

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087554.D
 Acq On : 14 Aug 2025 10:32
 Operator : JC\MD
 Sample : VN0814WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 15:23:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

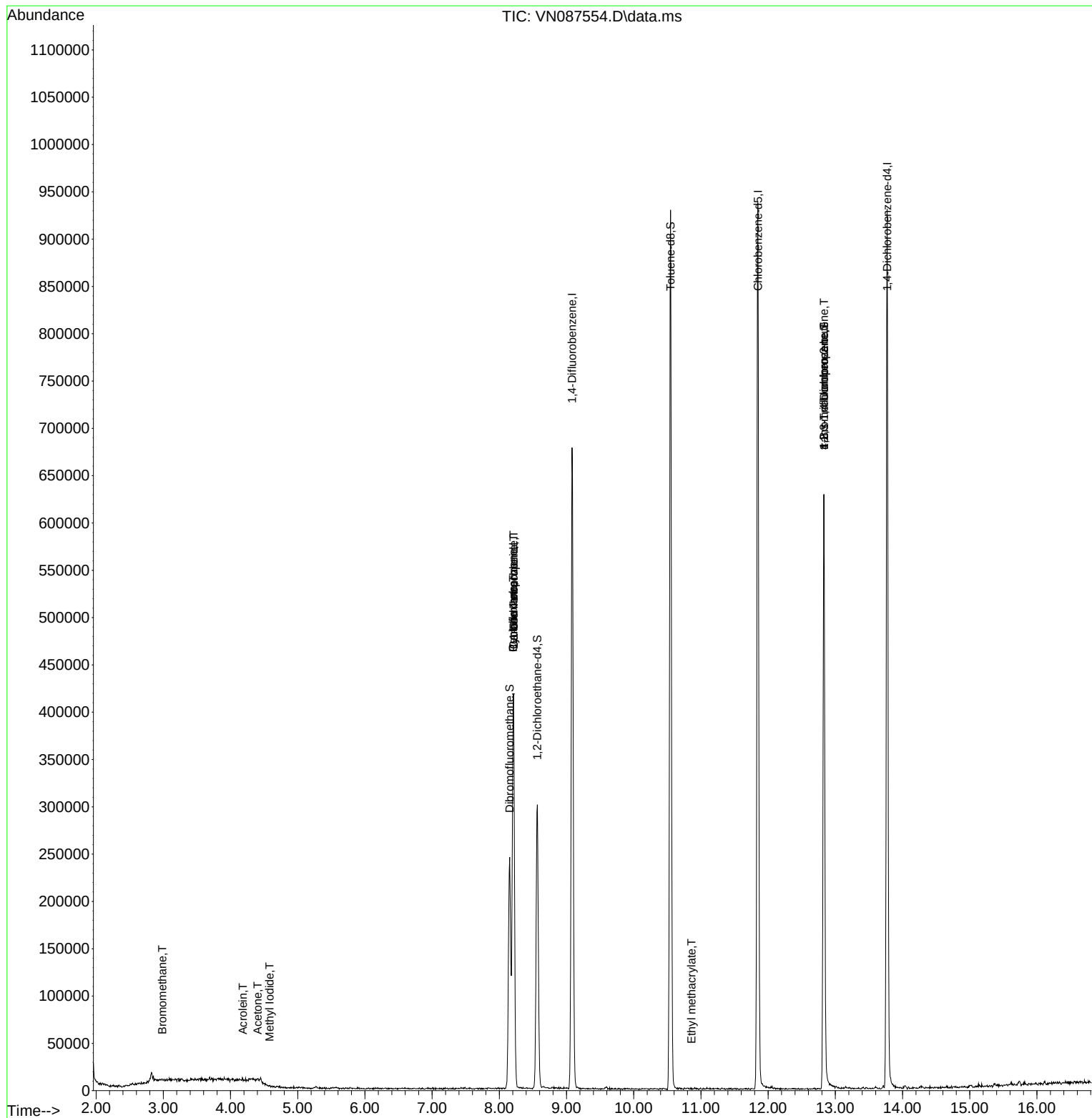
Internal Standards						
1) Pentafluorobenzene	8.206	168	284398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	560321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	503771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	234765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	255137	52.871	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.740%			
35) Dibromofluoromethane	8.153	113	170840	44.201	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.400%			
50) Toluene-d8	10.547	98	608969	44.169	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.340%			
62) 4-Bromofluorobenzene	12.829	95	222642	43.709	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.420%			
Target Compounds						Qvalue
5) Bromomethane	2.983	94	427	0.218	ug/l #	75
10) Methyl Iodide	4.583	142	394	5.750	ug/l #	40
13) Acrolein	4.183	56	1121	1.524	ug/l	96
16) Acetone	4.407	43	1281	0.566	ug/l	93
20) Methylene Chloride	5.265	84	1075	Below Cal	#	60
31) Cyclohexane	8.206	56	8728	1.471	ug/l #	23
36) 1,1-Dichloropropene	8.212	75	29545	5.786	ug/l #	50
38) Carbon Tetrachloride	8.212	117	33476	5.951	ug/l #	14
56) Ethyl methacrylate	10.859	69	63	0.644	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	130659	24.819	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	130659	67.910	ug/l #	8

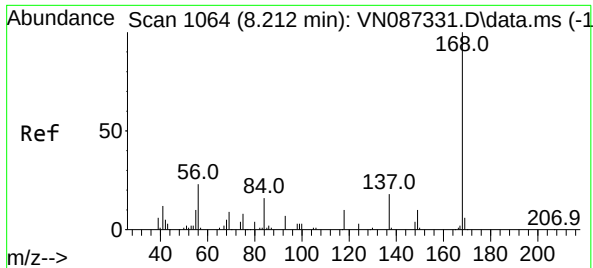
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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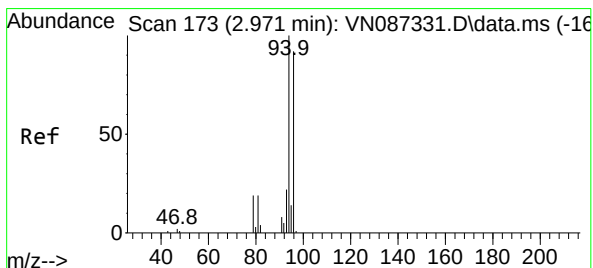
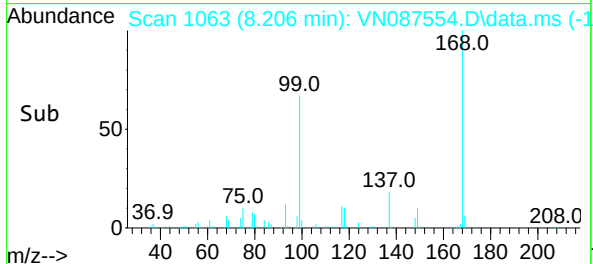
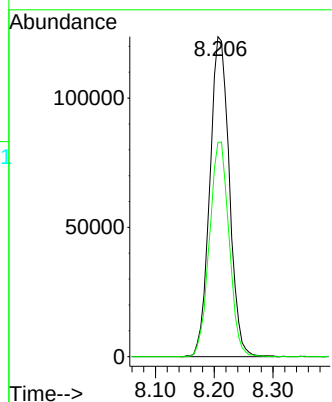
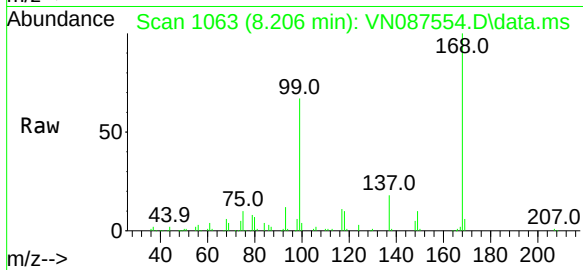




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

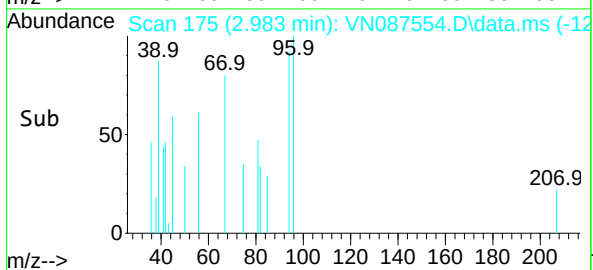
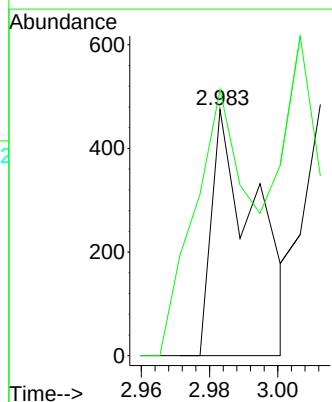
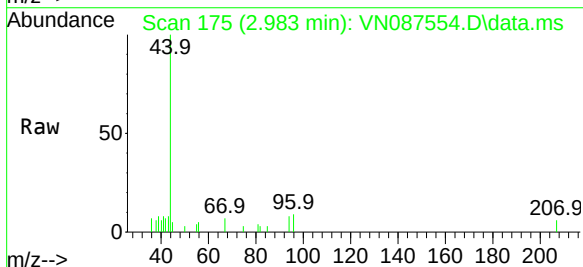
Instrument :
MSVOA_N
ClientSampleId :

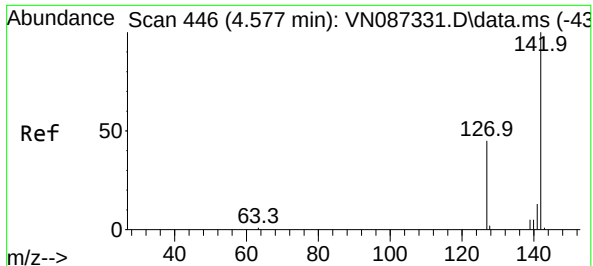
Tgt Ion:168 Resp: 284398
Ion Ratio Lower Upper
168 100
99 67.0 47.9 71.9



#5
Bromomethane
Concen: 0.218 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.012 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

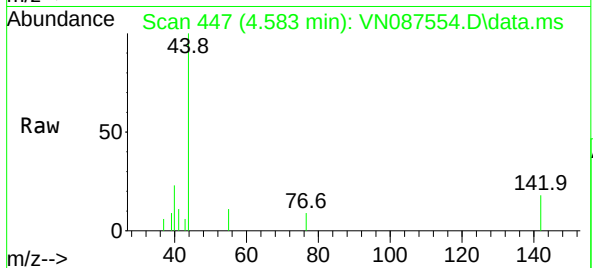
Tgt Ion: 94 Resp: 427
Ion Ratio Lower Upper
94 100
96 67.6 73.4 110.2#



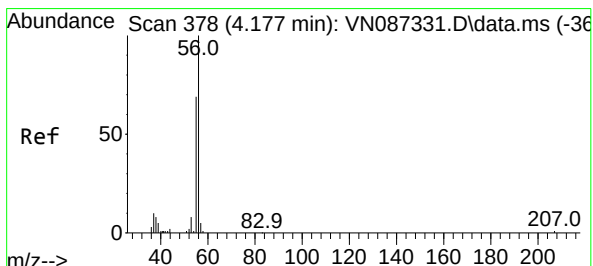
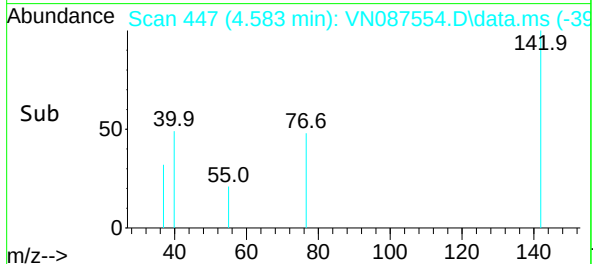
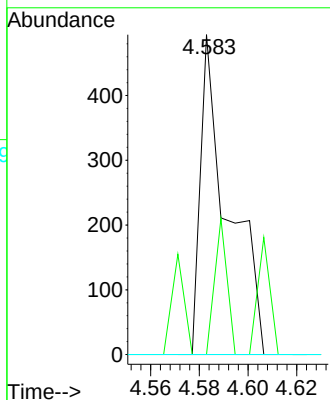


#10
Methyl Iodide
Concen: 5.750 ug/l
RT: 4.583 min Scan# 44
Delta R.T. 0.006 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Instrument :
MSVOA_N
ClientSampleId :

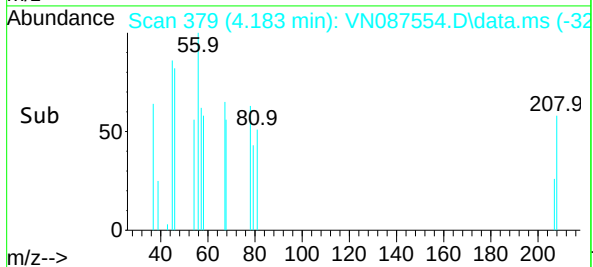
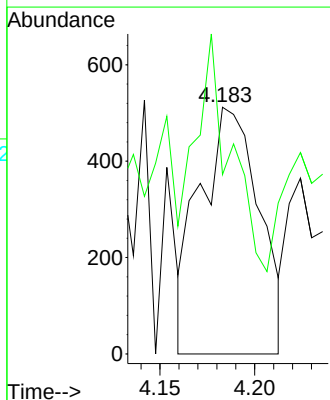
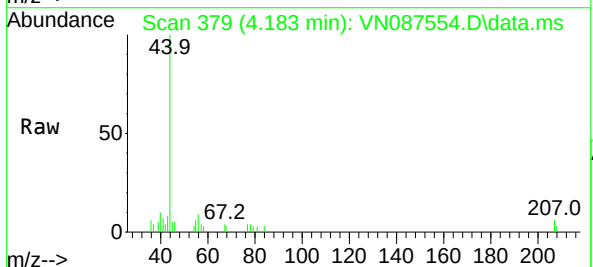


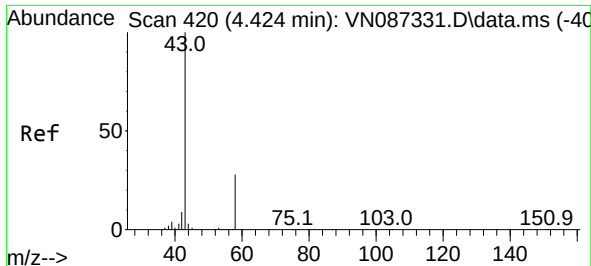
Tgt Ion:142 Resp: 394
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 10.4 15.6#



#13
Acrolein
Concen: 1.524 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Tgt Ion: 56 Resp: 1121
Ion Ratio Lower Upper
56 100
55 73.7 56.2 84.4

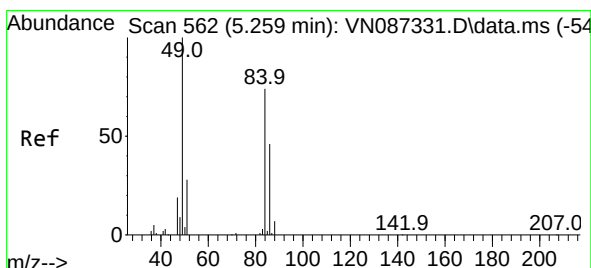
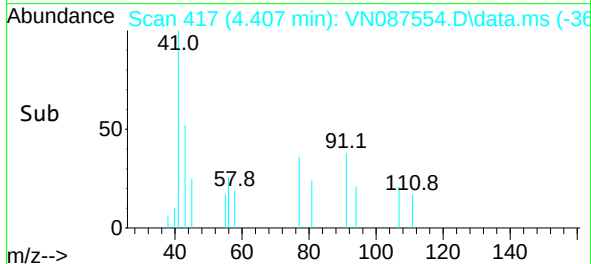
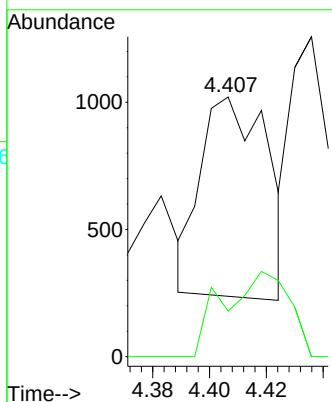
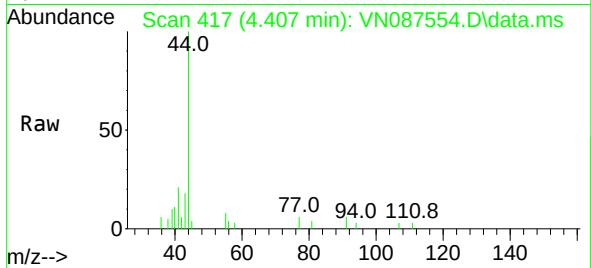




#16
Acetone
Concen: 0.566 ug/l
RT: 4.407 min Scan# 41
Delta R.T. -0.017 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

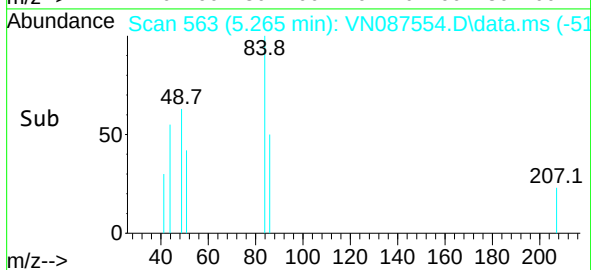
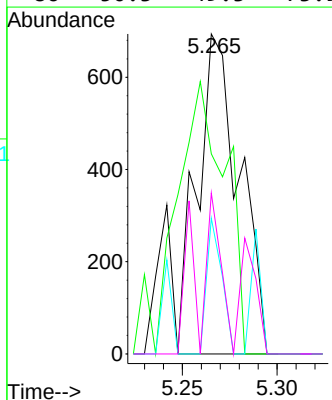
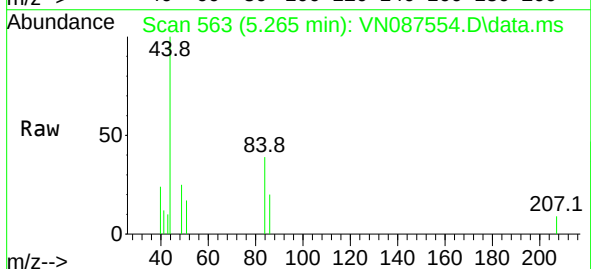
Instrument :
MSVOA_N
ClientSampleId :

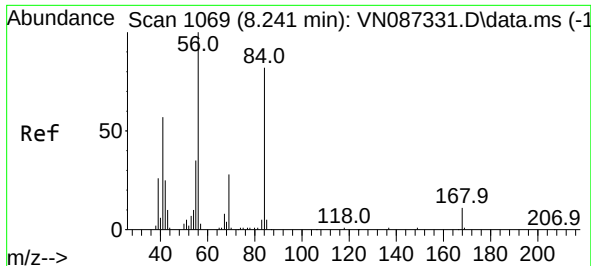
Tgt Ion: 43 Resp: 1281
Ion Ratio Lower Upper
43 100
58 31.7 22.3 33.5



#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 563
Delta R.T. 0.006 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

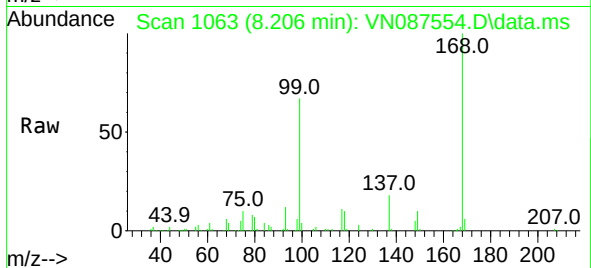
Tgt Ion: 84 Resp: 1075
Ion Ratio Lower Upper
84 100
49 62.5 107.5 161.3#
51 42.4 30.2 45.2
86 50.3 49.3 73.9



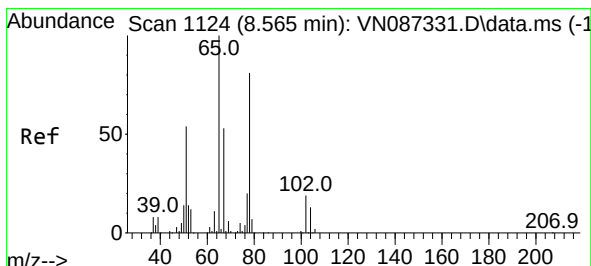
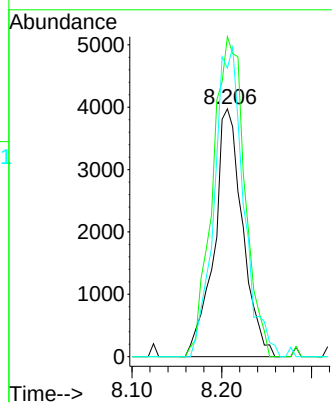
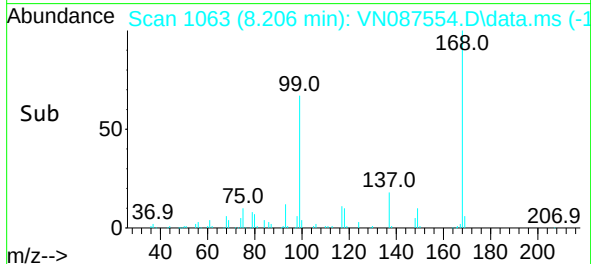


#31
Cyclohexane
Concen: 1.471 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.035 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Instrument :
MSVOA_N
ClientSampleId :

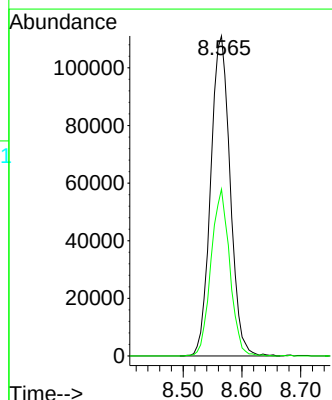
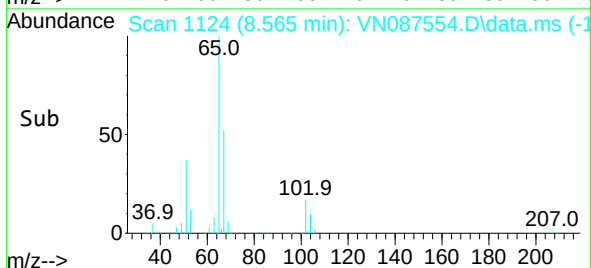
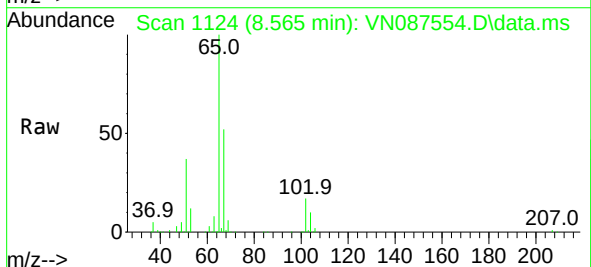


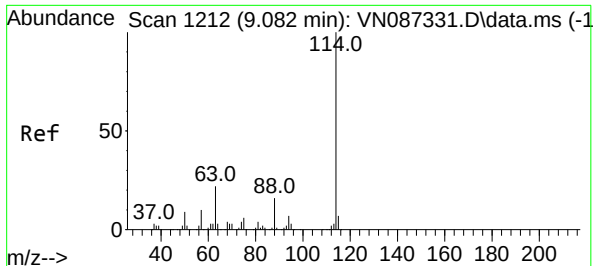
Tgt Ion: 56 Resp: 8728
Ion Ratio Lower Upper
56 100
69 129.1 22.7 34.1#
84 116.5 65.8 98.6#



#33
1,2-Dichloroethane-d4
Concen: 52.871 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Tgt Ion: 65 Resp: 255137
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.001 min

Lab File: VN087554.D

Acq: 14 Aug 2025 10:32

Instrument :

MSVOA_N

ClientSampleId :

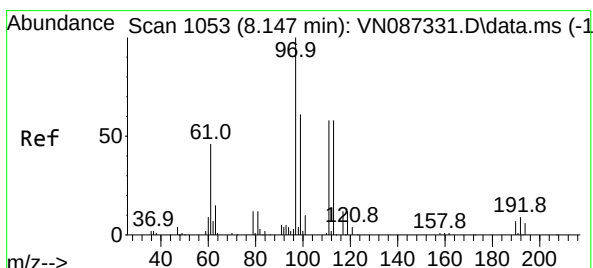
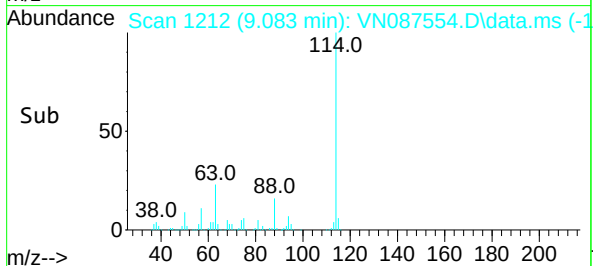
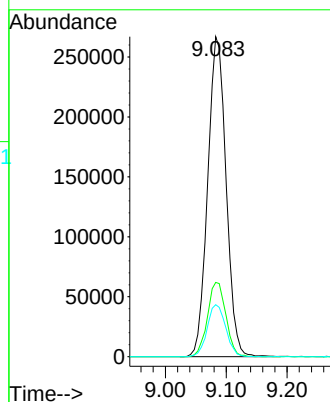
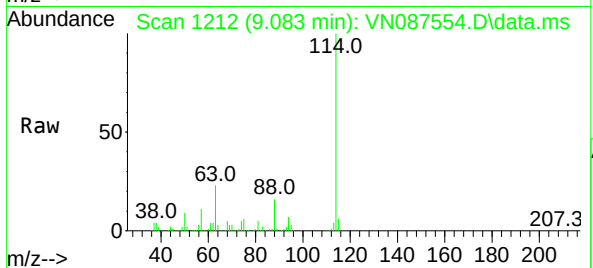
Tgt Ion:114 Resp: 560321

Ion Ratio Lower Upper

114 100

63 23.2 0.0 44.6

88 16.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 44.201 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087554.D

Acq: 14 Aug 2025 10:32

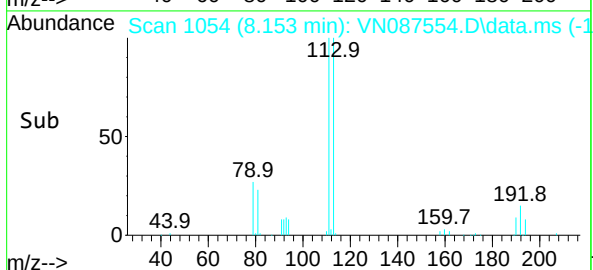
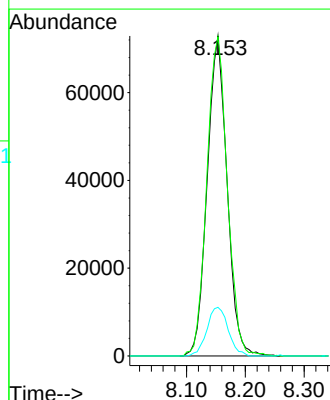
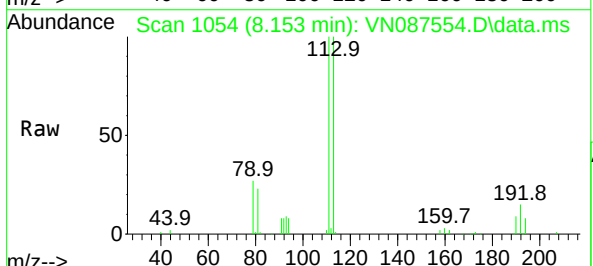
Tgt Ion:113 Resp: 170840

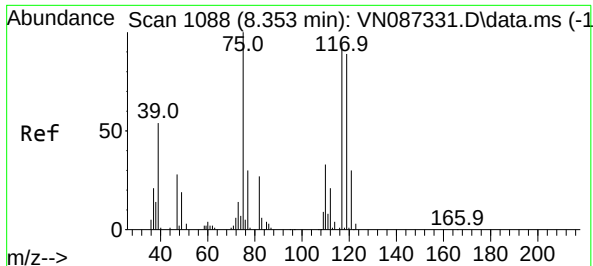
Ion Ratio Lower Upper

113 100

111 103.1 82.5 123.7

192 16.3 13.7 20.5





#36

1,1-Dichloropropene

Concen: 5.786 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087554.D

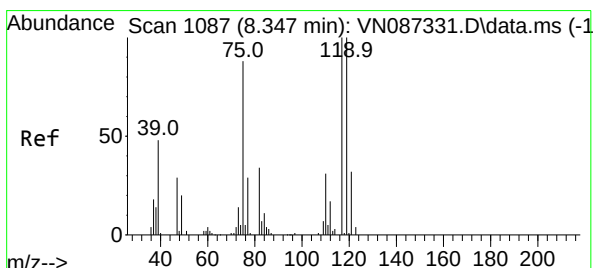
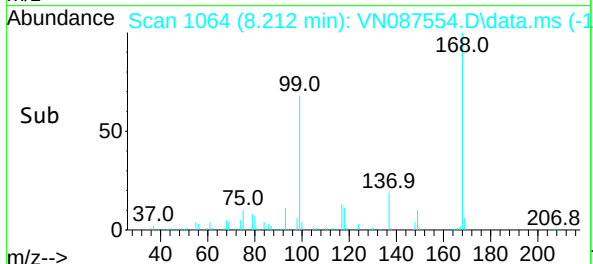
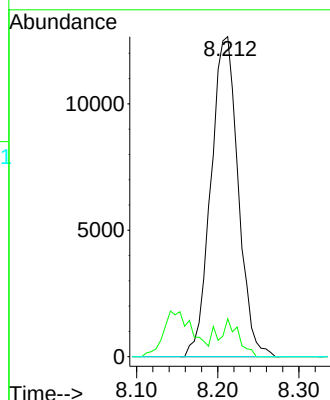
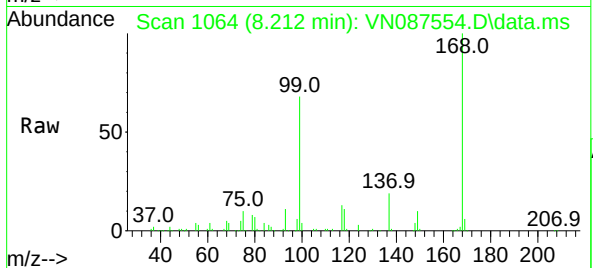
Acq: 14 Aug 2025 10:32

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	29545
Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.7	50.1#
77	0.0	25.2	37.8#



#38

Carbon Tetrachloride

Concen: 5.951 ug/l

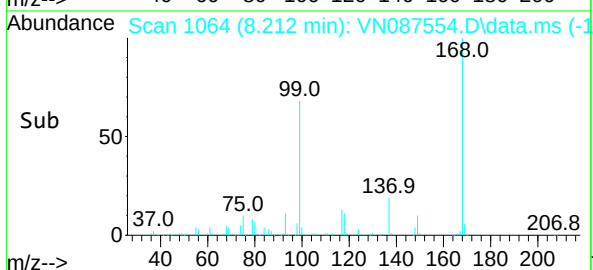
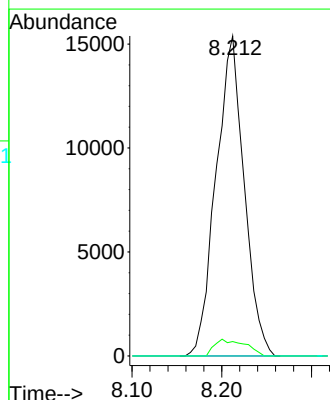
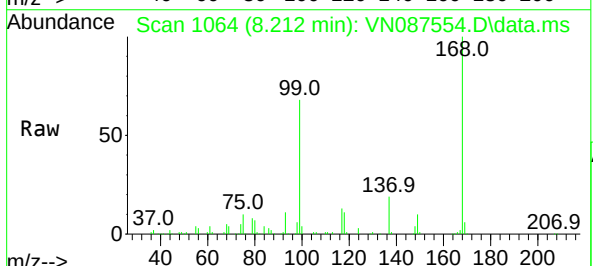
RT: 8.212 min Scan# 1064

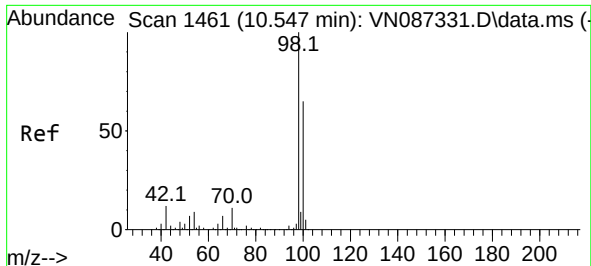
Delta R.T. -0.135 min

Lab File: VN087554.D

Acq: 14 Aug 2025 10:32

Tgt Ion:	117	Resp:	33476
Ion	Ratio	Lower	Upper
117	100		
119	4.5	80.2	120.2#
121	0.0	25.4	38.2#

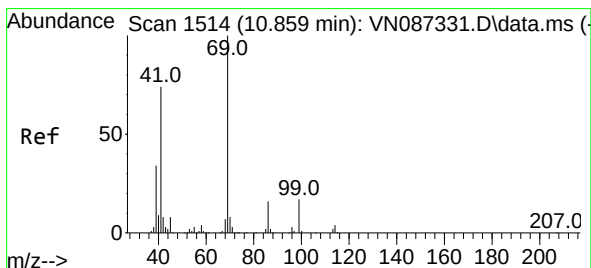
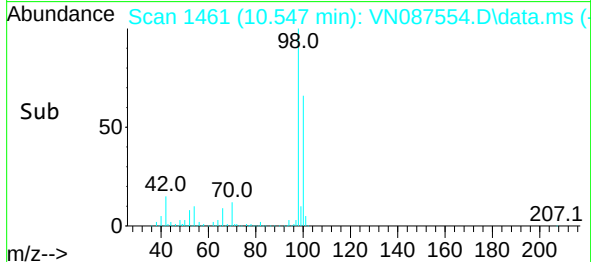
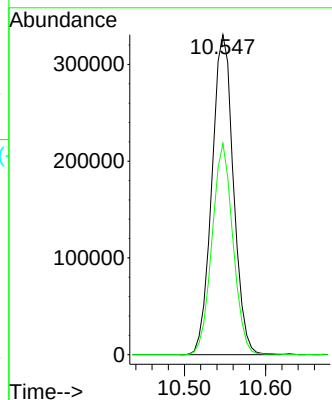
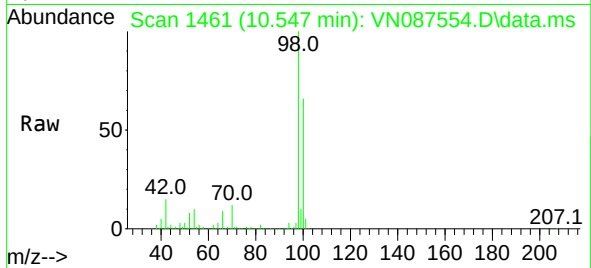




#50
Toluene-d8
Concen: 44.169 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

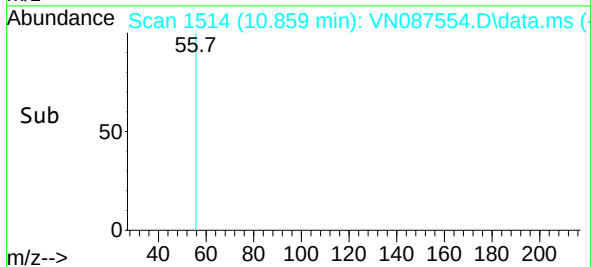
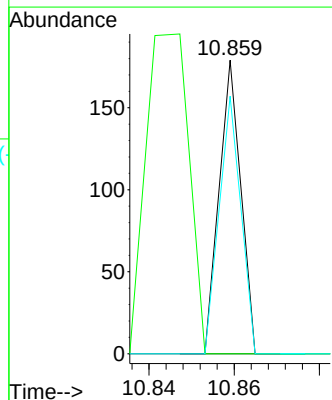
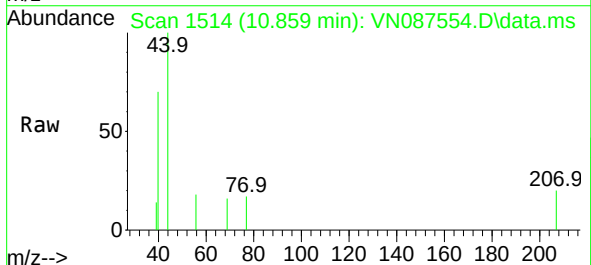
Instrument :
MSVOA_N
ClientSampleId :

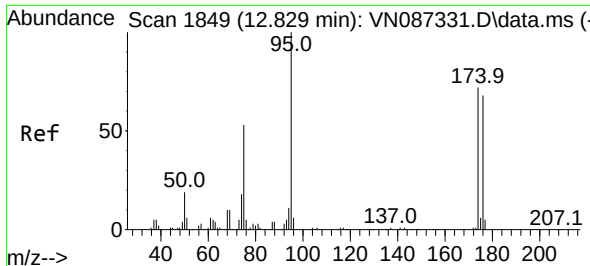
Tgt Ion: 98 Resp: 608969
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#56
Ethyl methacrylate
Concen: 0.644 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Tgt Ion: 69 Resp: 63
Ion Ratio Lower Upper
69 100
41 217.5 55.1 82.7#
39 87.3 27.9 41.9#

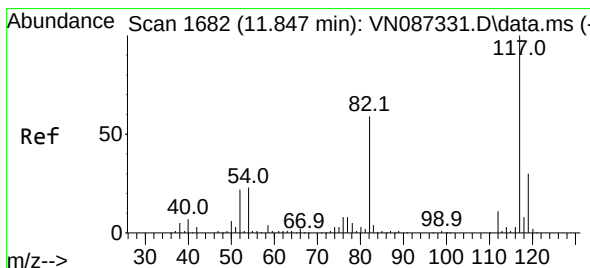
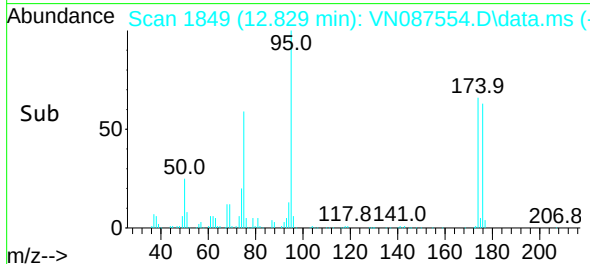
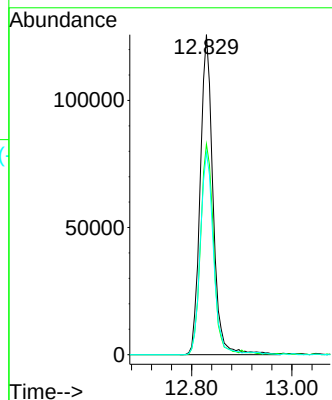
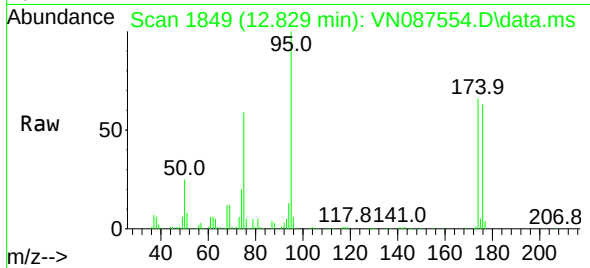




#62
4-Bromofluorobenzene
Concen: 43.709 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

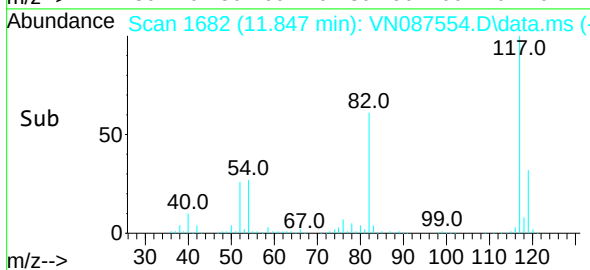
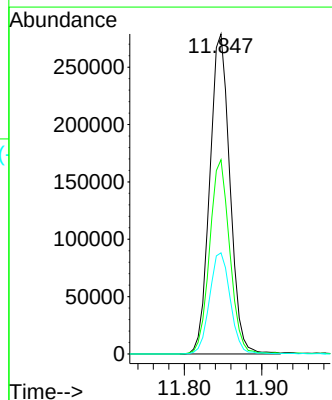
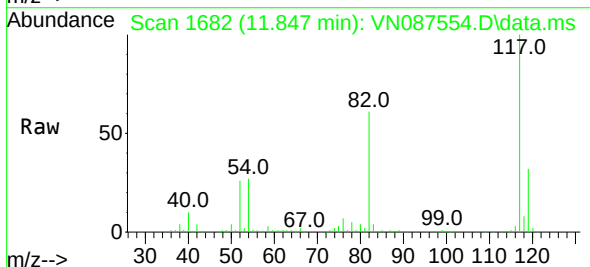
Instrument :
MSVOA_N
ClientSampleId :

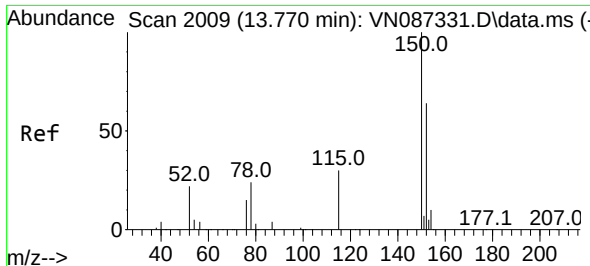
Tgt Ion: 95 Resp: 222642
Ion Ratio Lower Upper
95 100
174 66.5 0.0 149.4
176 64.9 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

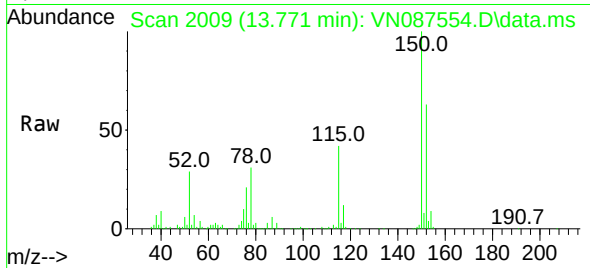
Tgt Ion: 117 Resp: 503771
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 31.6 23.8 35.8



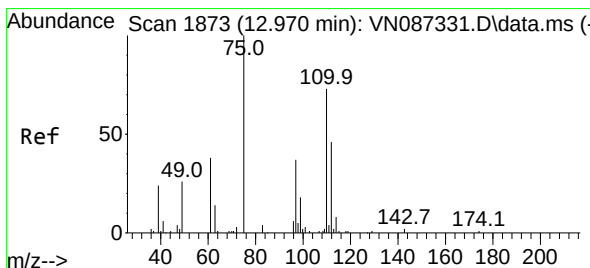
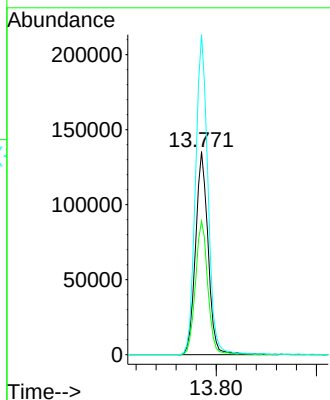
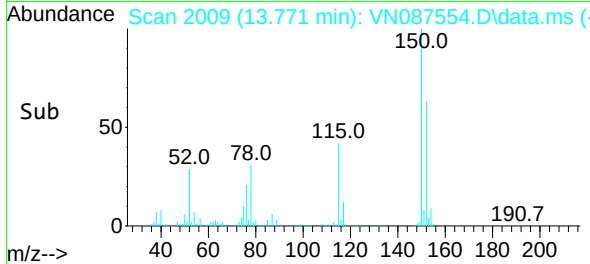


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN087554.D
 Acq: 14 Aug 2025 10:32

Instrument :
 MSVOA_N
 ClientSampleId :

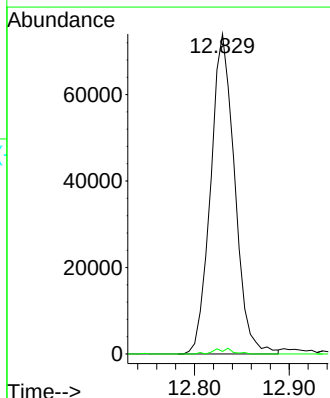
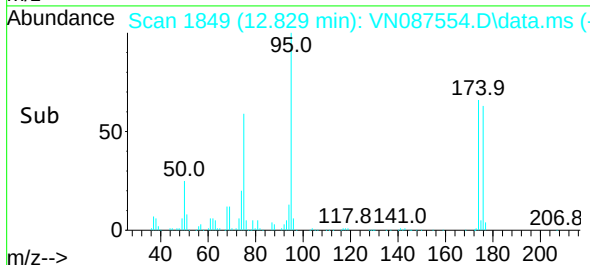
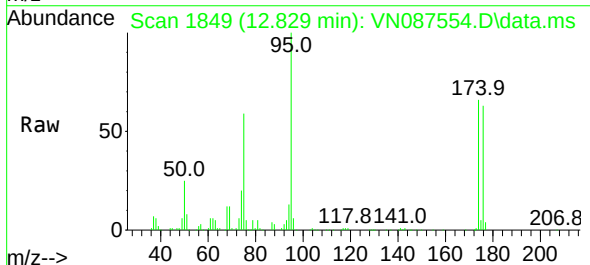


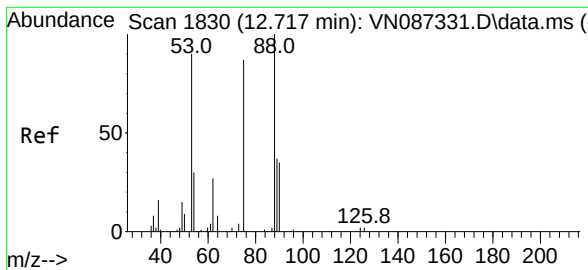
Tgt Ion:152 Resp: 234765
 Ion Ratio Lower Upper
 152 100
 115 64.5 31.1 93.5
 150 156.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.819 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087554.D
 Acq: 14 Aug 2025 10:32

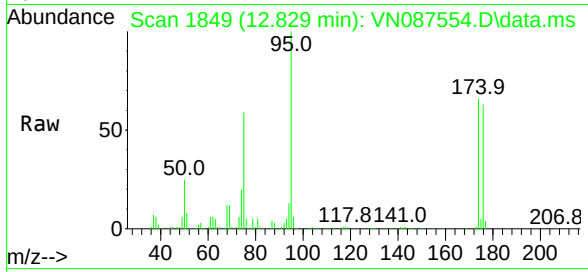
Tgt Ion: 75 Resp: 130659
 Ion Ratio Lower Upper
 75 100
 77 1.3 94.5 283.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 67.910 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 130659
Ion Ratio Lower Upper
75 100
53 0.1 83.5 125.3#
89 0.0 38.4 57.6#

