

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090525\
 Data File : VN087745.D
 Acq On : 05 Sep 2025 16:06
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 06 01:08:08 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)

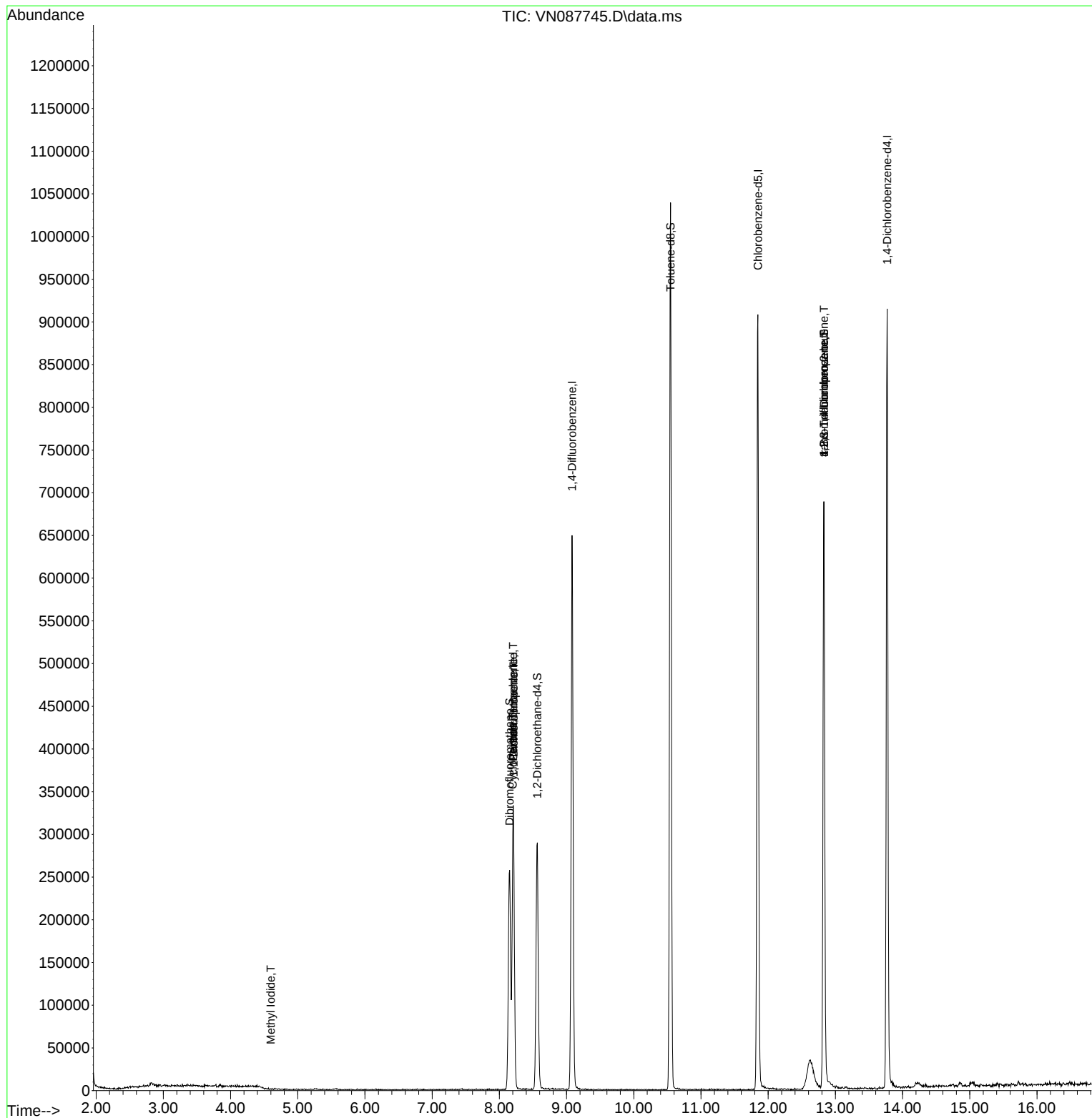
Internal Standards						
1) Pentafluorobenzene	8.206	168	219150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	513930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	484258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	233573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	237458	52.884	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.760%			
35) Dibromofluoromethane	8.153	113	183642	49.492	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.980%			
50) Toluene-d8	10.547	98	671819	48.374	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.740%			
62) 4-Bromofluorobenzene	12.829	95	232822	47.140	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.280%			
Target Compounds			Qvalue			
10) Methyl Iodide	4.600	142	72	6.838	ug/l #	38
20) Methylene Chloride	5.271	84	479	Below Cal	#	38
31) Cyclohexane	8.200	56	6795	1.203	ug/l #	65
36) 1,1-Dichloropropene	8.212	75	21381	3.756	ug/l #	52
38) Carbon Tetrachloride	8.206	117	25623	4.559	ug/l #	12
76) 1,2,3-Trichloropropane	12.829	75	136666	24.951	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	136666	66.055	ug/l #	1

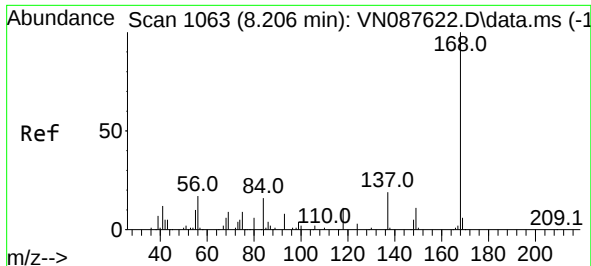
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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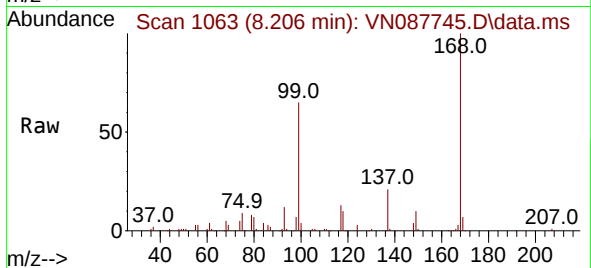
Quant Time: Sep 06 01:08:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



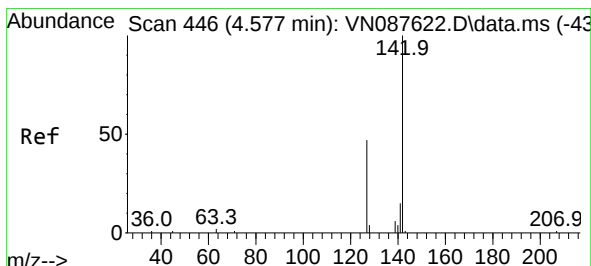
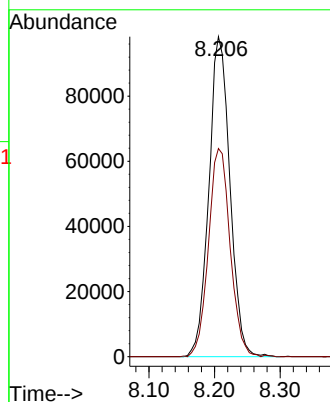
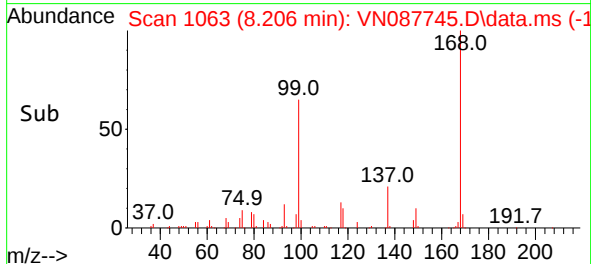


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087745.D
Acq: 05 Sep 2025 16:06

Instrument :
MSVOA_N
ClientSampleId :

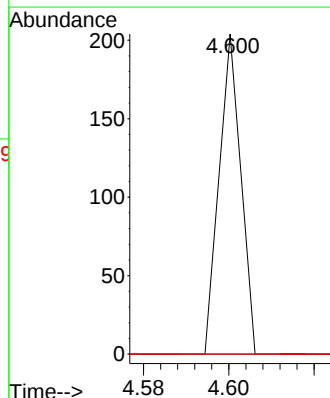
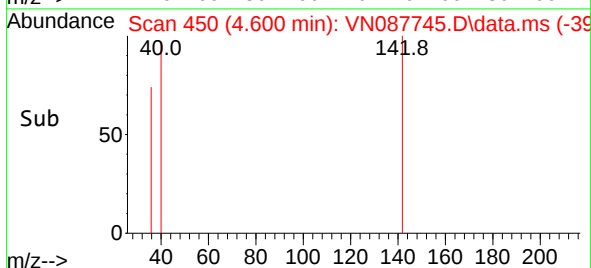
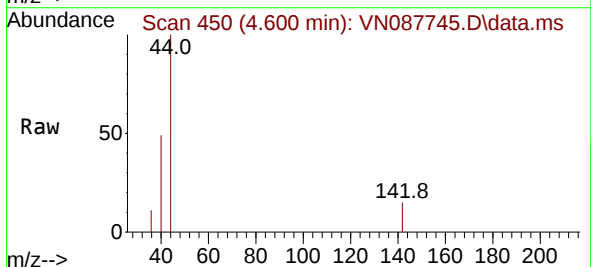


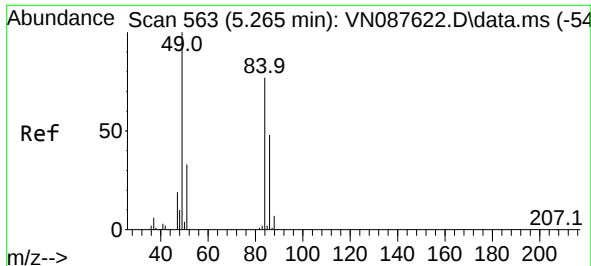
Tgt Ion:168 Resp: 219150
Ion Ratio Lower Upper
168 100
99 65.1 57.2 85.8



#10
Methyl Iodide
Concen: 6.838 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.023 min
Lab File: VN087745.D
Acq: 05 Sep 2025 16:06

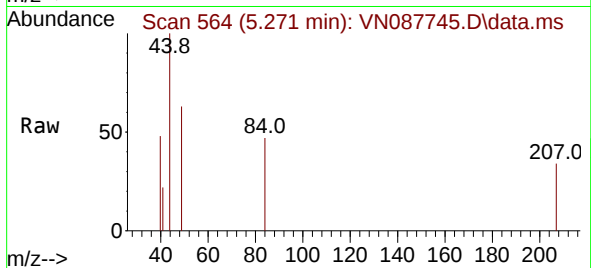
Tgt Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



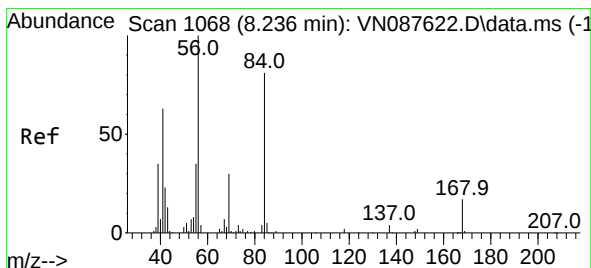
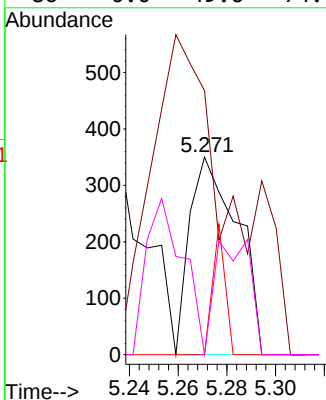
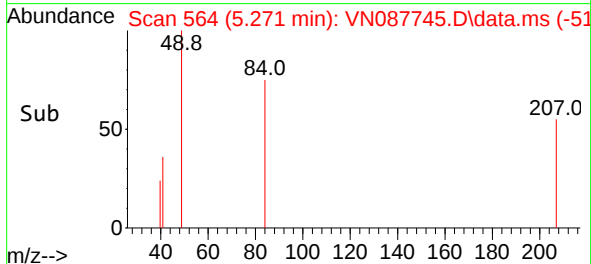


#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087745.D
Acq: 05 Sep 2025 16:06

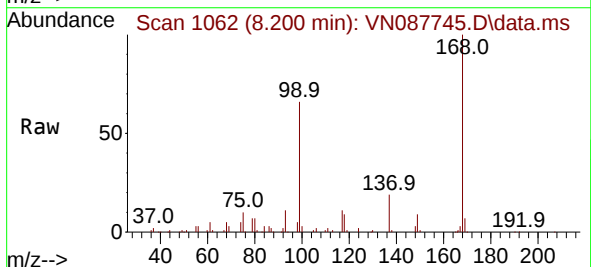
Instrument :
MSVOA_N
ClientSampleId :



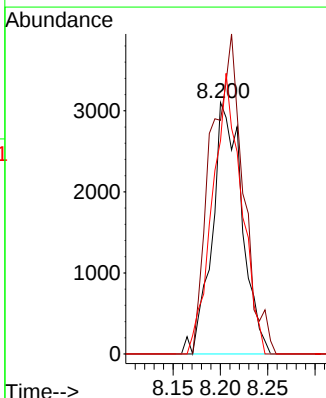
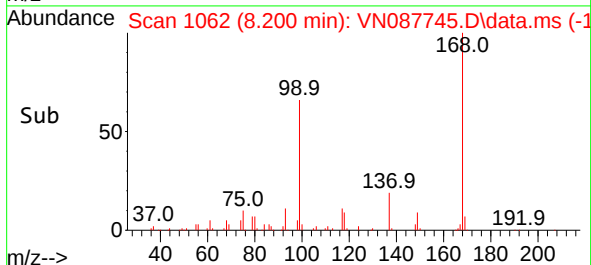
Tgt Ion: 84 Resp: 479
Ion Ratio Lower Upper
84 100
49 69.7 103.4 155.2#
51 0.0 33.8 50.8#
86 0.0 49.6 74.4#

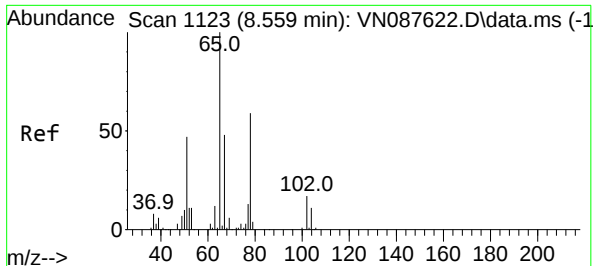


#31
Cyclohexane
Concen: 1.203 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.036 min
Lab File: VN087745.D
Acq: 05 Sep 2025 16:06



Tgt Ion: 56 Resp: 6795
Ion Ratio Lower Upper
56 100
69 92.9 23.7 35.5#
84 84.9 64.7 97.1

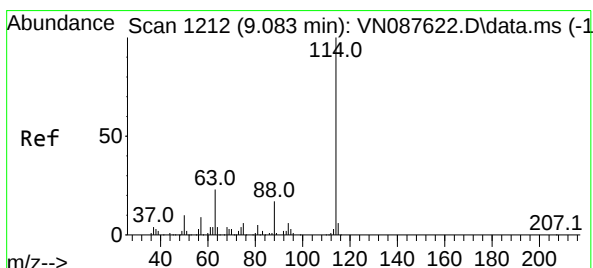
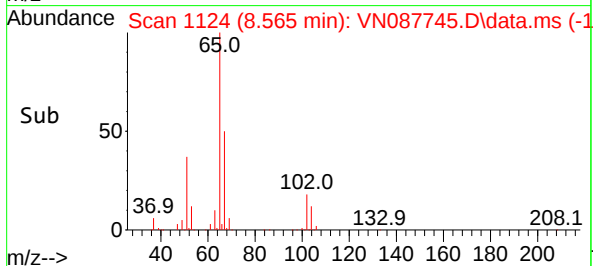
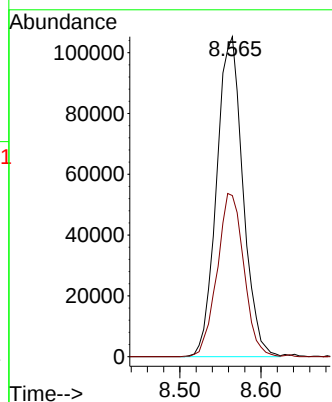
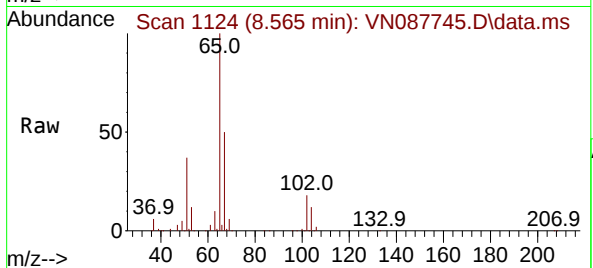




#33
 1,2-Dichloroethane-d4
 Concen: 52.884 ug/l
 RT: 8.565 min Scan# 1123
 Delta R.T. 0.006 min
 Lab File: VN087745.D
 Acq: 05 Sep 2025 16:06

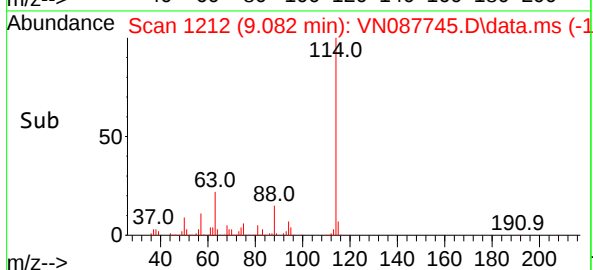
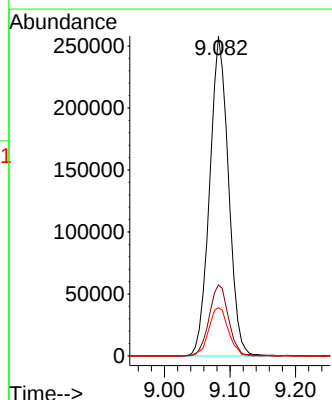
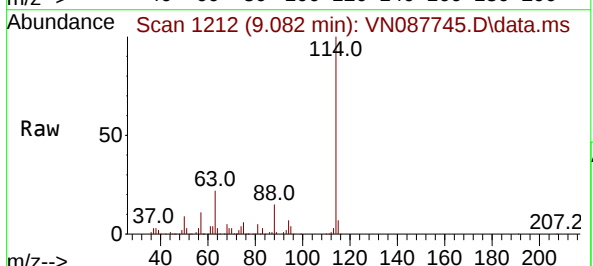
Instrument :
 MSVOA_N
 ClientSampleId :

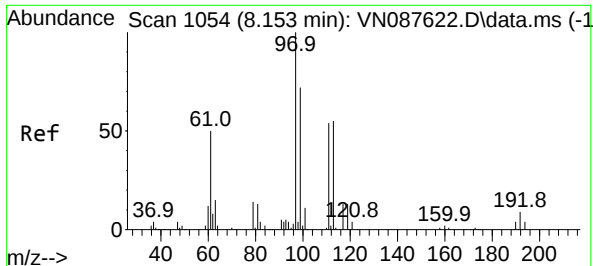
Tgt Ion: 65 Resp: 237458
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 100.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.082 min Scan# 1212
 Delta R.T. -0.000 min
 Lab File: VN087745.D
 Acq: 05 Sep 2025 16:06

Tgt Ion: 114 Resp: 513930
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.2
 88 15.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.492 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087745.D

Acq: 05 Sep 2025 16:06

Instrument :

MSVOA_N

ClientSampleId :

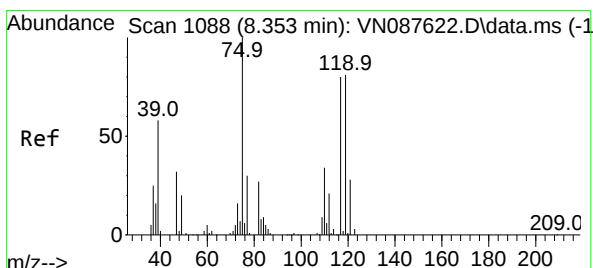
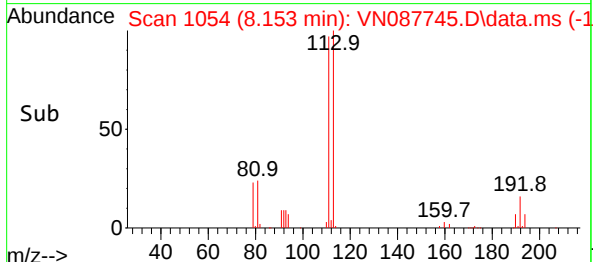
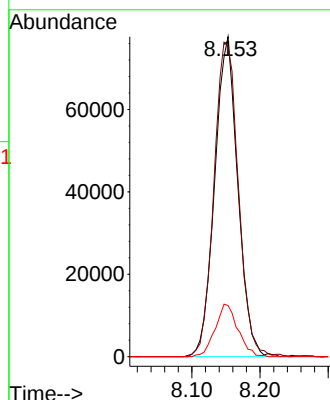
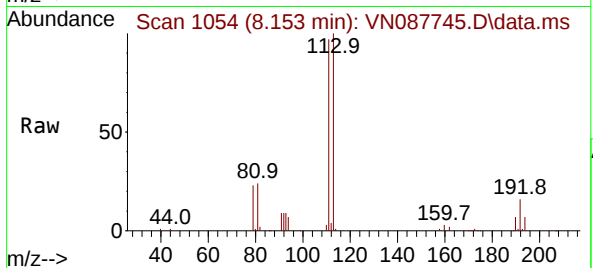
Tgt Ion:113 Resp: 183642

Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 16.2 12.8 19.2



#36

1,1-Dichloropropene

Concen: 3.756 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087745.D

Acq: 05 Sep 2025 16:06

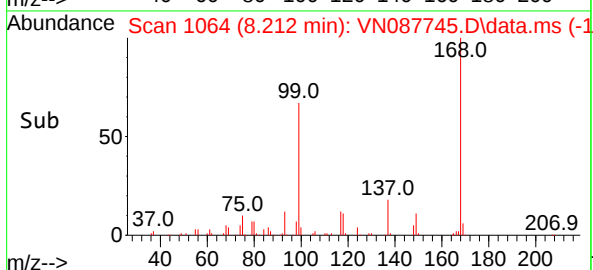
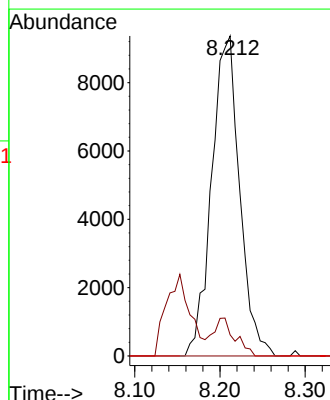
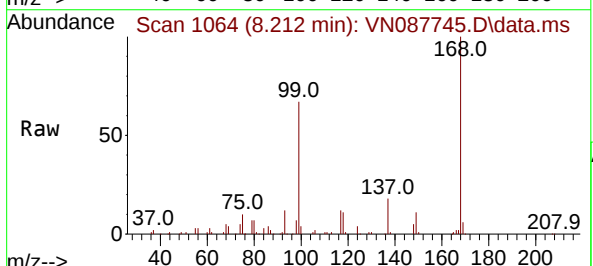
Tgt Ion: 75 Resp: 21381

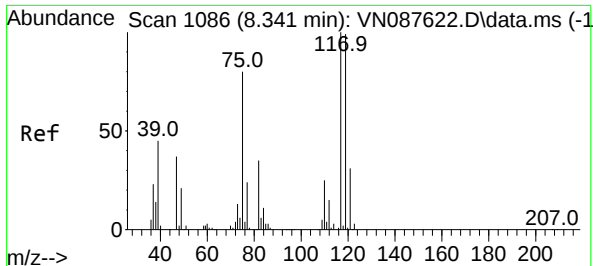
Ion Ratio Lower Upper

75 100

110 9.2 15.9 47.6#

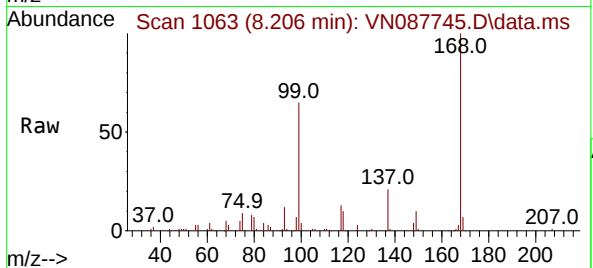
77 0.0 24.4 36.6#



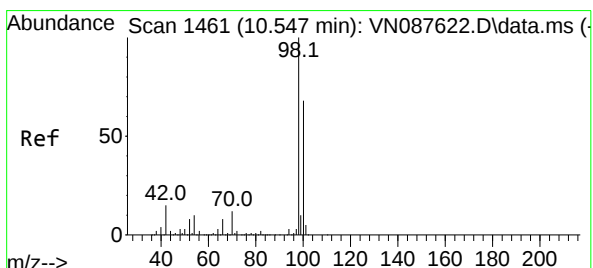
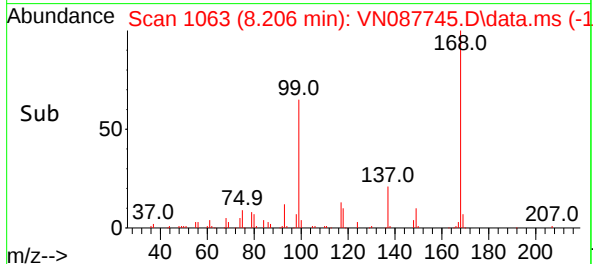
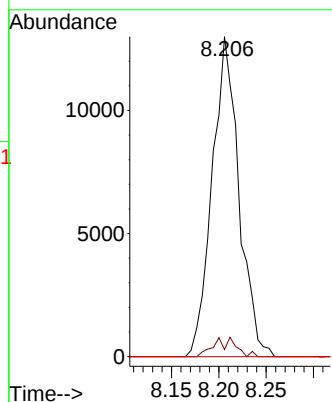


#38
Carbon Tetrachloride
Concen: 4.559 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087745.D
Acq: 05 Sep 2025 16:06

Instrument :
MSVOA_N
ClientSampleId :

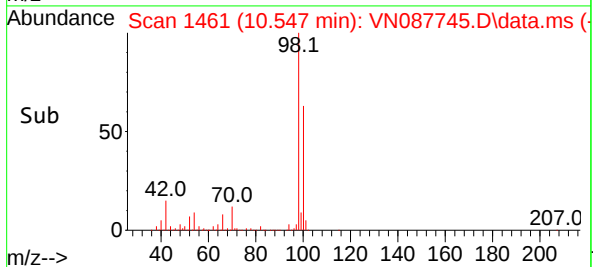
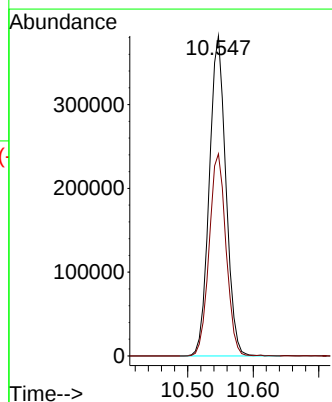
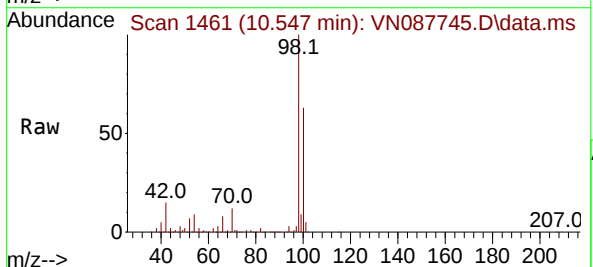


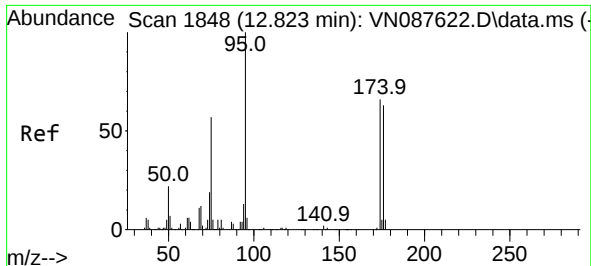
Tgt Ion:117 Resp: 25623
Ion Ratio Lower Upper
117 100
119 2.2 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 48.374 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087745.D
Acq: 05 Sep 2025 16:06

Tgt Ion: 98 Resp: 671819
Ion Ratio Lower Upper
98 100
100 64.1 52.8 79.2

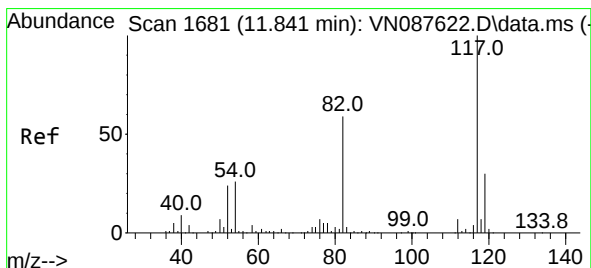
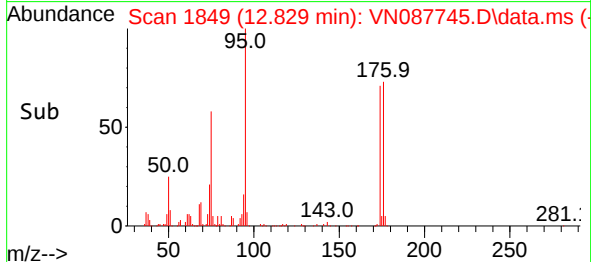
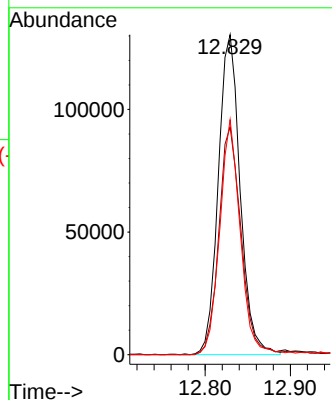
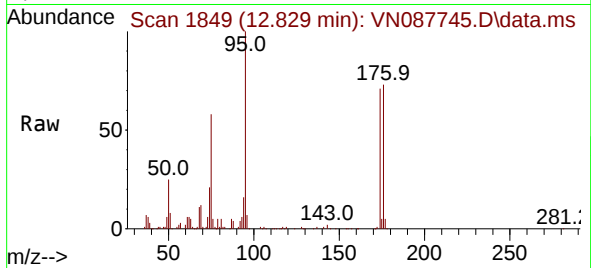




#62
4-Bromofluorobenzene
Concen: 47.140 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087745.D
Acq: 05 Sep 2025 16:06

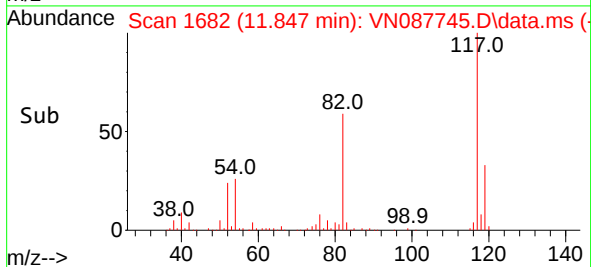
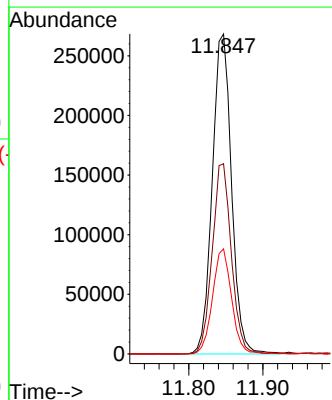
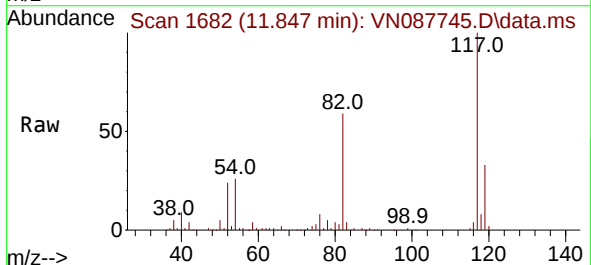
Instrument :
MSVOA_N
ClientSampleId :

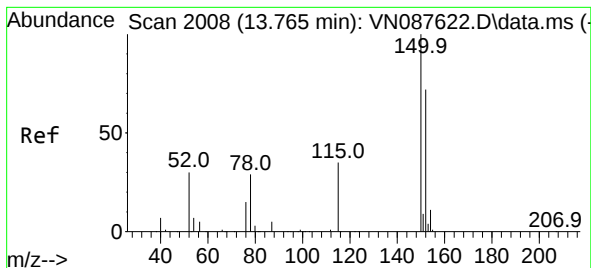
Tgt Ion: 95 Resp: 232822
Ion Ratio Lower Upper
95 100
174 72.1 0.0 138.4
176 69.3 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087745.D
Acq: 05 Sep 2025 16:06

Tgt Ion: 117 Resp: 484258
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 32.9 24.3 36.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2008

Delta R.T. 0.006 min

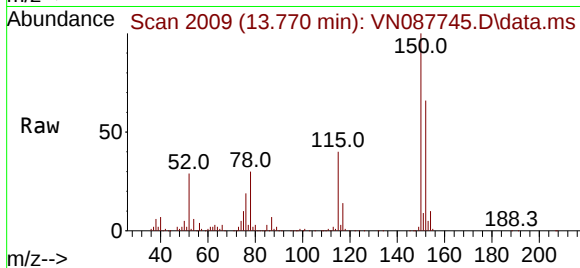
Lab File: VN087745.D

Acq: 05 Sep 2025 16:06

Instrument :

MSVOA_N

ClientSampleId :



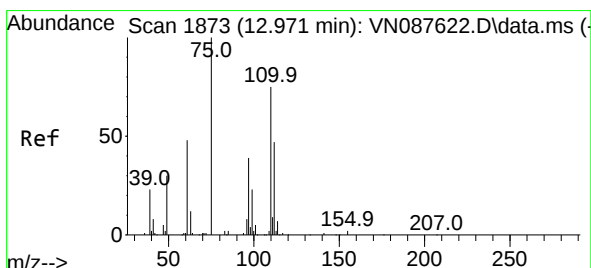
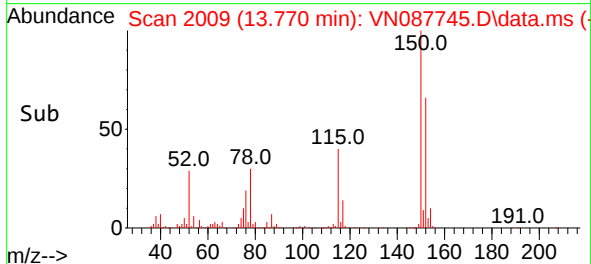
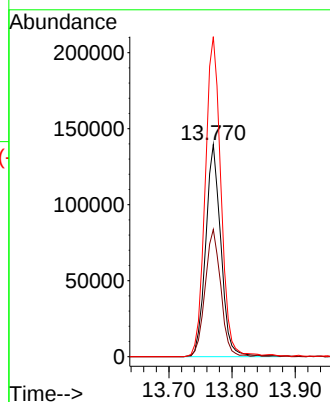
Tgt Ion:152 Resp: 233573

Ion Ratio Lower Upper

152 100

115 61.3 32.3 96.8

150 155.4 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 24.951 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087745.D

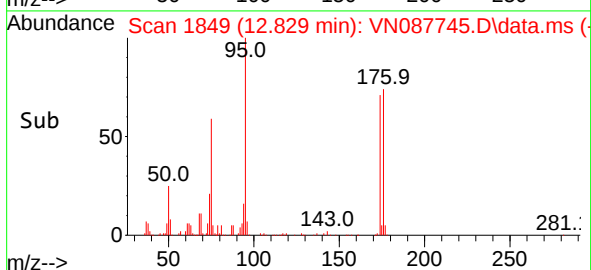
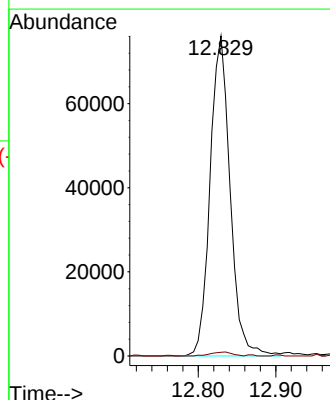
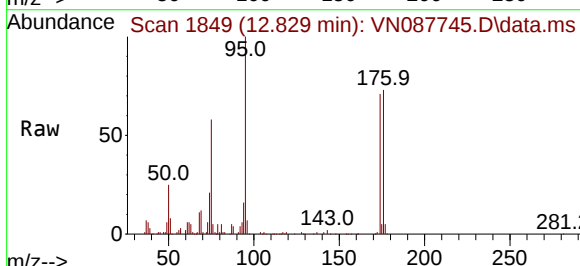
Acq: 05 Sep 2025 16:06

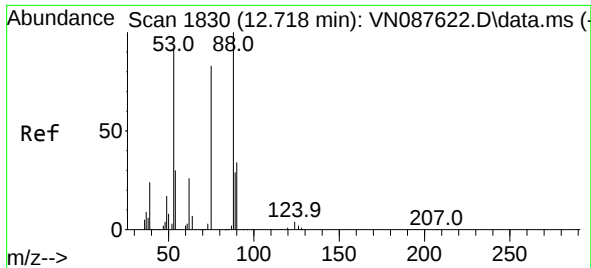
Tgt Ion: 75 Resp: 136666

Ion Ratio Lower Upper

75 100

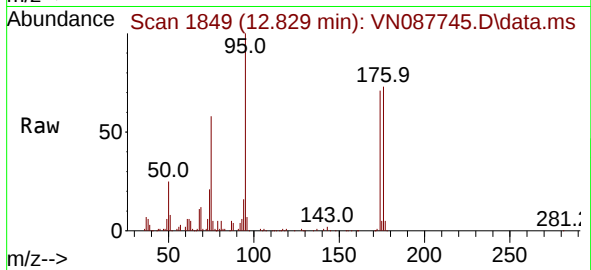
77 1.3 89.1 267.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.055 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087745.D
 Acq: 05 Sep 2025 16:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 136666
 Ion Ratio Lower Upper
 75 100
 53 0.1 101.8 152.6#
 89 0.0 35.6 53.4#

