

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087865.D
 Acq On : 16 Sep 2025 20:43
 Operator : JC\MD
 Sample : Q3087-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 01:30:57 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)

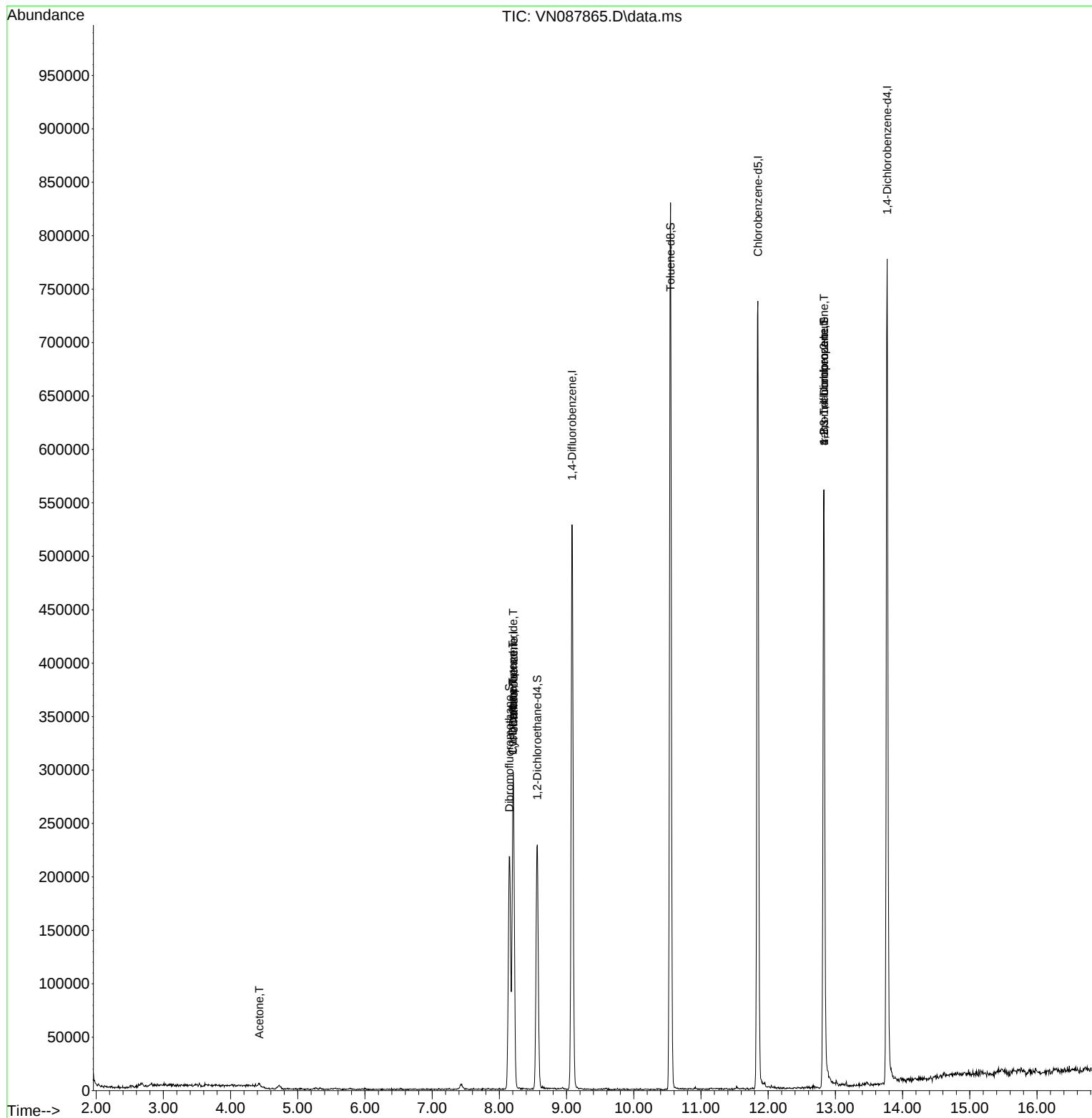
Internal Standards						
1) Pentafluorobenzene	8.212	168	207761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	456514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	428063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	193871	45.544	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.080%
35) Dibromofluoromethane	8.147	113	161644	49.042	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.080%
50) Toluene-d8	10.547	98	564315	45.744	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.480%
62) 4-Bromofluorobenzene	12.829	95	204796	46.680	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.360%
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	2622	1.132	ug/l	97
20) Methylene Chloride	5.265	84	887	Below Cal	#	31
31) Cyclohexane	8.200	56	6258	1.169	ug/l #	53
36) 1,1-Dichloropropene	8.200	75	20114	3.978	ug/l #	52
38) Carbon Tetrachloride	8.206	117	22969	4.601	ug/l #	14
76) 1,2,3-Trichloropropane	12.829	75	114864	23.699	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	114864	62.741	ug/l #	1

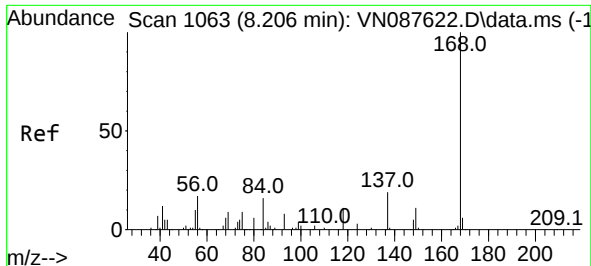
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

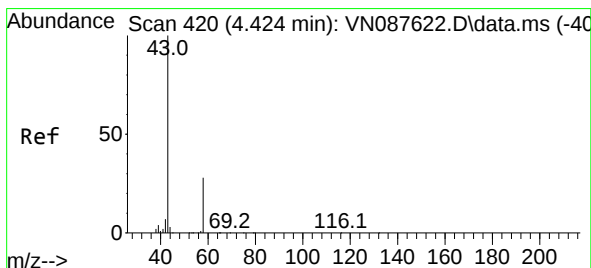
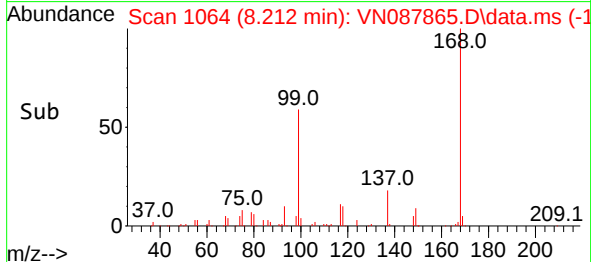
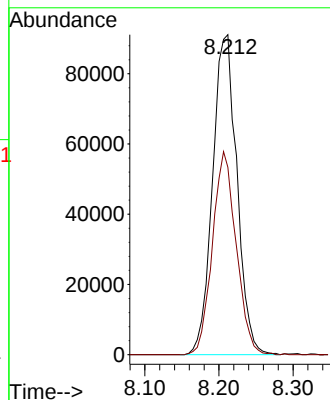
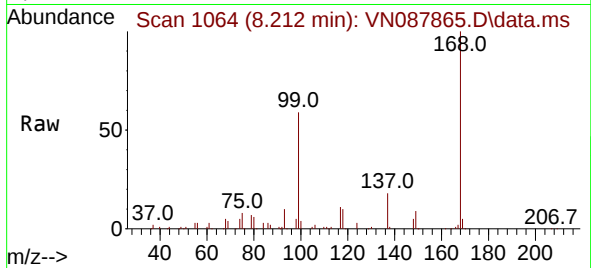




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43

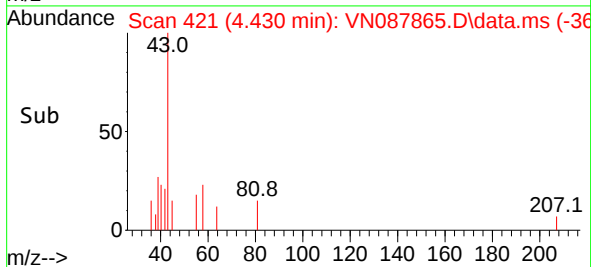
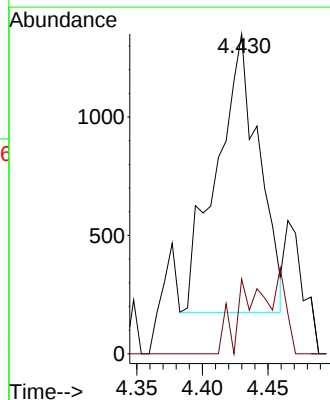
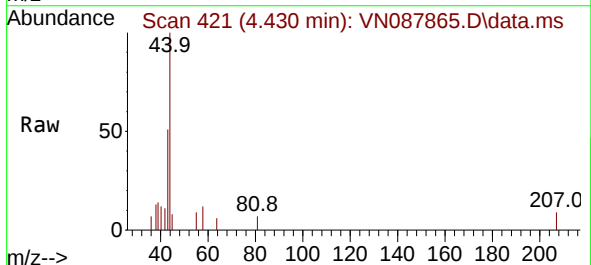
Instrument :
MSVOA_N
ClientSampleId :

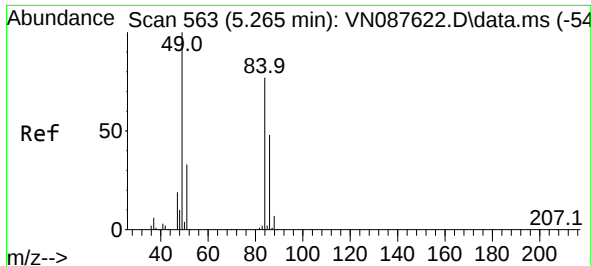
Tgt Ion:168 Resp: 207761
Ion Ratio Lower Upper
168 100
99 58.6 57.2 85.8



#16
Acetone
Concen: 1.132 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43

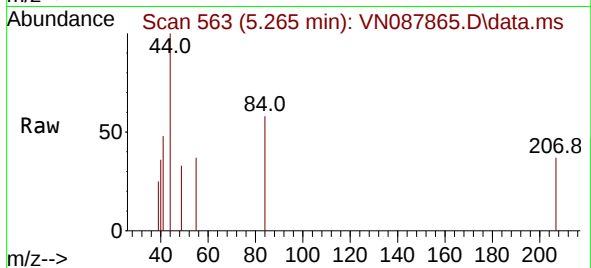
Tgt Ion: 43 Resp: 2622
Ion Ratio Lower Upper
43 100
58 26.9 22.6 33.8



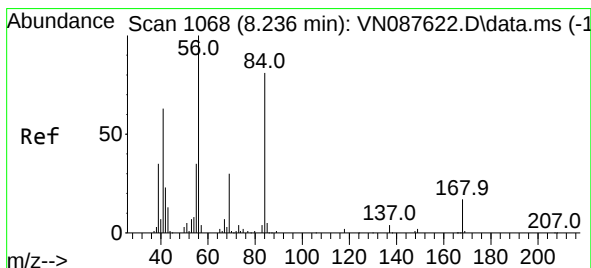
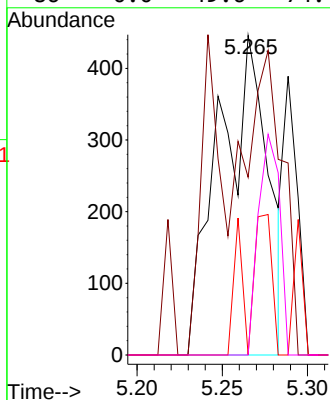
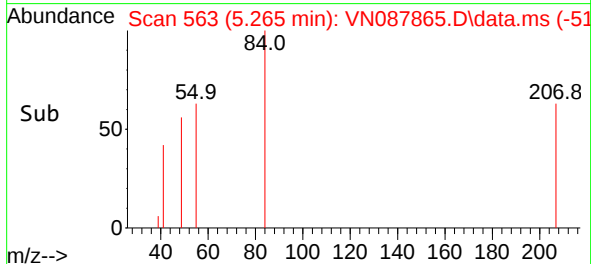


#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43

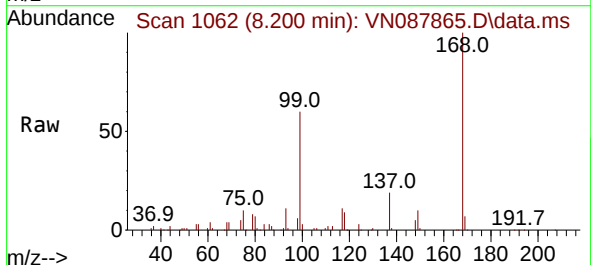
Instrument :
MSVOA_N
ClientSampleId :



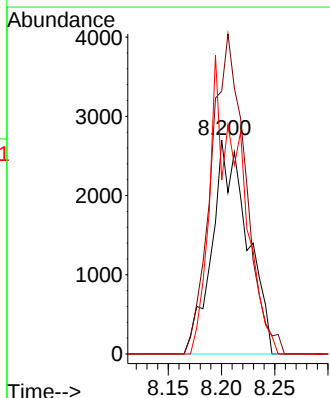
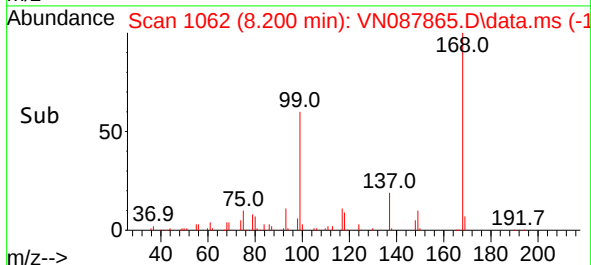
Tgt Ion: 84 Resp: 887
Ion Ratio Lower Upper
84 100
49 55.6 103.4 155.2#
51 0.0 33.8 50.8#
86 0.0 49.6 74.4#

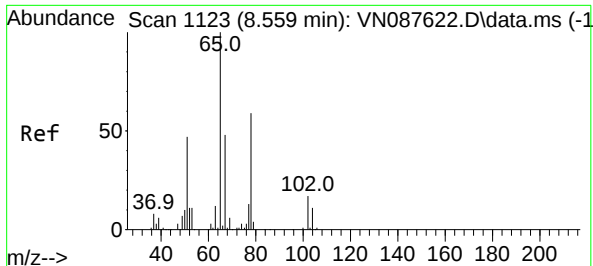


#31
Cyclohexane
Concen: 1.169 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43



Tgt Ion: 56 Resp: 6258
Ion Ratio Lower Upper
56 100
69 122.9 23.7 35.5#
84 81.3 64.7 97.1





#33

1,2-Dichloroethane-d4

Concen: 45.544 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN087865.D

Acq: 16 Sep 2025 20:43

Instrument :

MSVOA_N

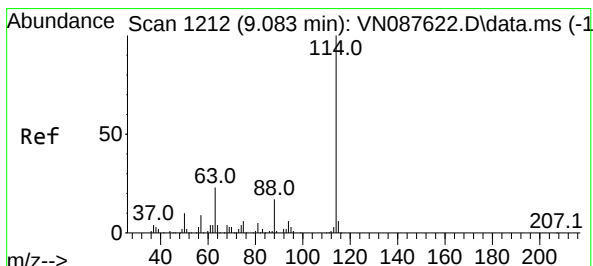
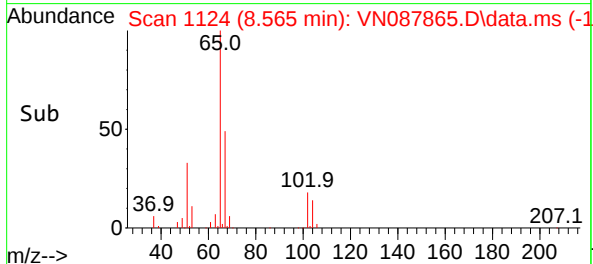
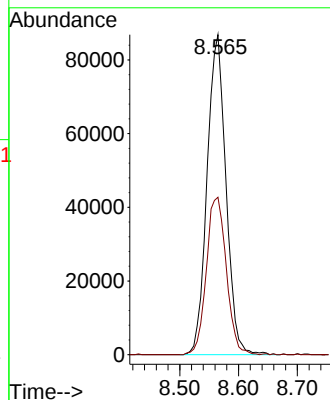
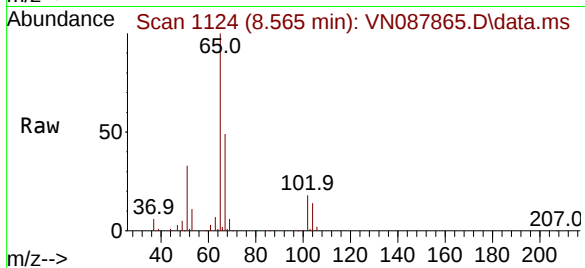
ClientSampleId :

Tgt Ion: 65 Resp: 193871

Ion Ratio Lower Upper

65 100

67 52.0 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: VN087865.D

Acq: 16 Sep 2025 20:43

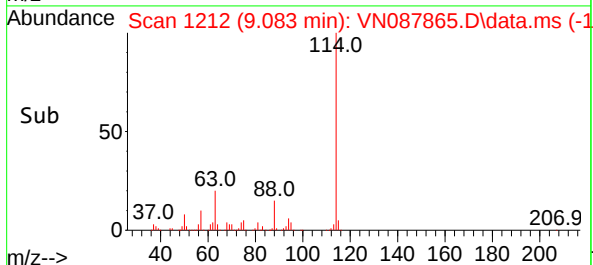
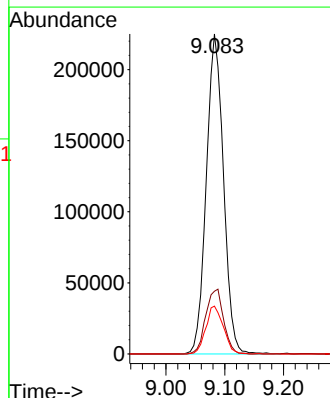
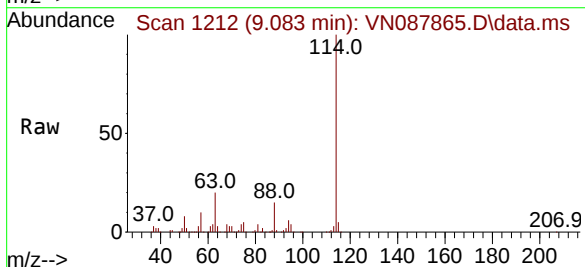
Tgt Ion: 114 Resp: 456514

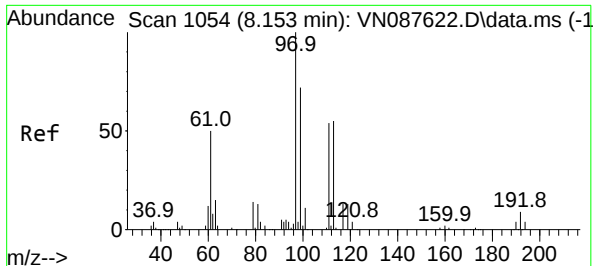
Ion Ratio Lower Upper

114 100

63 19.6 0.0 45.2

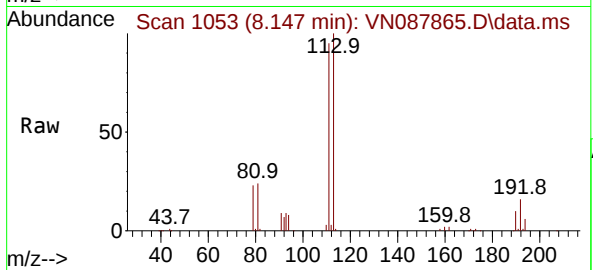
88 15.0 0.0 33.4



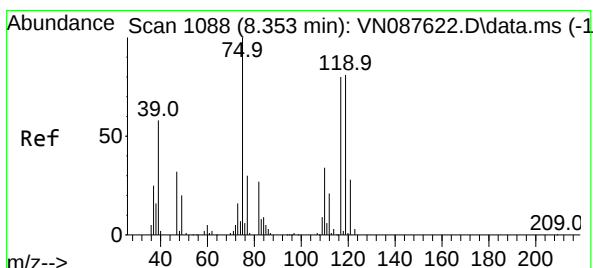
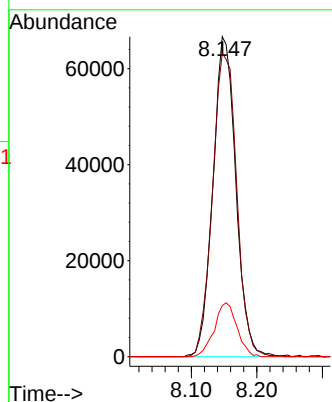
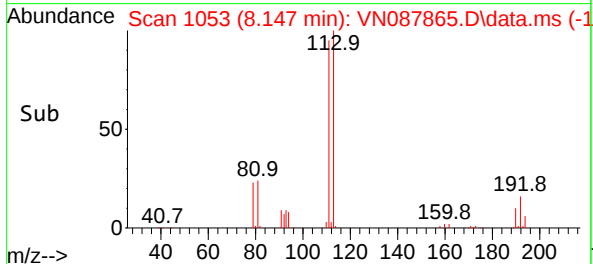


#35
Dibromofluoromethane
Concen: 49.042 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43

Instrument :
MSVOA_N
ClientSampleId :

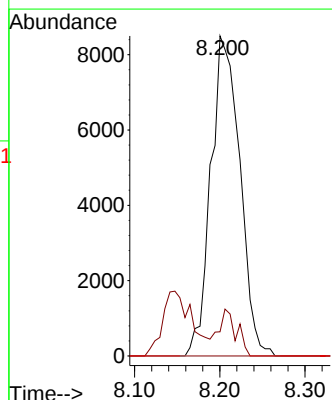
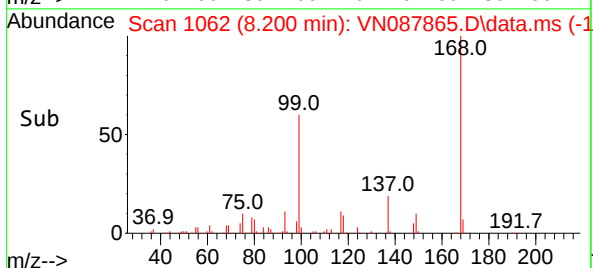
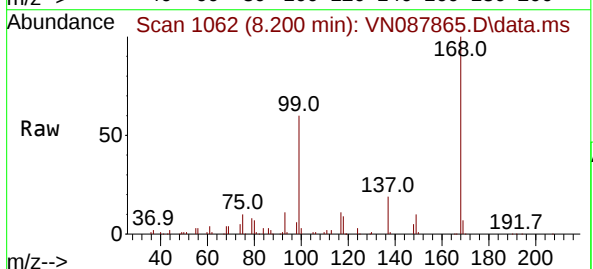


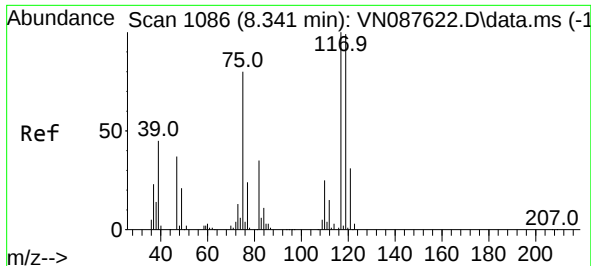
Tgt Ion:113 Resp: 161644
Ion Ratio Lower Upper
113 100
111 100.2 82.8 124.2
192 16.6 12.8 19.2



#36
1,1-Dichloropropene
Concen: 3.978 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.153 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43

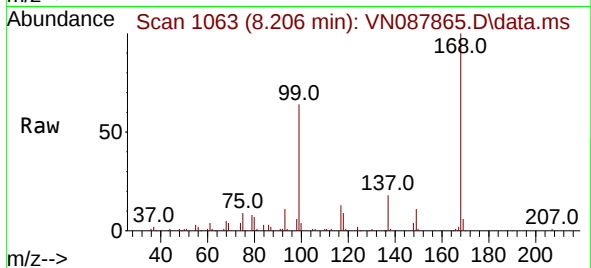
Tgt Ion: 75 Resp: 20114
Ion Ratio Lower Upper
75 100
110 9.0 15.9 47.6#
77 0.0 24.4 36.6#



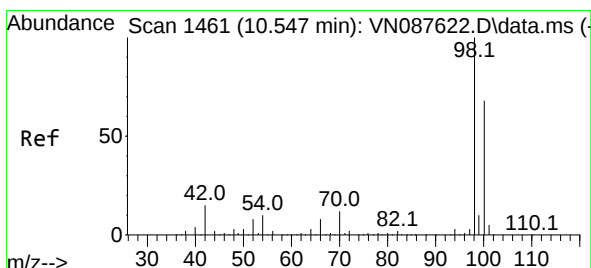
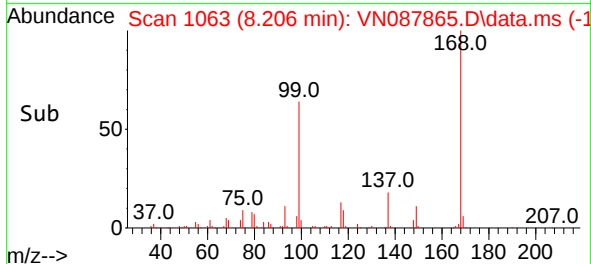
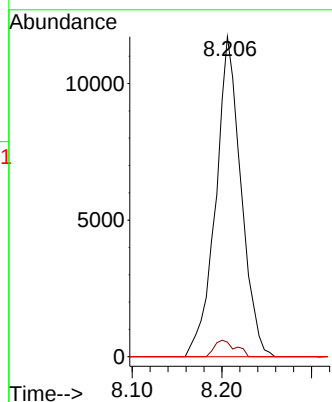


#38
Carbon Tetrachloride
Concen: 4.601 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43

Instrument :
MSVOA_N
ClientSampleId :

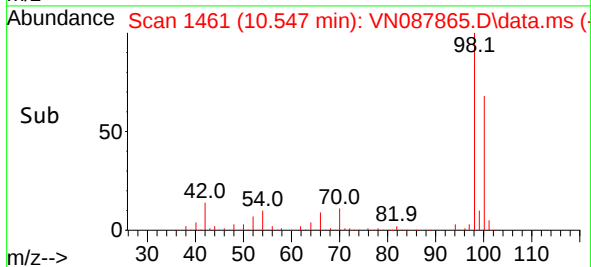
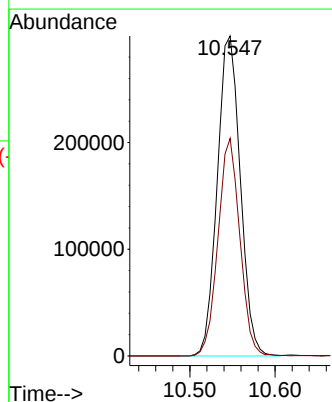
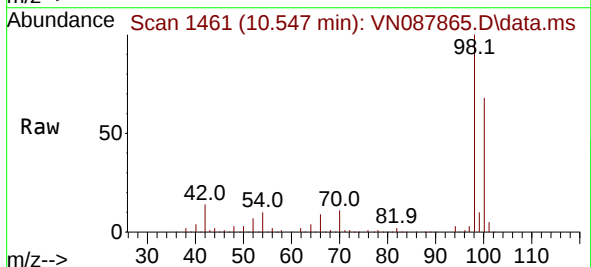


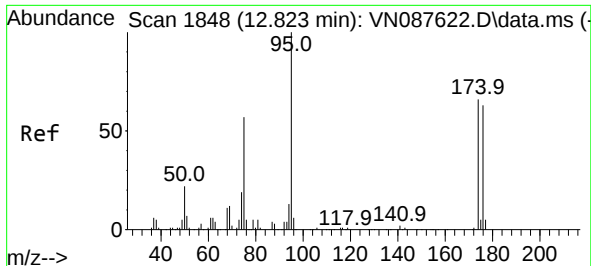
Tgt Ion:117 Resp: 22969
Ion Ratio Lower Upper
117 100
119 4.5 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 45.744 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43

Tgt Ion: 98 Resp: 564315
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2

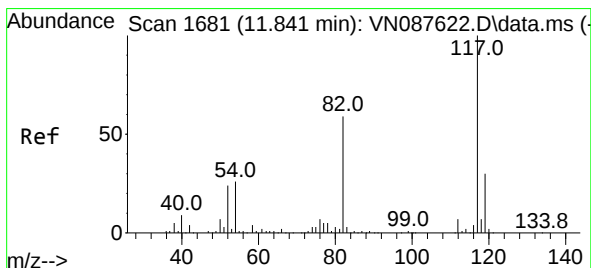
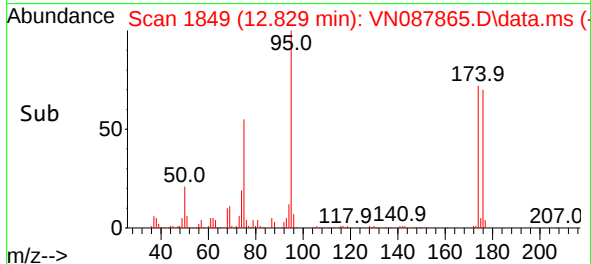
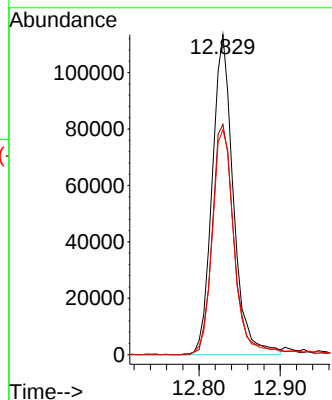
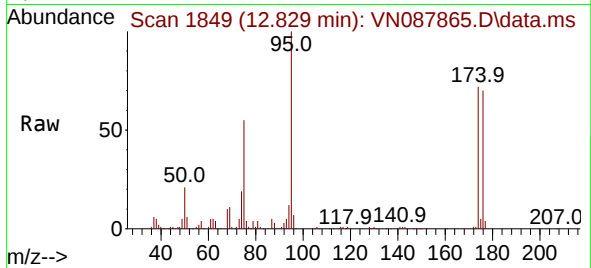




#62
4-Bromofluorobenzene
Concen: 46.680 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43

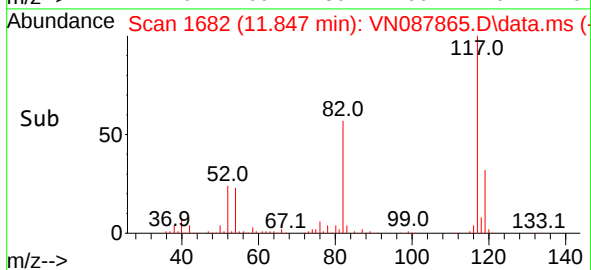
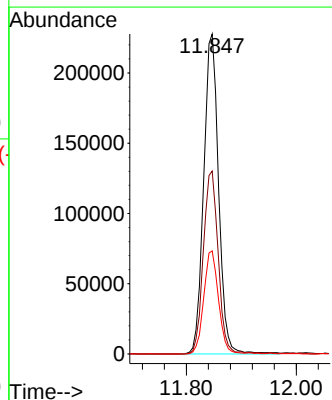
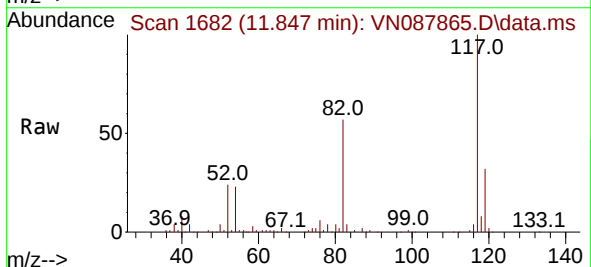
Instrument :
MSVOA_N
ClientSampleId :

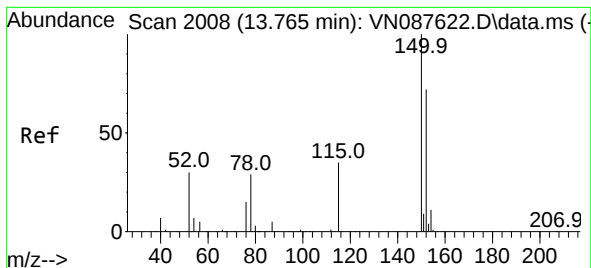
Tgt Ion: 95 Resp: 204796
Ion Ratio Lower Upper
95 100
174 75.3 0.0 138.4
176 73.3 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43

Tgt Ion: 117 Resp: 428063
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.2
119 32.2 24.3 36.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN087865.D

Acq: 16 Sep 2025 20:43

Instrument :

MSVOA_N

ClientSampleId :

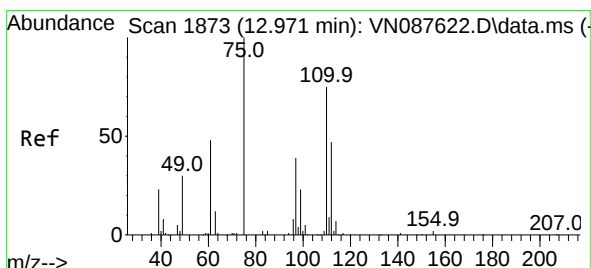
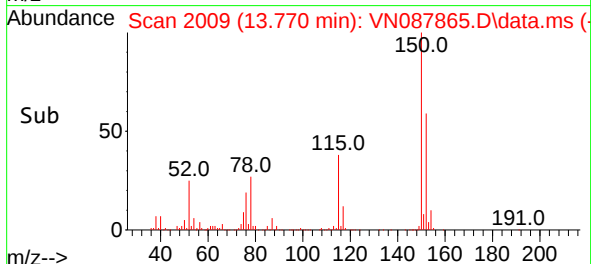
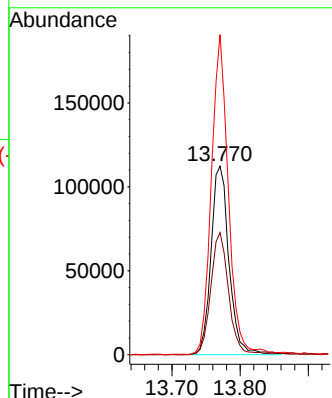
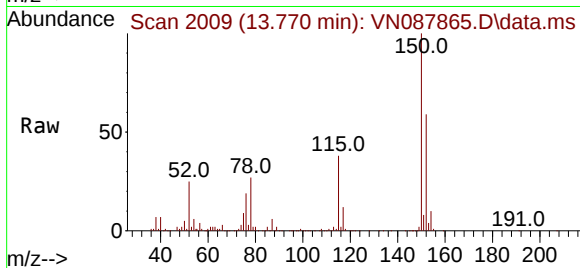
Tgt Ion:152 Resp: 206680

Ion Ratio Lower Upper

152 100

115 64.0 32.3 96.8

150 160.3 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 23.699 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087865.D

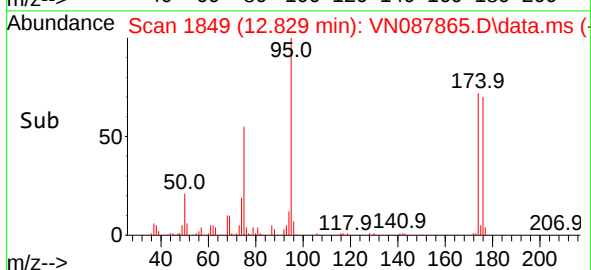
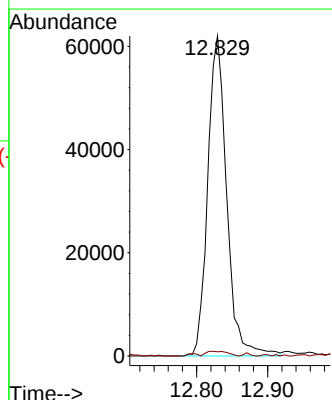
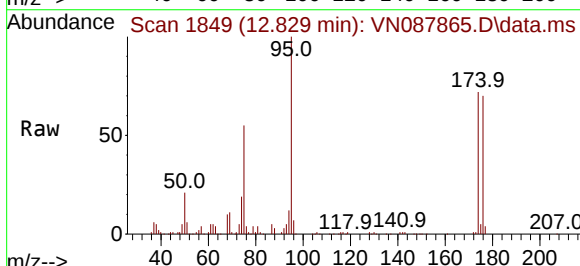
Acq: 16 Sep 2025 20:43

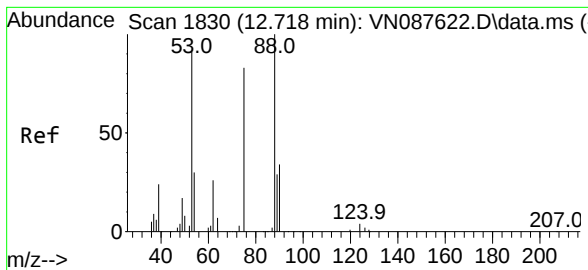
Tgt Ion: 75 Resp: 114864

Ion Ratio Lower Upper

75 100

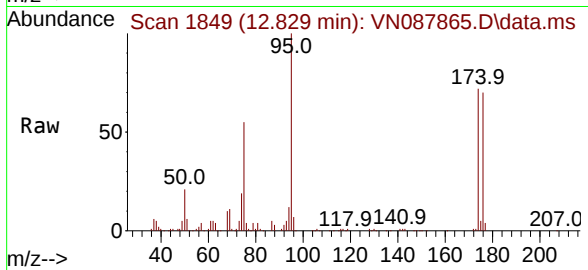
77 1.7 89.1 267.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.741 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087865.D
 Acq: 16 Sep 2025 20:43

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 114864
 Ion Ratio Lower Upper
 75 100
 53 0.2 101.8 152.6#
 89 0.0 35.6 53.4#

