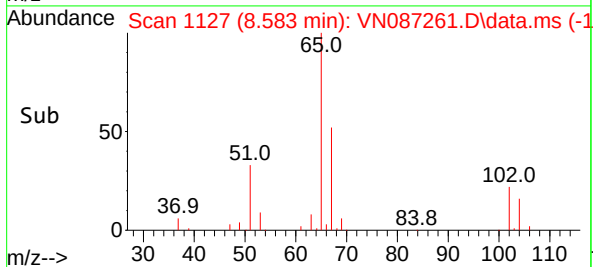
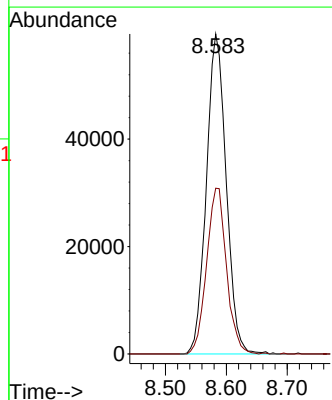
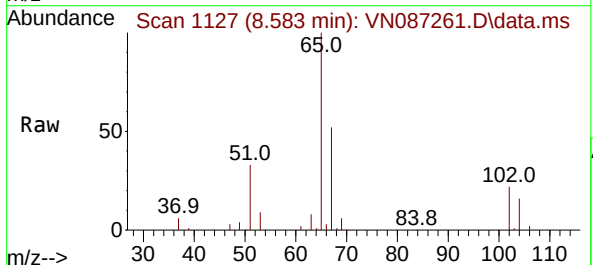


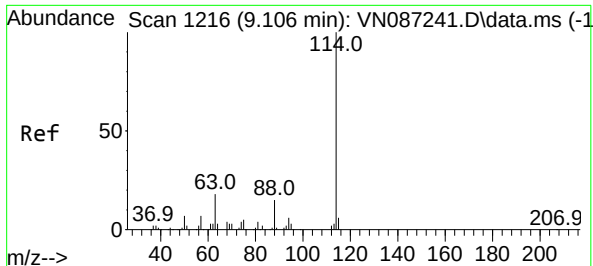
Tgt Ion: 56 Resp: 3513
Ion Ratio Lower Upper
56 100
69 174.7 27.0 40.6#
84 120.5 86.2 129.4



#33
1,2-Dichloroethane-d4
Concen: 58.178 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087261.D
Acq: 03 Jul 2025 11:24

Tgt Ion: 65 Resp: 134699
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.6

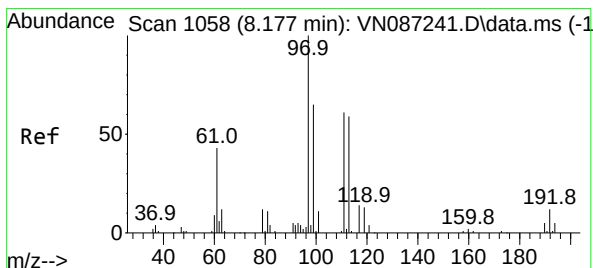
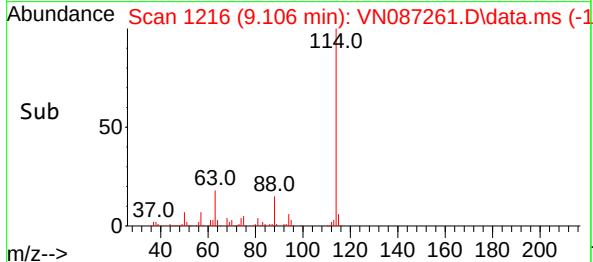
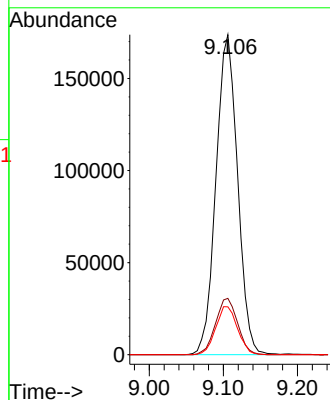
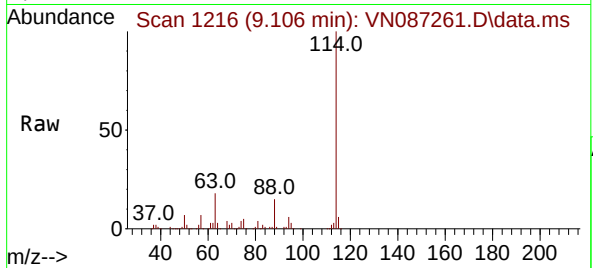




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087261.D
Acq: 03 Jul 2025 11:24

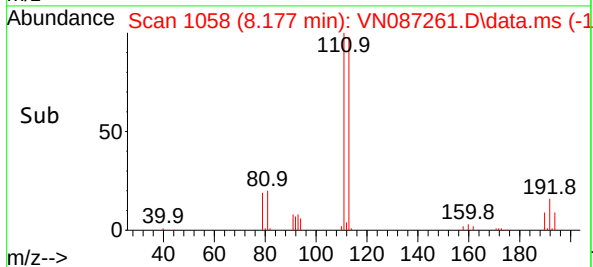
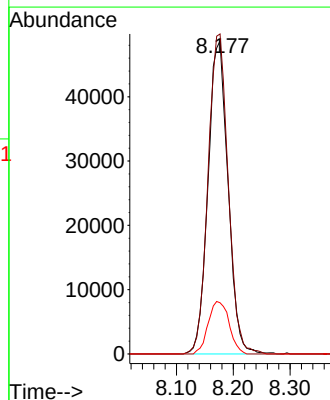
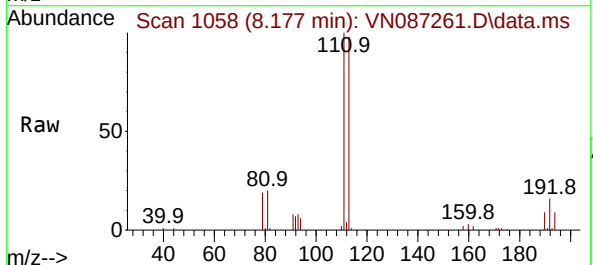
Instrument :
MSVOA_N
ClientSampleId :
VN0703MBL01

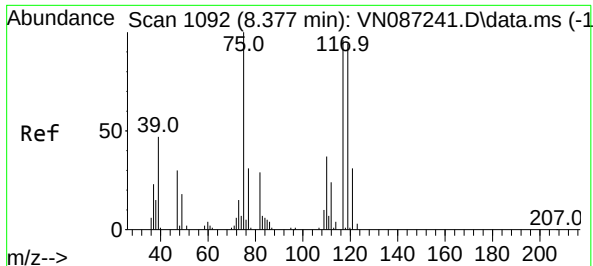
Tgt Ion:114 Resp: 352055
Ion Ratio Lower Upper
114 100
63 17.6 0.0 36.6
88 15.0 0.0 29.6



#35
Dibromofluoromethane
Concen: 52.623 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087261.D
Acq: 03 Jul 2025 11:24

Tgt Ion:113 Resp: 118625
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.2
192 17.6 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.052 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087261.D

Acq: 03 Jul 2025 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN0703MBL01

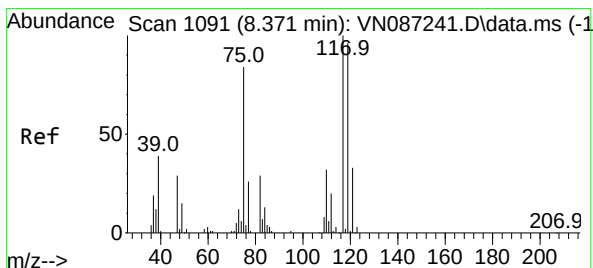
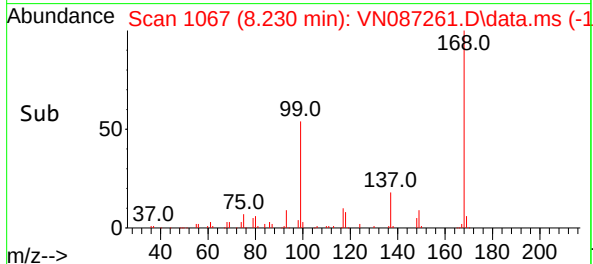
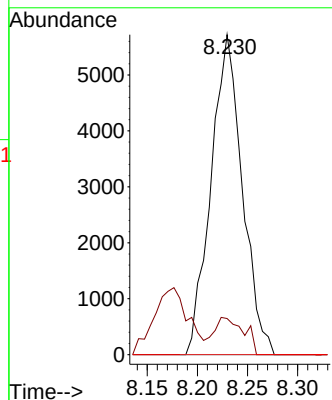
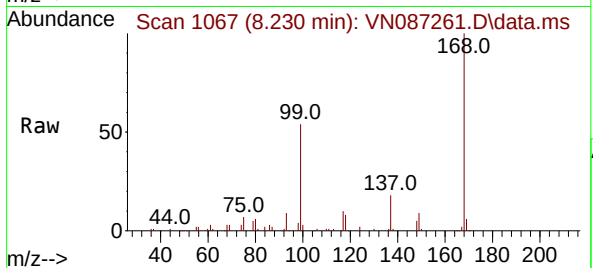
Tgt Ion: 75 Resp: 12422

Ion Ratio Lower Upper

75 100

110 11.3 18.7 56.1#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.336 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087261.D

Acq: 03 Jul 2025 11:24

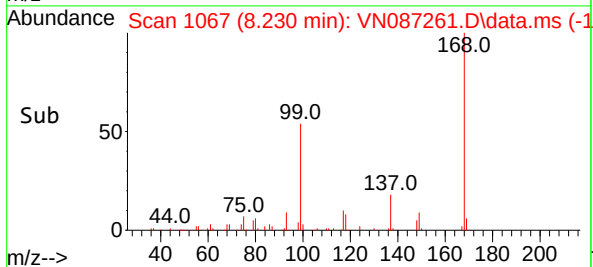
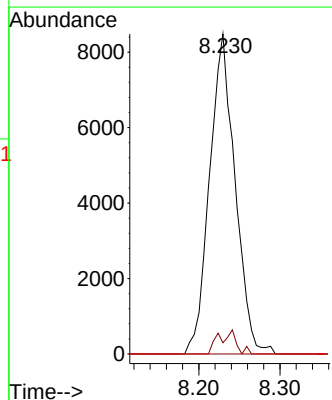
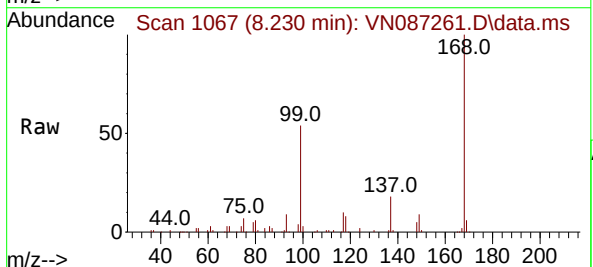
Tgt Ion: 117 Resp: 18535

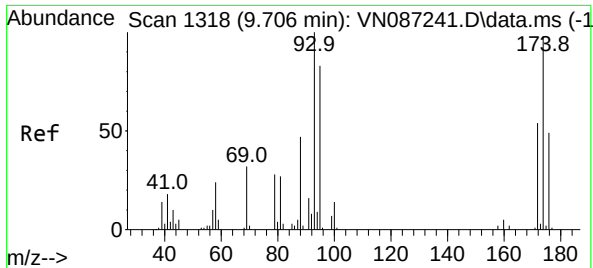
Ion Ratio Lower Upper

117 100

119 3.5 77.2 115.8#

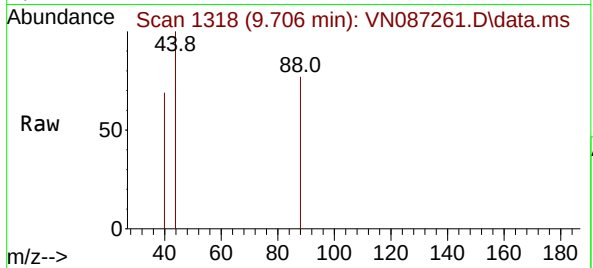
121 0.0 26.6 39.8#



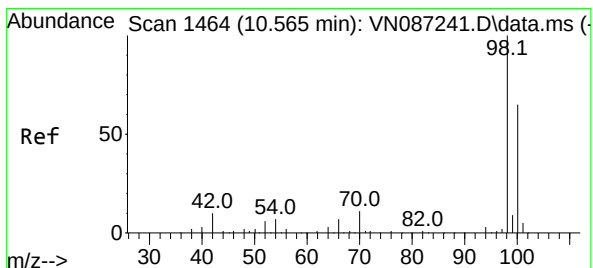
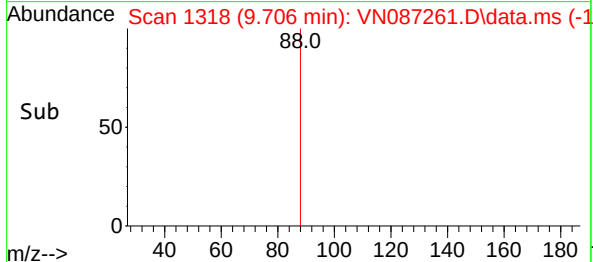
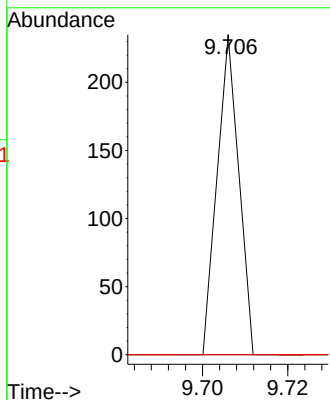


#49
 1,4-Dioxane
 Concen: 18.524 ug/l
 RT: 9.706 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN087261.D
 Acq: 03 Jul 2025 11:24

Instrument :
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 ClientSampleId :
 VN0703MBL01

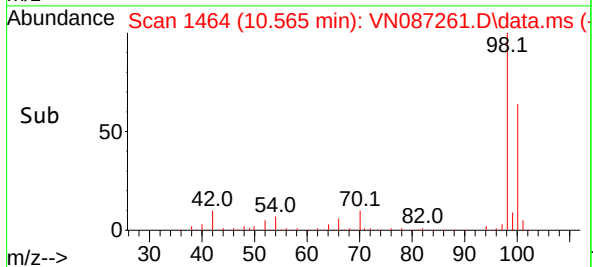
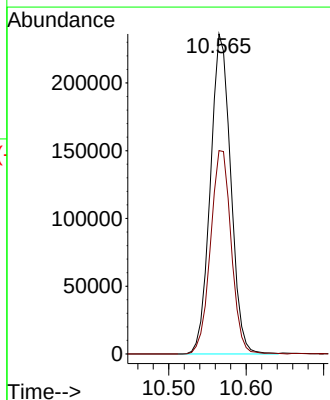
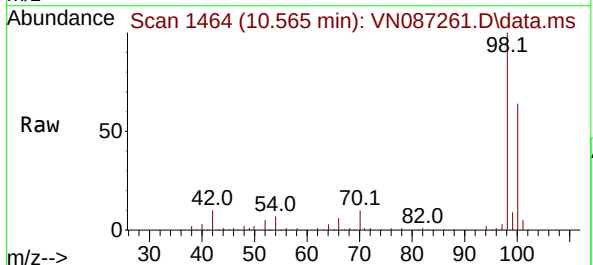


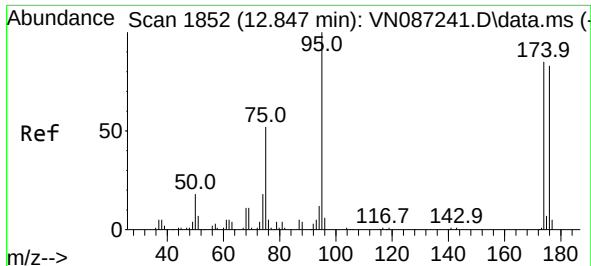
Tgt Ion:	88	Resp:	83
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	0.0	47.8	71.8



#50
 Toluene-d8
 Concen: 49.085 ug/l
 RT: 10.565 min Scan# 1464
 Delta R.T. -0.000 min
 Lab File: VN087261.D
 Acq: 03 Jul 2025 11:24

Tgt Ion:	98	Resp:	431290
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1

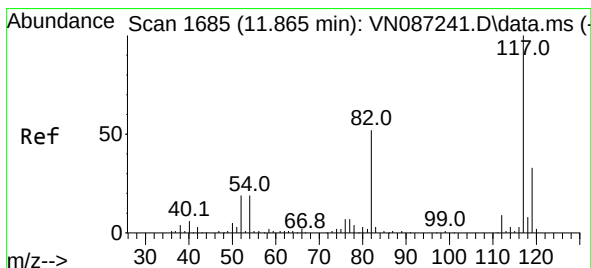
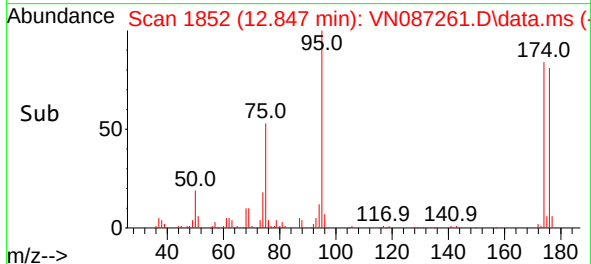
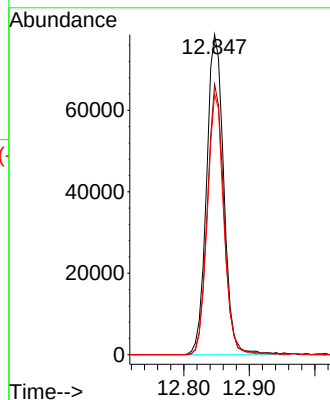
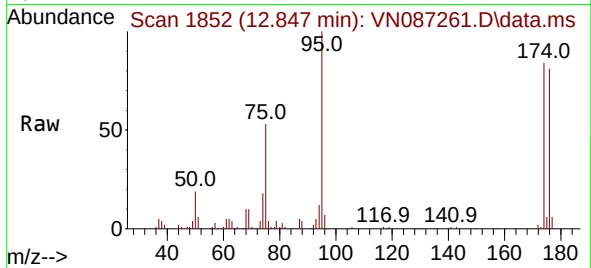




#62
4-Bromofluorobenzene
Concen: 45.776 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087261.D
Acq: 03 Jul 2025 11:24

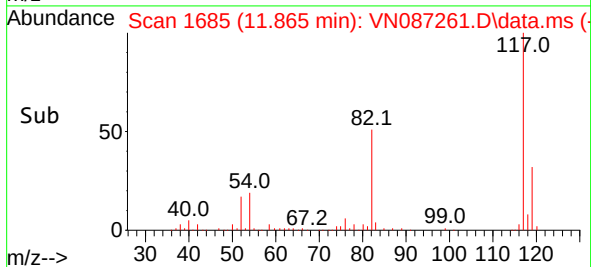
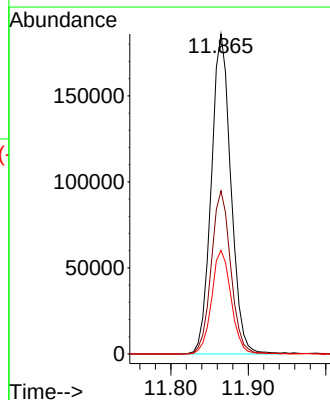
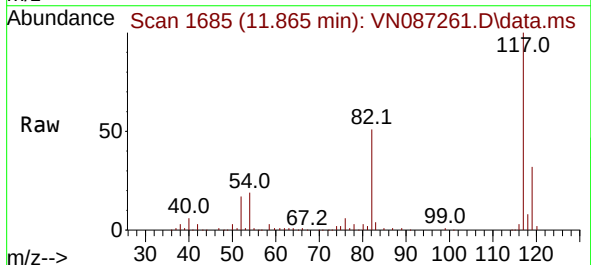
Instrument :
MSVOA_N
ClientSampleId :
VN0703MBL01

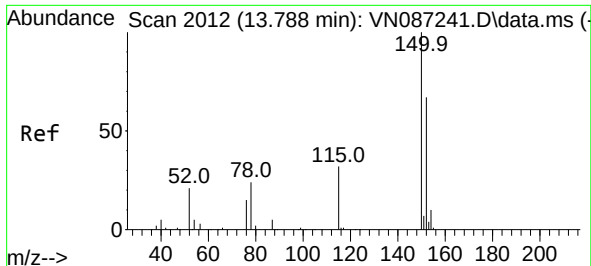
Tgt Ion: 95 Resp: 143110
Ion Ratio Lower Upper
95 100
174 81.7 0.0 169.6
176 77.7 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087261.D
Acq: 03 Jul 2025 11:24

Tgt Ion: 117 Resp: 327963
Ion Ratio Lower Upper
117 100
82 51.0 41.9 62.9
119 32.4 26.2 39.4

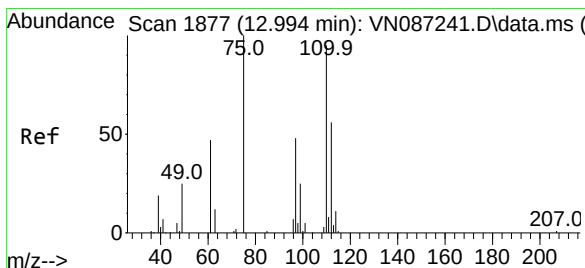
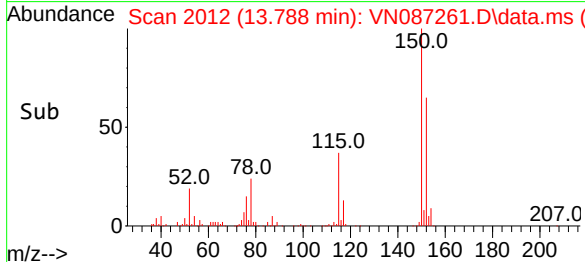
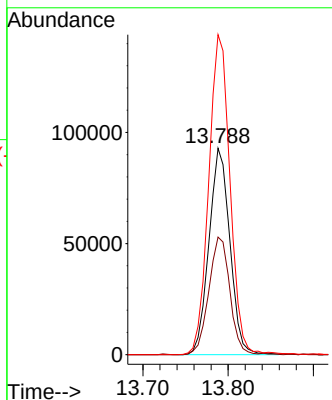
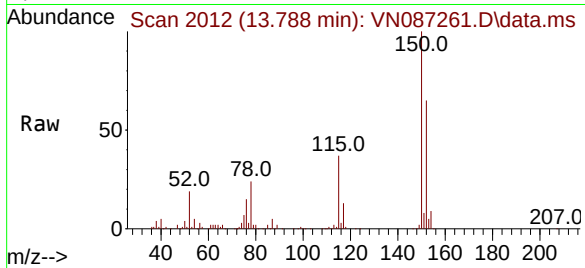




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN087261.D
 Acq: 03 Jul 2025 11:24

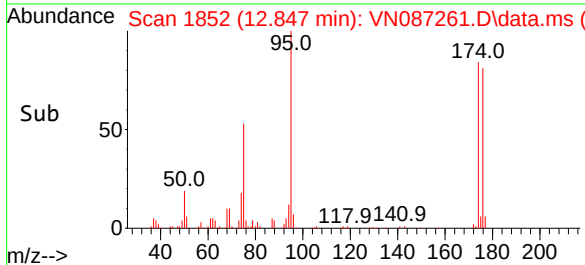
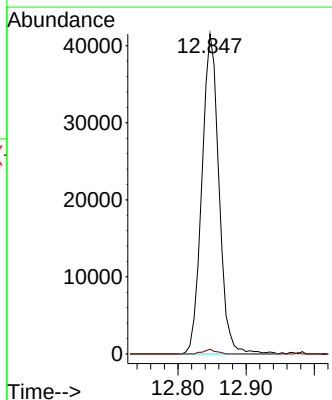
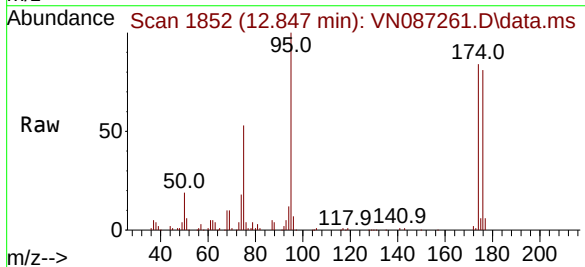
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703MBL01

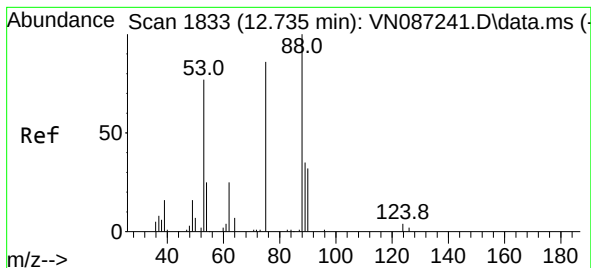
Tgt Ion:152 Resp: 158732
 Ion Ratio Lower Upper
 152 100
 115 57.3 28.3 84.9
 150 157.5 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 23.971 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087261.D
 Acq: 03 Jul 2025 11:24

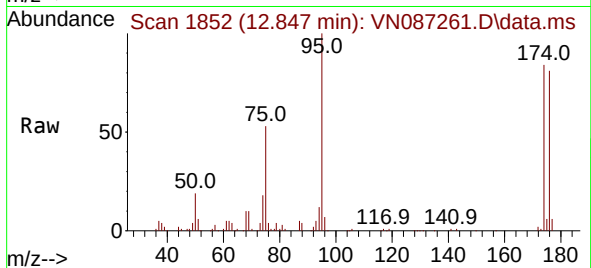
Tgt Ion: 75 Resp: 72374
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.0 245.8#



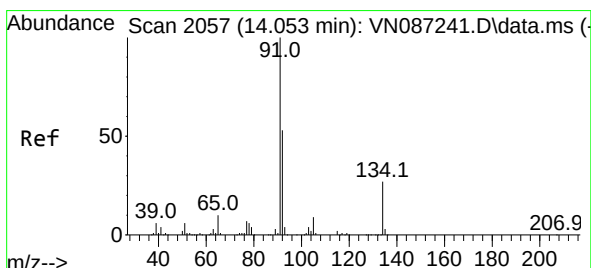
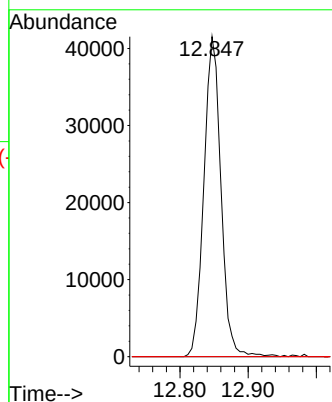
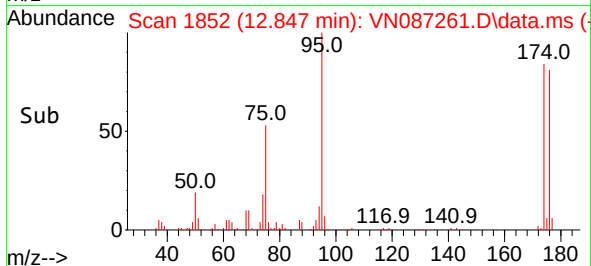


#81
trans-1,4-Dichloro-2-butene
Concen: 56.306 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087261.D
Acq: 03 Jul 2025 11:24

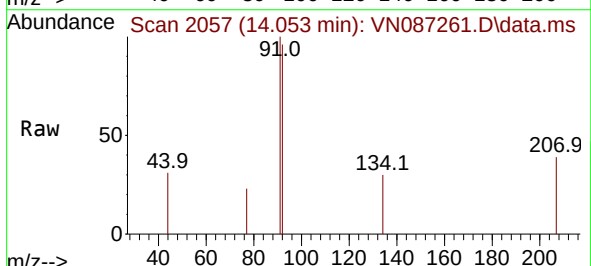
Instrument :
MSVOA_N
ClientSampleId :
VN0703MBL01



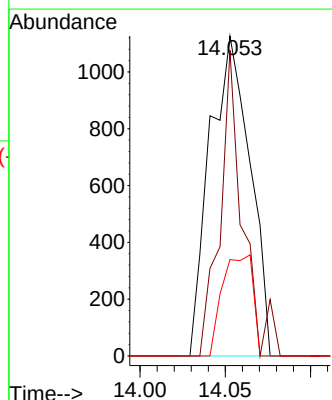
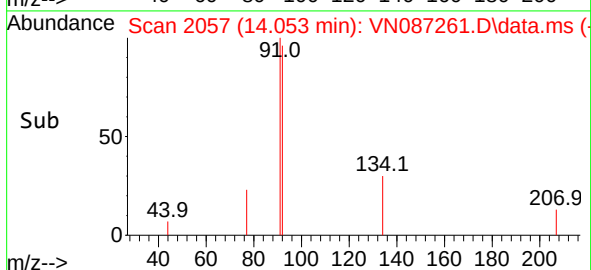
Tgt Ion: 75 Resp: 72374
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 36.1 54.1#

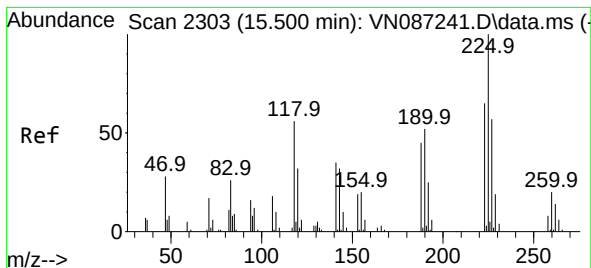


#89
n-Butylbenzene
Concen: 0.229 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN087261.D
Acq: 03 Jul 2025 11:24



Tgt Ion: 91 Resp: 1841
Ion Ratio Lower Upper
91 100
92 54.2 26.7 80.0
134 24.0 13.7 41.1





#94

Hexachlorobutadiene

Concen: 1.970 ug/l

RT: 15.500 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN087261.D

Acq: 03 Jul 2025 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN0703MBL01

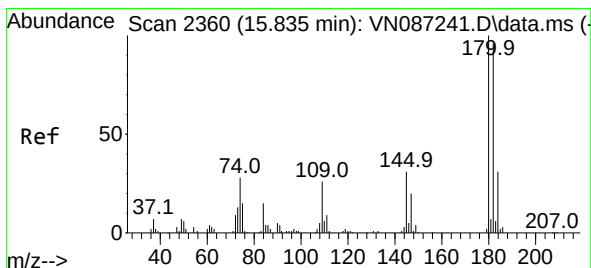
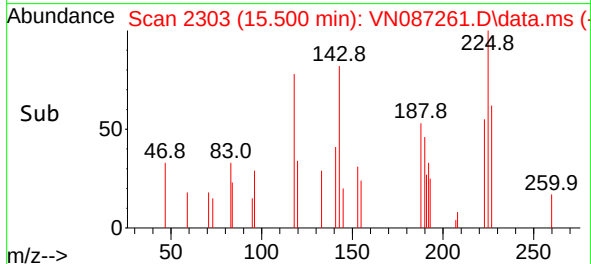
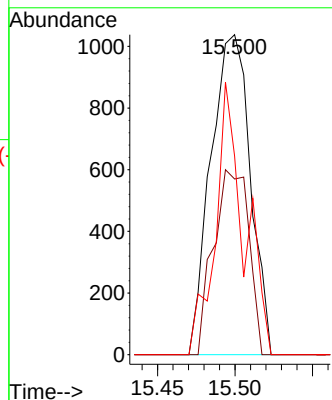
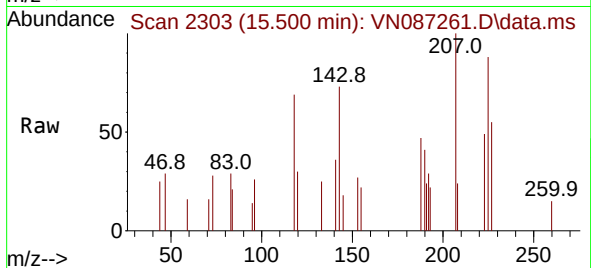
Tgt Ion:225 Resp: 1840

Ion Ratio Lower Upper

225 100

223 51.5 33.5 100.4

227 62.0 30.9 92.7



#96

1,2,3-Trichlorobenzene

Concen: 0.213 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN087261.D

Acq: 03 Jul 2025 11:24

Tgt Ion:180 Resp: 611

Ion Ratio Lower Upper

180 100

182 94.4 47.7 143.1

145 59.1 15.7 47.1#

