

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091925\
 Data File : VN087905.D
 Acq On : 19 Sep 2025 12:41
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 03:05:39 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)

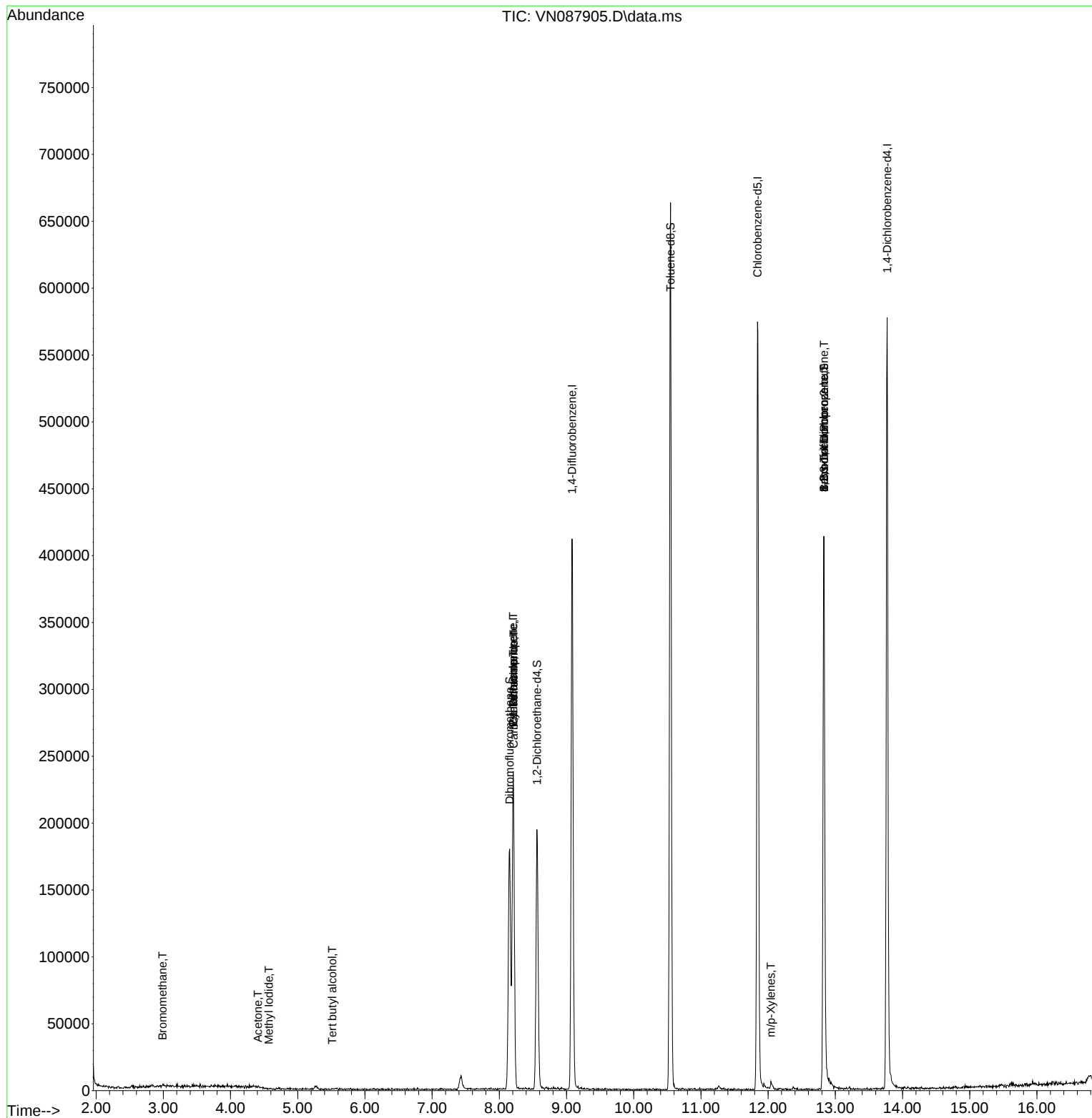
Internal Standards						
1) Pentafluorobenzene	8.206	168	163597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	355593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	336425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	159900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	156214	46.604	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.200%		
35) Dibromofluoromethane	8.153	113	128968	50.233	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.460%		
50) Toluene-d8	10.547	98	449373	46.765	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.520%		
62) 4-Bromofluorobenzene	12.829	95	146437	42.851	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	85.700%		
Target Compounds						Qvalue
5) Bromomethane	2.989	94	746	0.522	ug/l	97
10) Methyl Iodide	4.571	142	186	6.904	ug/l #	38
11) Tert butyl alcohol	5.512	59	138	0.237	ug/l #	71
16) Acetone	4.406	43	517	0.283	ug/l #	47
20) Methylene Chloride	5.253	84	862	Below Cal	#	36
31) Cyclohexane	8.206	56	4446	1.055	ug/l #	2
36) 1,1-Dichloropropene	8.206	75	14979	3.803	ug/l #	45
38) Carbon Tetrachloride	8.212	117	17913	4.606	ug/l #	18
68) m/p-Xylenes	12.041	106	1592	0.300	ug/l	73
71) Bromoform	12.829	173	964	0.452	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	80977	21.595	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	80977	57.171	ug/l #	1

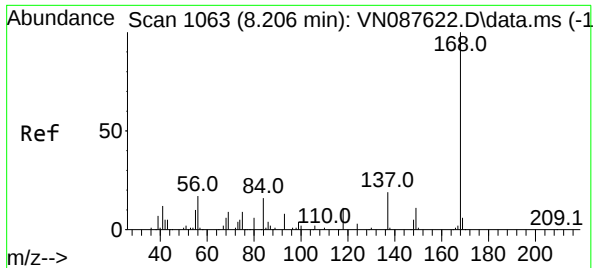
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 20 03:05:39 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

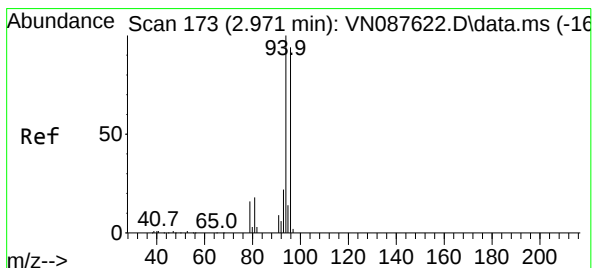
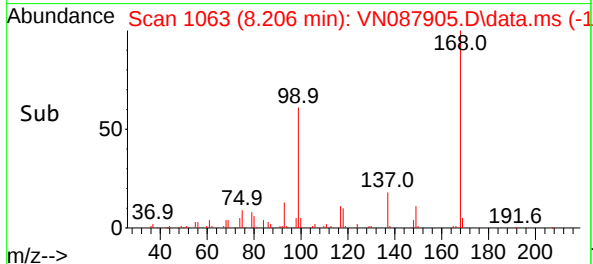
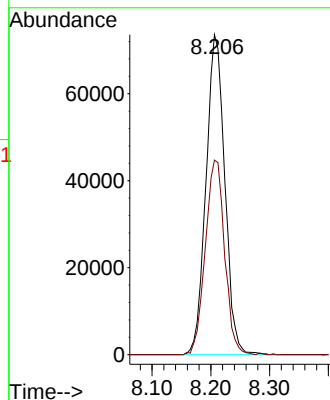
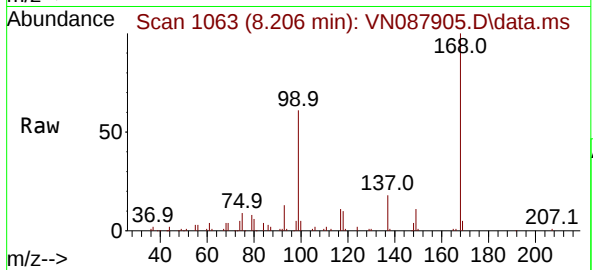




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

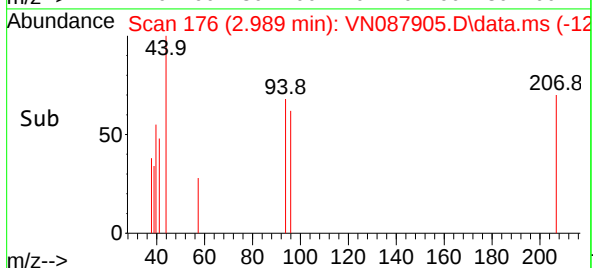
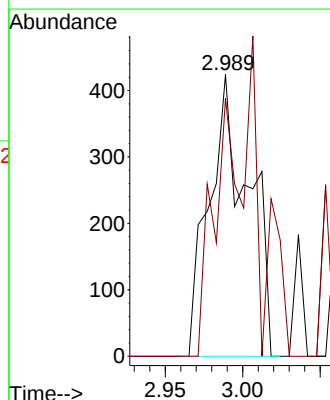
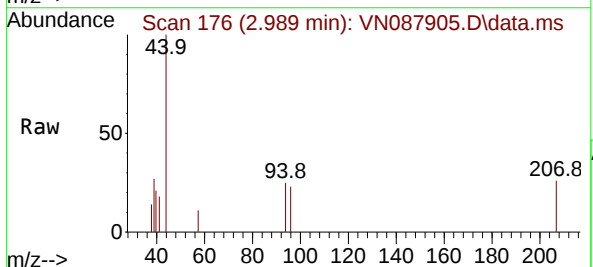
Instrument :
MSVOA_N
ClientSampleId :

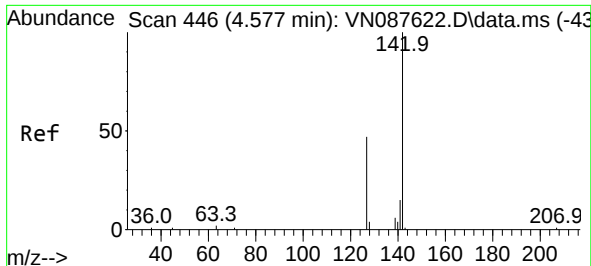
Tgt Ion:168 Resp: 163597
Ion Ratio Lower Upper
168 100
99 60.8 57.2 85.8



#5
Bromomethane
Concen: 0.522 ug/l
RT: 2.989 min Scan# 176
Delta R.T. 0.018 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

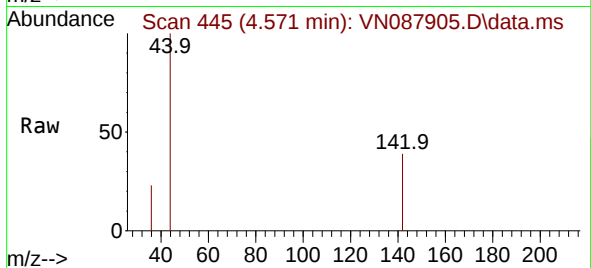
Tgt Ion: 94 Resp: 746
Ion Ratio Lower Upper
94 100
96 91.5 75.4 113.2



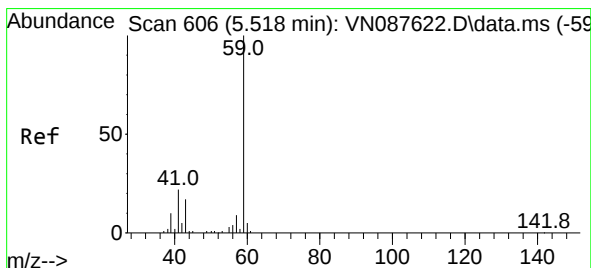
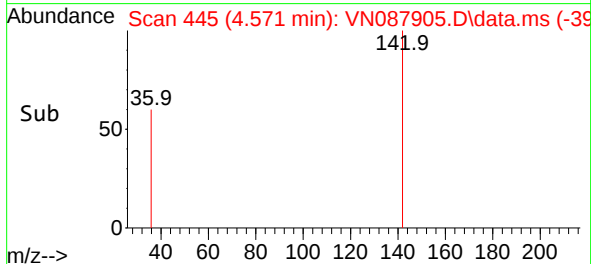
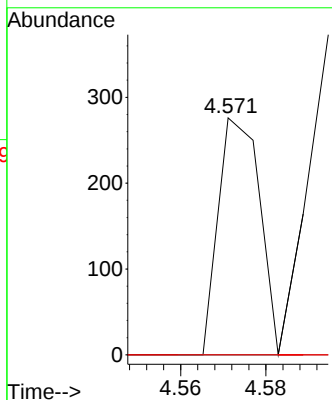


#10
Methyl Iodide
Concen: 6.904 ug/l
RT: 4.571 min Scan# 446
Delta R.T. -0.006 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

Instrument :
MSVOA_N
ClientSampleId :

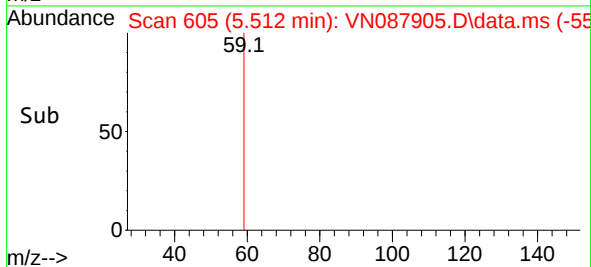
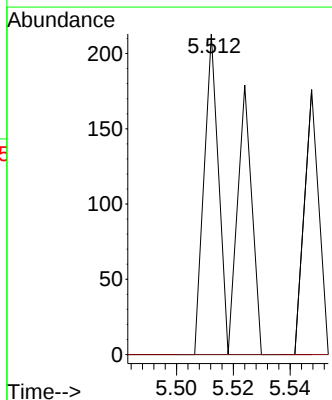
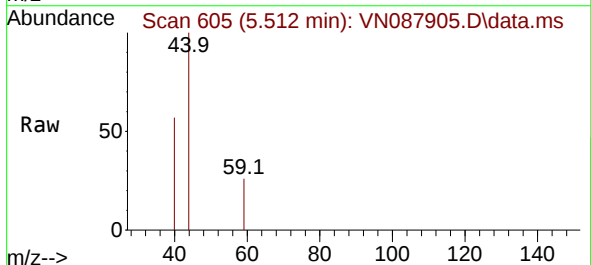


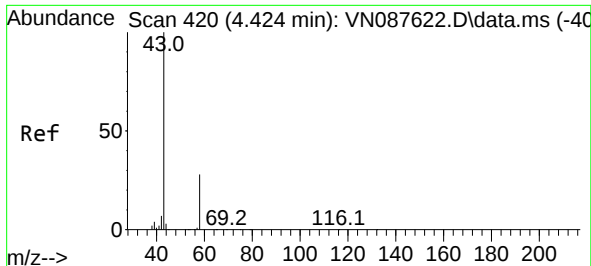
Tgt Ion:142 Resp: 186
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 0.237 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

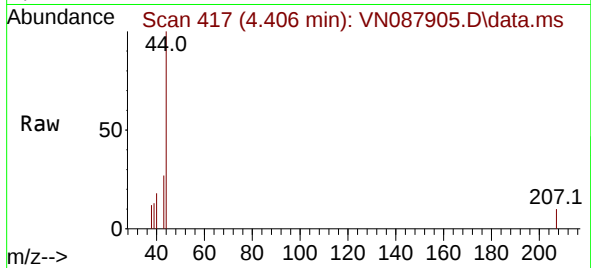
Tgt Ion: 59 Resp: 138
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



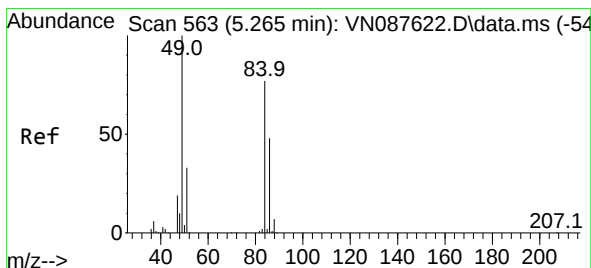
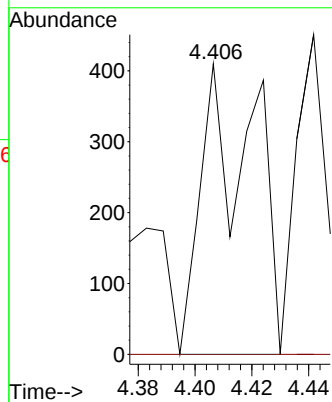
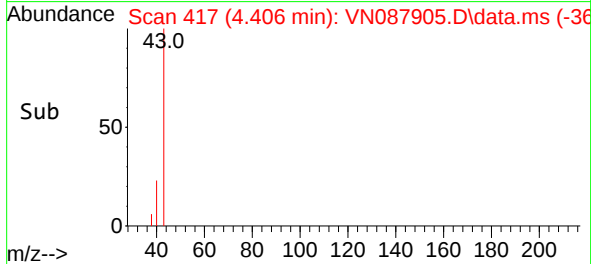


#16
Acetone
Concen: 0.283 ug/l
RT: 4.406 min Scan# 417
Delta R.T. -0.018 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

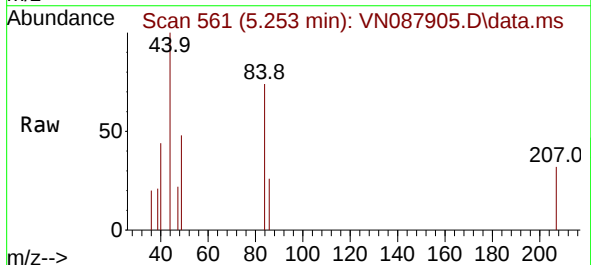
Instrument :
MSVOA_N
ClientSampleId :



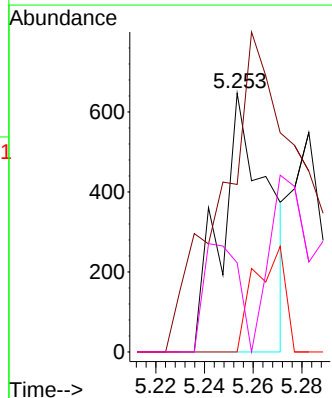
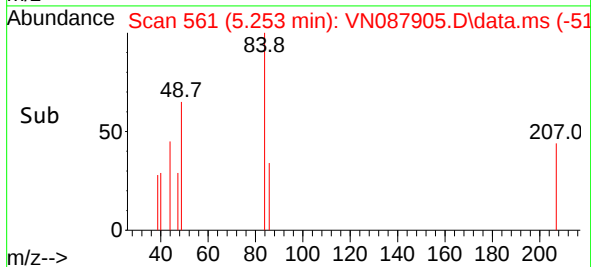
Tgt Ion: 43 Resp: 517
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#

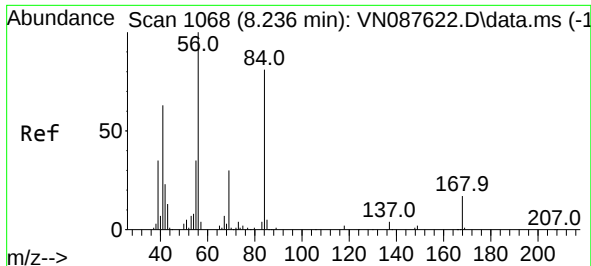


#20
Methylene Chloride
Concen: Below Cal
RT: 5.253 min Scan# 561
Delta R.T. -0.012 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41



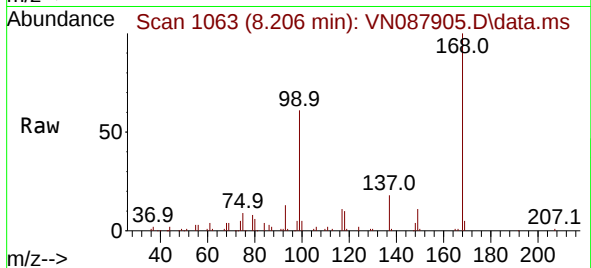
Tgt Ion: 84 Resp: 862
Ion Ratio Lower Upper
84 100
49 41.1 103.4 155.2#
51 0.0 33.8 50.8#
86 34.5 49.6 74.4#



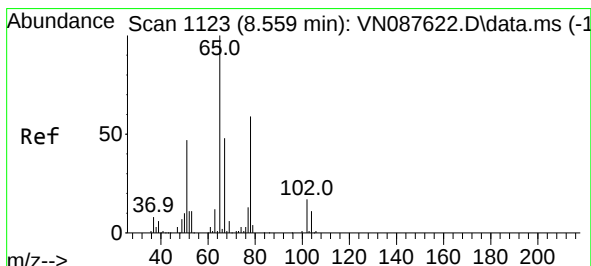
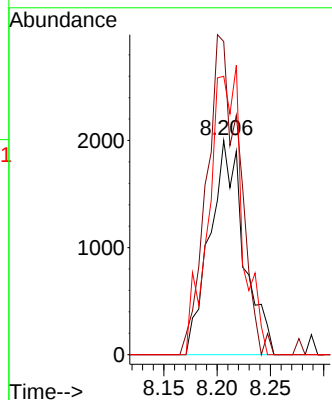
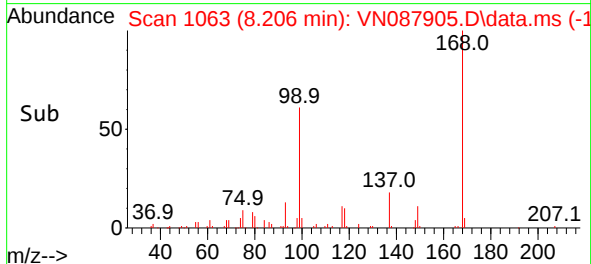


#31
Cyclohexane
Concen: 1.055 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

Instrument :
MSVOA_N
ClientSampleId :

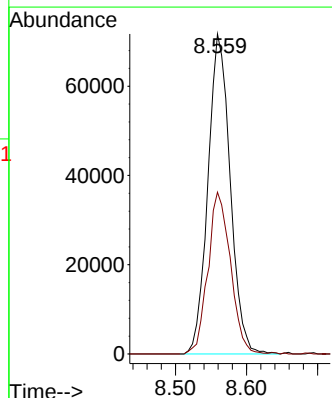
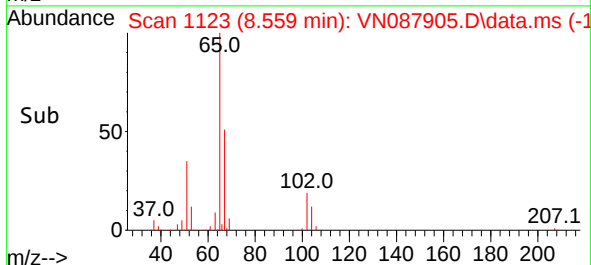
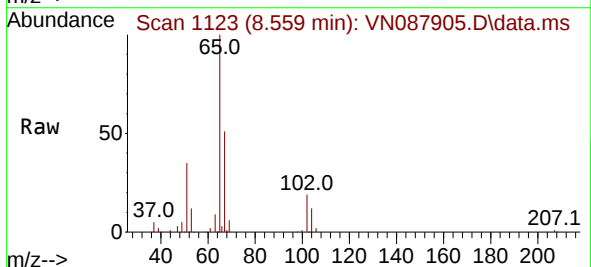


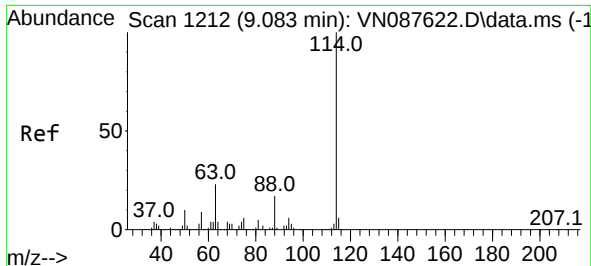
Tgt Ion: 56 Resp: 4446
Ion Ratio Lower Upper
56 100
69 146.1 23.7 35.5#
84 129.9 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 46.604 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

Tgt Ion: 65 Resp: 156214
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.0

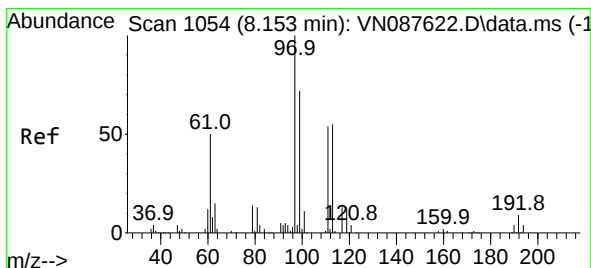
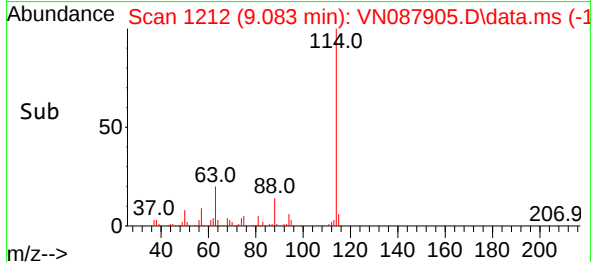
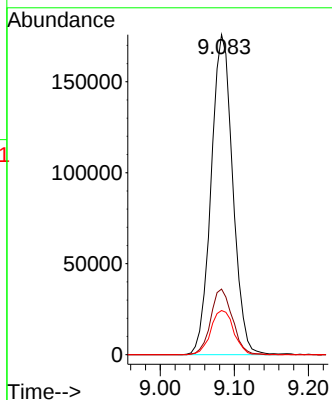
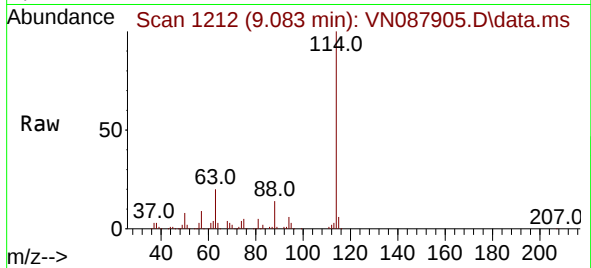




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

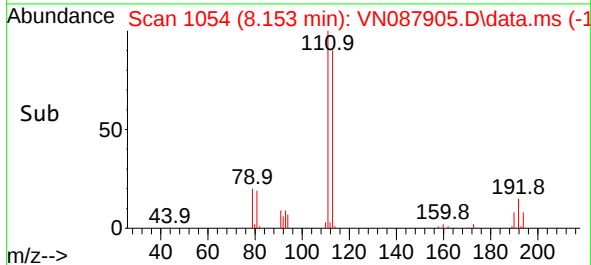
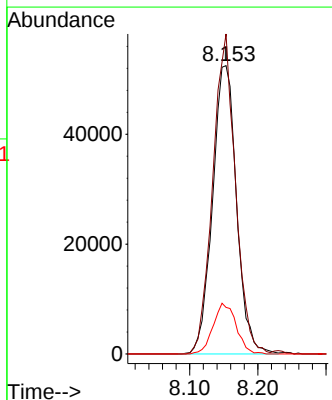
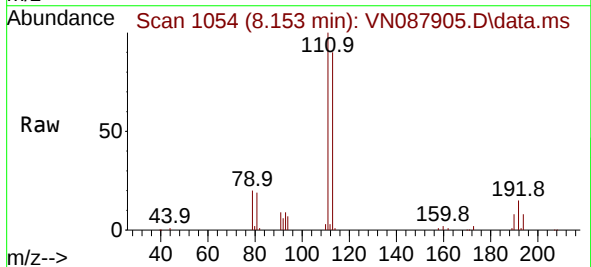
Instrument :
MSVOA_N
ClientSampleId :

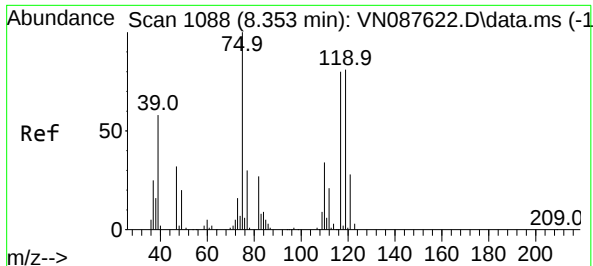
Tgt Ion:114 Resp: 355593
Ion Ratio Lower Upper
114 100
63 20.5 0.0 45.2
88 13.8 0.0 33.4



#35
Dibromofluoromethane
Concen: 50.233 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

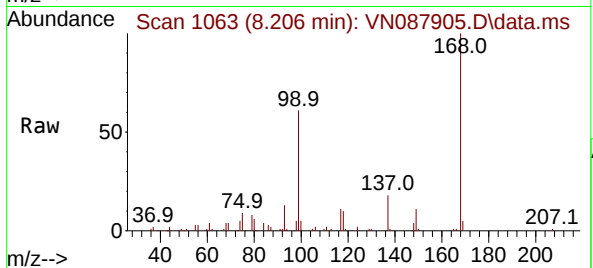
Tgt Ion:113 Resp: 128968
Ion Ratio Lower Upper
113 100
111 104.7 82.8 124.2
192 16.9 12.8 19.2



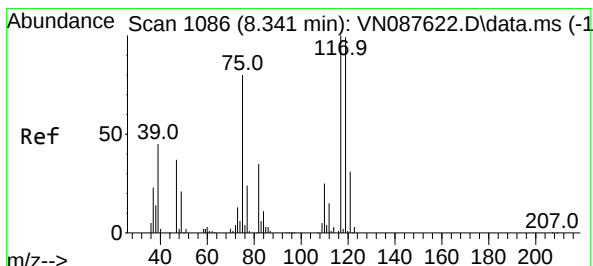
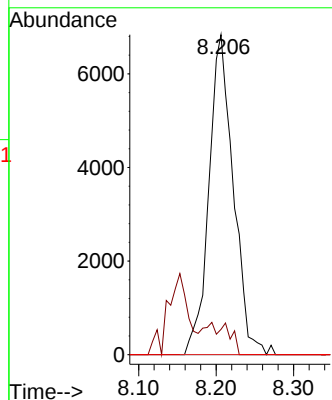
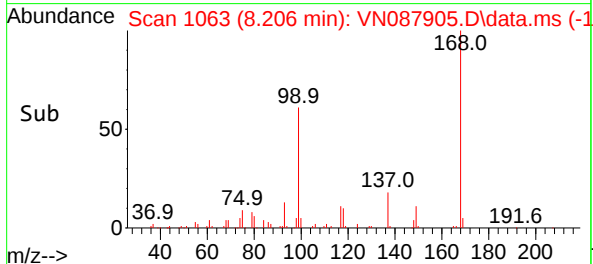


#36
1,1-Dichloropropene
Concen: 3.803 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

Instrument :
MSVOA_N
ClientSampleId :

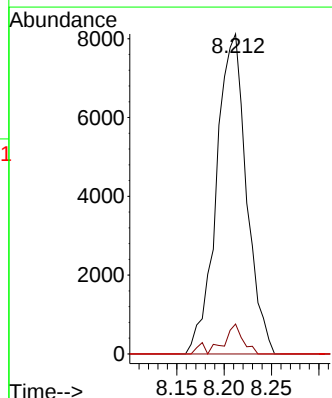
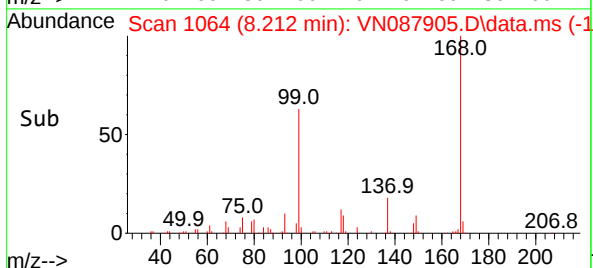
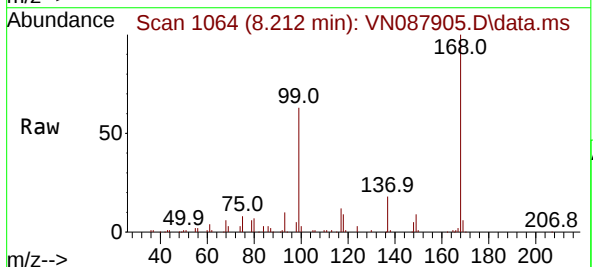


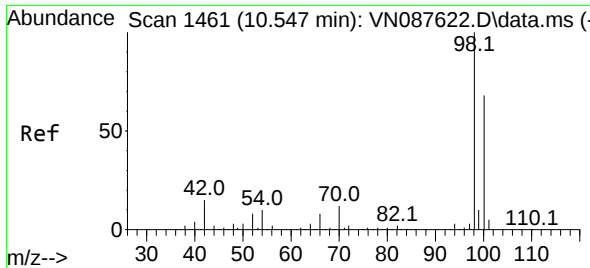
Tgt Ion: 75 Resp: 14979
Ion Ratio Lower Upper
75 100
110 1.7 15.9 47.6#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.606 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.129 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

Tgt Ion: 117 Resp: 17913
Ion Ratio Lower Upper
117 100
119 9.4 79.0 118.6#
121 0.0 25.0 37.6#

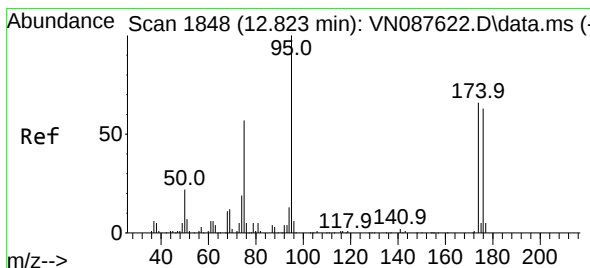
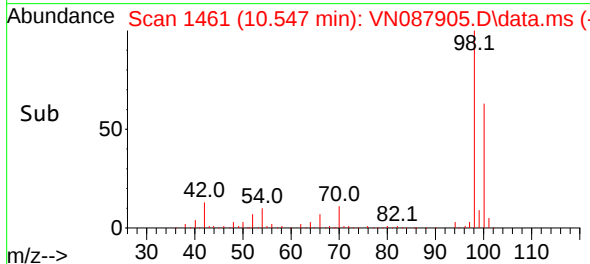
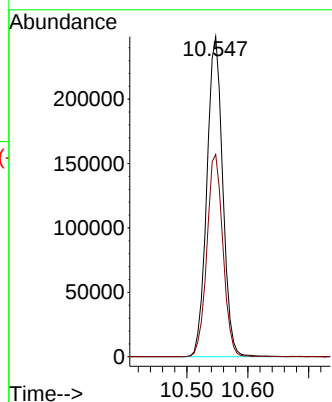
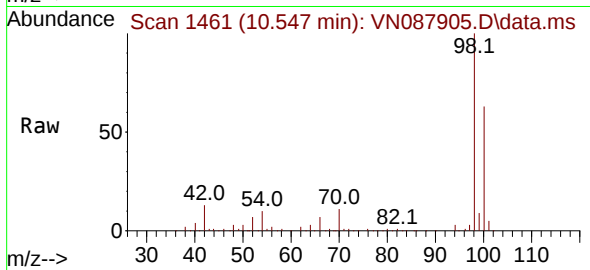




#50
Toluene-d8
Concen: 46.765 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

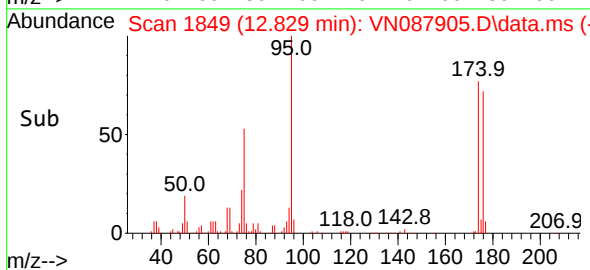
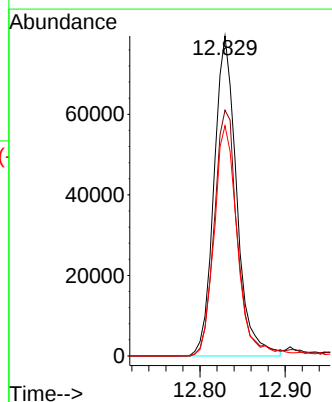
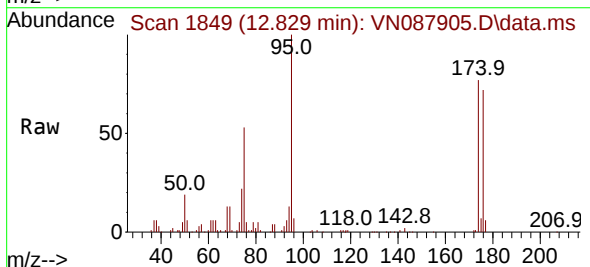
Instrument :
MSVOA_N
ClientSampleId :

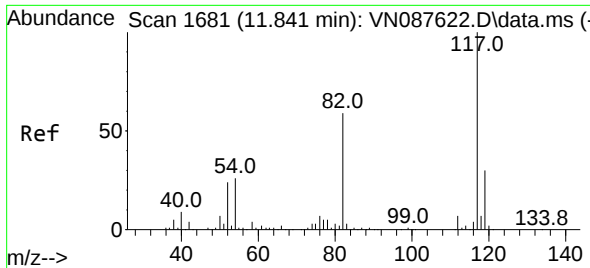
Tgt Ion: 98 Resp: 449373
Ion Ratio Lower Upper
98 100
100 63.8 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 42.851 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

Tgt Ion: 95 Resp: 146437
Ion Ratio Lower Upper
95 100
174 78.4 0.0 138.4
176 73.9 0.0 132.6

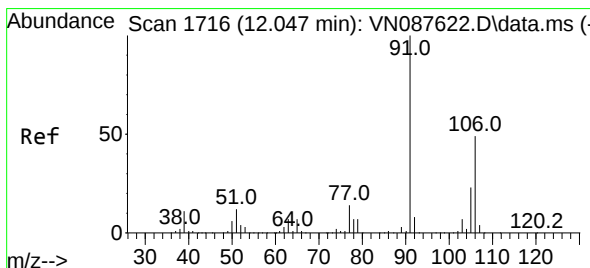
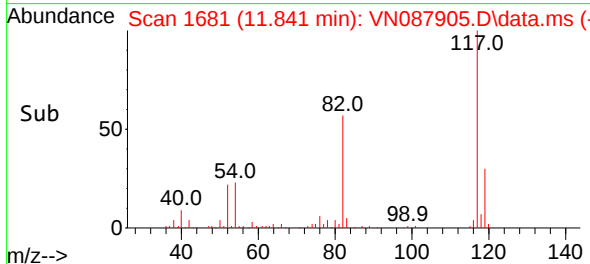
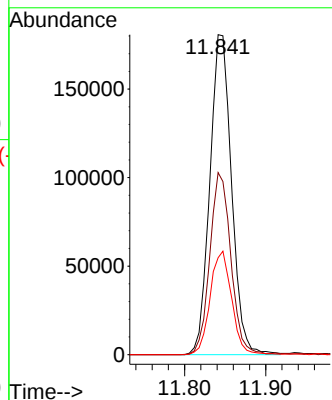
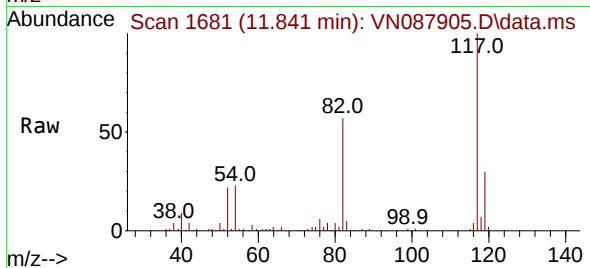




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

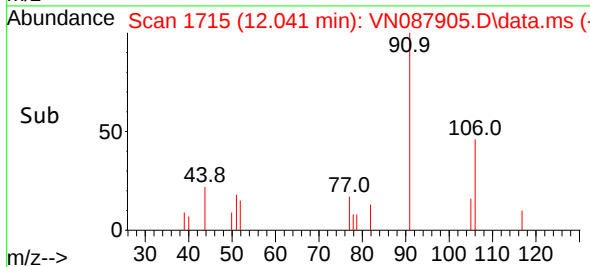
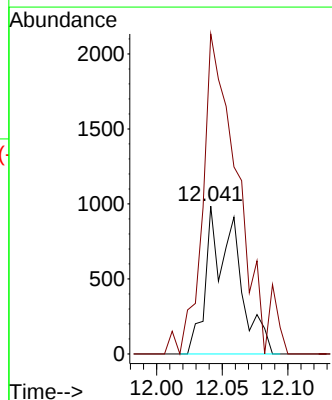
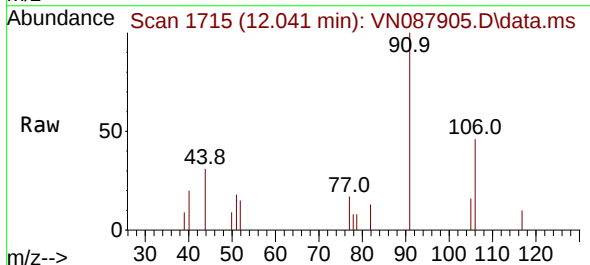
Instrument :
MSVOA_N
ClientSampleId :

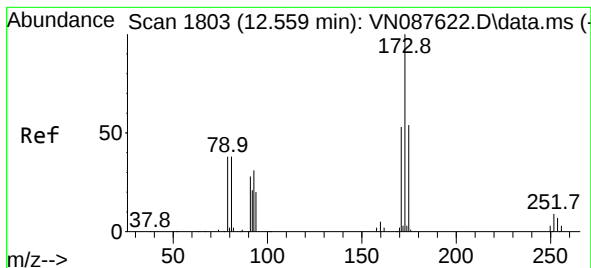
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.9	47.4	71.2
119	30.3	24.3	36.5



#68
m/p-Xylenes
Concen: 0.300 ug/l
RT: 12.041 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

Tgt Ion	Ratio	Lower	Upper
106	100		
91	253.6	169.3	253.9





#71

Bromoform

Concen: 0.452 ug/l

RT: 12.829 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN087905.D

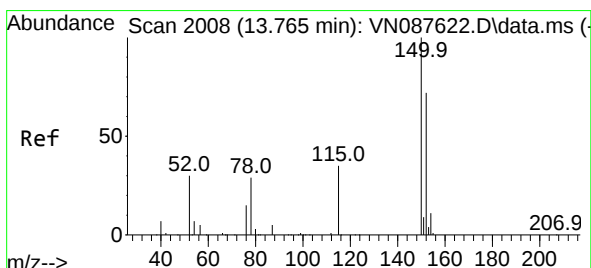
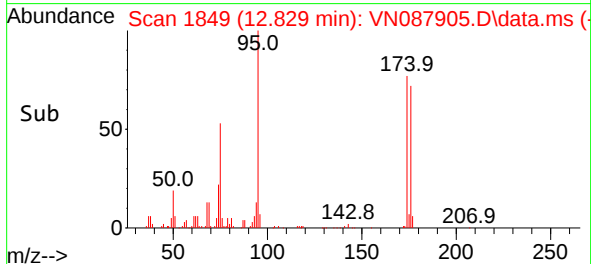
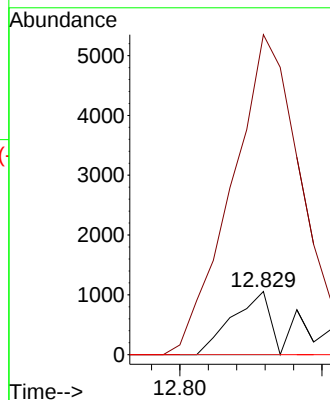
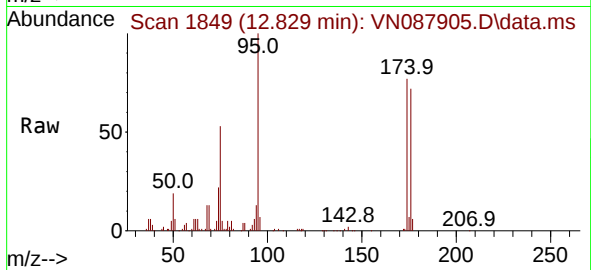
Acq: 19 Sep 2025 12:41

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173	Resp:	964
Ion Ratio	Lower	Upper
173	100	
175	708.4	24.9 74.6#
254	0.0	0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

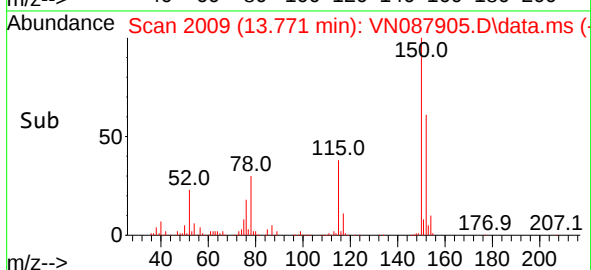
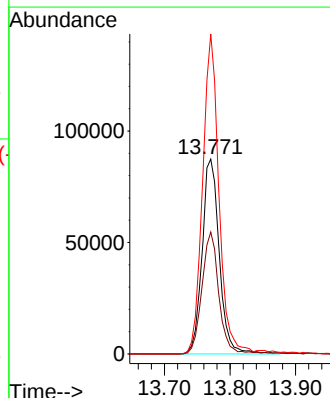
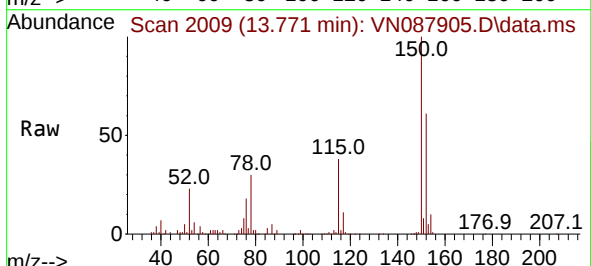
RT: 13.771 min Scan# 2009

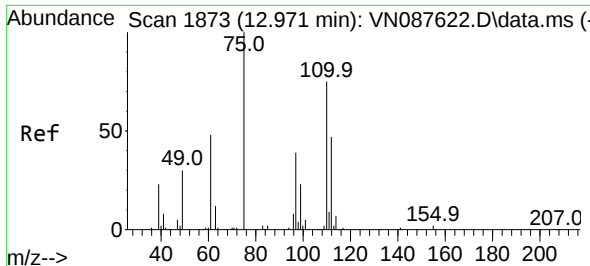
Delta R.T. 0.006 min

Lab File: VN087905.D

Acq: 19 Sep 2025 12:41

Tgt Ion:152	Resp:	159900
Ion Ratio	Lower	Upper
152	100	
115	61.9	32.3 96.8
150	155.7	0.0 351.0

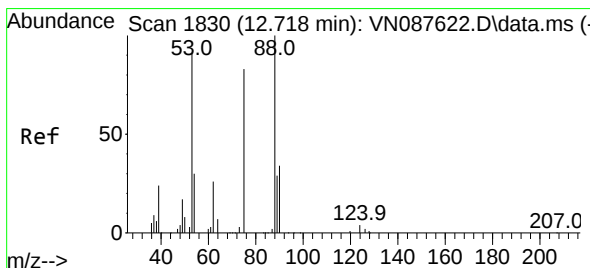
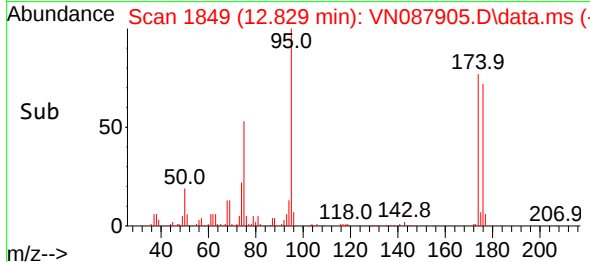
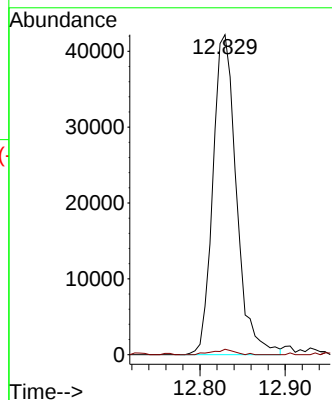
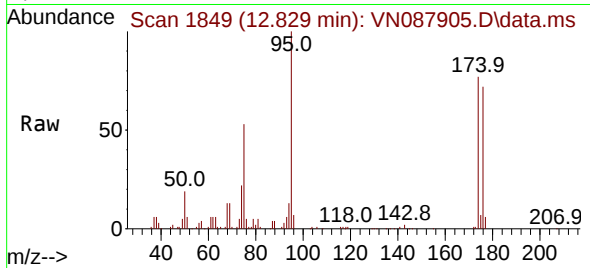




#76
1,2,3-Trichloropropane
Concen: 21.595 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 80977
Ion Ratio Lower Upper
75 100
77 1.6 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.171 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087905.D
Acq: 19 Sep 2025 12:41

Tgt Ion: 75 Resp: 80977
Ion Ratio Lower Upper
75 100
53 0.2 101.8 152.6#
89 0.0 35.6 53.4#

