

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090825\
 Data File : VN087755.D
 Acq On : 08 Sep 2025 12:51
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Sep 09 02:27:22 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)

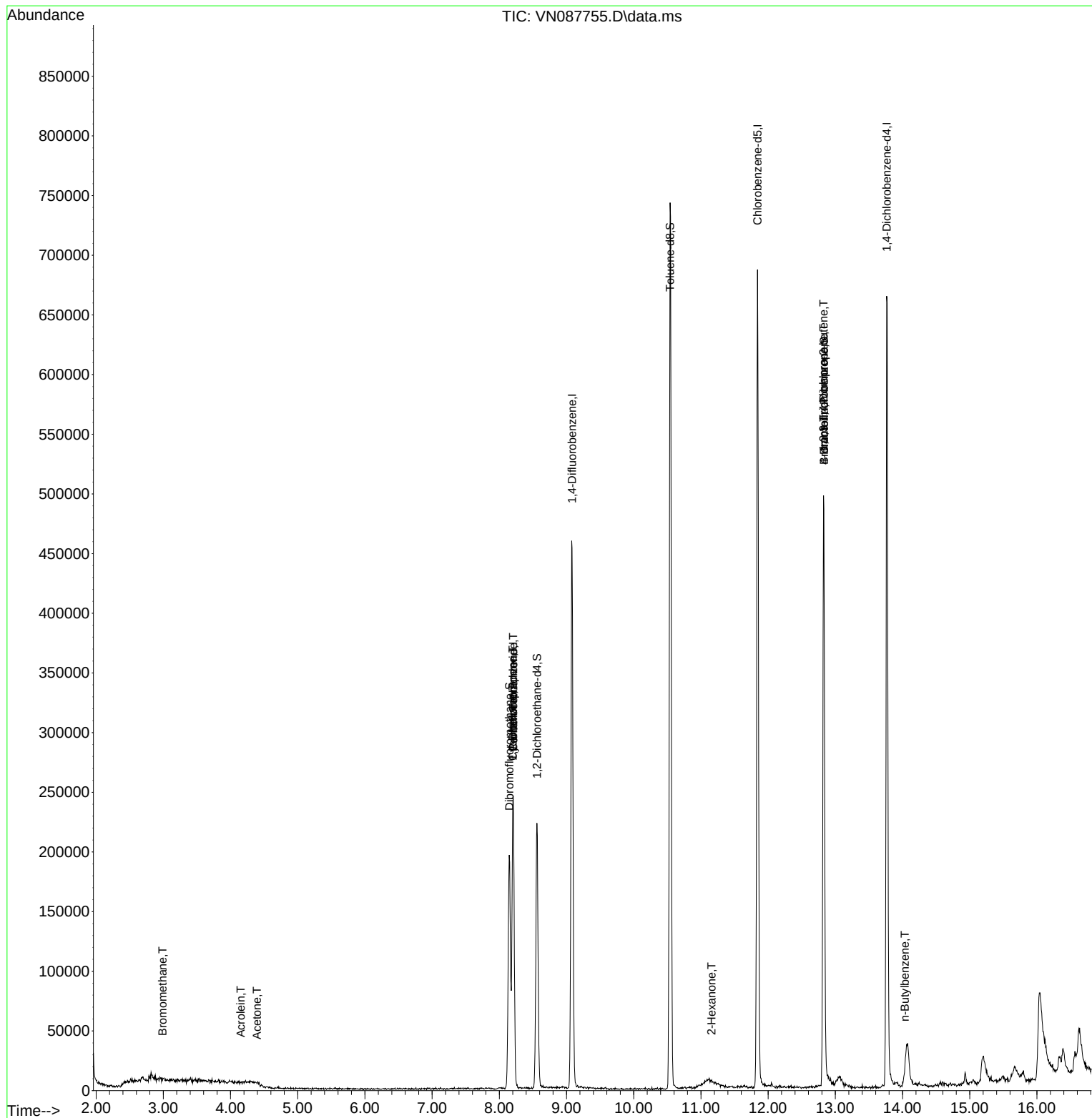
Internal Standards						
1) Pentafluorobenzene	8.206	168	165107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	383675	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	374119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	173247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	181805	53.743	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 107.480%		
35) Dibromofluoromethane	8.147	113	139165	50.238	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.480%		
50) Toluene-d8	10.541	98	503715	48.583	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 97.160%		
62) 4-Bromofluorobenzene	12.829	95	174022	47.196	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 94.400%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.989	94	482	0.334	ug/l #	3
13) Acrolein	4.153	56	701	0.971	ug/l #	50
16) Acetone	4.395	43	652	0.354	ug/l #	47
20) Methylene Chloride	5.265	84	366	Below Cal	#	31
31) Cyclohexane	8.200	56	5576	1.310	ug/l #	1
36) 1,1-Dichloropropene	8.200	75	16007	3.767	ug/l #	50
38) Carbon Tetrachloride	8.206	117	18900	4.504	ug/l #	14
59) 2-Hexanone	11.159	43	1079	0.312	ug/l #	33
71) Bromoform	12.829	173	1889	0.797	ug/l #	1
76) 1,2,3-Trichloropropane	12.823	75	102550	25.242	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	102550	66.824	ug/l #	1
89) n-Butylbenzene	14.035	91	2506	0.208	ug/l #	38

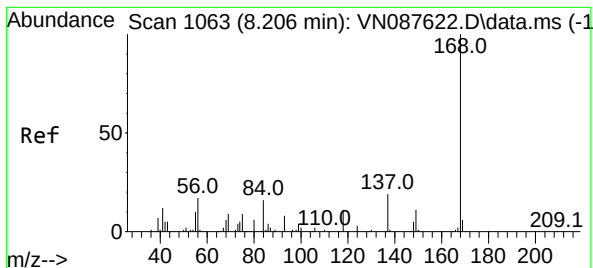
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

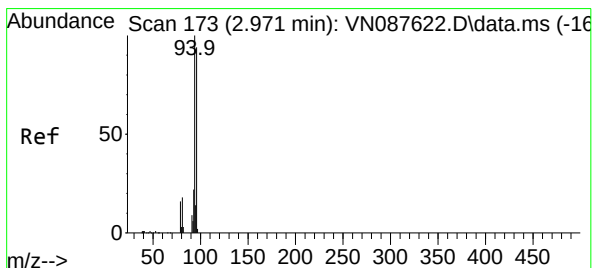
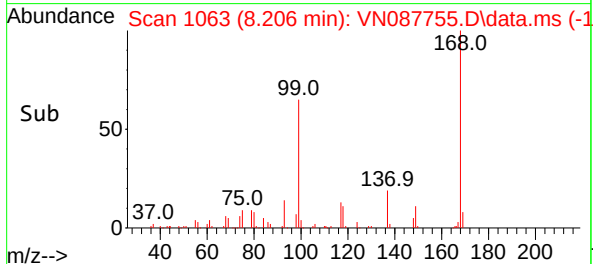
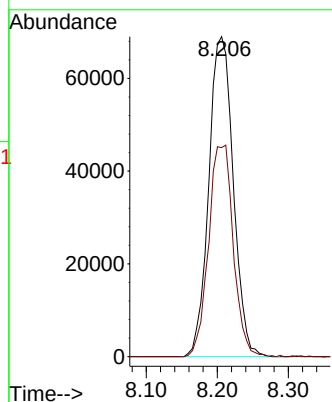
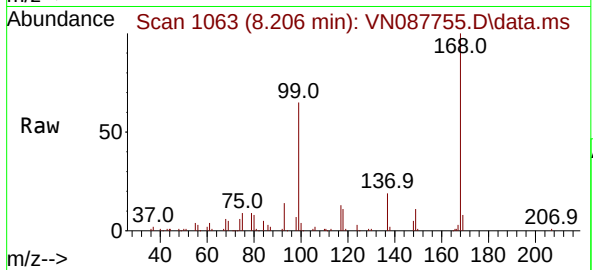




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087755.D
Acq: 08 Sep 2025 12:51

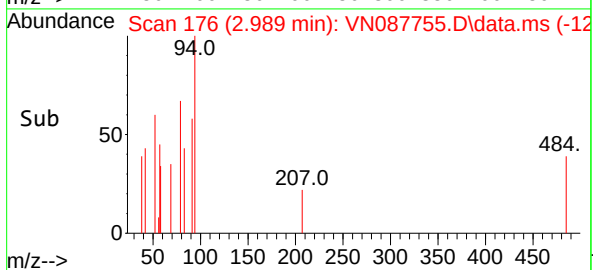
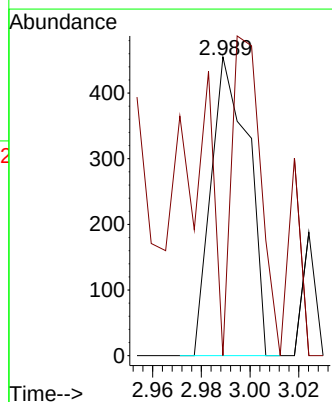
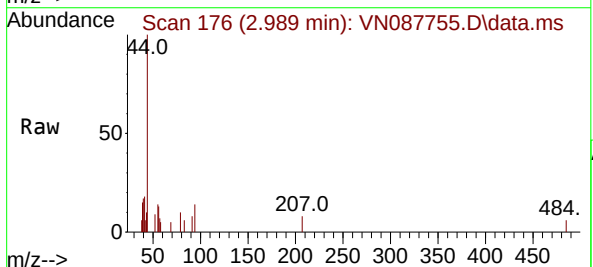
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

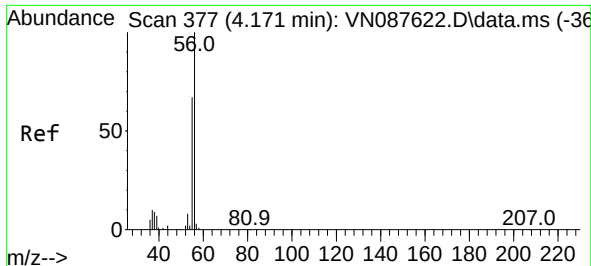
Tgt Ion:168 Resp: 165107
Ion Ratio Lower Upper
168 100
99 65.4 57.2 85.8



#5
Bromomethane
Concen: 0.334 ug/l
RT: 2.989 min Scan# 176
Delta R.T. 0.018 min
Lab File: VN087755.D
Acq: 08 Sep 2025 12:51

Tgt Ion: 94 Resp: 482
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.2#

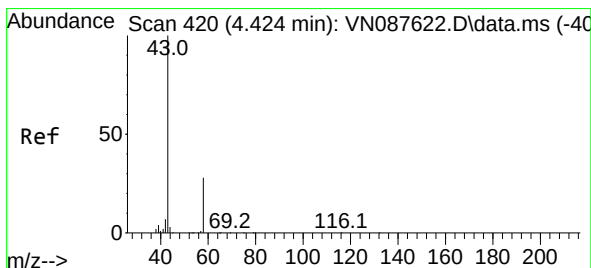
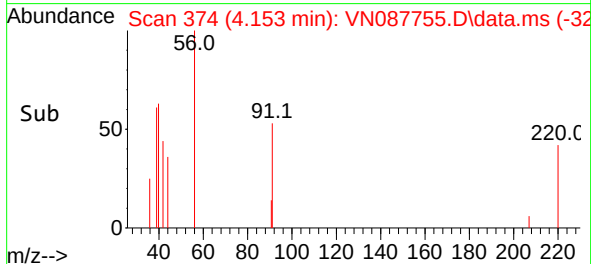
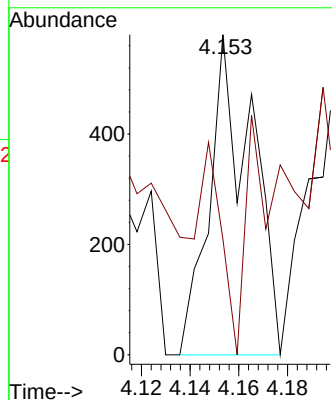
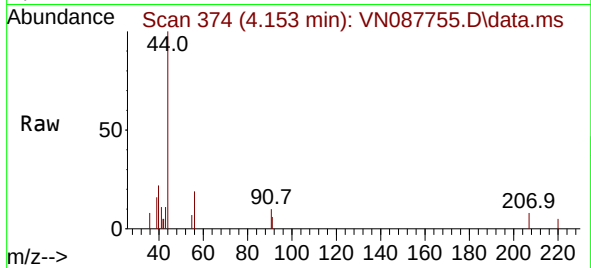




#13
Acrolein
Concen: 0.971 ug/l
RT: 4.153 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN087755.D
Acq: 08 Sep 2025 12:51

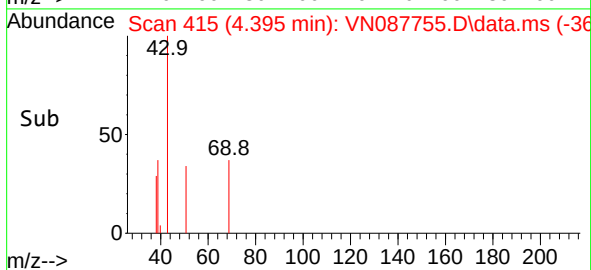
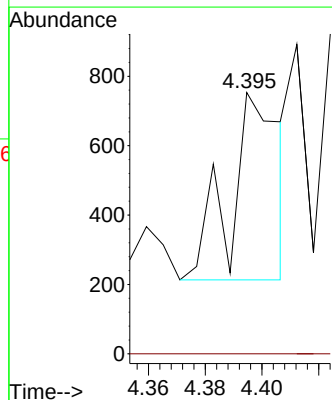
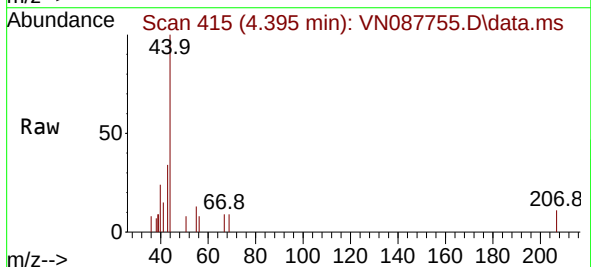
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

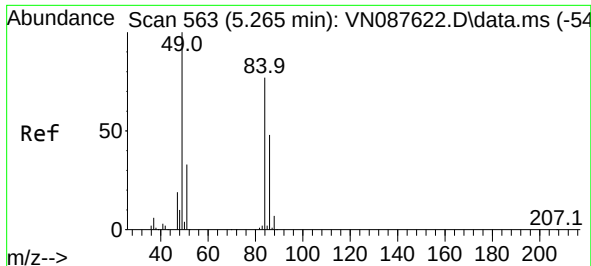
Tgt Ion: 56 Resp: 701
Ion Ratio Lower Upper
56 100
55 30.0 57.3 85.9#



#16
Acetone
Concen: 0.354 ug/l
RT: 4.395 min Scan# 415
Delta R.T. -0.029 min
Lab File: VN087755.D
Acq: 08 Sep 2025 12:51

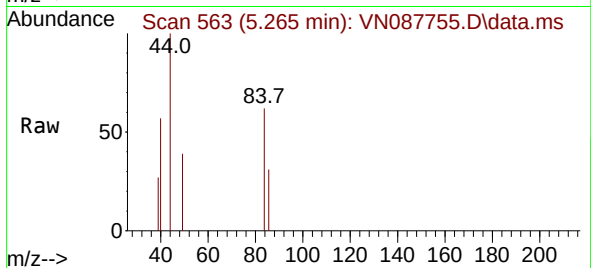
Tgt Ion: 43 Resp: 652
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#



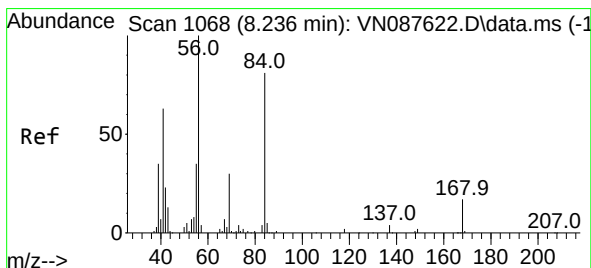
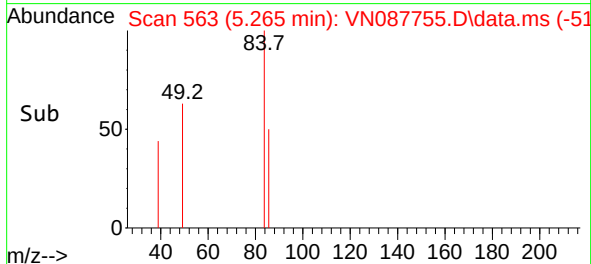
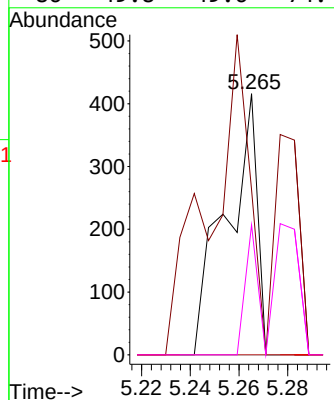


#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN087755.D
Acq: 08 Sep 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

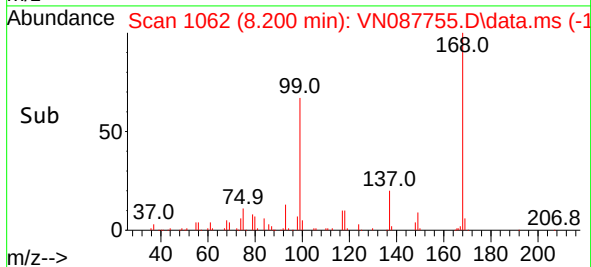
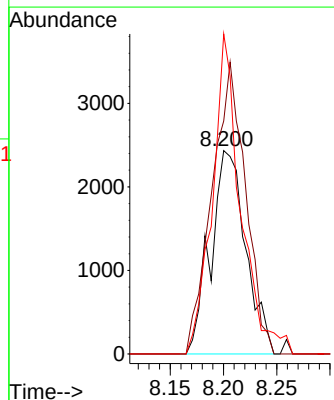
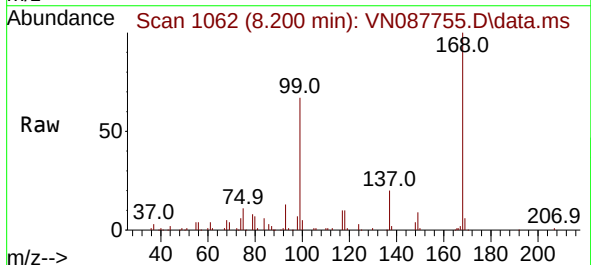


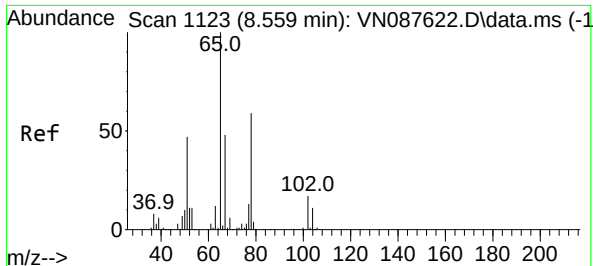
Tgt Ion:	84	Resp:	366
Ion	Ratio	Lower	Upper
84	100		
49	18.3	103.4	155.2#
51	0.0	33.8	50.8#
86	49.8	49.6	74.4



#31
Cyclohexane
Concen: 1.310 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN087755.D
Acq: 08 Sep 2025 12:51

Tgt Ion:	56	Resp:	5576
Ion	Ratio	Lower	Upper
56	100		
69	114.6	23.7	35.5#
84	157.4	64.7	97.1#





#33

1,2-Dichloroethane-d4

Concen: 53.743 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087755.D

Acq: 08 Sep 2025 12:51

Instrument :

MSVOA_N

ClientSampleId :

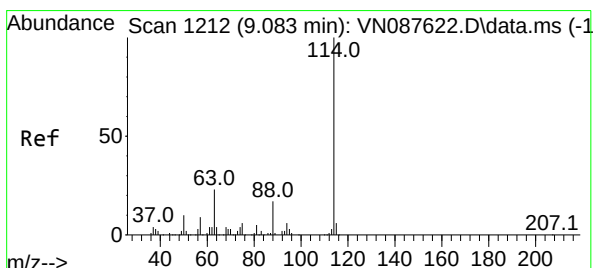
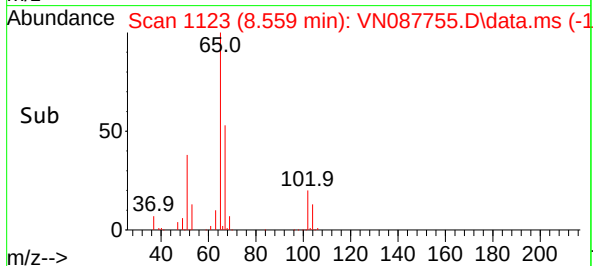
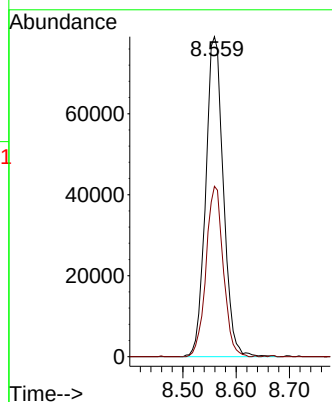
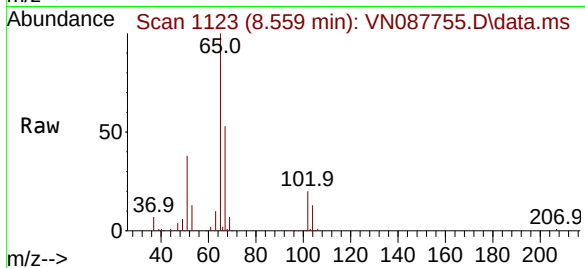
VIBLK

Tgt Ion: 65 Resp: 181805

Ion Ratio Lower Upper

65 100

67 51.9 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087755.D

Acq: 08 Sep 2025 12:51

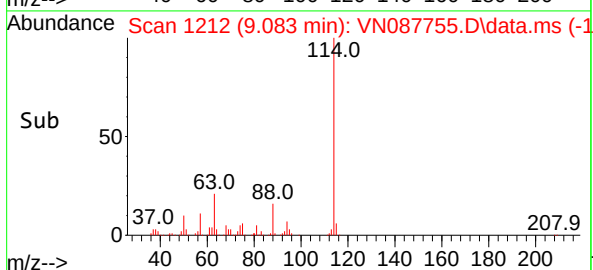
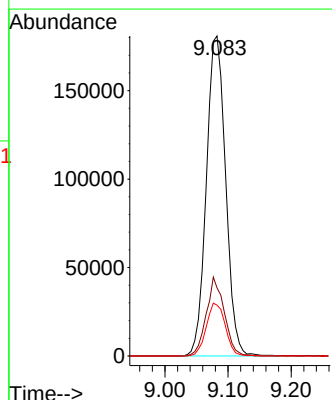
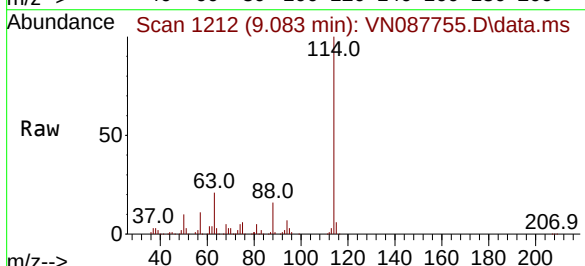
Tgt Ion: 114 Resp: 383675

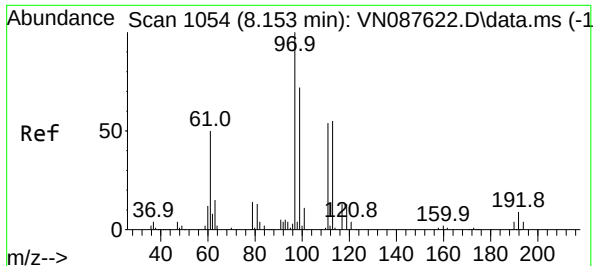
Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.2

88 15.9 0.0 33.4

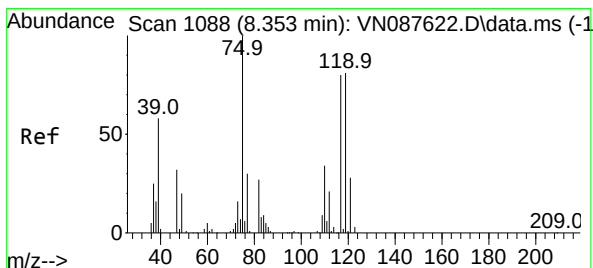
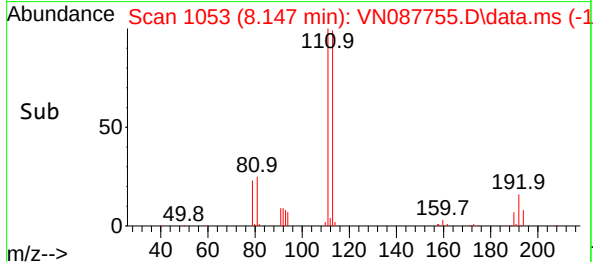
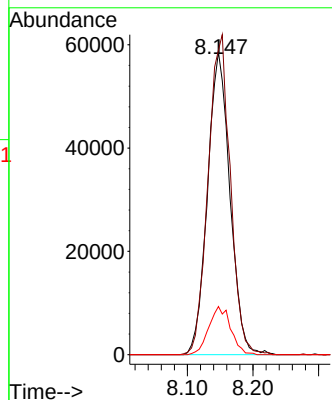
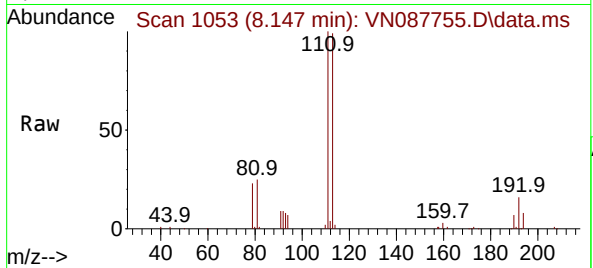




#35
Dibromofluoromethane
Concen: 50.238 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087755.D
Acq: 08 Sep 2025 12:51

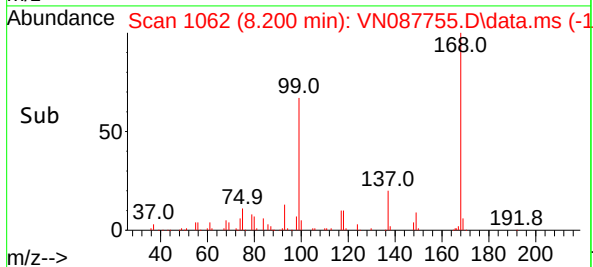
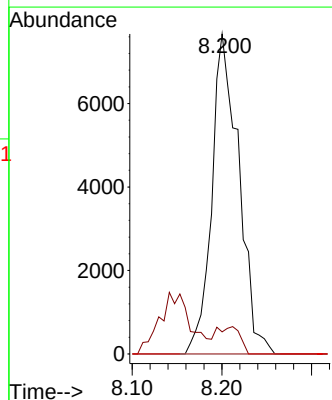
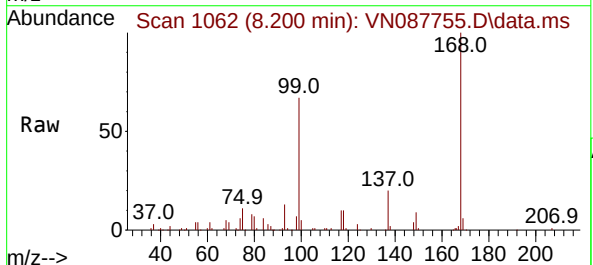
Instrument :
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VIBLK

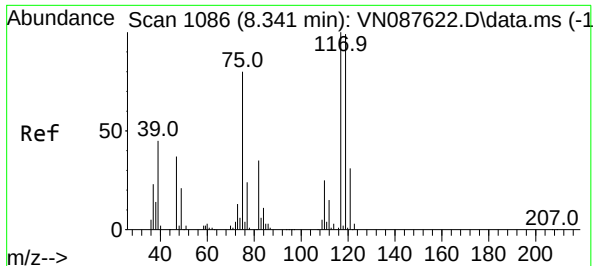
Tgt Ion:113 Resp: 139165
Ion Ratio Lower Upper
113 100
111 104.8 82.8 124.2
192 15.6 12.8 19.2



#36
1,1-Dichloropropene
Concen: 3.767 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.153 min
Lab File: VN087755.D
Acq: 08 Sep 2025 12:51

Tgt Ion: 75 Resp: 16007
Ion Ratio Lower Upper
75 100
110 7.2 15.9 47.6#
77 0.0 24.4 36.6#

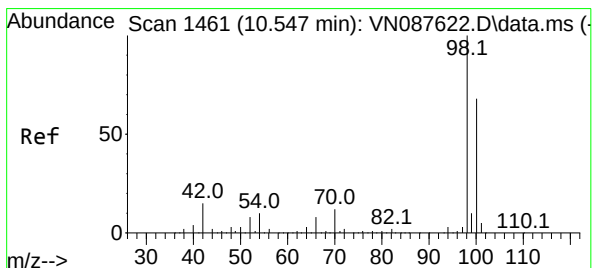
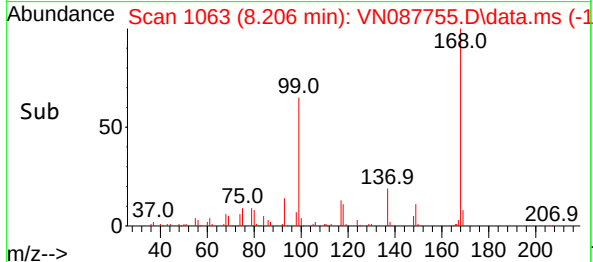
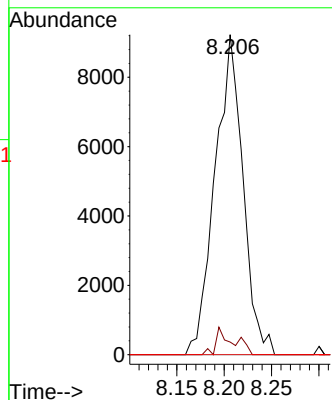
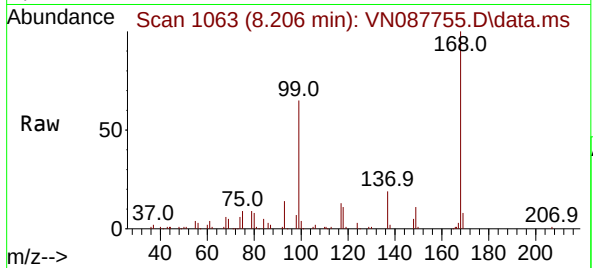




#38
Carbon Tetrachloride
Concen: 4.504 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087755.D
Acq: 08 Sep 2025 12:51

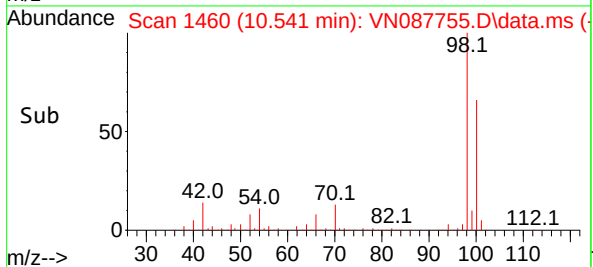
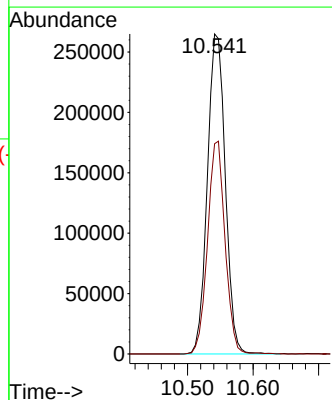
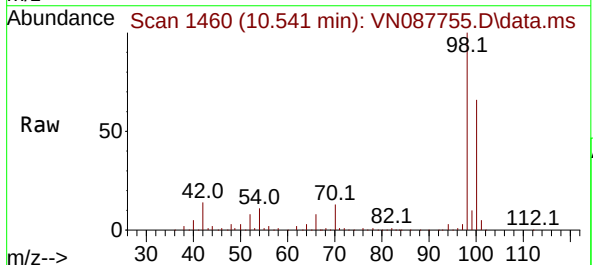
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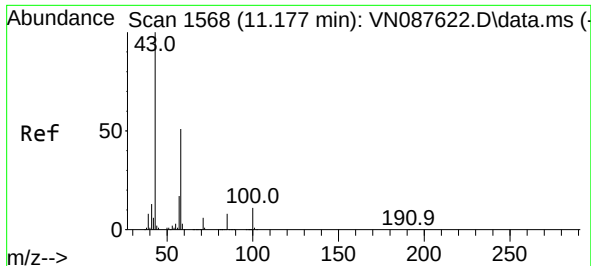
Tgt Ion:117 Resp: 18900
Ion Ratio Lower Upper
117 100
119 4.0 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 48.583 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN087755.D
Acq: 08 Sep 2025 12:51

Tgt Ion: 98 Resp: 503715
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2

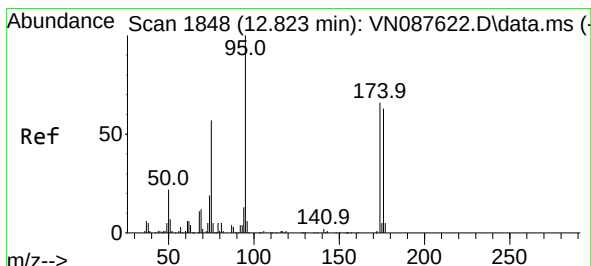
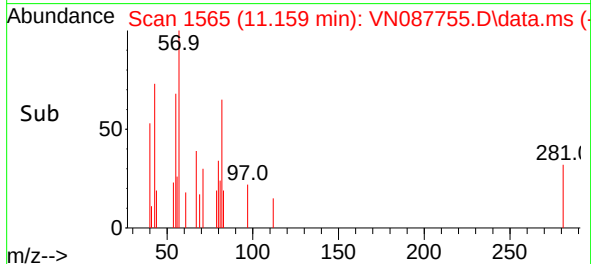
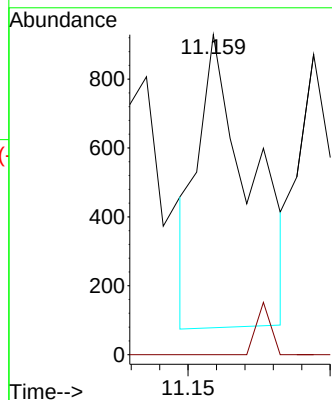
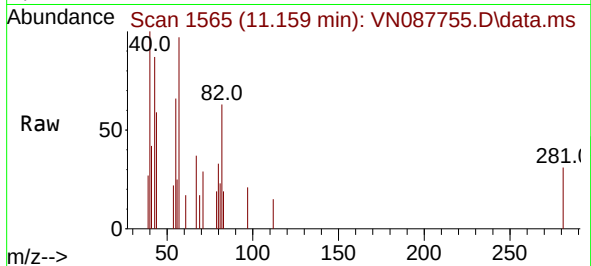




#59
2-Hexanone
Concen: 0.312 ug/l
RT: 11.159 min Scan# 111
Delta R.T. -0.018 min
Lab File: VN087755.D
Acq: 08 Sep 2025 12:51

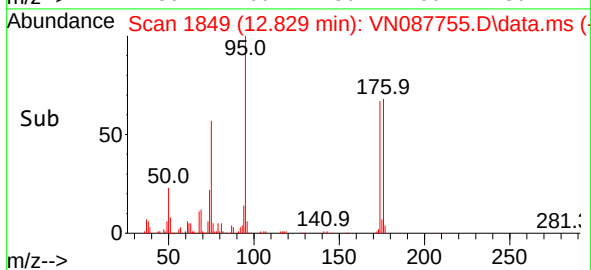
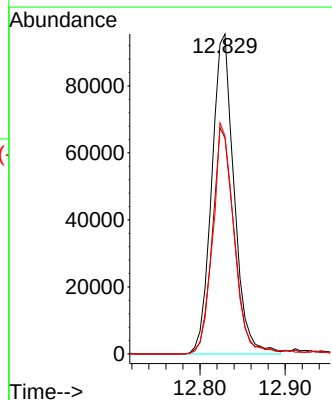
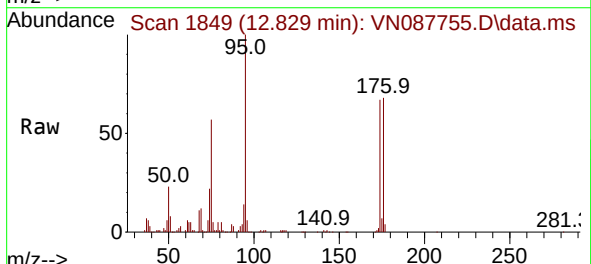
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

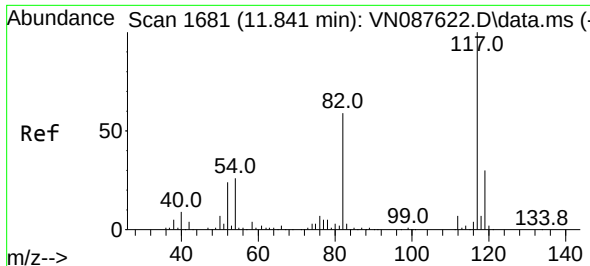
Tgt Ion: 43 Resp: 1079
Ion Ratio Lower Upper
43 100
58 5.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 47.196 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087755.D
Acq: 08 Sep 2025 12:51

Tgt Ion: 95 Resp: 174022
Ion Ratio Lower Upper
95 100
174 69.6 0.0 138.4
176 69.2 0.0 132.6

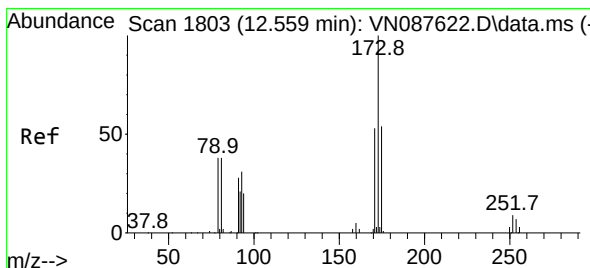
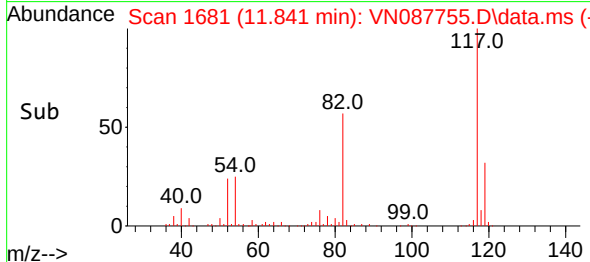
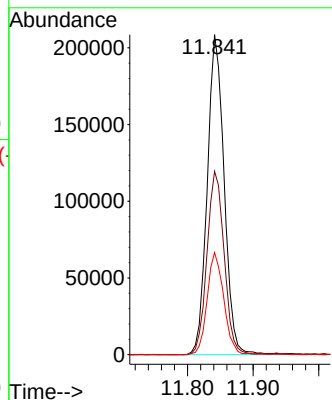
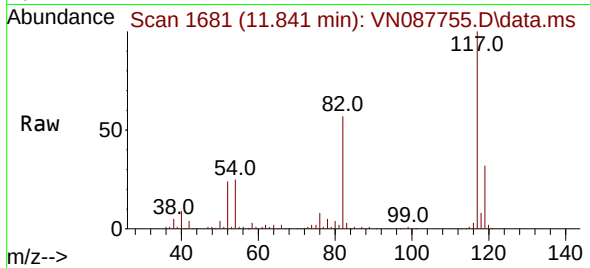




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087755.D
Acq: 08 Sep 2025 12:51

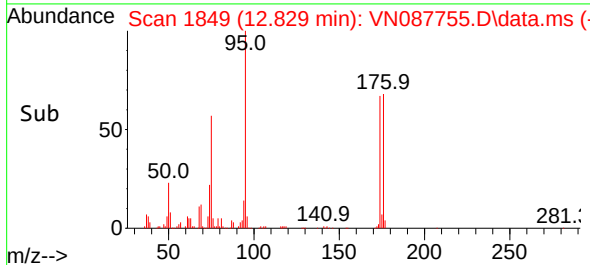
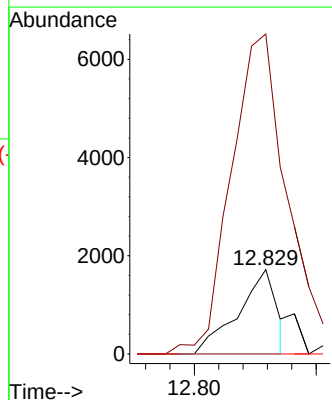
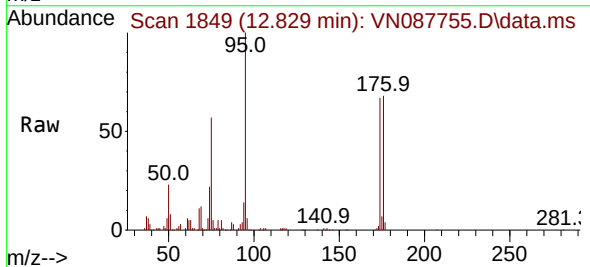
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

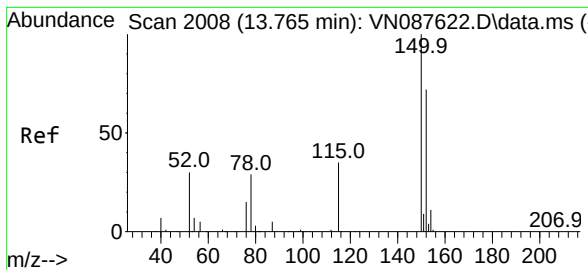
Tgt Ion:117 Resp: 374119
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 31.9 24.3 36.5



#71
Bromoform
Concen: 0.797 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.271 min
Lab File: VN087755.D
Acq: 08 Sep 2025 12:51

Tgt Ion:173 Resp: 1889
Ion Ratio Lower Upper
173 100
175 460.4 24.9 74.6#
254 0.0 0.1 0.1#

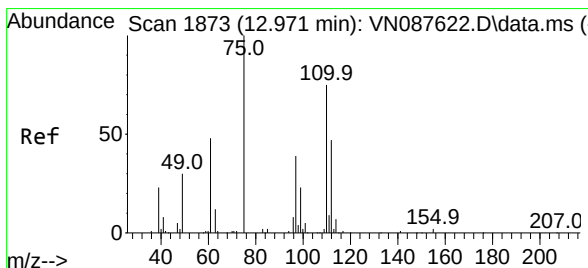
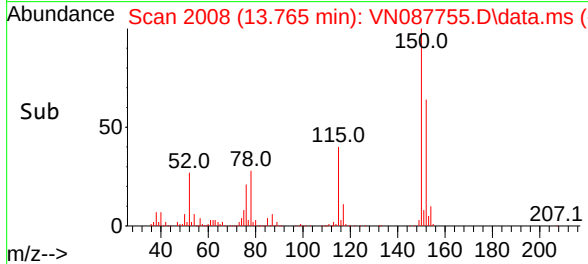
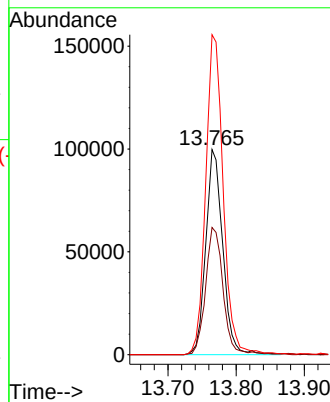
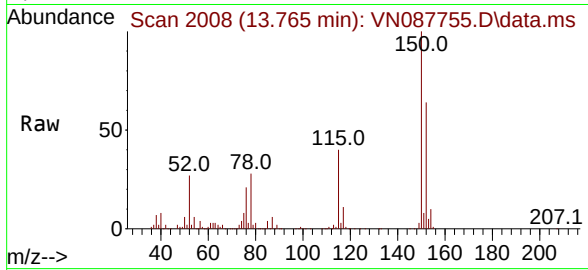




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.765 min Scan# 2008
 Delta R.T. -0.000 min
 Lab File: VN087755.D
 Acq: 08 Sep 2025 12:51

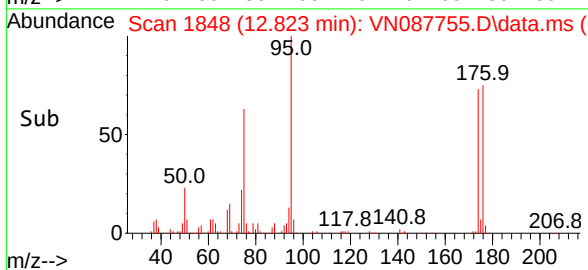
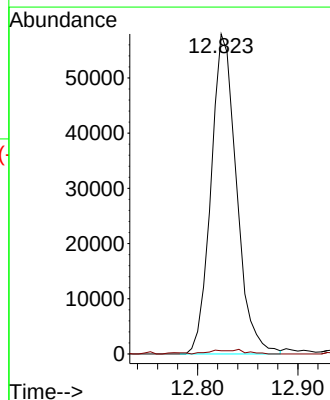
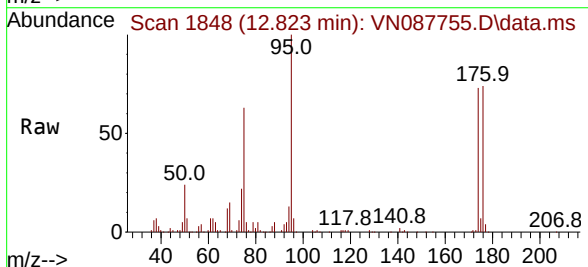
Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

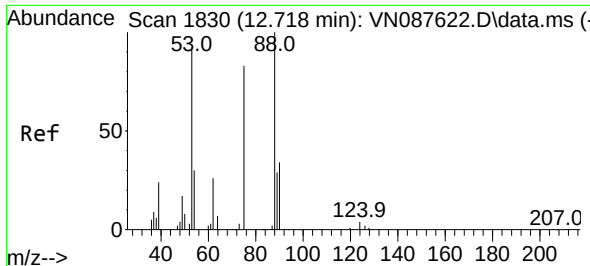
Tgt Ion:152 Resp: 173247
 Ion Ratio Lower Upper
 152 100
 115 63.9 32.3 96.8
 150 160.5 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 25.242 ug/l
 RT: 12.823 min Scan# 1848
 Delta R.T. -0.147 min
 Lab File: VN087755.D
 Acq: 08 Sep 2025 12:51

Tgt Ion: 75 Resp: 102550
 Ion Ratio Lower Upper
 75 100
 77 1.7 89.1 267.4#

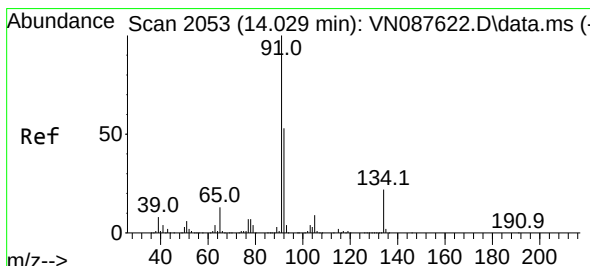
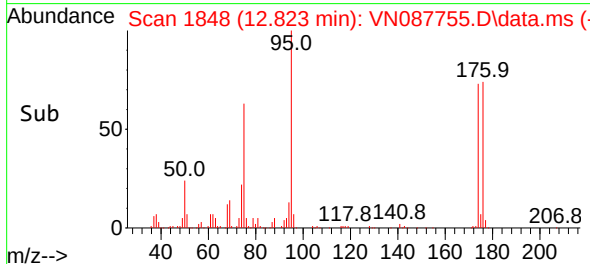
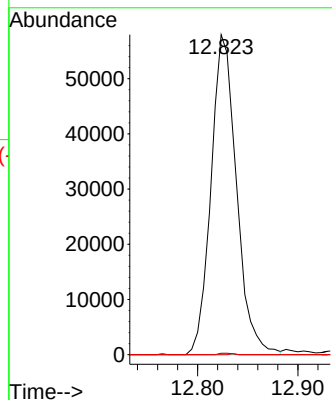
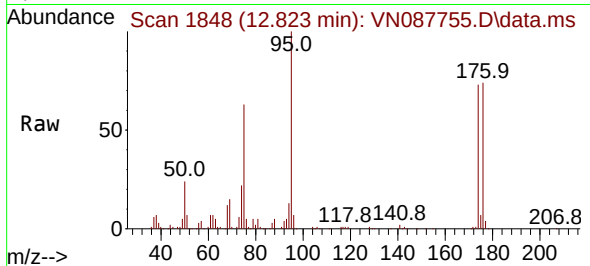




#81
trans-1,4-Dichloro-2-butene
Concen: 66.824 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.106 min
Lab File: VN087755.D
Acq: 08 Sep 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 102550
Ion Ratio Lower Upper
75 100
53 0.2 101.8 152.6#
89 0.1 35.6 53.4#



#89
n-Butylbenzene
Concen: 0.208 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VN087755.D
Acq: 08 Sep 2025 12:51

Tgt Ion: 91 Resp: 2506
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 6.2 11.7 35.0#

