

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
 Data File : VN087283.D
 Acq On : 07 Jul 2025 10:45
 Operator : JC\MD
 Sample : VN0707WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0707MBL01

Quant Time: Jul 08 01:28:35 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	183454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	339704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	317463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	155374	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	129549	56.266	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.540%
35) Dibromofluoromethane	8.177	113	113295	52.086	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.180%
50) Toluene-d8	10.565	98	412523	48.656	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.847	95	136254	45.167	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.340%

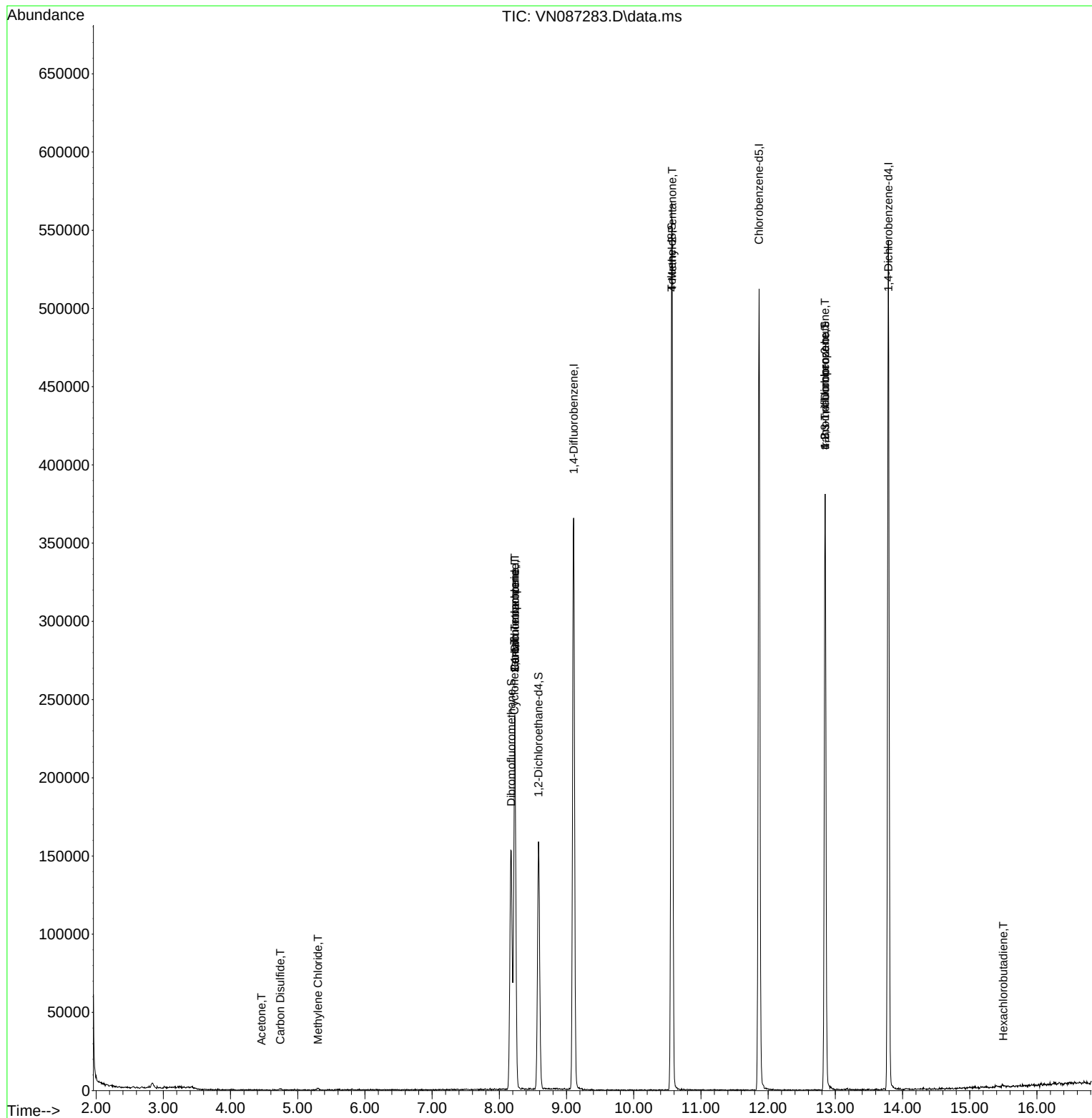
Target Compounds					Qvalue	
16) Acetone	4.460	43	245	0.278	ug/l #	41
17) Carbon Disulfide	4.742	76	1137	0.222	ug/l #	76
20) Methylene Chloride	5.301	84	691	0.354	ug/l #	63
31) Cyclohexane	8.224	56	3347	1.067	ug/l #	21
36) 1,1-Dichloropropene	8.230	75	12128	4.100	ug/l #	49
38) Carbon Tetrachloride	8.230	117	16935	5.053	ug/l #	16
51) 4-Methyl-2-Pentanone	10.571	43	1547	0.513	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	67346	22.788	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67346	53.527	ug/l #	14
94) Hexachlorobutadiene	15.500	225	574	0.628	ug/l #	33

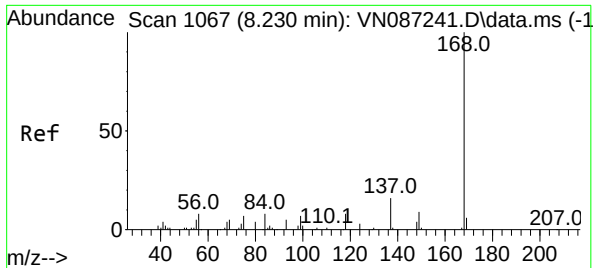
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 08 01:28:35 2025
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Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

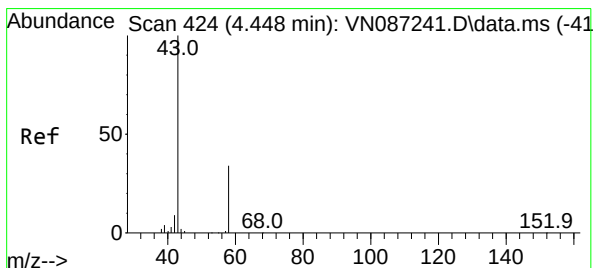
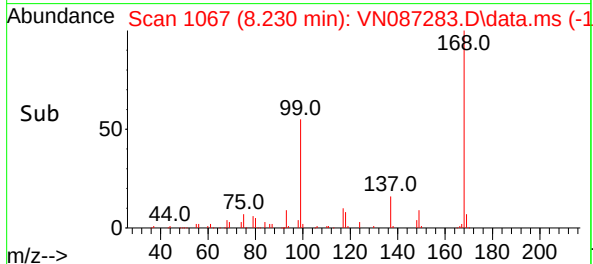
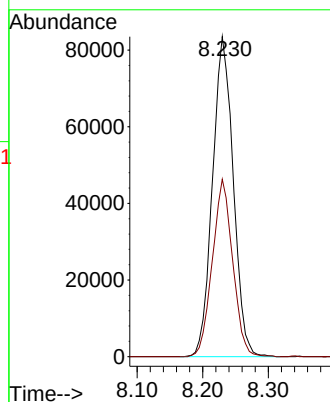
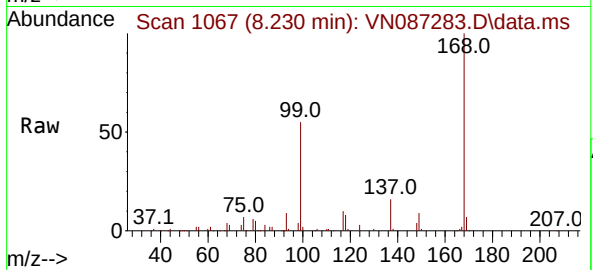




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:45

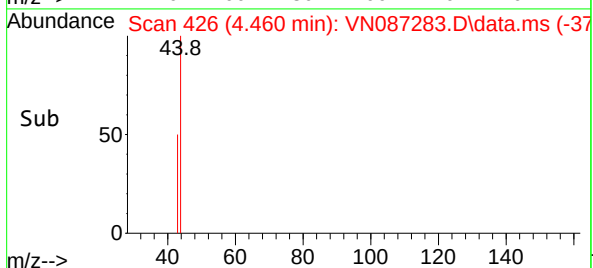
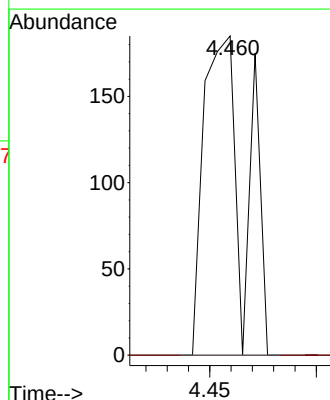
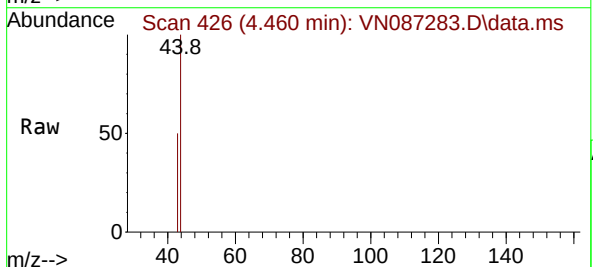
Instrument :
MSVOA_N
ClientSampleId :
VN0707MBL01

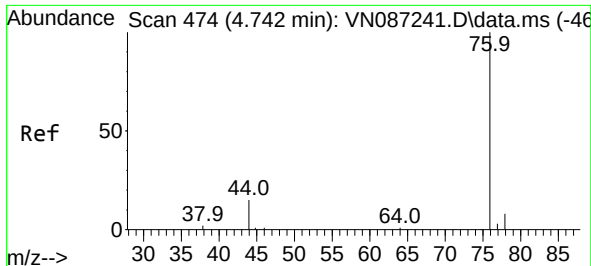
Tgt Ion:168 Resp: 183454
Ion Ratio Lower Upper
168 100
99 55.5 42.6 64.0



#16
Acetone
Concen: 0.278 ug/l
RT: 4.460 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:45

Tgt Ion: 43 Resp: 245
Ion Ratio Lower Upper
43 100
58 0.0 27.1 40.7#

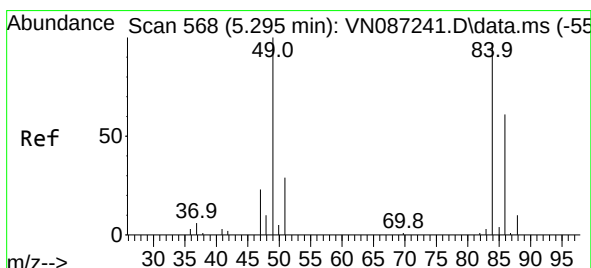
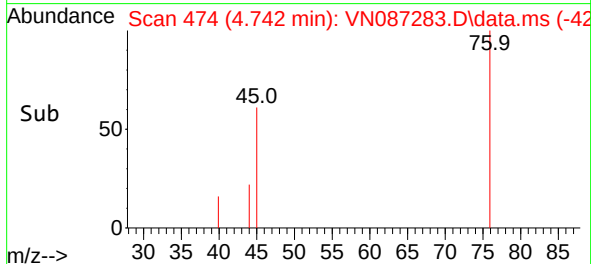
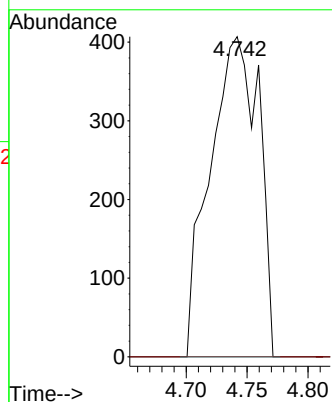
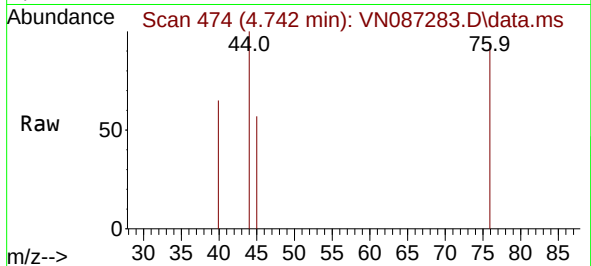




#17
Carbon Disulfide
Concen: 0.222 ug/l
RT: 4.742 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:45

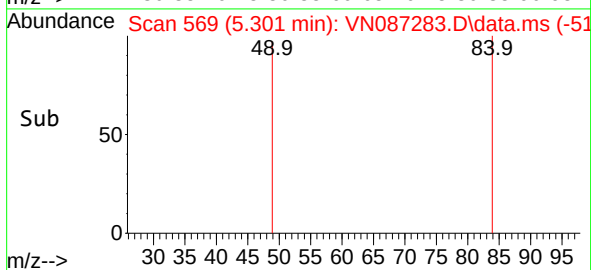
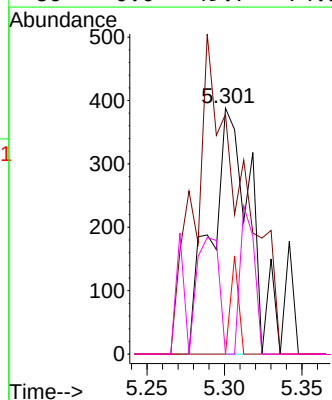
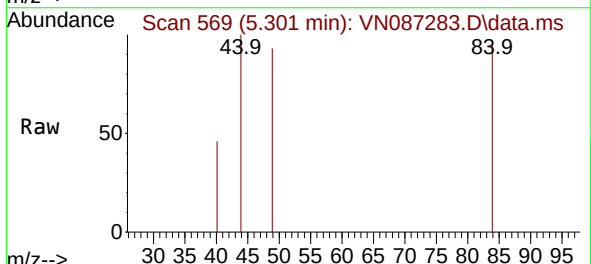
Instrument :
MSVOA_N
ClientSampleId :
VN0707MBL01

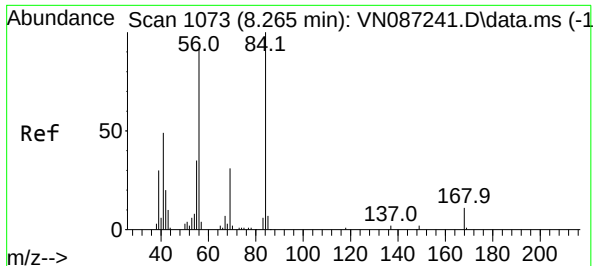
Tgt Ion: 76 Resp: 1137
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: 0.354 ug/l
RT: 5.301 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:45

Tgt Ion: 84 Resp: 691
Ion Ratio Lower Upper
84 100
49 97.4 82.1 123.1
51 0.0 23.5 35.3#
86 0.0 49.7 74.5#

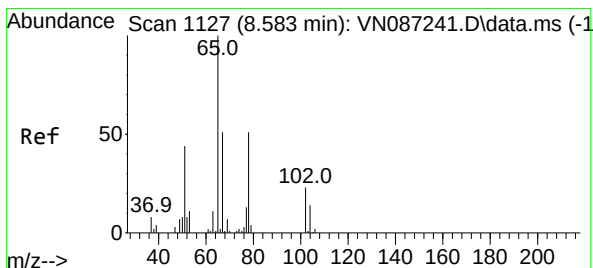
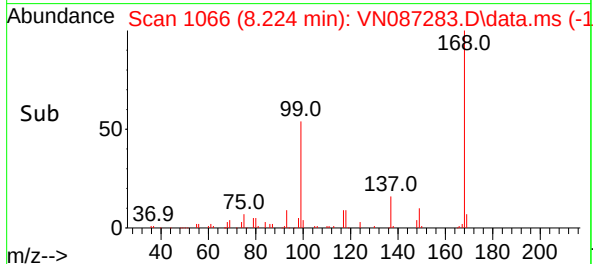
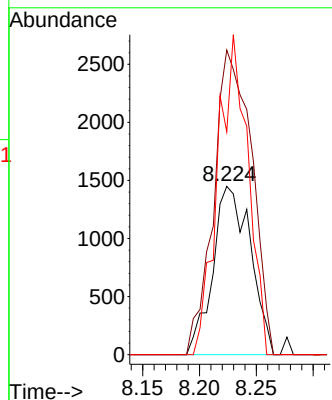
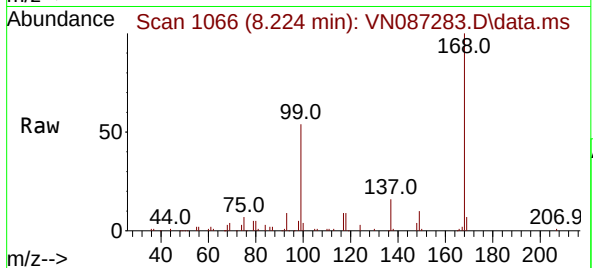




#31
Cyclohexane
Concen: 1.067 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:45

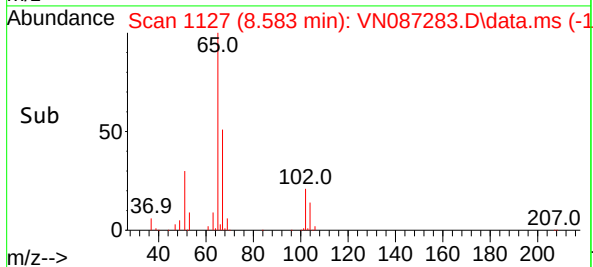
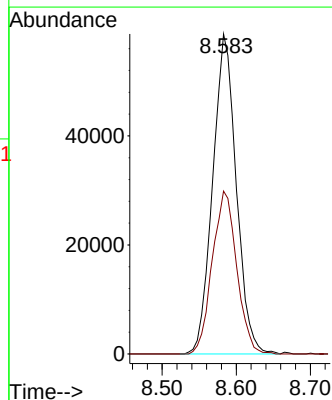
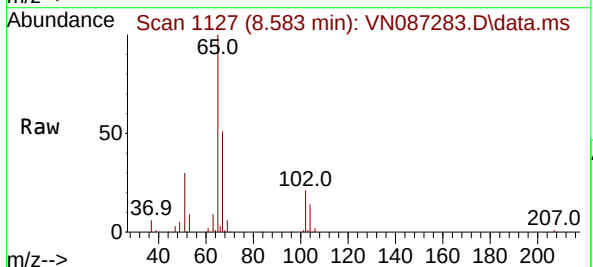
Instrument :
MSVOA_N
ClientSampleId :
VN0707MBL01

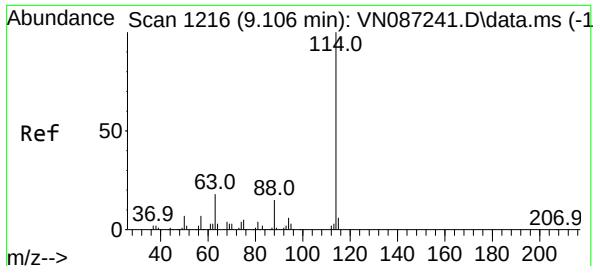
Tgt Ion: 56 Resp: 3347
Ion Ratio Lower Upper
56 100
69 181.0 27.0 40.6#
84 132.4 86.2 129.4#



#33
1,2-Dichloroethane-d4
Concen: 56.266 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:45

Tgt Ion: 65 Resp: 129549
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087283.D

Acq: 07 Jul 2025 10:45

Instrument :

MSVOA_N

ClientSampleId :

VN0707MBL01

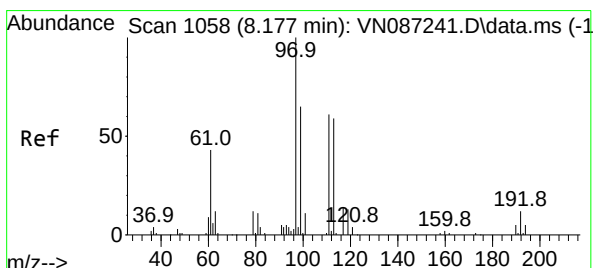
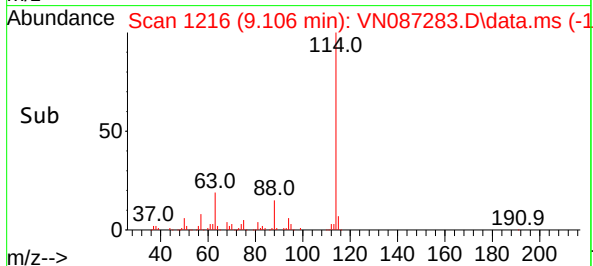
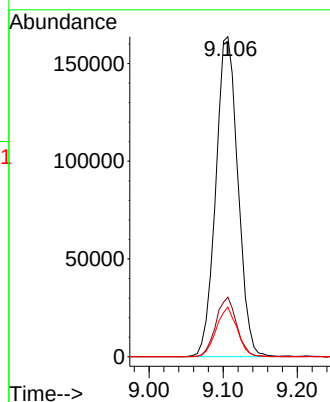
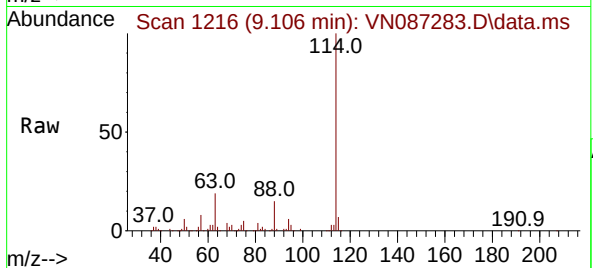
Tgt Ion:114 Resp: 339704

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.6

88 15.5 0.0 29.6



#35

Dibromofluoromethane

Concen: 52.086 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN087283.D

Acq: 07 Jul 2025 10:45

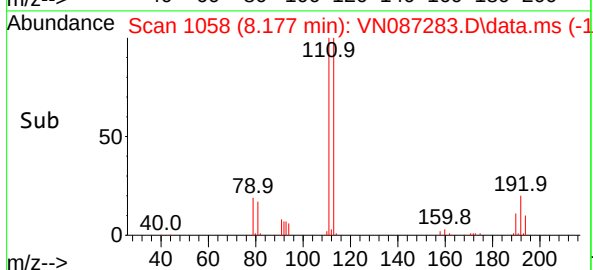
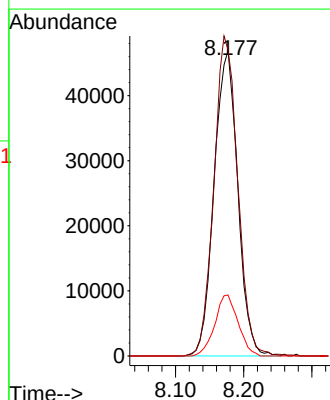
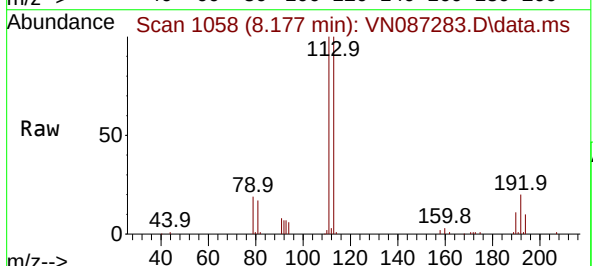
Tgt Ion:113 Resp: 113295

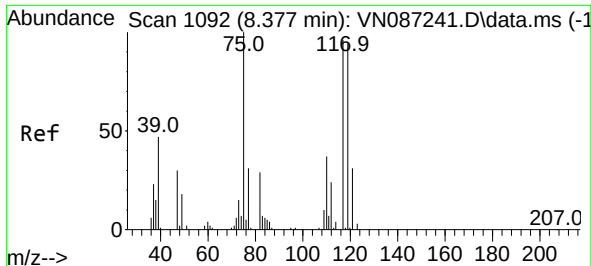
Ion Ratio Lower Upper

113 100

111 105.1 81.4 122.2

192 19.6 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.100 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087283.D

Acq: 07 Jul 2025 10:45

Instrument :

MSVOA_N

ClientSampleId :

VN0707MBL01

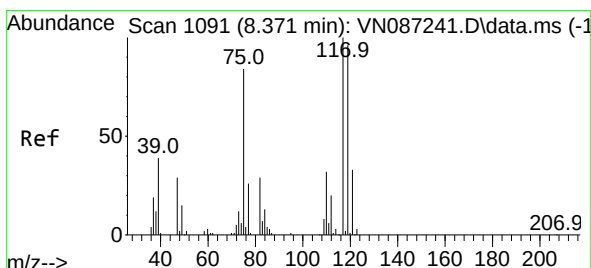
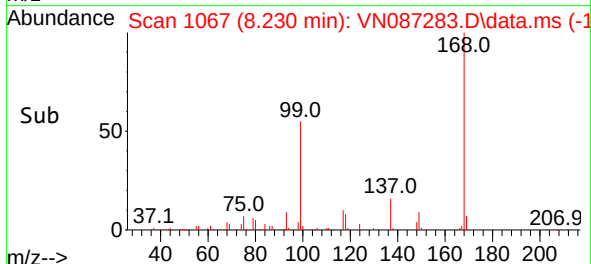
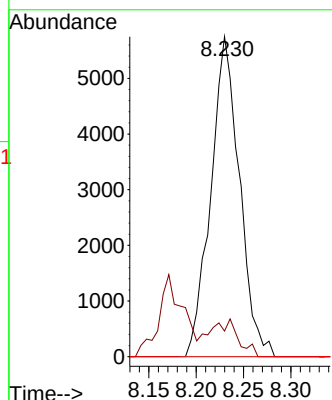
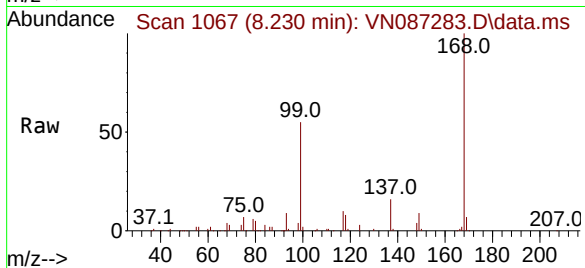
Tgt Ion: 75 Resp: 12128

Ion Ratio Lower Upper

75 100

110 9.5 18.7 56.1#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.053 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087283.D

Acq: 07 Jul 2025 10:45

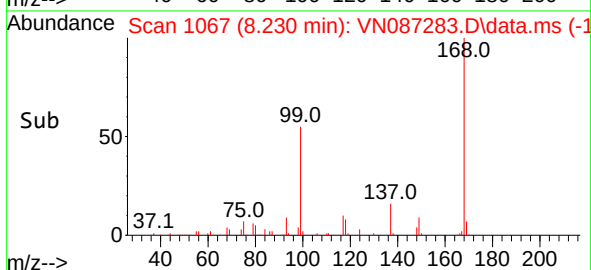
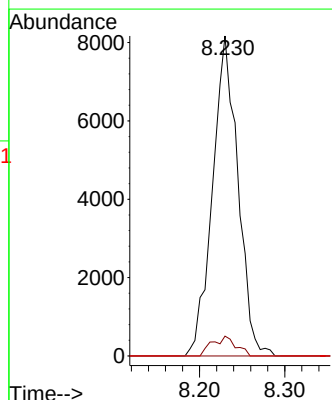
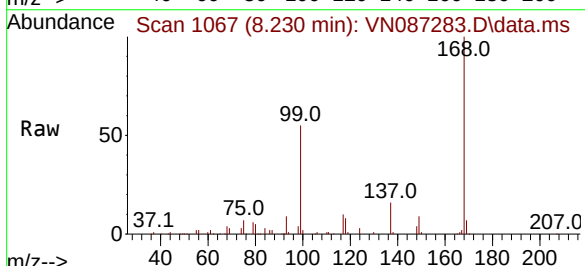
Tgt Ion: 117 Resp: 16935

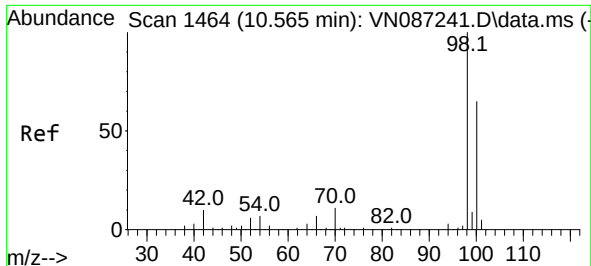
Ion Ratio Lower Upper

117 100

119 6.2 77.2 115.8#

121 0.0 26.6 39.8#

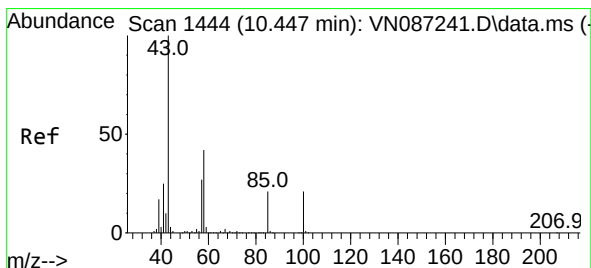
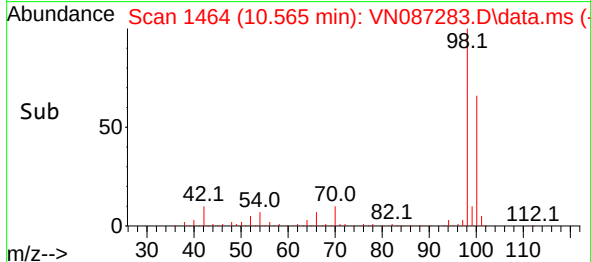
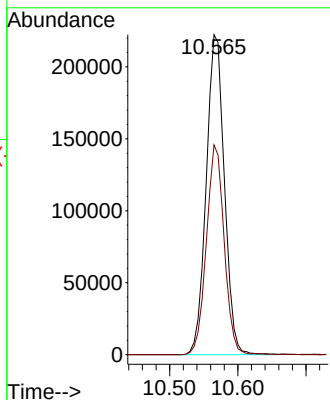
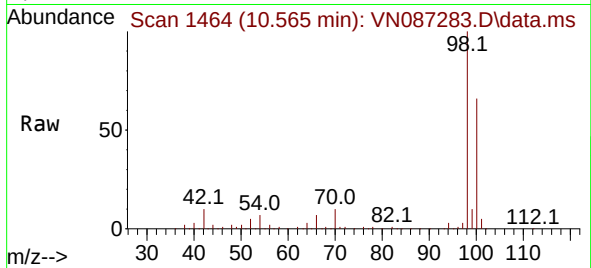




#50
Toluene-d8
Concen: 48.656 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:45

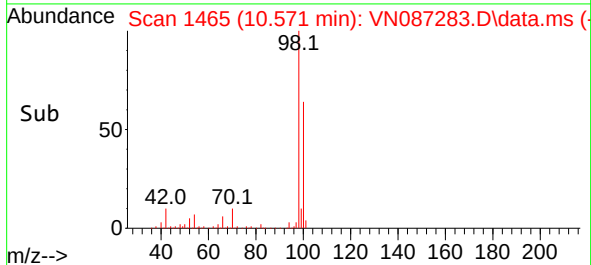
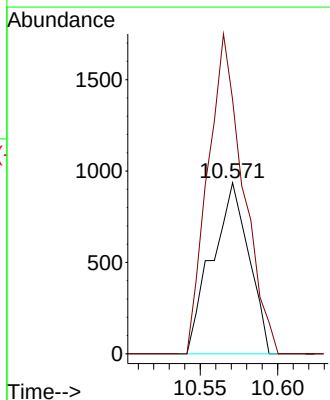
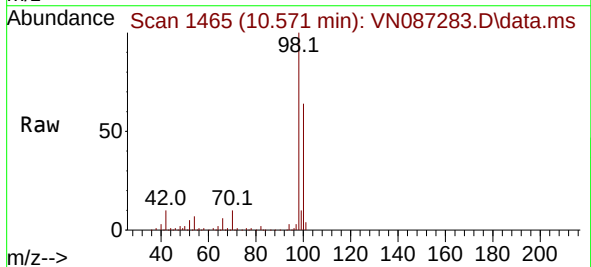
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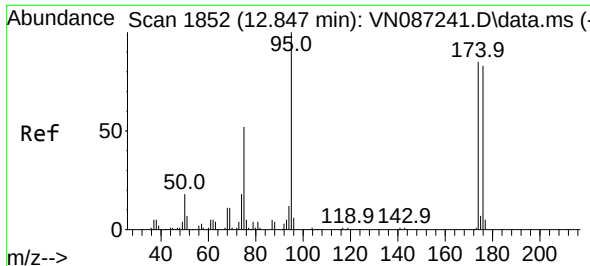
Tgt Ion: 98 Resp: 412523
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.513 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:45

Tgt Ion: 43 Resp: 1547
Ion Ratio Lower Upper
43 100
58 179.6 34.2 51.2#

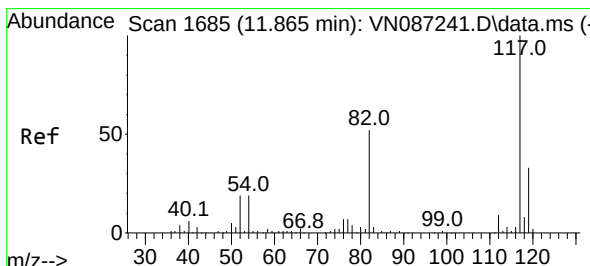
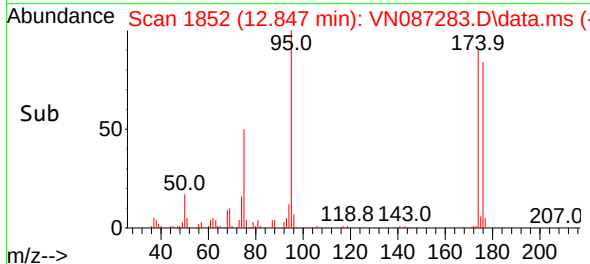
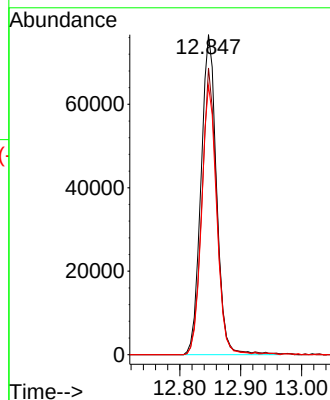
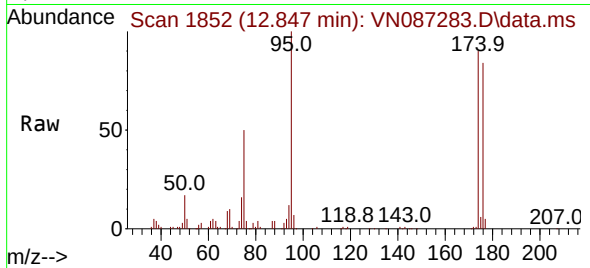




#62
4-Bromofluorobenzene
Concen: 45.167 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:45

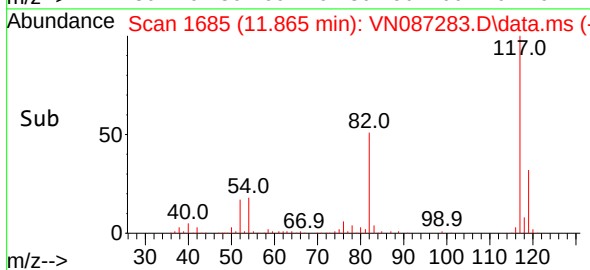
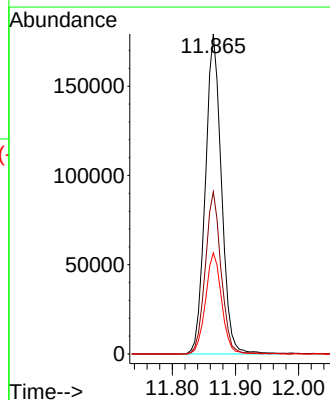
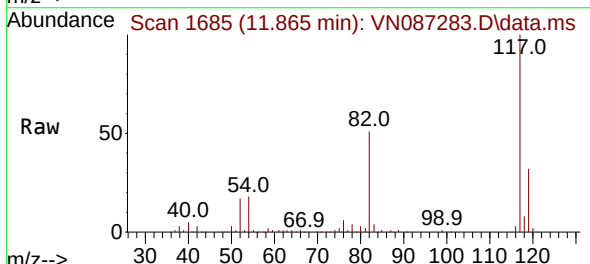
Instrument :
MSVOA_N
ClientSampleId :
VN0707MBL01

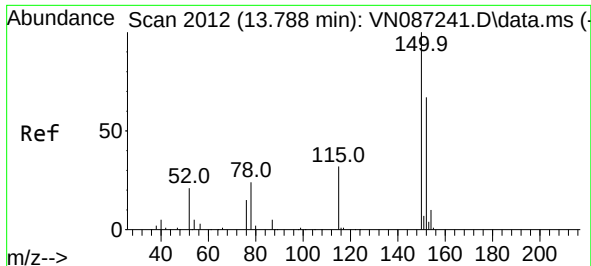
Tgt Ion: 95 Resp: 136254
Ion Ratio Lower Upper
95 100
174 85.2 0.0 169.6
176 81.4 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:45

Tgt Ion: 117 Resp: 317463
Ion Ratio Lower Upper
117 100
82 50.7 41.9 62.9
119 31.6 26.2 39.4

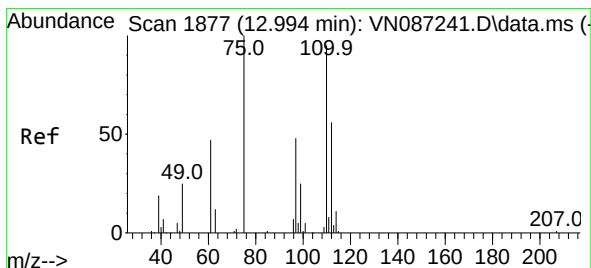
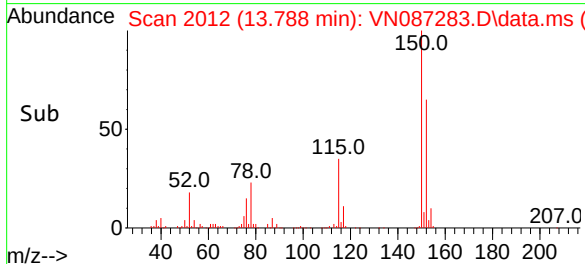
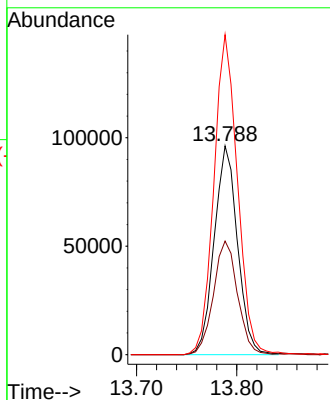
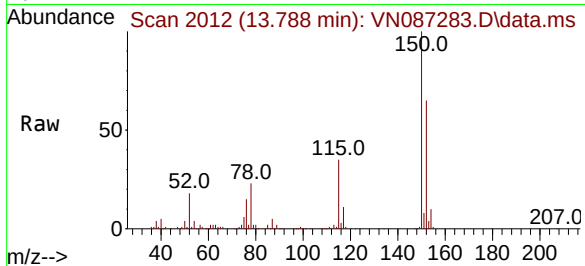




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN087283.D
 Acq: 07 Jul 2025 10:45

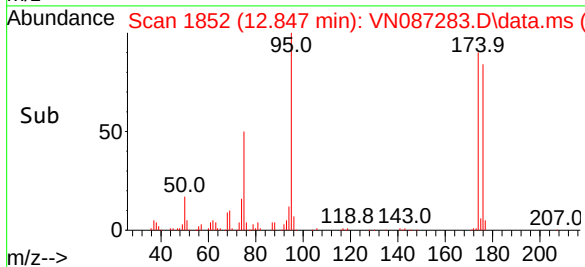
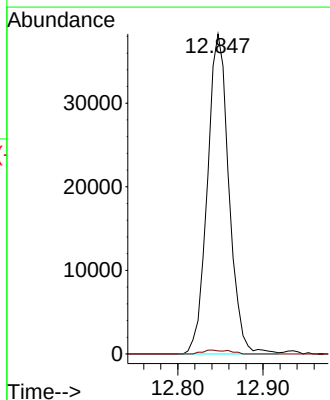
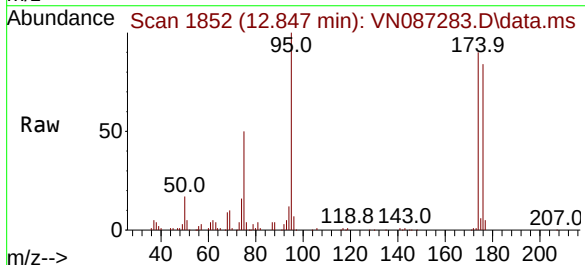
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0707MBL01

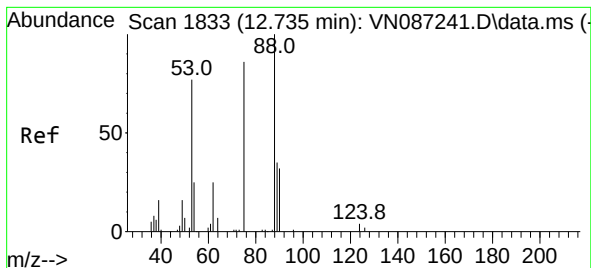
Tgt Ion:152 Resp: 155374
 Ion Ratio Lower Upper
 152 100
 115 56.5 28.3 84.9
 150 155.2 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 22.788 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087283.D
 Acq: 07 Jul 2025 10:45

Tgt Ion: 75 Resp: 67346
 Ion Ratio Lower Upper
 75 100
 77 1.5 82.0 245.8#

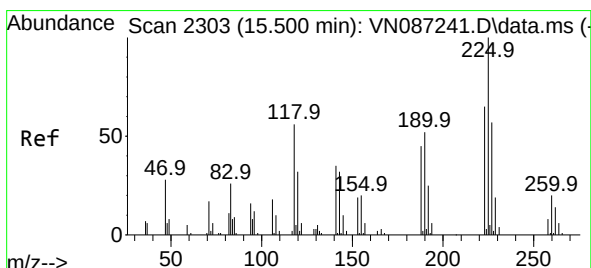
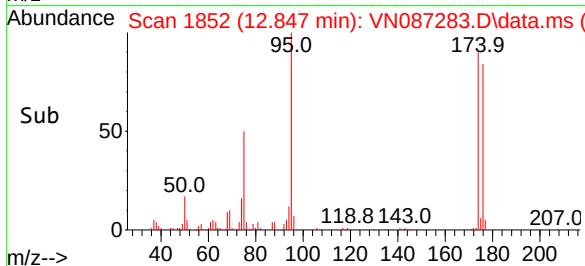
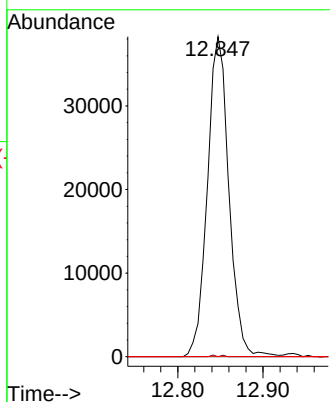
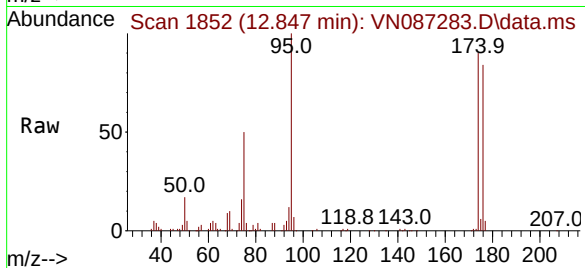




#81
trans-1,4-Dichloro-2-butene
Concen: 53.527 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0707MBL01

Tgt Ion: 75 Resp: 67346
Ion Ratio Lower Upper
75 100
53 0.2 70.6 105.8#
89 0.0 36.1 54.1#



#94
Hexachlorobutadiene
Concen: 0.628 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN087283.D
Acq: 07 Jul 2025 10:45

Tgt Ion: 225 Resp: 574
Ion Ratio Lower Upper
225 100
223 12.9 33.5 100.4#
227 10.6 30.9 92.7#

