

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
 Data File : VN087794.D
 Acq On : 11 Sep 2025 13:45
 Operator : JC\MD
 Sample : VN0911WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBL01

Quant Time: Sep 12 02:51:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

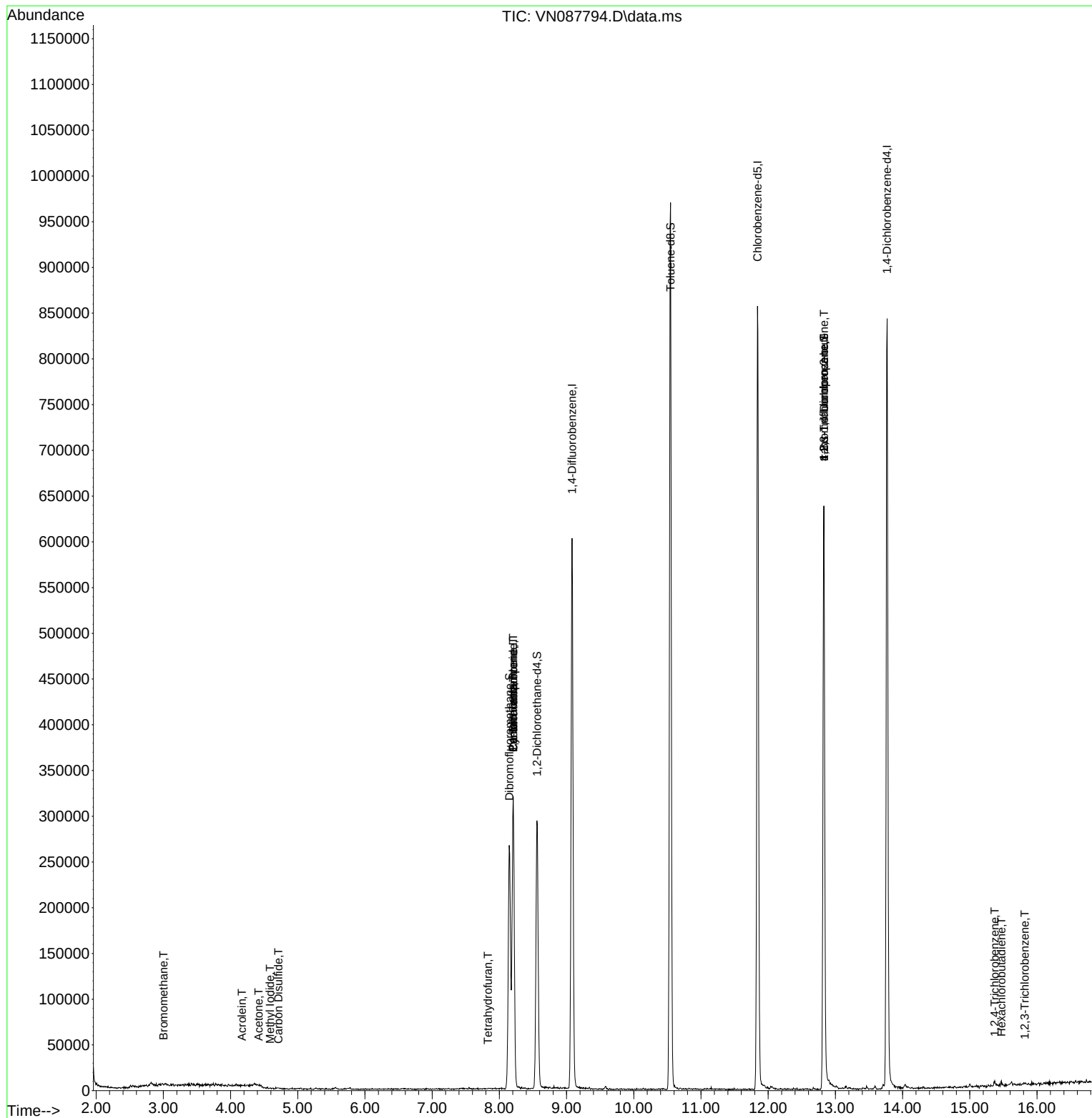
Internal Standards						
1) Pentafluorobenzene	8.206	168	217125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	505649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	478608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	224924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	244785	55.025	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.040%			
35) Dibromofluoromethane	8.147	113	189613	51.938	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.880%			
50) Toluene-d8	10.547	98	648133	47.433	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.860%			
62) 4-Bromofluorobenzene	12.829	95	222270	45.740	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.480%			
Target Compounds						Qvalue
5) Bromomethane	3.000	94	739	0.390	ug/l #	74
10) Methyl Iodide	4.589	142	247	6.904	ug/l #	38
13) Acrolein	4.171	56	417	0.439	ug/l #	50
16) Acetone	4.418	43	967	0.399	ug/l #	82
17) Carbon Disulfide	4.712	76	3120	0.362	ug/l #	89
20) Methylene Chloride	5.271	84	292	Below Cal	#	59
29) Tetrahydrofuran	7.830	42	429	0.209	ug/l #	34
31) Cyclohexane	8.206	56	6421	1.148	ug/l #	31
36) 1,1-Dichloropropene	8.206	75	20575	3.674	ug/l #	51
38) Carbon Tetrachloride	8.206	117	24559	4.441	ug/l #	17
76) 1,2,3-Trichloropropane	12.829	75	124771	23.655	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	124771	62.624	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.370	180	1865	0.388	ug/l #	73
94) Hexachlorobutadiene	15.470	225	894	0.522	ug/l #	62
96) 1,2,3-Trichlorobenzene	15.817	180	1039	0.221	ug/l	98

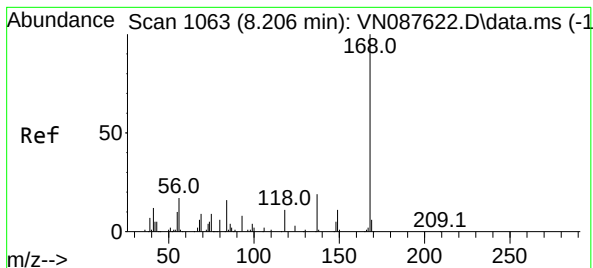
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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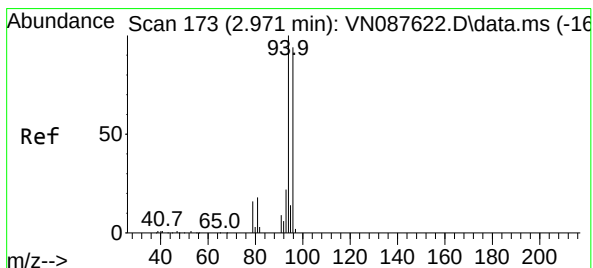
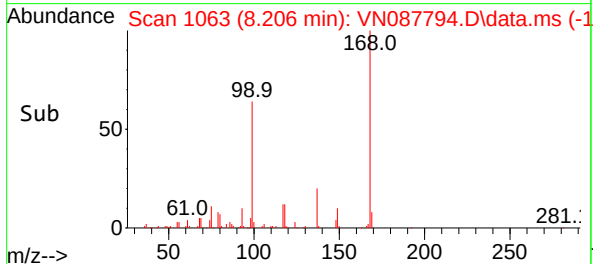
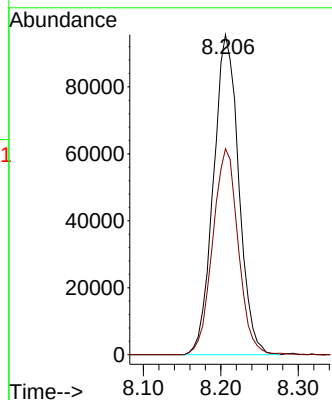
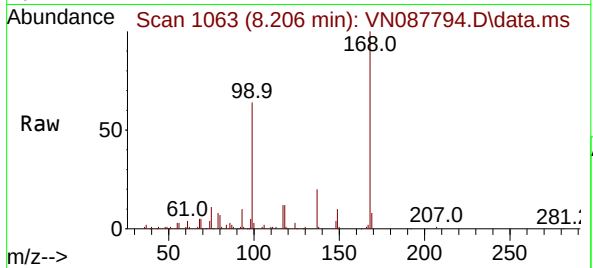




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

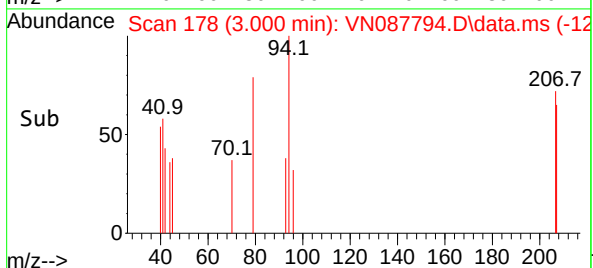
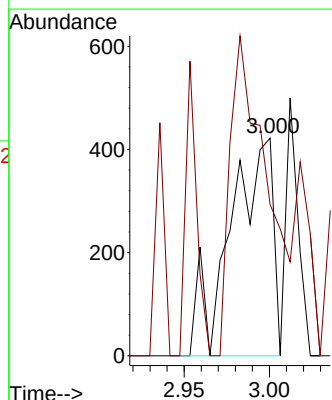
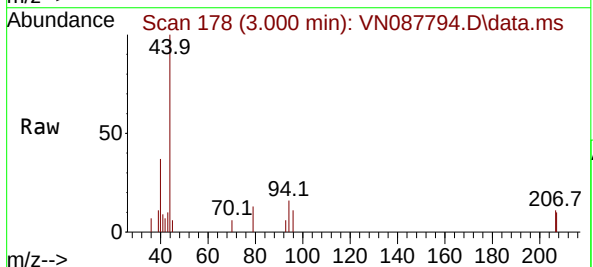
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

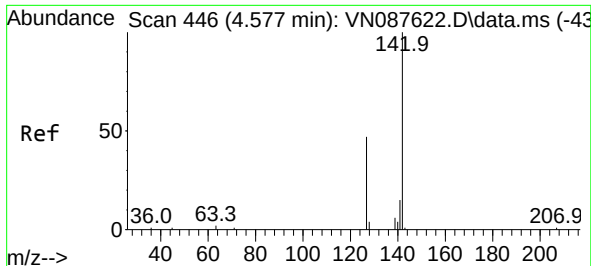
Tgt Ion:168 Resp: 217125
Ion Ratio Lower Upper
168 100
99 64.3 57.2 85.8



#5
Bromomethane
Concen: 0.390 ug/l
RT: 3.000 min Scan# 178
Delta R.T. 0.029 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

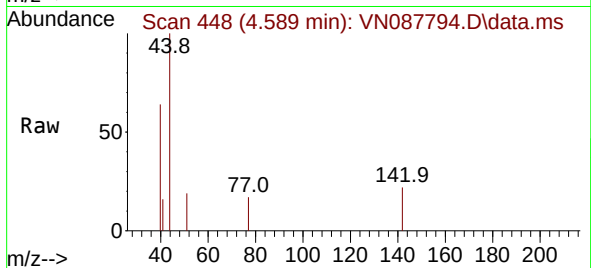
Tgt Ion: 94 Resp: 739
Ion Ratio Lower Upper
94 100
96 69.4 75.4 113.2#



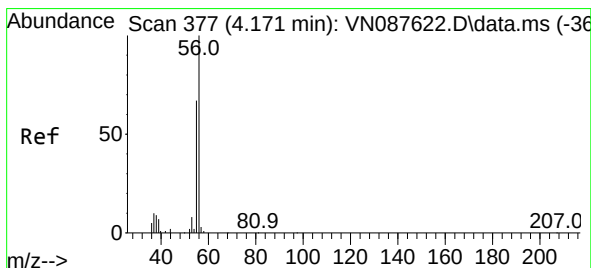
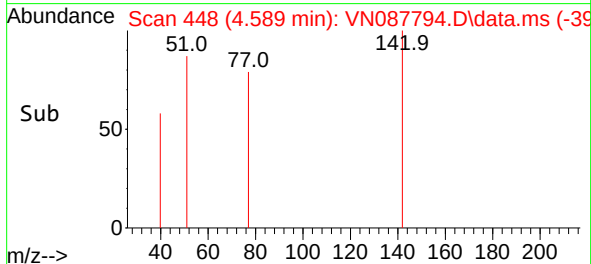
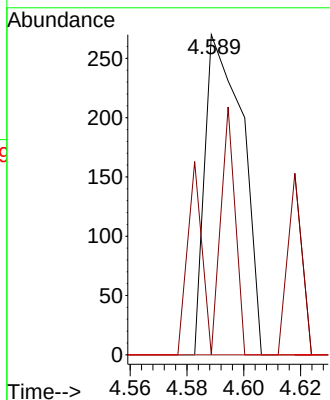


#10
Methyl Iodide
Concen: 6.904 ug/l
RT: 4.589 min Scan# 446
Delta R.T. 0.012 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

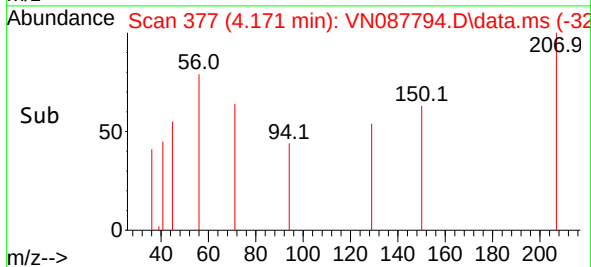
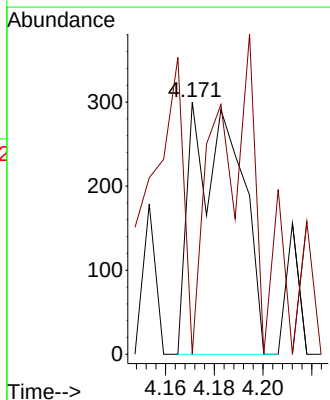
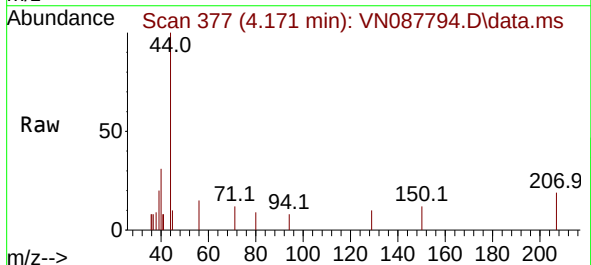


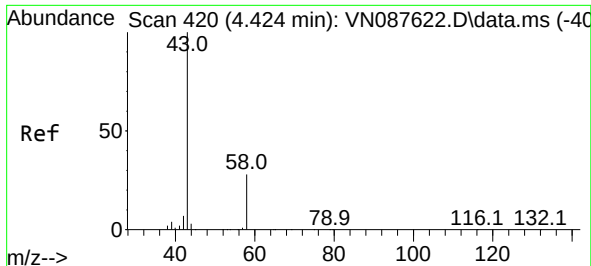
Tgt Ion:142 Resp: 247
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 0.439 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.000 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Tgt Ion: 56 Resp: 417
Ion Ratio Lower Upper
56 100
55 113.2 57.3 85.9#

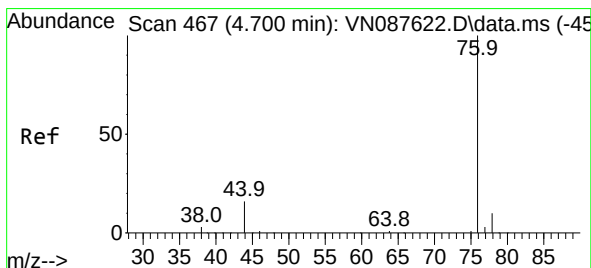
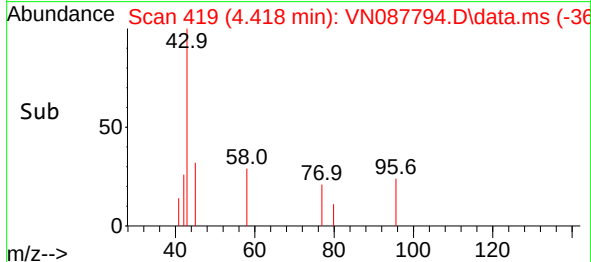
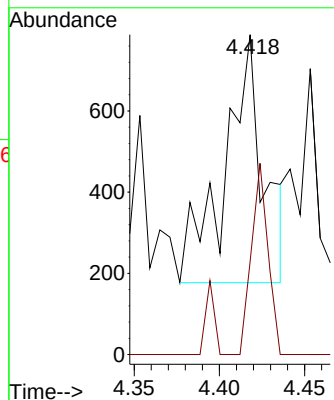
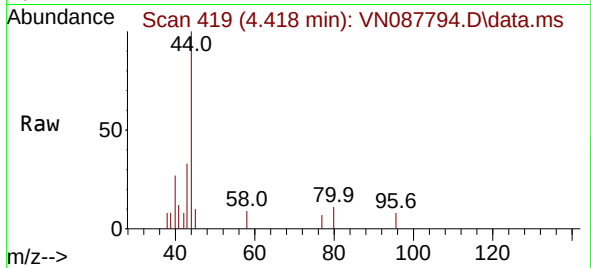




#16
Acetone
Concen: 0.399 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

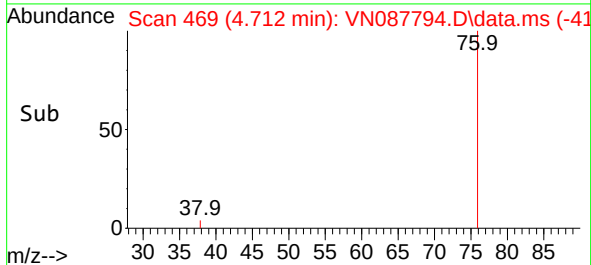
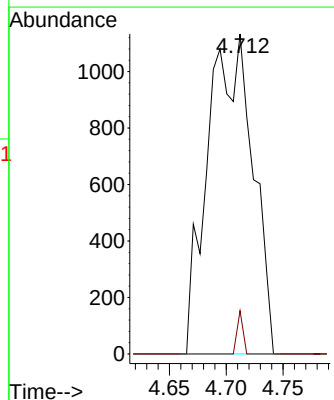
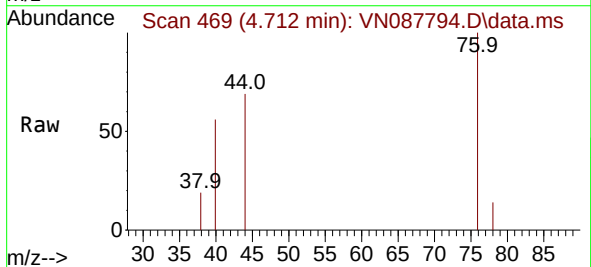
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

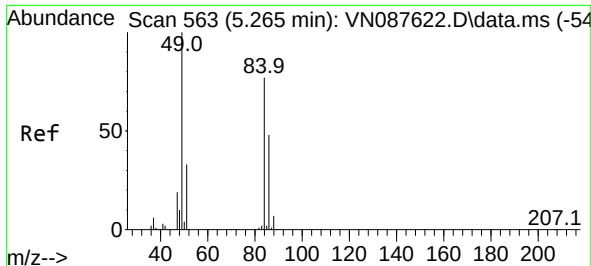
Tgt Ion: 43 Resp: 967
Ion Ratio Lower Upper
43 100
58 37.5 22.6 33.8#



#17
Carbon Disulfide
Concen: 0.362 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.012 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Tgt Ion: 76 Resp: 3120
Ion Ratio Lower Upper
76 100
78 13.5 7.6 11.4#



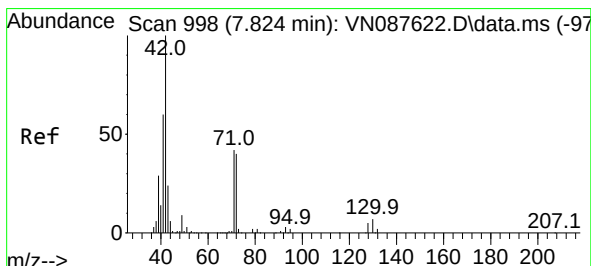
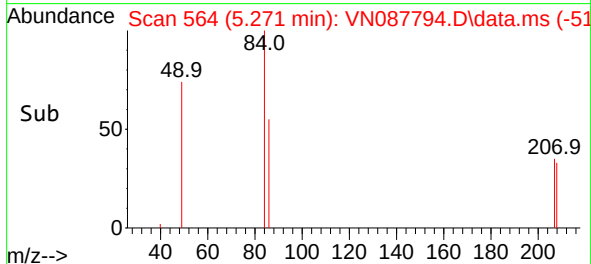
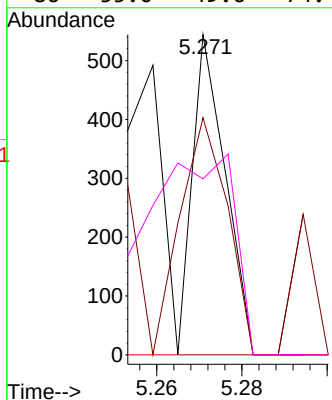
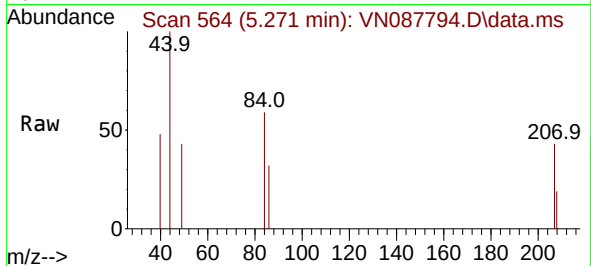


#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

Tgt Ion: 84 Resp: 292

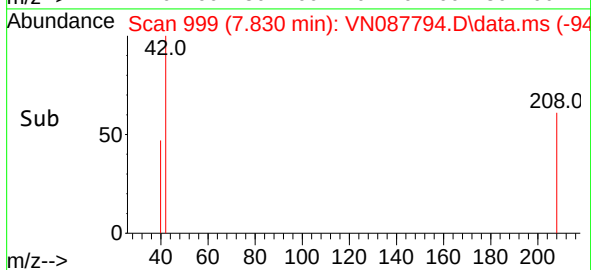
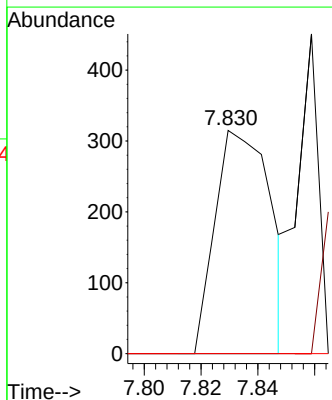
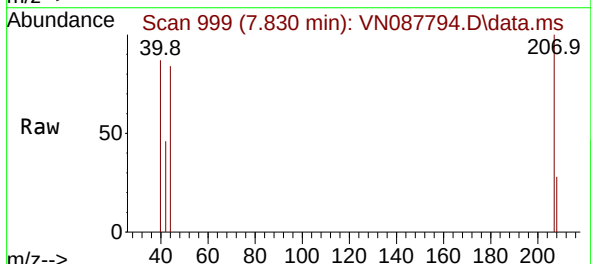
Ion	Ratio	Lower	Upper
84	100		
49	74.1	103.4	155.2#
51	0.0	33.8	50.8#
86	55.0	49.6	74.4

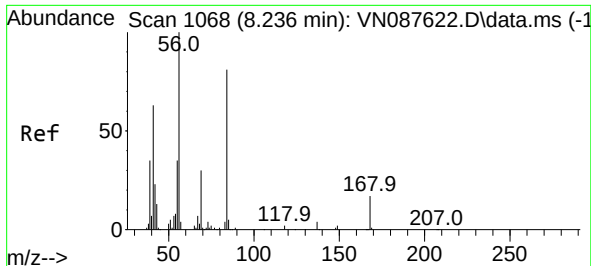


#29
Tetrahydrofuran
Concen: 0.209 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.006 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Tgt Ion: 42 Resp: 429

Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	31.9	47.9#

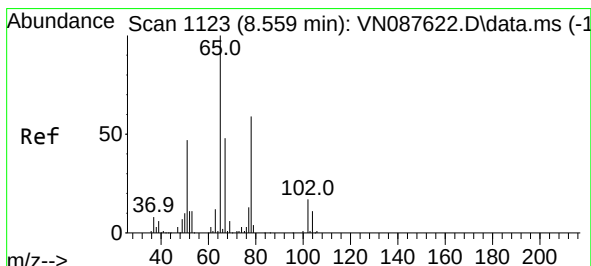
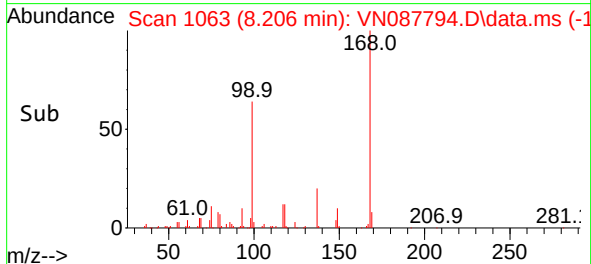
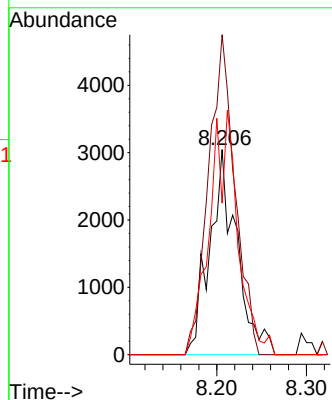
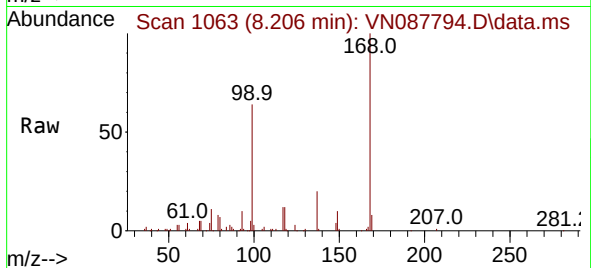




#31
Cyclohexane
Concen: 1.148 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

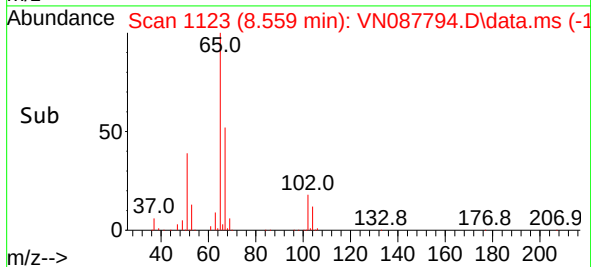
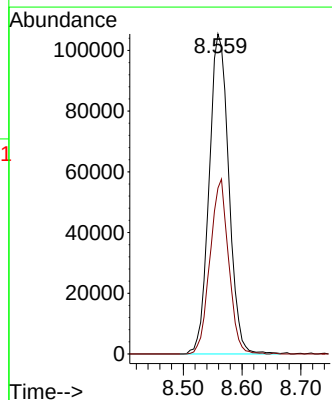
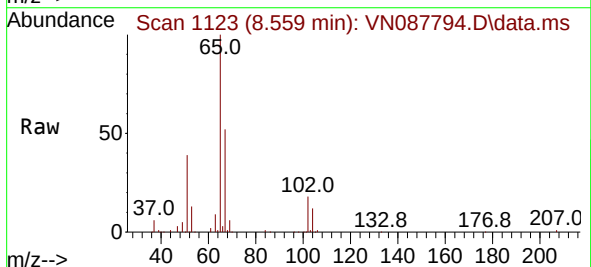
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

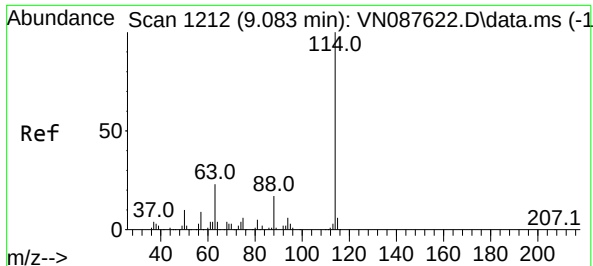
Tgt Ion: 56 Resp: 6421
Ion Ratio Lower Upper
56 100
69 156.0 23.7 35.5#
84 73.9 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 55.025 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Tgt Ion: 65 Resp: 244785
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.0

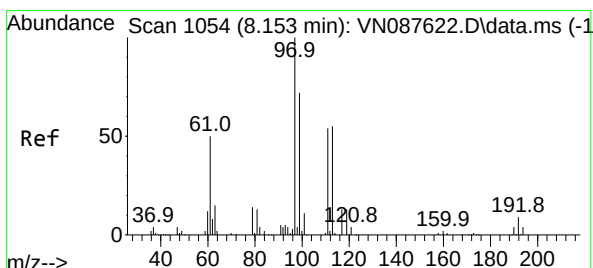
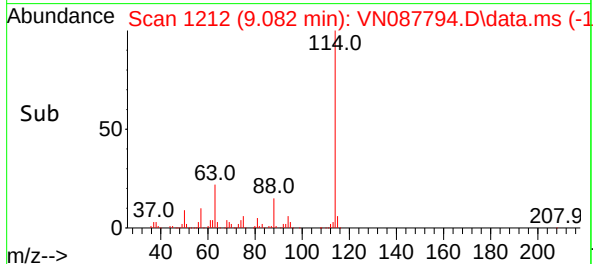
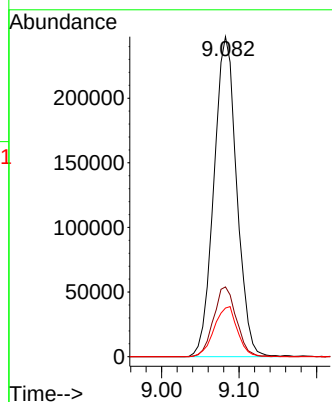
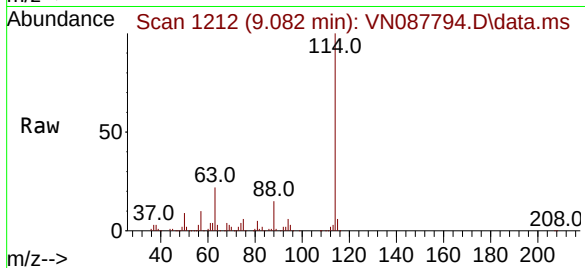




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

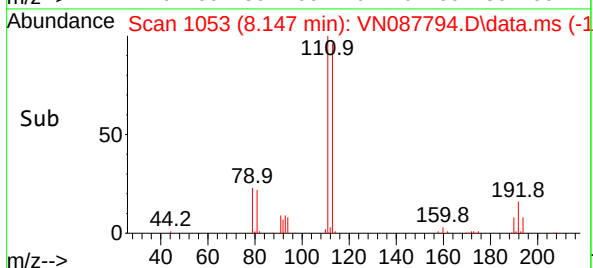
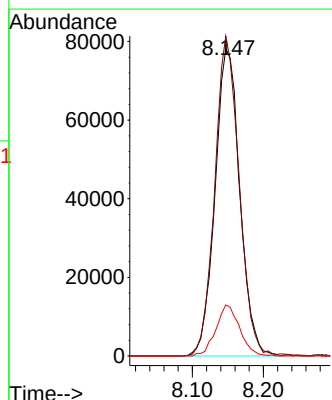
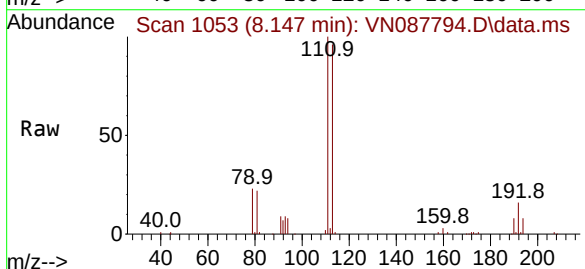
Instrument :
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VN0911WBL01

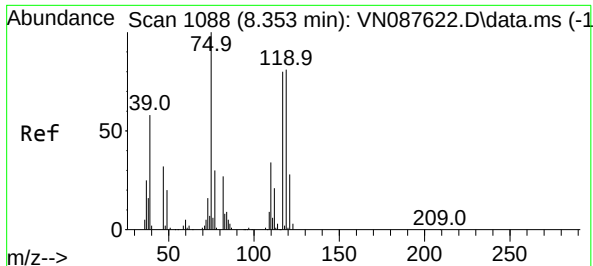
Tgt Ion:114 Resp: 505649
Ion Ratio Lower Upper
114 100
63 21.8 0.0 45.2
88 15.2 0.0 33.4



#35
Dibromofluoromethane
Concen: 51.938 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Tgt Ion:113 Resp: 189613
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 15.9 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.674 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087794.D

Acq: 11 Sep 2025 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBL01

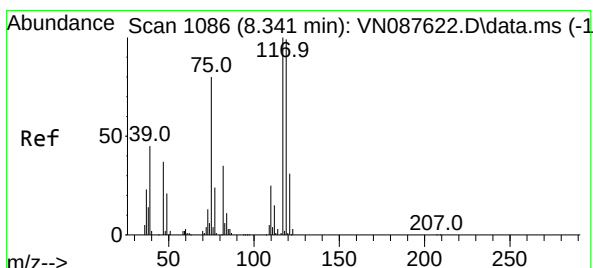
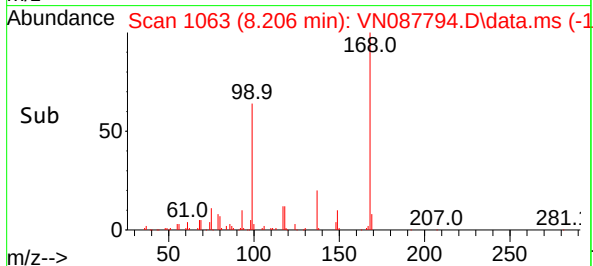
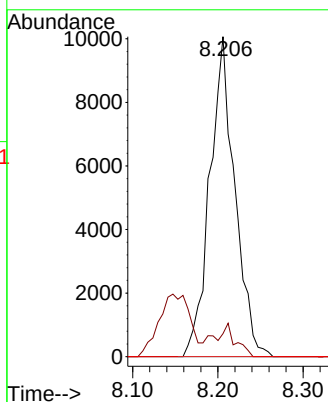
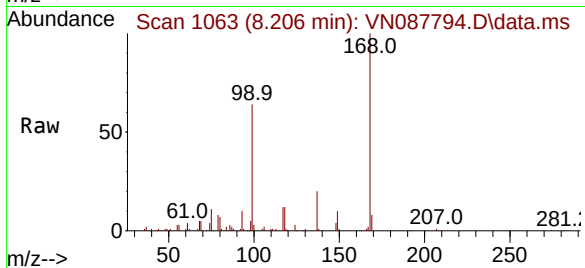
Tgt Ion: 75 Resp: 20575

Ion Ratio Lower Upper

75 100

110 8.6 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.441 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

Lab File: VN087794.D

Acq: 11 Sep 2025 13:45

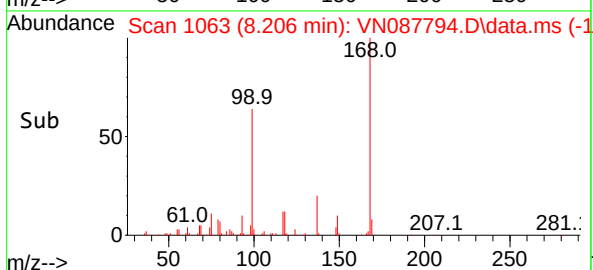
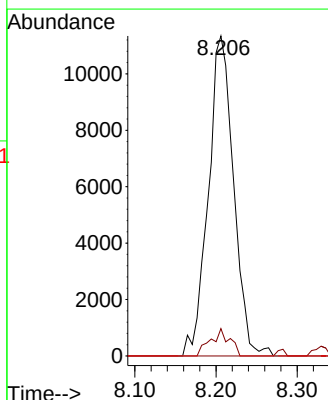
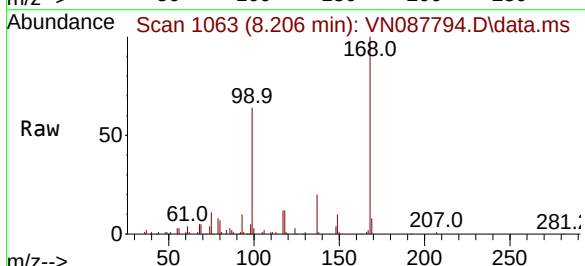
Tgt Ion: 117 Resp: 24559

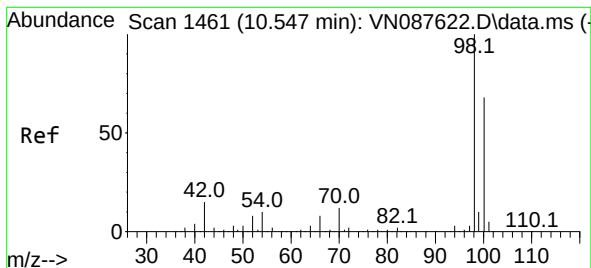
Ion Ratio Lower Upper

117 100

119 8.6 79.0 118.6#

121 0.0 25.0 37.6#

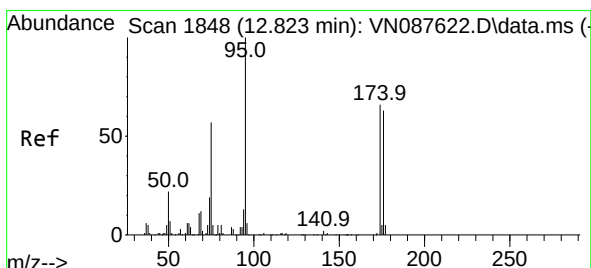
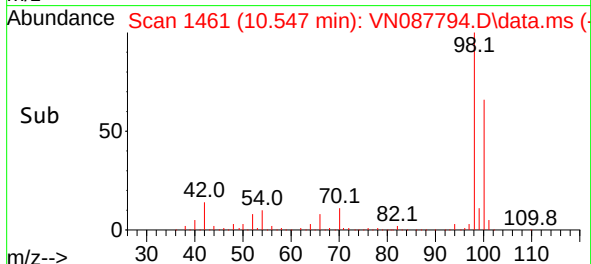
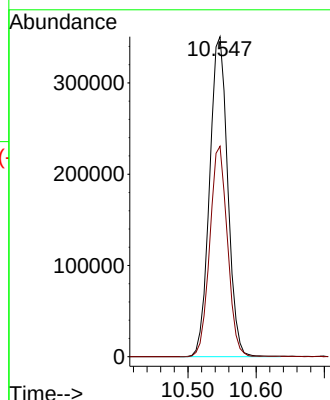
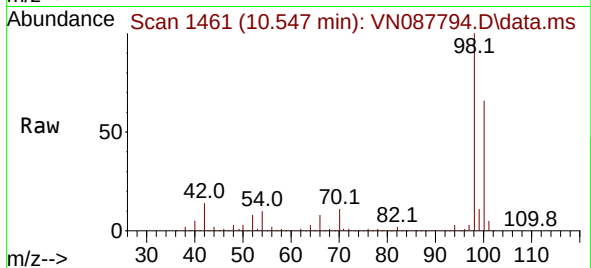




#50
Toluene-d8
Concen: 47.433 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

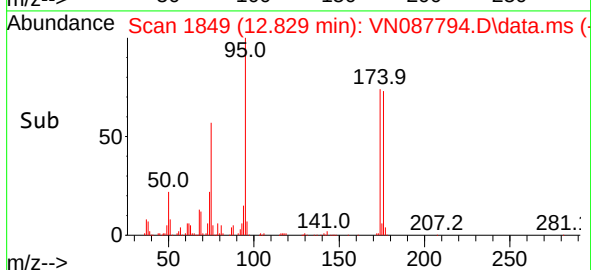
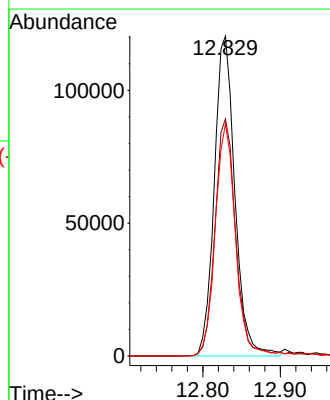
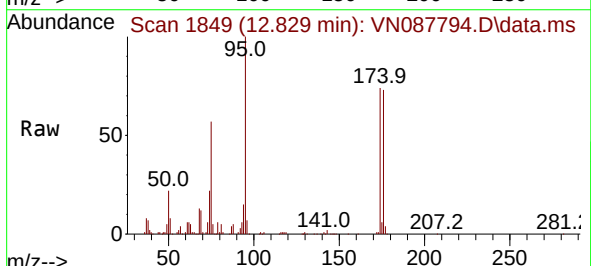
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

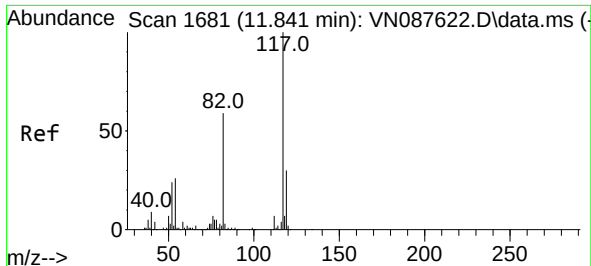
Tgt Ion: 98 Resp: 648133
Ion Ratio Lower Upper
98 100
100 64.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 45.740 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Tgt Ion: 95 Resp: 222270
Ion Ratio Lower Upper
95 100
174 75.3 0.0 138.4
176 71.4 0.0 132.6

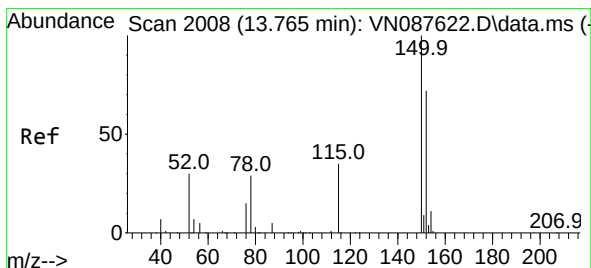
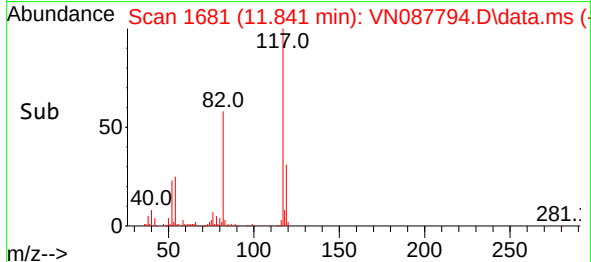
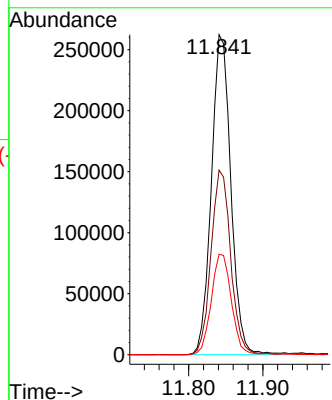
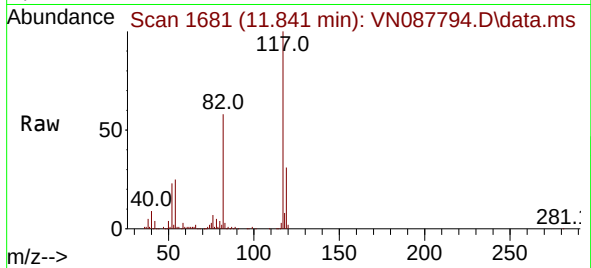




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

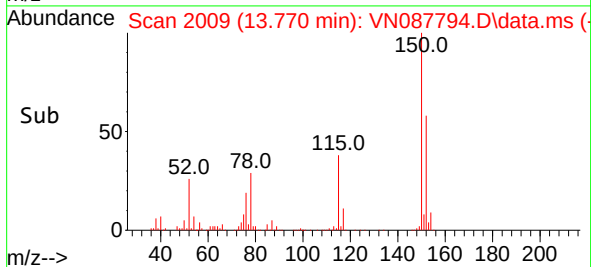
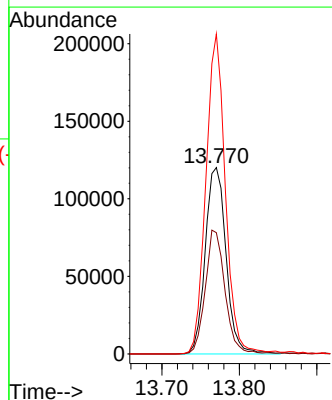
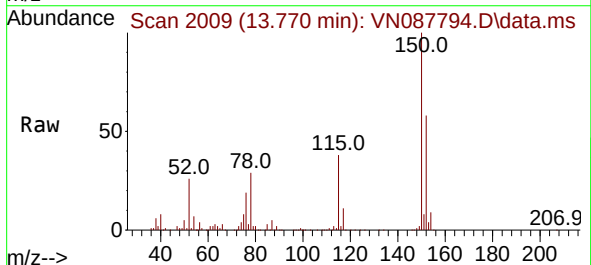
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

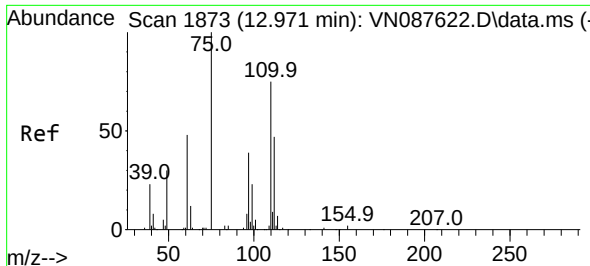
Tgt Ion:117 Resp: 478608
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 31.4 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Tgt Ion:152 Resp: 224924
Ion Ratio Lower Upper
152 100
115 63.3 32.3 96.8
150 160.3 0.0 351.0

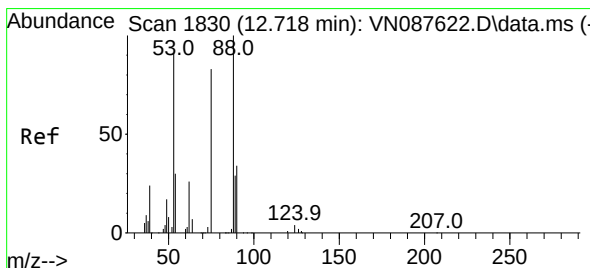
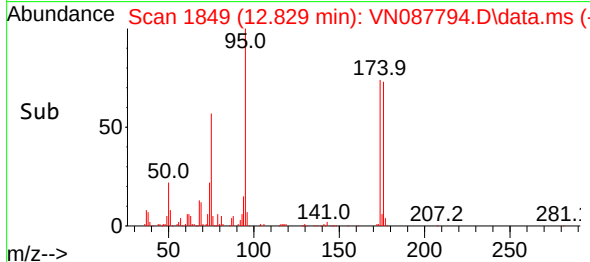
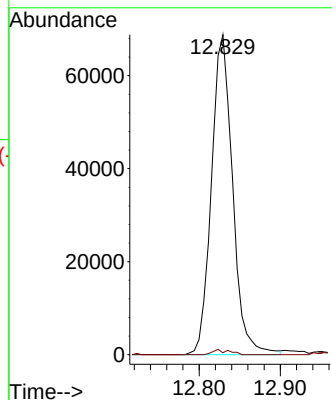
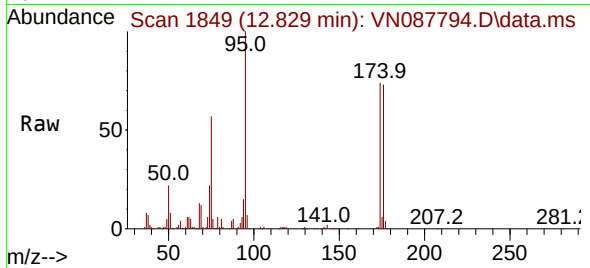




#76
1,2,3-Trichloropropane
Concen: 23.655 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

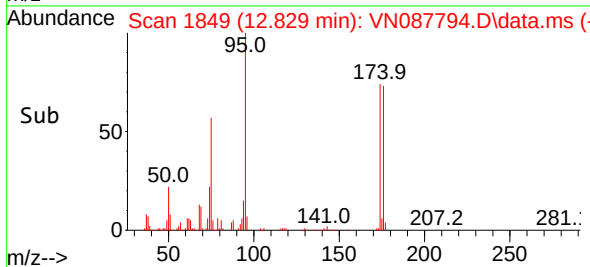
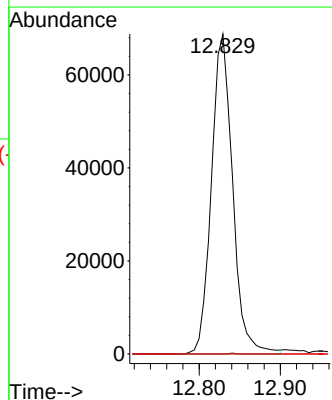
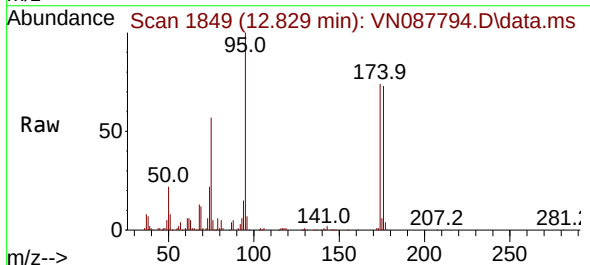
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

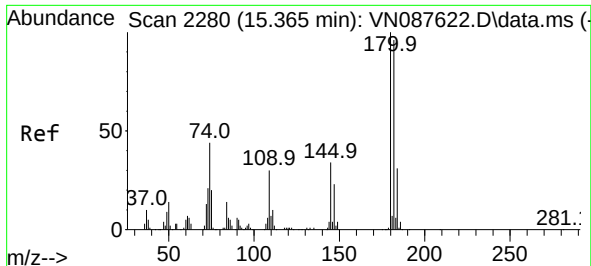
Tgt Ion: 75 Resp: 124771
Ion Ratio Lower Upper
75 100
77 1.3 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.624 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Tgt Ion: 75 Resp: 124771
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.0 35.6 53.4#

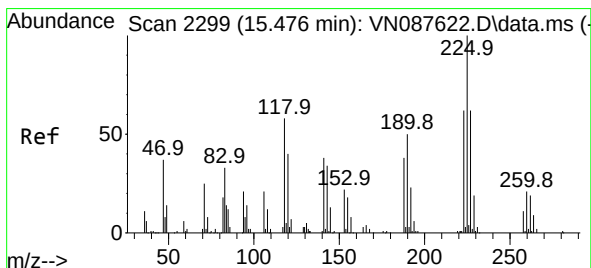
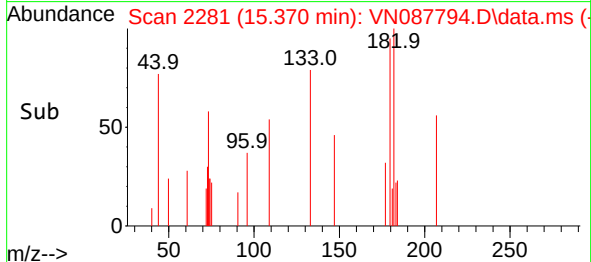
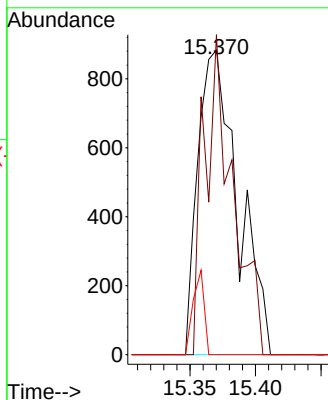
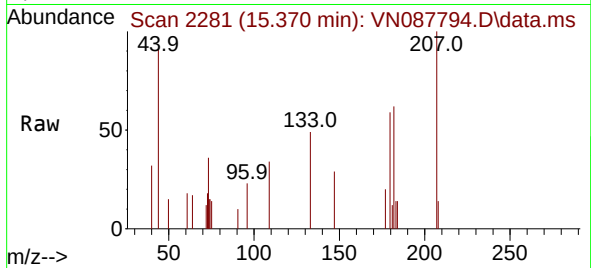




#93
1,2,4-Trichlorobenzene
Concen: 0.388 ug/l
RT: 15.370 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

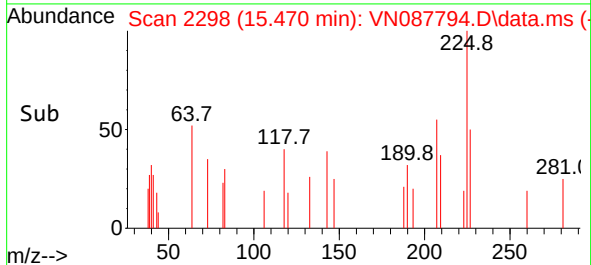
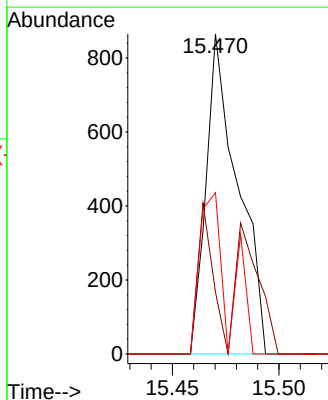
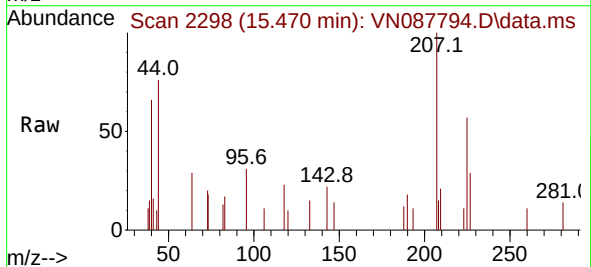
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

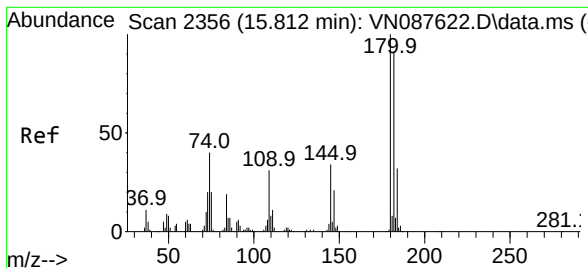
Tgt Ion:180 Resp: 1865
Ion Ratio Lower Upper
180 100
182 75.0 47.6 142.9
145 7.7 16.5 49.5#



#94
Hexachlorobutadiene
Concen: 0.522 ug/l
RT: 15.470 min Scan# 2298
Delta R.T. -0.006 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

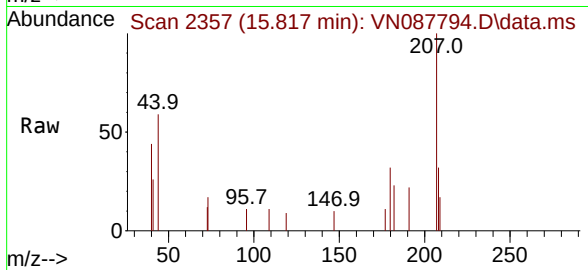
Tgt Ion:225 Resp: 894
Ion Ratio Lower Upper
225 100
223 22.7 32.0 96.2#
227 45.4 32.1 96.5





#96
 1,2,3-Trichlorobenzene
 Concen: 0.221 ug/l
 RT: 15.817 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN087794.D
 Acq: 11 Sep 2025 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBL01



Tgt Ion:	180	Resp:	1039
Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.8	140.3
145	34.4	17.3	52.0

