

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087866.D
 Acq On : 16 Sep 2025 21:05
 Operator : JC\MD
 Sample : Q3087-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 01:31:19 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)

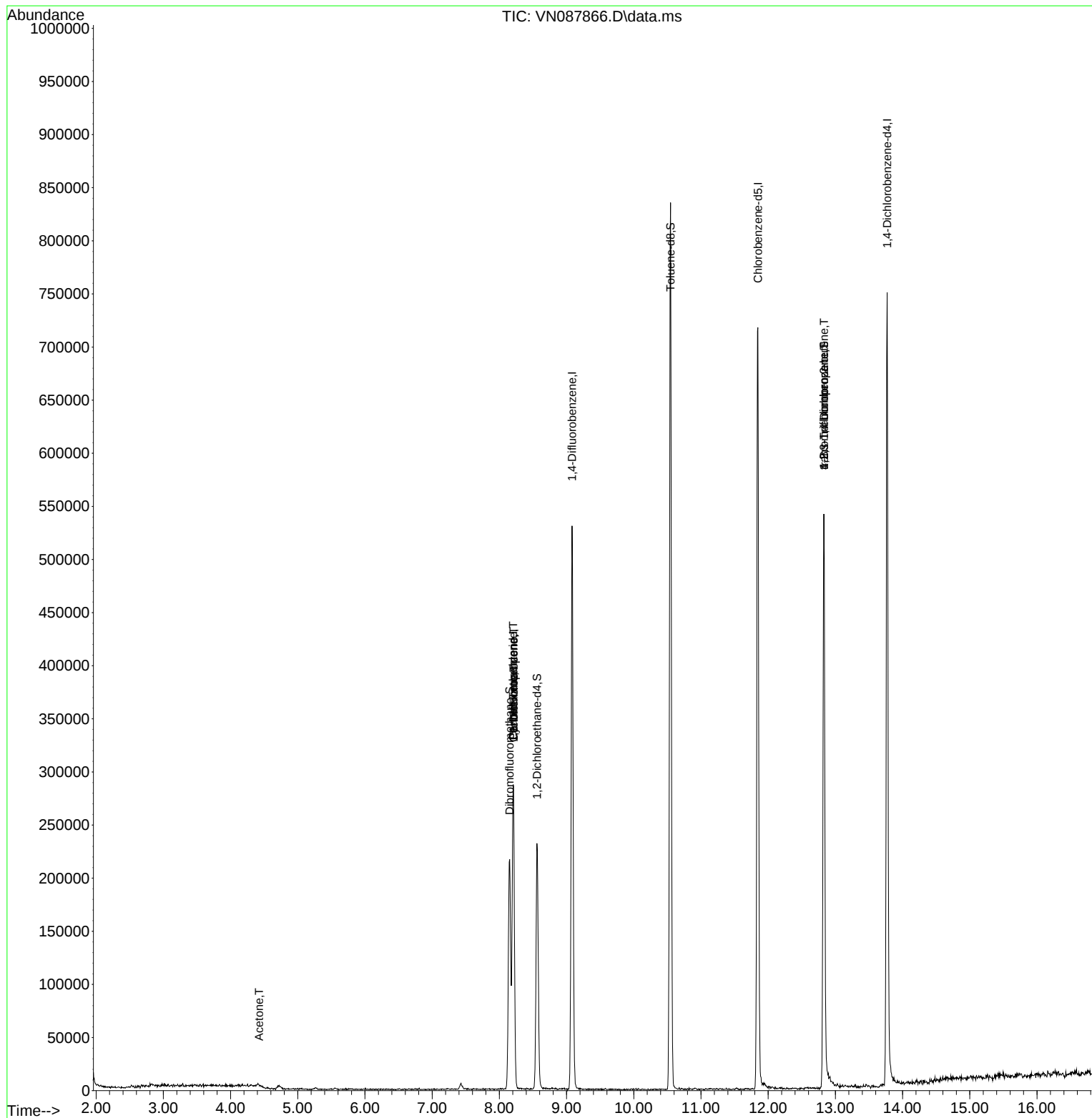
Internal Standards						
1) Pentafluorobenzene	8.206	168	203329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	445964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	423965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	189726	45.542	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.080%		
35) Dibromofluoromethane	8.153	113	157577	48.939	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.880%		
50) Toluene-d8	10.547	98	569874	47.287	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.580%		
62) 4-Bromofluorobenzene	12.829	95	197824	46.158	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.320%		
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	3250	1.433	ug/l #	88
20) Methylene Chloride	5.265	84	864	Below Cal	#	45
31) Cyclohexane	8.212	56	6159	1.175	ug/l #	36
36) 1,1-Dichloropropene	8.212	75	18292	3.703	ug/l #	48
38) Carbon Tetrachloride	8.206	117	22763	4.667	ug/l #	16
76) 1,2,3-Trichloropropane	12.829	75	112554	23.217	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	112554	61.465	ug/l #	1

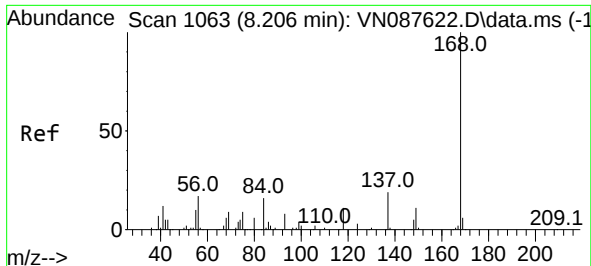
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087866.D
Acq On : 16 Sep 2025 21:05
Operator : JC\MD
Sample : Q3087-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

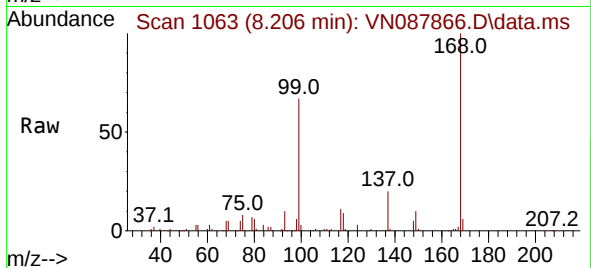
Quant Time: Sep 17 01:31:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



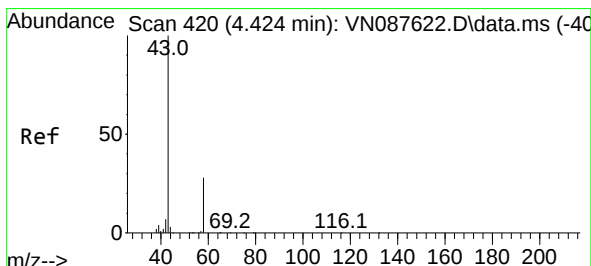
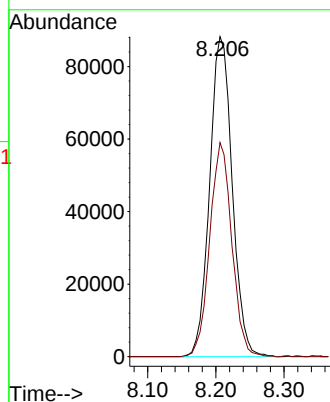
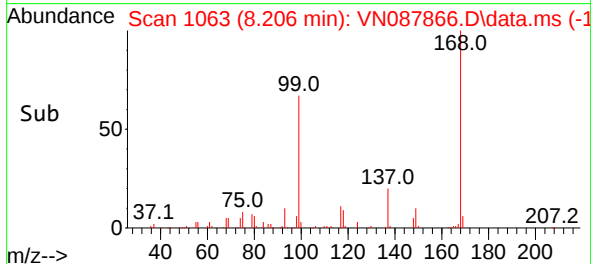


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087866.D
Acq: 16 Sep 2025 21:05

Instrument :
MSVOA_N
ClientSampleId :

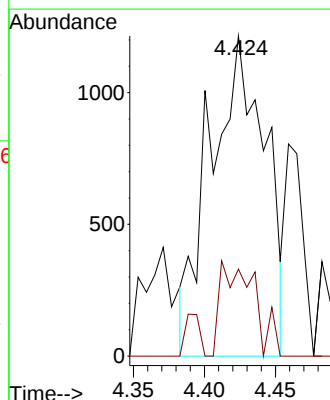
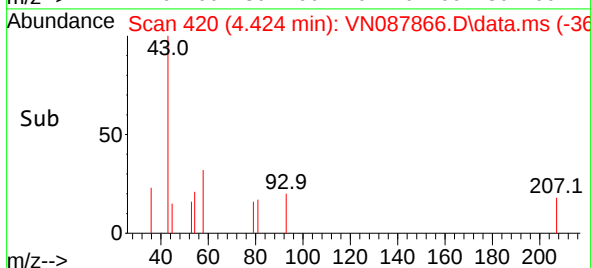
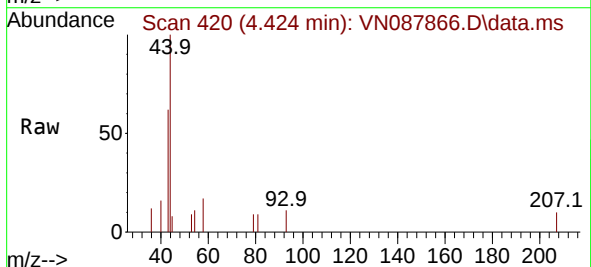


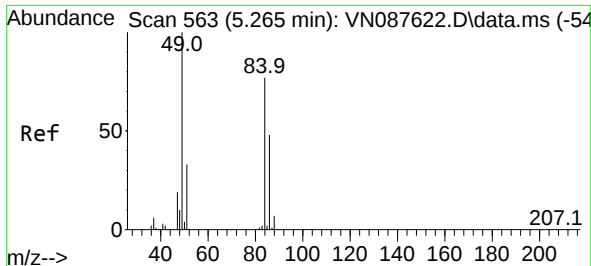
Tgt Ion:168 Resp: 203329
Ion Ratio Lower Upper
168 100
99 66.9 57.2 85.8



#16
Acetone
Concen: 1.433 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087866.D
Acq: 16 Sep 2025 21:05

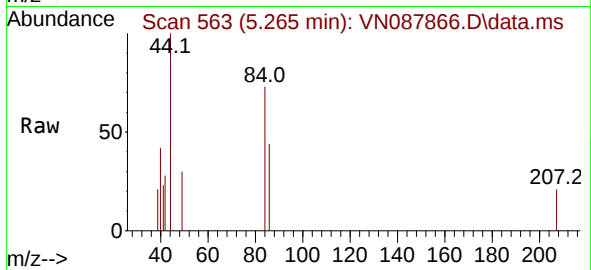
Tgt Ion: 43 Resp: 3250
Ion Ratio Lower Upper
43 100
58 34.7 22.6 33.8#



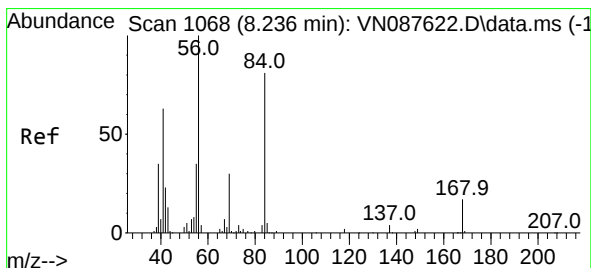
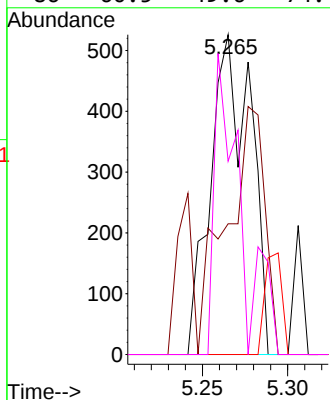
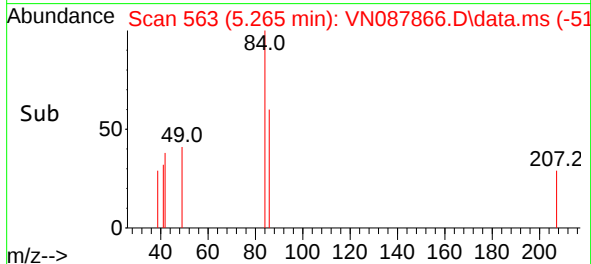


#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN087866.D
Acq: 16 Sep 2025 21:05

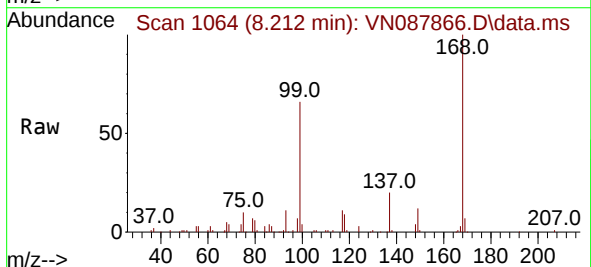
Instrument :
MSVOA_N
ClientSampleId :



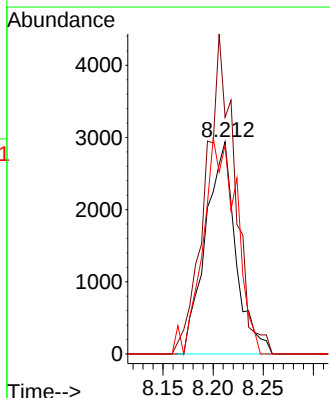
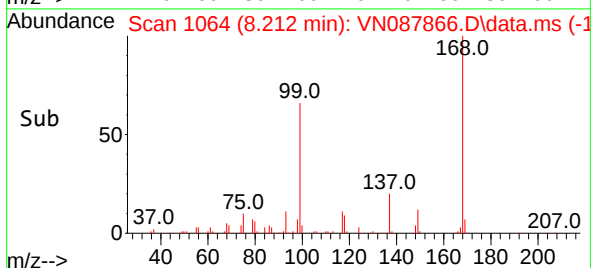
Tgt Ion:	84	Resp:	864
Ion	Ratio	Lower	Upper
84	100		
49	40.9	103.4	155.2#
51	0.0	33.8	50.8#
86	60.5	49.6	74.4

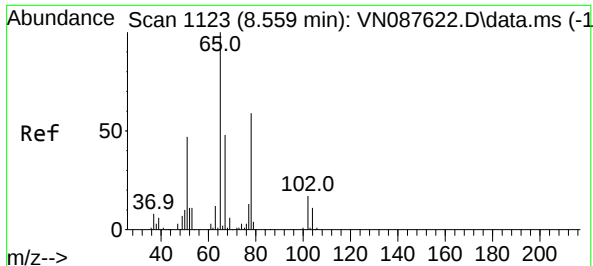


#31
Cyclohexane
Concen: 1.175 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN087866.D
Acq: 16 Sep 2025 21:05



Tgt Ion:	56	Resp:	6159
Ion	Ratio	Lower	Upper
56	100		
69	111.6	23.7	35.5#
84	109.2	64.7	97.1#





#33

1,2-Dichloroethane-d4

Concen: 45.542 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087866.D

Acq: 16 Sep 2025 21:05

Instrument :

MSVOA_N

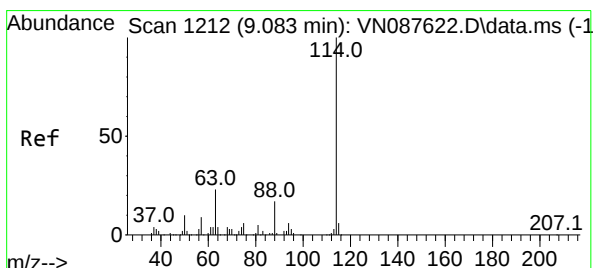
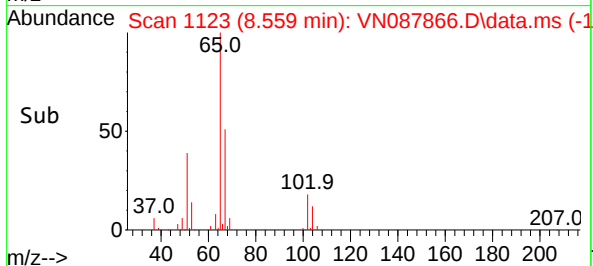
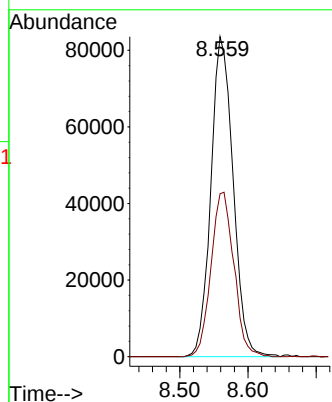
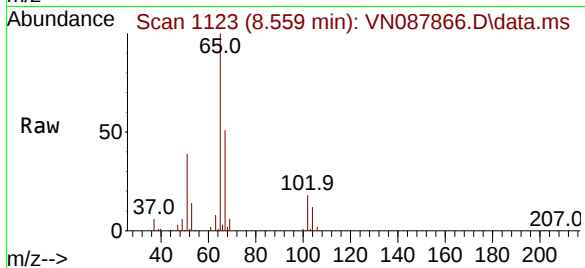
ClientSampleId :

Tgt Ion: 65 Resp: 189726

Ion Ratio Lower Upper

65 100

67 52.8 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: VN087866.D

Acq: 16 Sep 2025 21:05

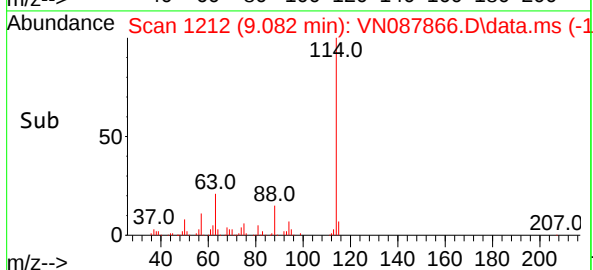
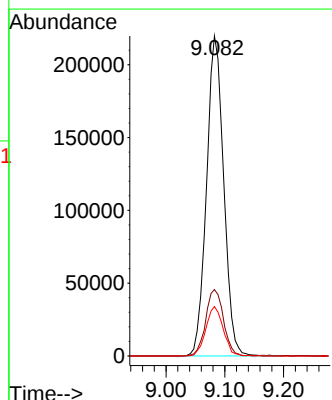
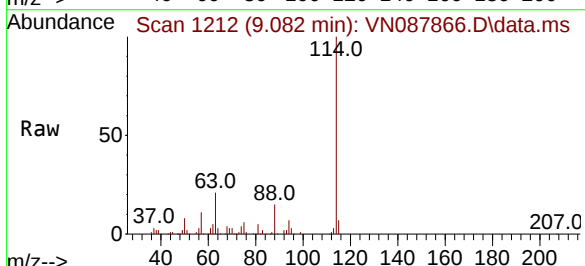
Tgt Ion: 114 Resp: 445964

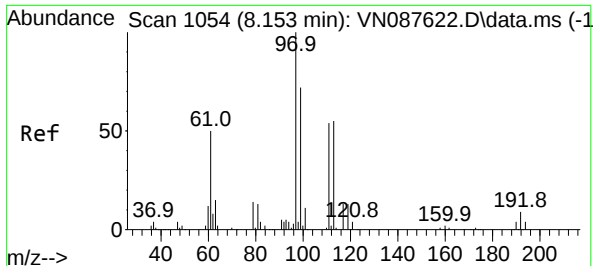
Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.2

88 15.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.939 ug/l

RT: 8.153 min Scan# 1

Delta R.T. -0.000 min

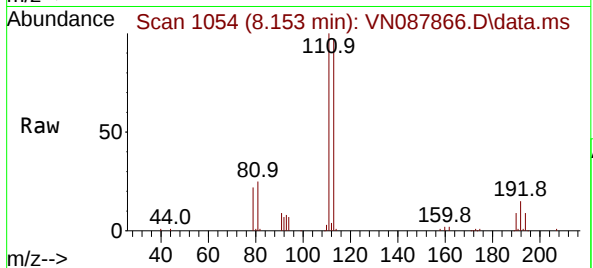
Lab File: VN087866.D

Acq: 16 Sep 2025 21:05

Instrument :

MSVOA_N

ClientSampleId :



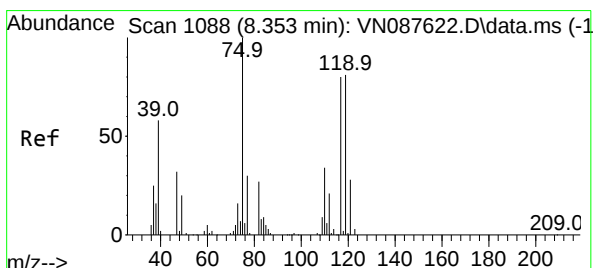
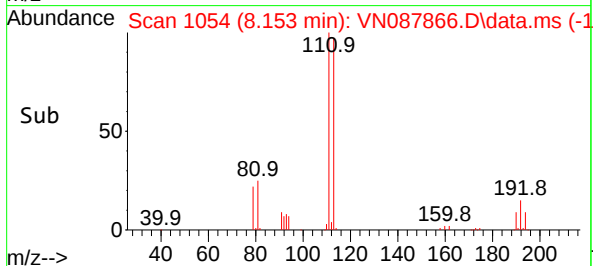
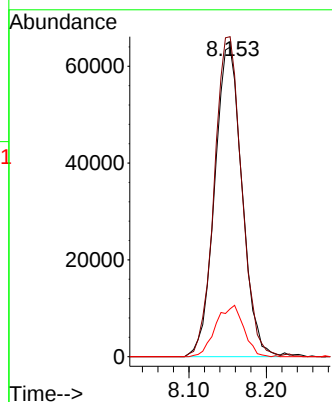
Tgt Ion:113 Resp: 157577

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

192 17.0 12.8 19.2



#36

1,1-Dichloropropene

Concen: 3.703 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087866.D

Acq: 16 Sep 2025 21:05

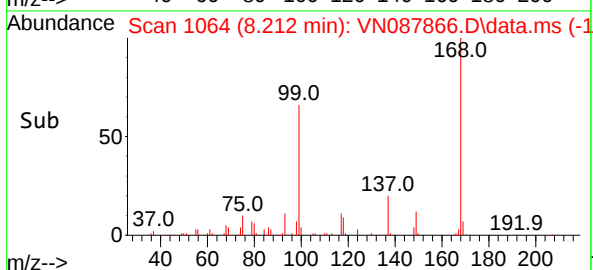
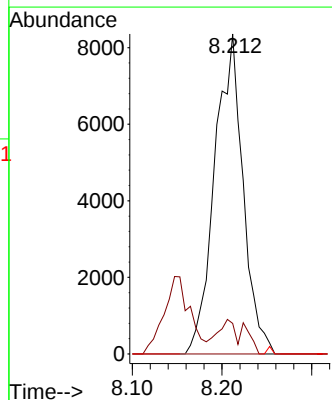
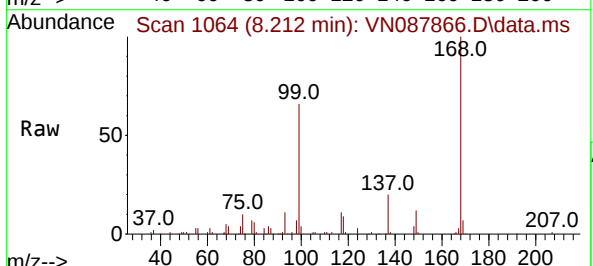
Tgt Ion: 75 Resp: 18292

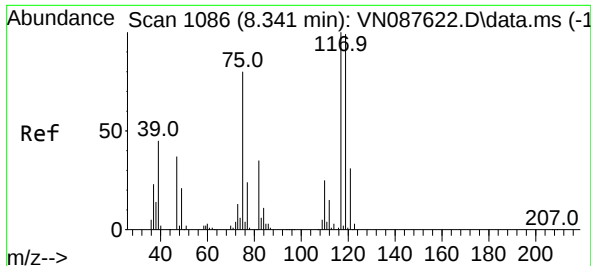
Ion Ratio Lower Upper

75 100

110 4.5 15.9 47.6#

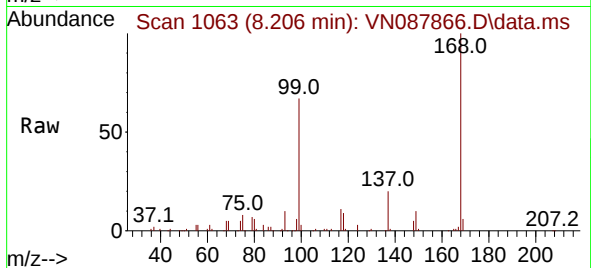
77 0.0 24.4 36.6#



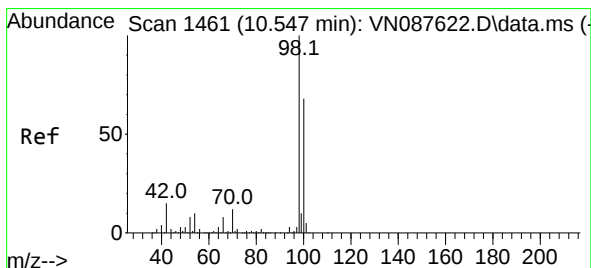
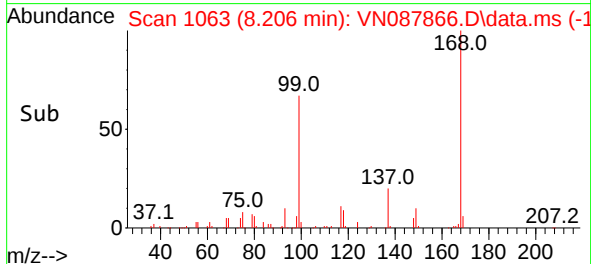
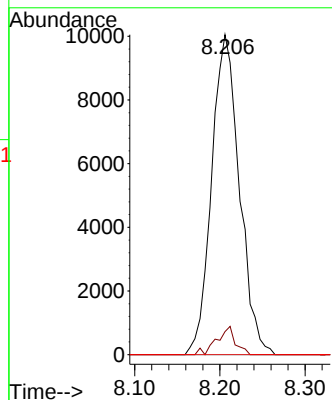


#38
Carbon Tetrachloride
Concen: 4.667 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087866.D
Acq: 16 Sep 2025 21:05

Instrument :
MSVOA_N
ClientSampleId :

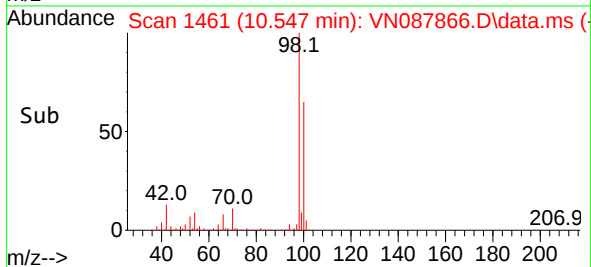
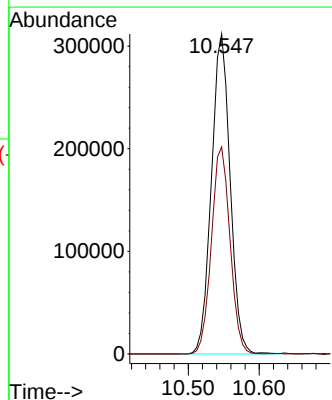
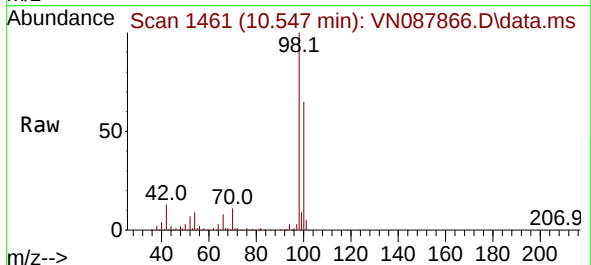


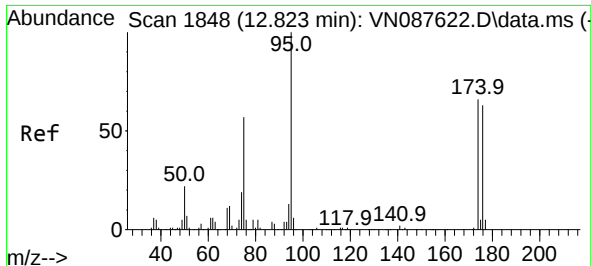
Tgt Ion:117 Resp: 22763
Ion Ratio Lower Upper
117 100
119 7.2 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 47.287 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087866.D
Acq: 16 Sep 2025 21:05

Tgt Ion: 98 Resp: 569874
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2

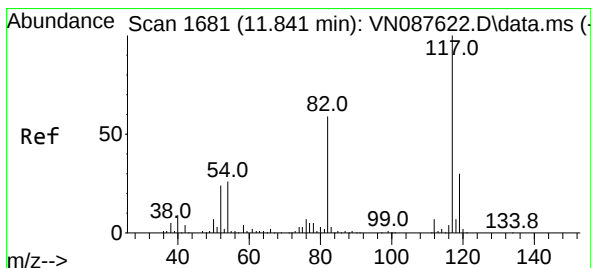
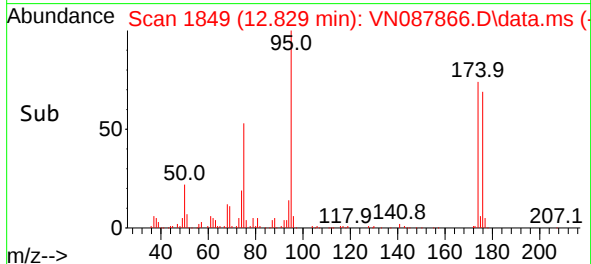
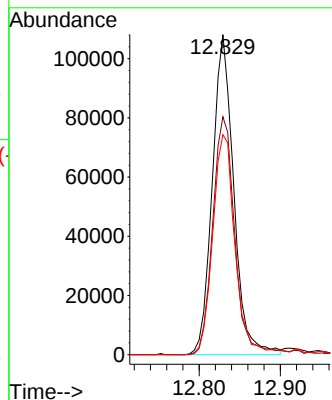
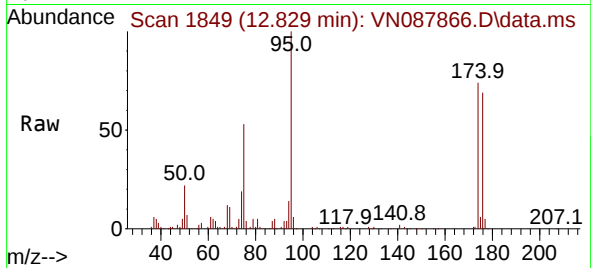




#62
4-Bromofluorobenzene
Concen: 46.158 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087866.D
Acq: 16 Sep 2025 21:05

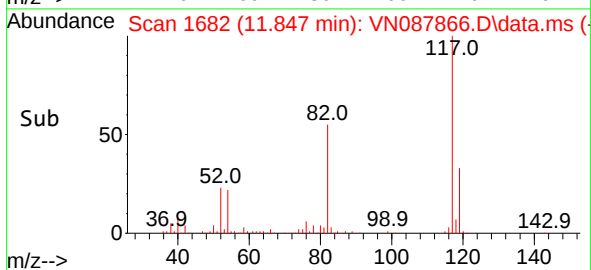
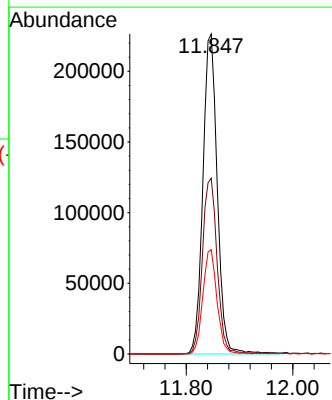
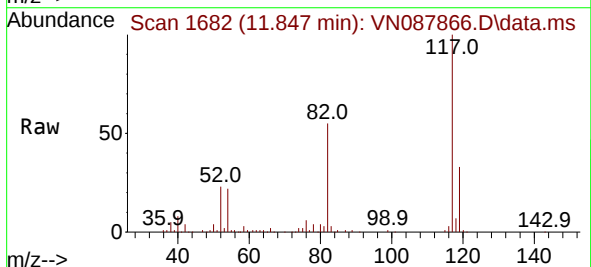
Instrument :
MSVOA_N
ClientSampleId :

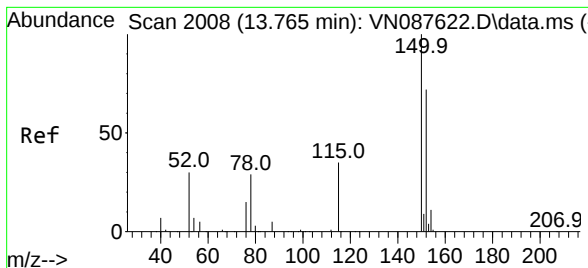
Tgt Ion: 95 Resp: 197824
Ion Ratio Lower Upper
95 100
174 76.8 0.0 138.4
176 71.9 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087866.D
Acq: 16 Sep 2025 21:05

Tgt Ion: 117 Resp: 423965
Ion Ratio Lower Upper
117 100
82 54.9 47.4 71.2
119 32.6 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: VN087866.D

Acq: 16 Sep 2025 21:05

Instrument :

MSVOA_N

ClientSampleId :

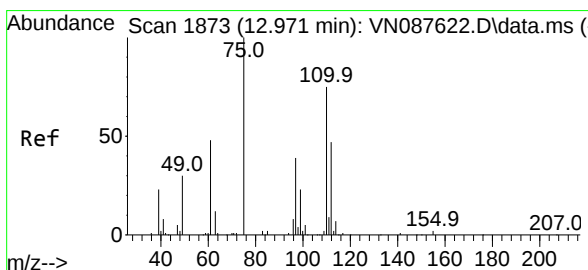
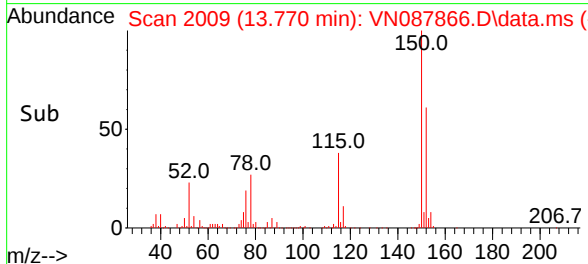
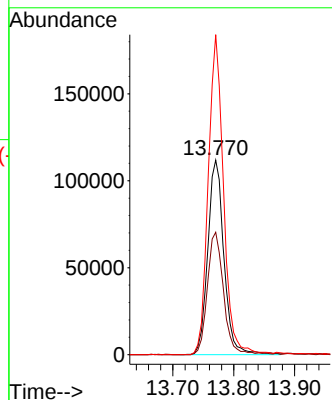
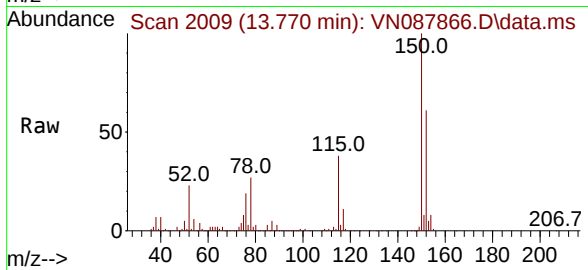
Tgt Ion:152 Resp: 206726

Ion Ratio Lower Upper

152 100

115 63.0 32.3 96.8

150 155.3 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 23.217 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087866.D

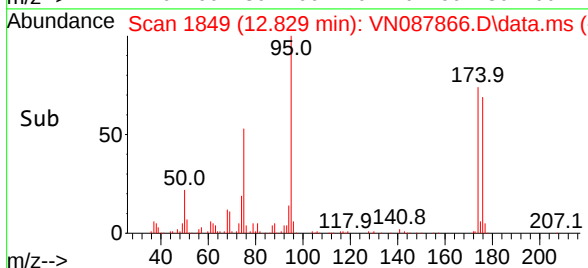
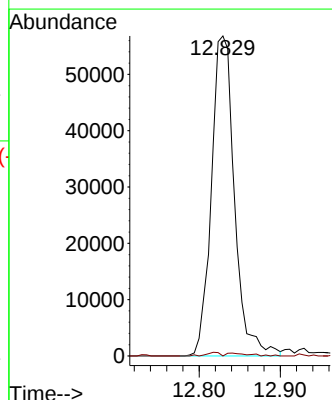
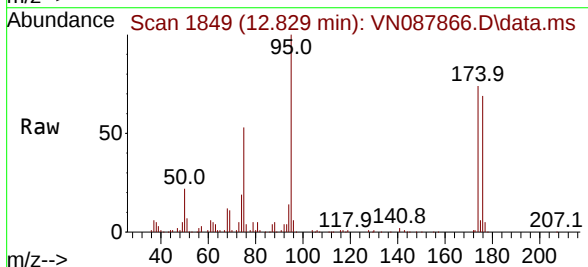
Acq: 16 Sep 2025 21:05

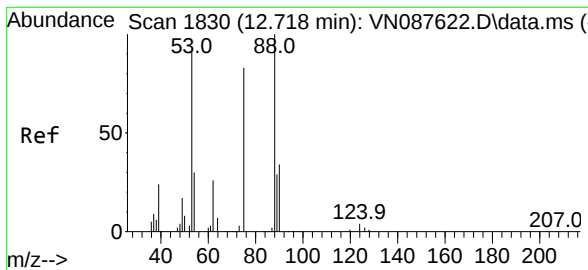
Tgt Ion: 75 Resp: 112554

Ion Ratio Lower Upper

75 100

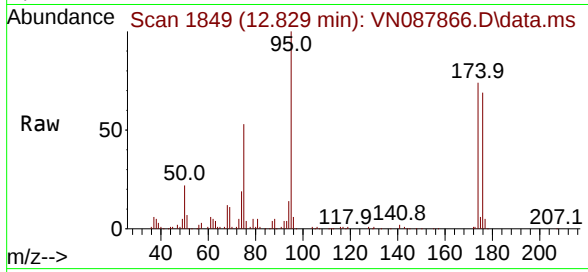
77 0.9 89.1 267.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 61.465 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087866.D
Acq: 16 Sep 2025 21:05

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 112554
Ion Ratio Lower Upper
75 100
53 0.2 101.8 152.6#
89 0.1 35.6 53.4#

