

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087783.D
 Acq On : 10 Sep 2025 16:08
 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 11 02:06:18 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)

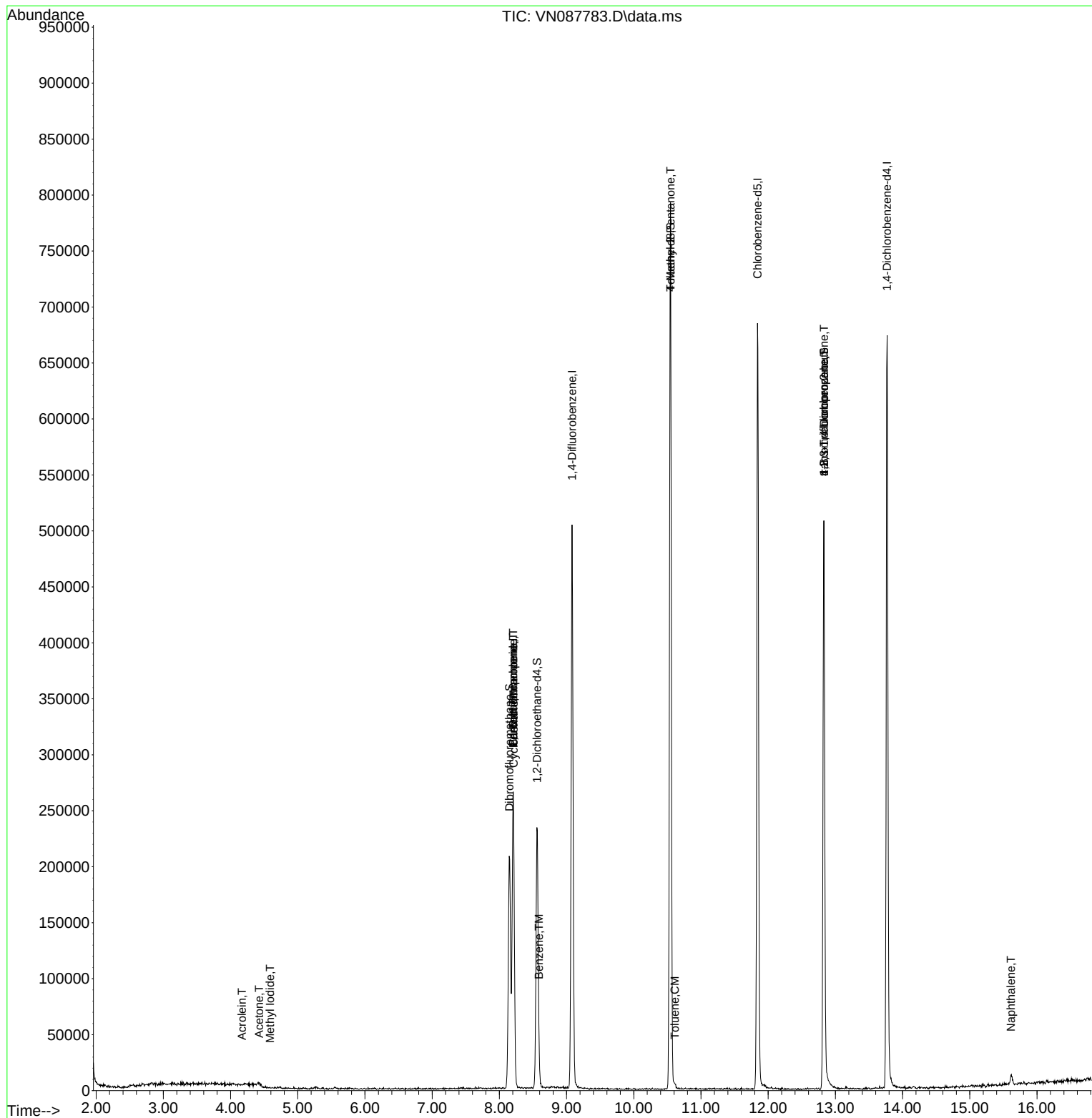
Internal Standards						
1) Pentafluorobenzene	8.206	168	180555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	404973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	386124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	180446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	192764	52.107	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.220%			
35) Dibromofluoromethane	8.147	113	147175	50.335	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.680%			
50) Toluene-d8	10.547	98	522323	47.729	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.460%			
62) 4-Bromofluorobenzene	12.829	95	176092	45.246	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.500%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.589	142	73	6.844	ug/l #	38
13) Acrolein	4.171	56	266	0.337	ug/l #	70
16) Acetone	4.424	43	2485	1.234	ug/l #	82
20) Methylene Chloride	5.271	84	384	Below Cal		92
31) Cyclohexane	8.212	56	4933	1.060	ug/l #	31
36) 1,1-Dichloropropene	8.206	75	16712	3.726	ug/l #	48
38) Carbon Tetrachloride	8.206	117	20692	4.672	ug/l #	14
40) Benzene	8.588	78	4550	0.331	ug/l	92
51) 4-Methyl-2-Pentanone	10.547	43	2925	0.507	ug/l #	1
52) Toluene	10.612	92	1796	0.211	ug/l	97
76) 1,2,3-Trichloropropane	12.829	75	101478	23.981	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	101478	63.488	ug/l #	1
95) Naphthalene	15.611	128	9553	0.699	ug/l #	87

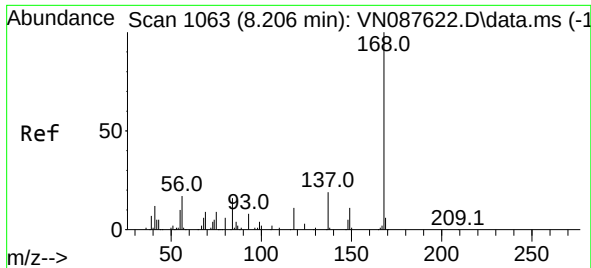
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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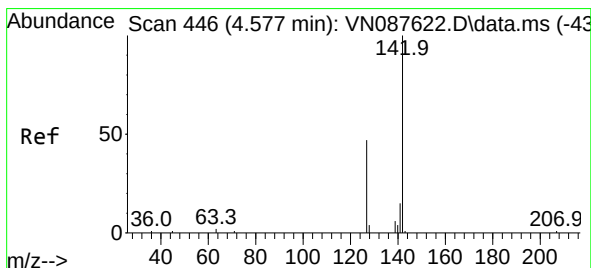
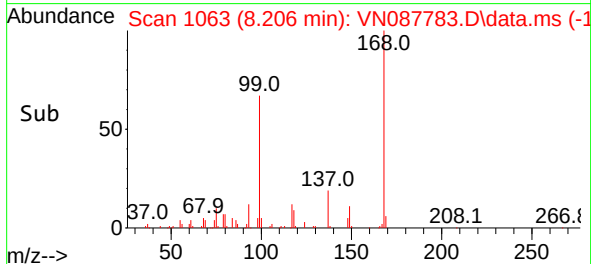
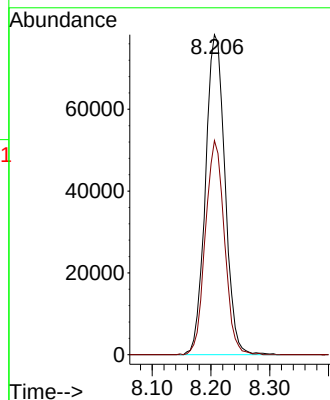
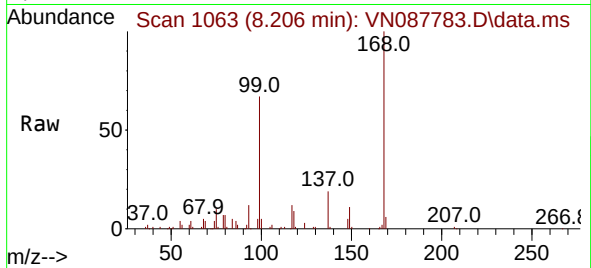




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087783.D
Acq: 10 Sep 2025 16:08

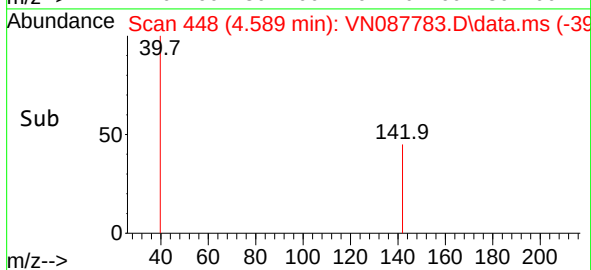
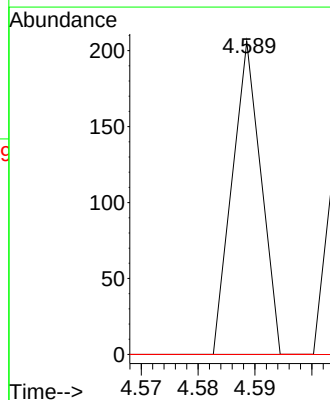
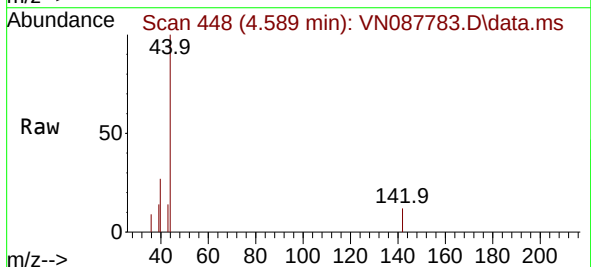
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

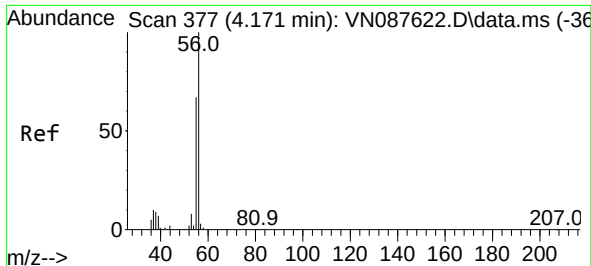
Tgt Ion:168 Resp: 180555
Ion Ratio Lower Upper
168 100
99 66.9 57.2 85.8



#10
Methyl Iodide
Concen: 6.844 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.012 min
Lab File: VN087783.D
Acq: 10 Sep 2025 16:08

Tgt Ion:142 Resp: 73
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#





#13

Acrolein

Concen: 0.337 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN087783.D

Acq: 10 Sep 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

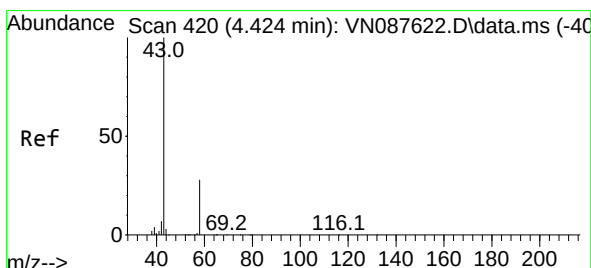
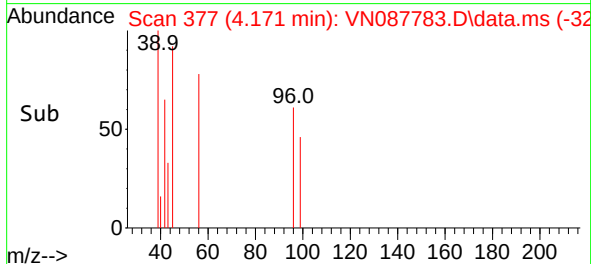
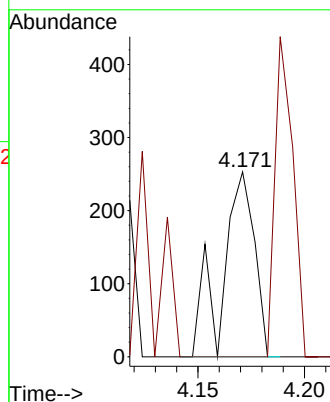
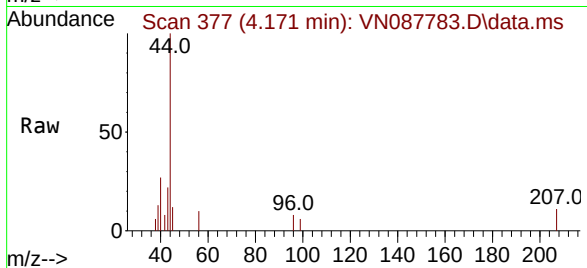
VIBLK

Tgt Ion: 56 Resp: 266

Ion Ratio Lower Upper

56 100

55 96.2 57.3 85.9#



#16

Acetone

Concen: 1.234 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.000 min

Lab File: VN087783.D

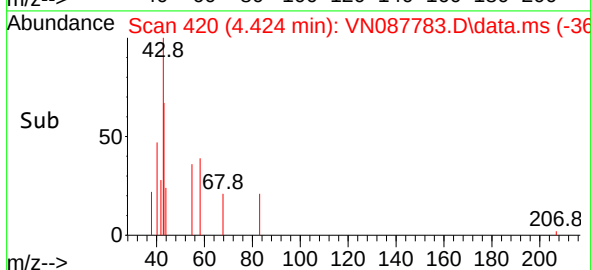
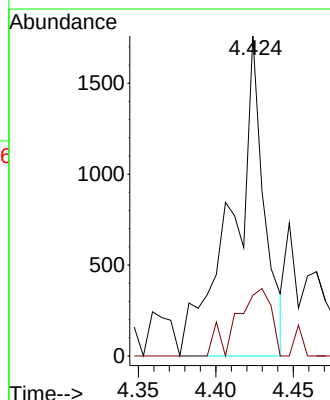
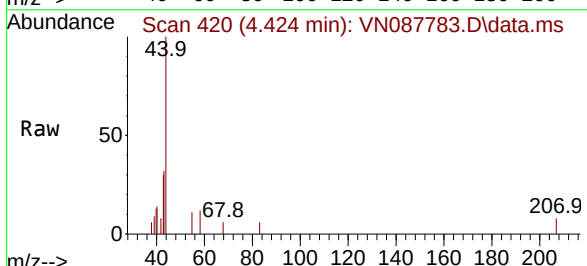
Acq: 10 Sep 2025 16:08

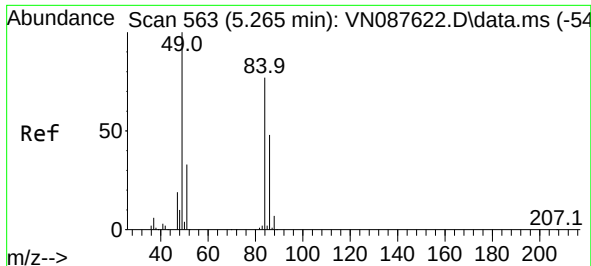
Tgt Ion: 43 Resp: 2485

Ion Ratio Lower Upper

43 100

58 18.9 22.6 33.8#



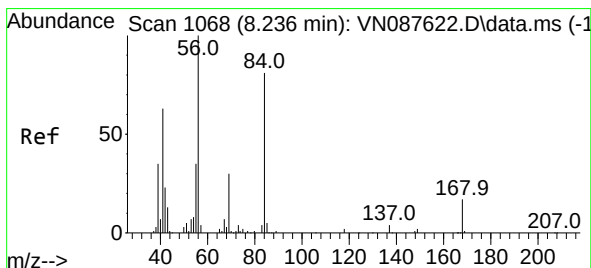
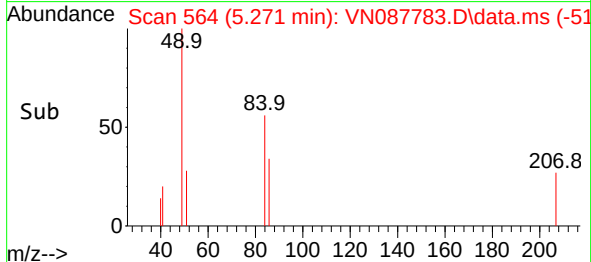
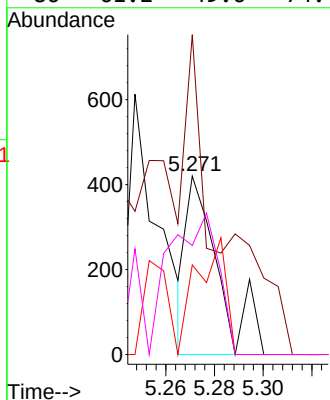
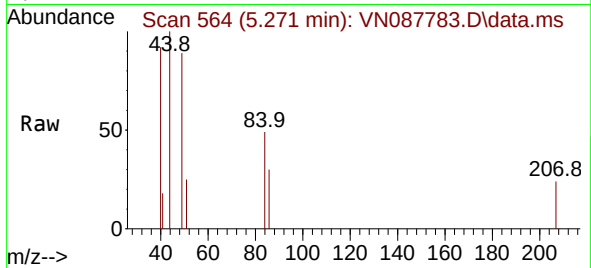


#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087783.D
Acq: 10 Sep 2025 16:08

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 384

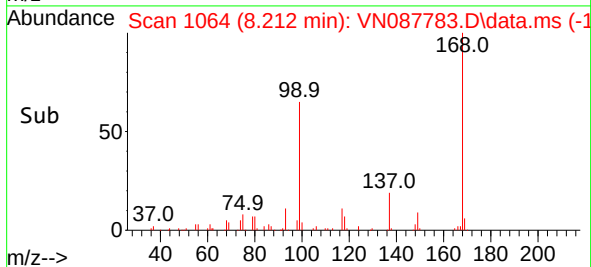
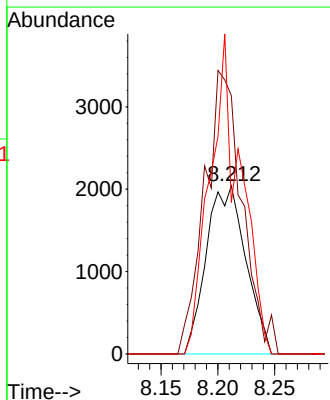
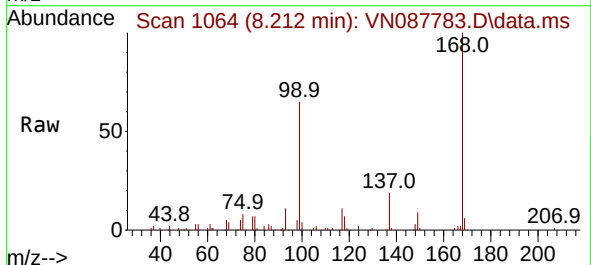
Ion	Ratio	Lower	Upper
84	100		
49	141.2	103.4	155.2
51	50.2	33.8	50.8
86	61.2	49.6	74.4

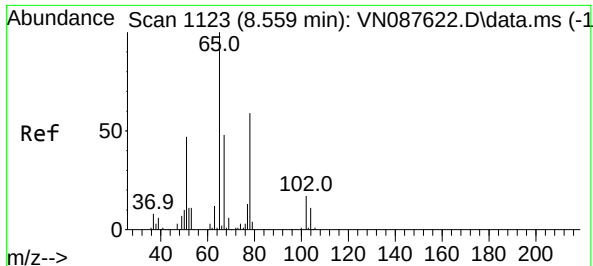


#31
Cyclohexane
Concen: 1.060 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN087783.D
Acq: 10 Sep 2025 16:08

Tgt Ion: 56 Resp: 4933

Ion	Ratio	Lower	Upper
56	100		
69	153.7	23.7	35.5#
84	90.1	64.7	97.1





#33

1,2-Dichloroethane-d4

Concen: 52.107 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087783.D

Acq: 10 Sep 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

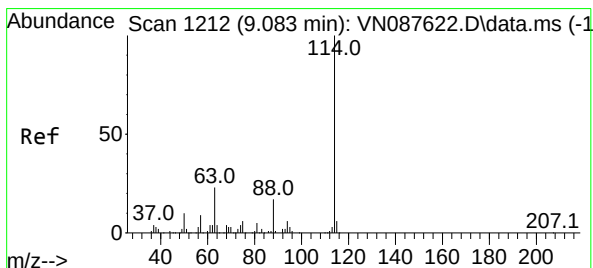
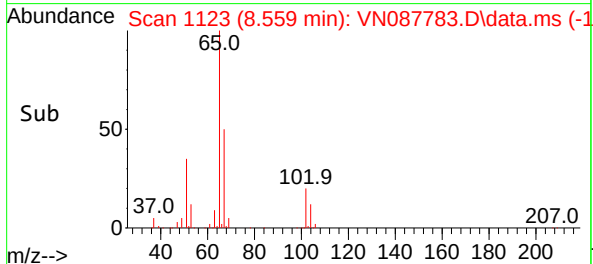
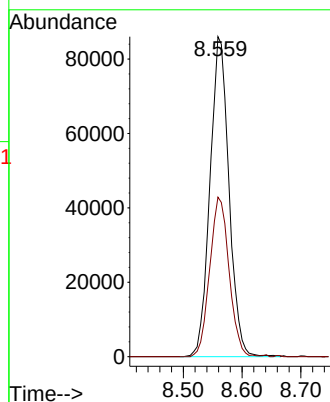
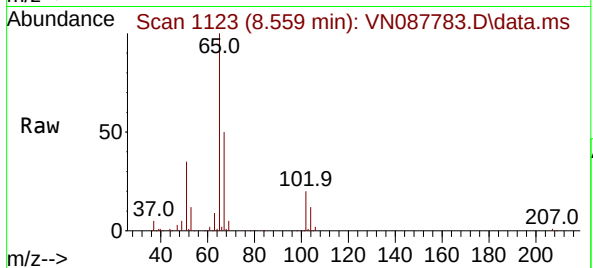
VIBLK

Tgt Ion: 65 Resp: 192764

Ion Ratio Lower Upper

65 100

67 50.9 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: VN087783.D

Acq: 10 Sep 2025 16:08

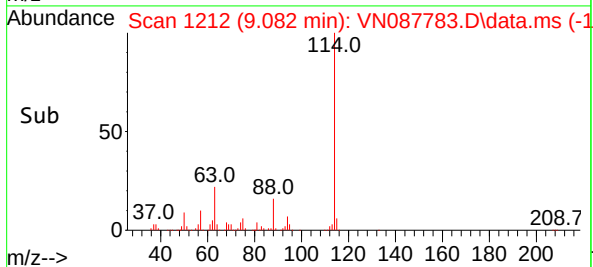
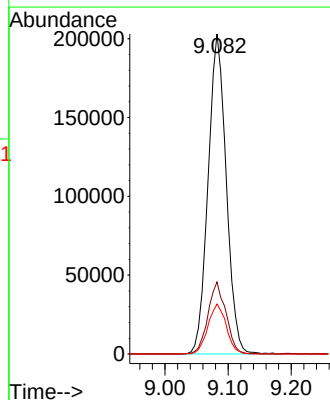
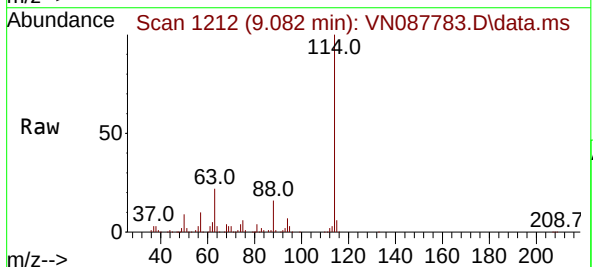
Tgt Ion: 114 Resp: 404973

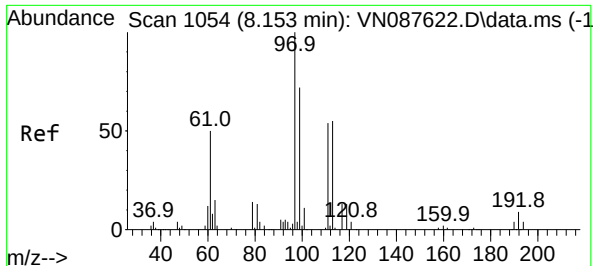
Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.2

88 15.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.335 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087783.D

Acq: 10 Sep 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

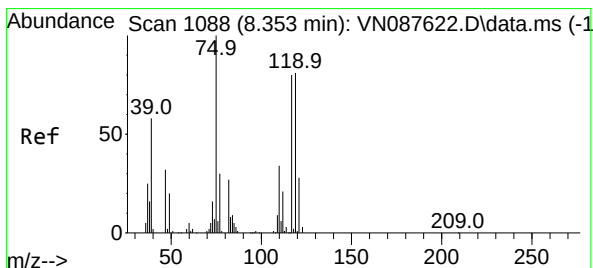
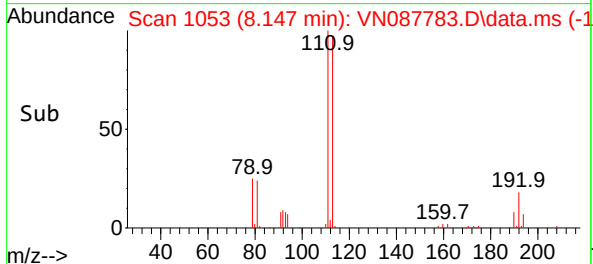
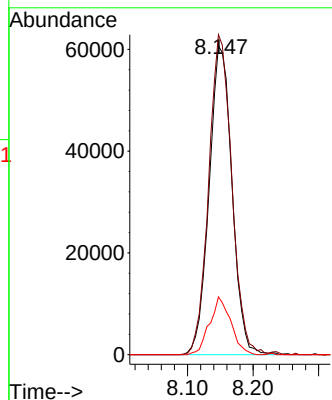
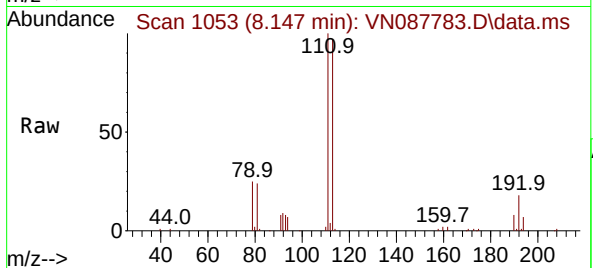
Tgt Ion:113 Resp: 147175

Ion Ratio Lower Upper

113 100

111 104.2 82.8 124.2

192 17.4 12.8 19.2



#36

1,1-Dichloropropene

Concen: 3.726 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087783.D

Acq: 10 Sep 2025 16:08

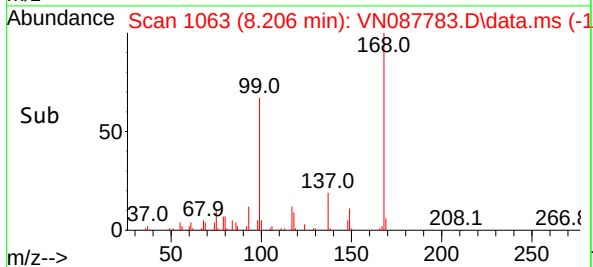
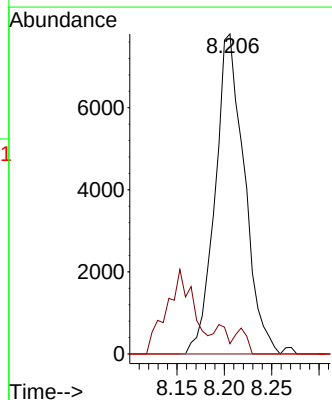
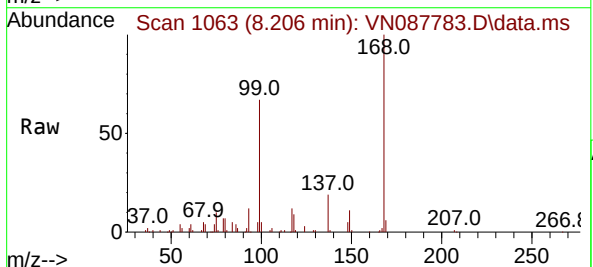
Tgt Ion: 75 Resp: 16712

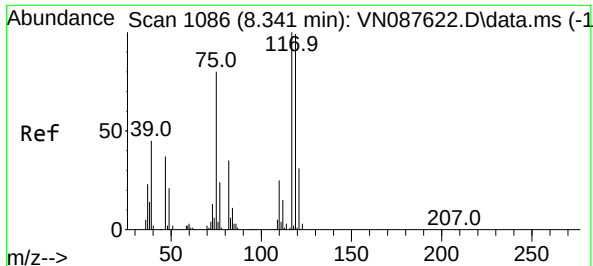
Ion Ratio Lower Upper

75 100

110 4.5 15.9 47.6#

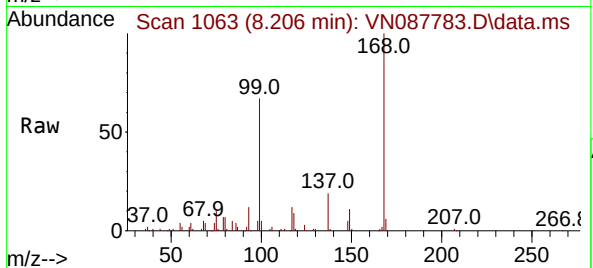
77 0.0 24.4 36.6#



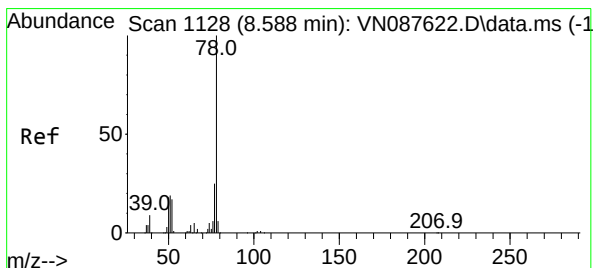
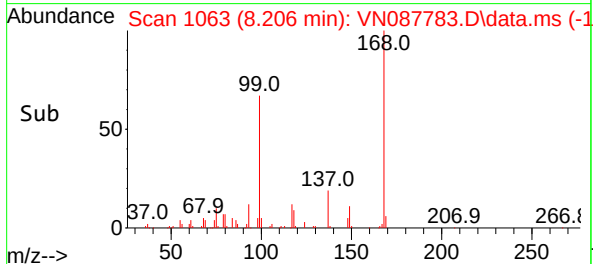
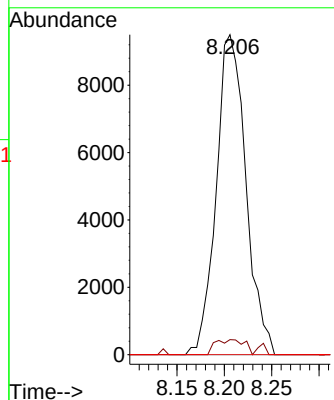


#38
Carbon Tetrachloride
Concen: 4.672 ug/l
RT: 8.206 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN087783.D
Acq: 10 Sep 2025 16:08

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

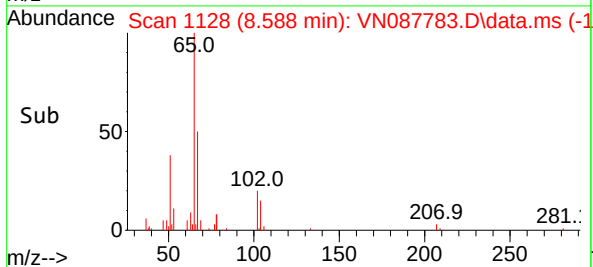
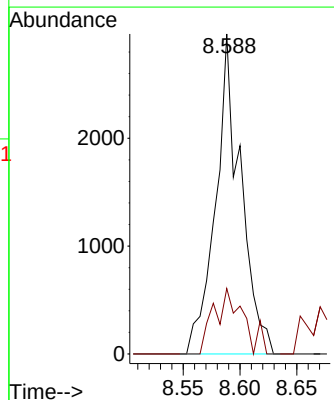
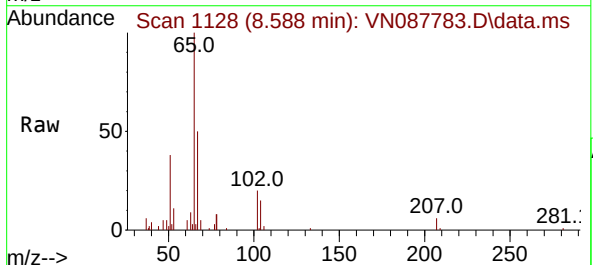


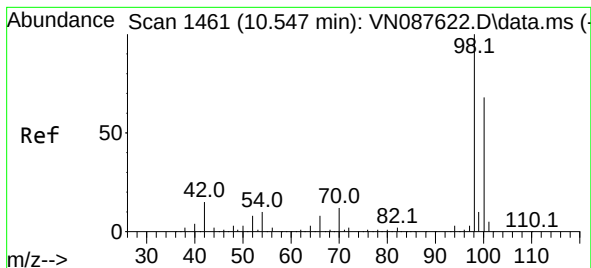
Tgt Ion:117 Resp: 20692
Ion Ratio Lower Upper
117 100
119 4.7 79.0 118.6#
121 0.0 25.0 37.6#



#40
Benzene
Concen: 0.331 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087783.D
Acq: 10 Sep 2025 16:08

Tgt Ion: 78 Resp: 4550
Ion Ratio Lower Upper
78 100
77 20.5 19.7 29.5





#50

Toluene-d8

Concen: 47.729 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN087783.D

Acq: 10 Sep 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

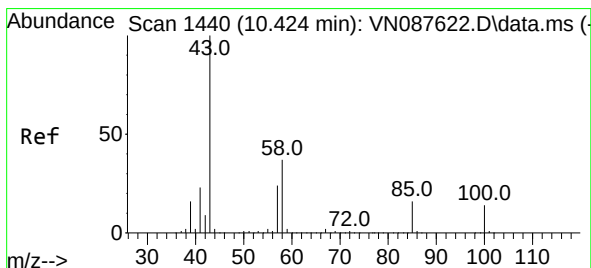
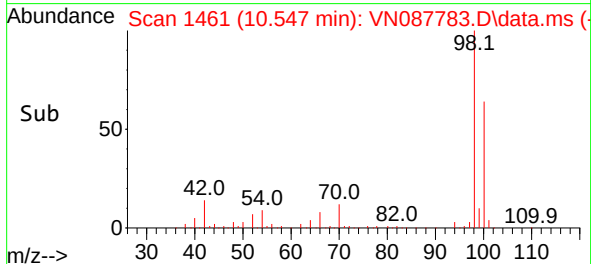
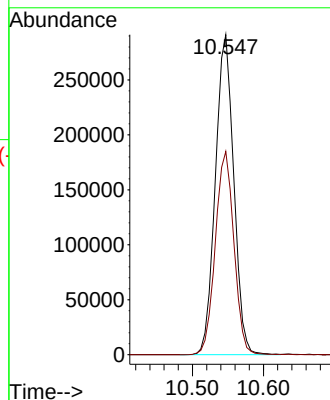
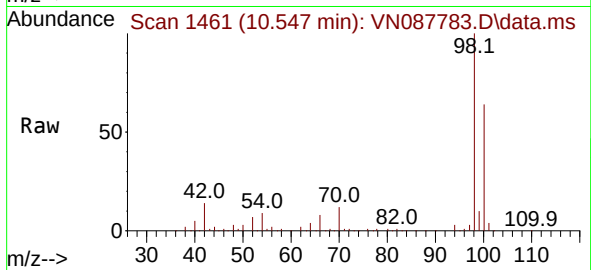
VIBLK

Tgt Ion: 98 Resp: 522323

Ion Ratio Lower Upper

98 100

100 64.2 52.8 79.2



#51

4-Methyl-2-Pentanone

Concen: 0.507 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.123 min

Lab File: VN087783.D

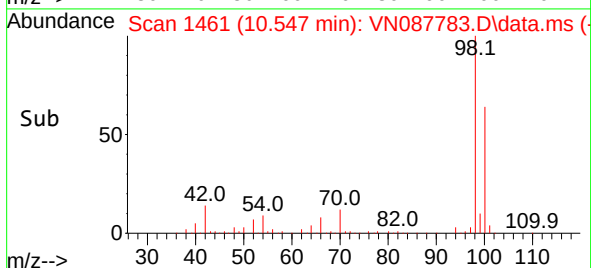
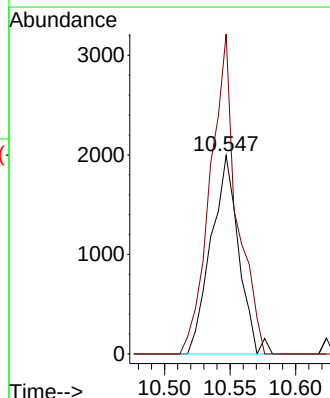
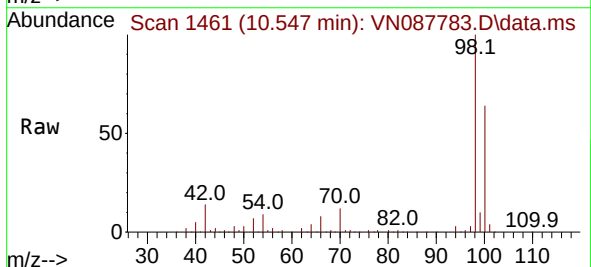
Acq: 10 Sep 2025 16:08

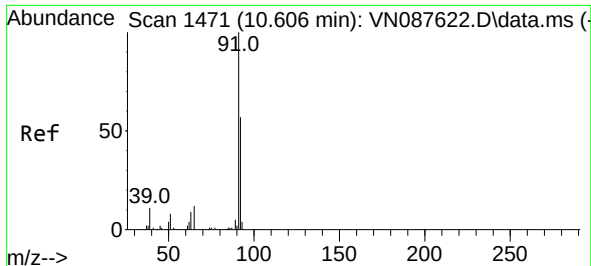
Tgt Ion: 43 Resp: 2925

Ion Ratio Lower Upper

43 100

58 155.7 29.6 44.4#

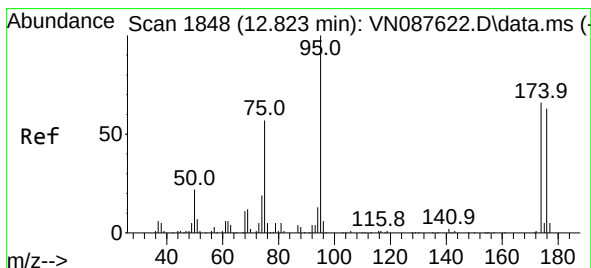
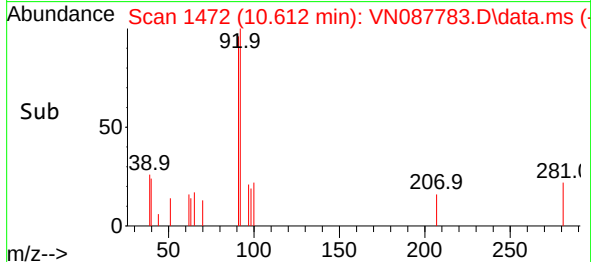
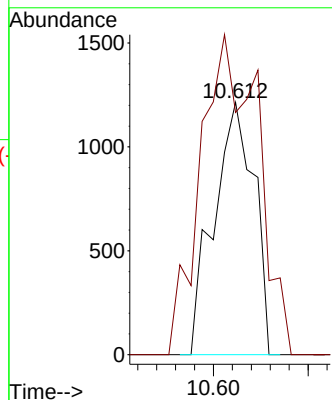
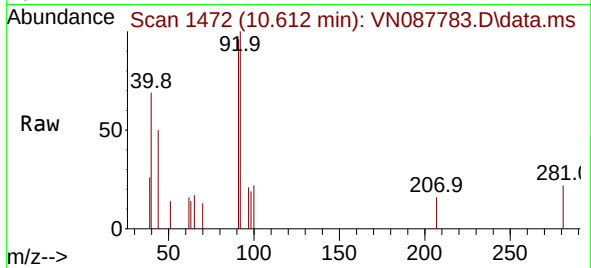




#52
Toluene
Concen: 0.211 ug/l
RT: 10.612 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VN087783.D
Acq: 10 Sep 2025 16:08

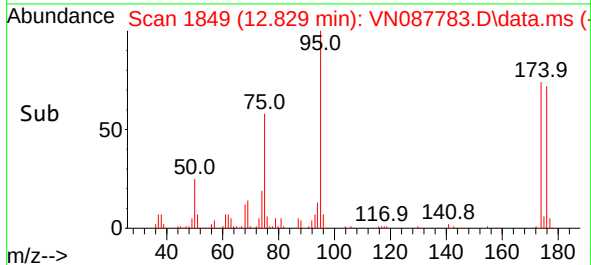
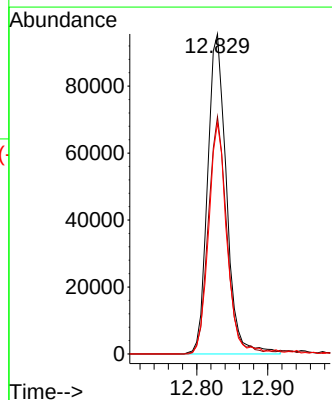
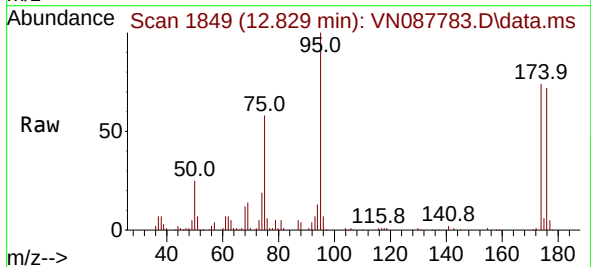
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

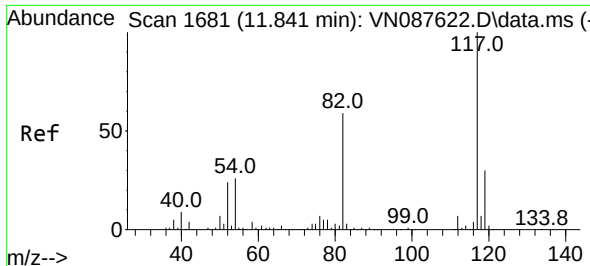
Tgt Ion: 92 Resp: 1796
Ion Ratio Lower Upper
92 100
91 179.5 140.4 210.6



#62
4-Bromofluorobenzene
Concen: 45.246 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087783.D
Acq: 10 Sep 2025 16:08

Tgt Ion: 95 Resp: 176092
Ion Ratio Lower Upper
95 100
174 72.8 0.0 138.4
176 69.9 0.0 132.6

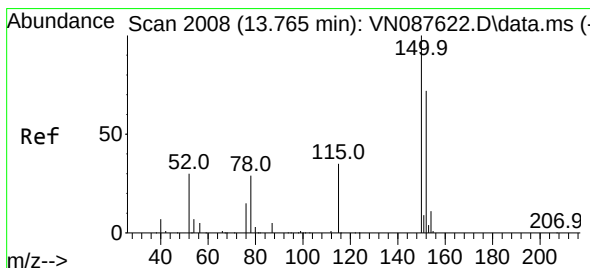
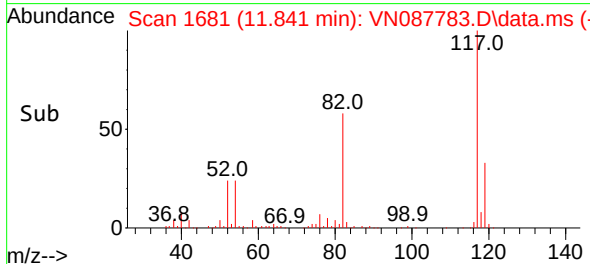
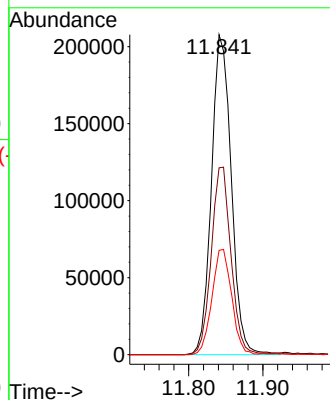
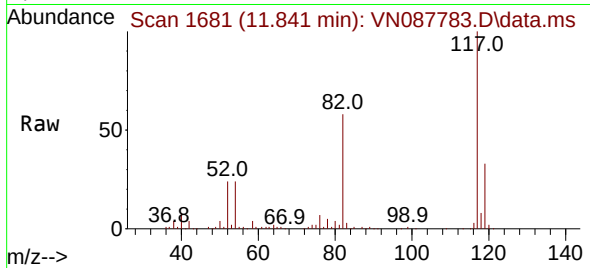




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087783.D
Acq: 10 Sep 2025 16:08

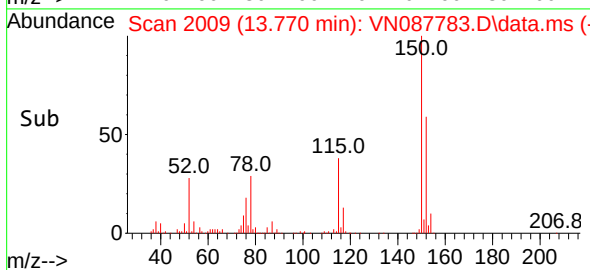
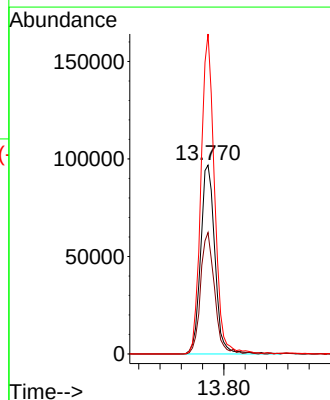
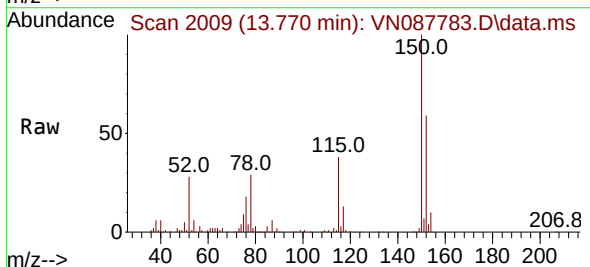
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

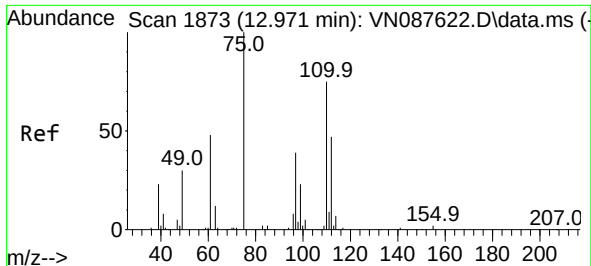
Tgt Ion:117 Resp: 386124
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 32.6 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087783.D
Acq: 10 Sep 2025 16:08

Tgt Ion:152 Resp: 180446
Ion Ratio Lower Upper
152 100
115 62.8 32.3 96.8
150 160.6 0.0 351.0

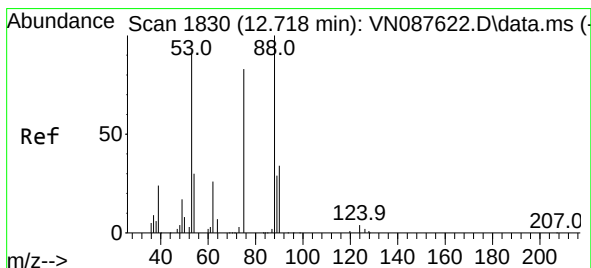
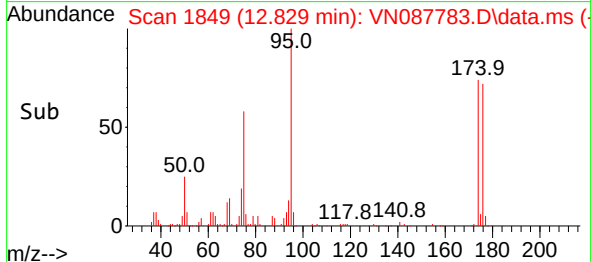
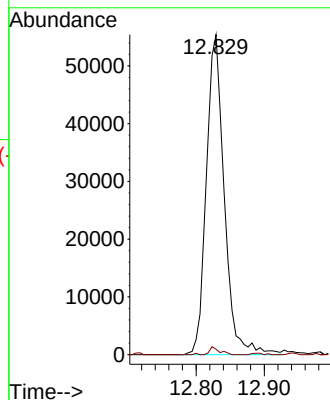
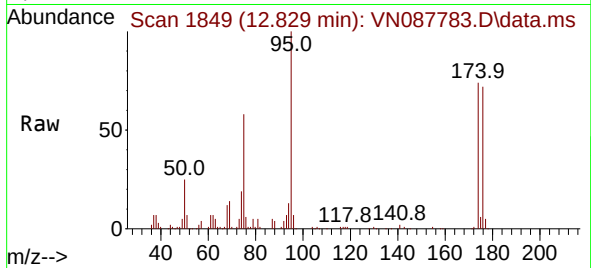




#76
1,2,3-Trichloropropane
Concen: 23.981 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087783.D
Acq: 10 Sep 2025 16:08

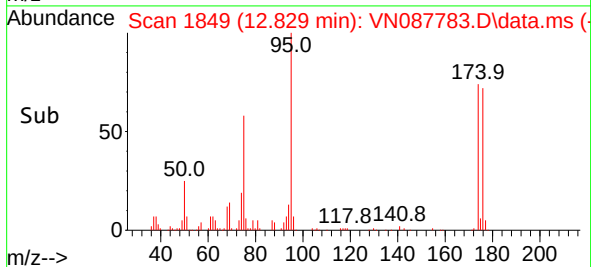
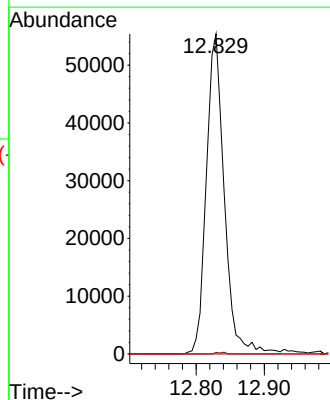
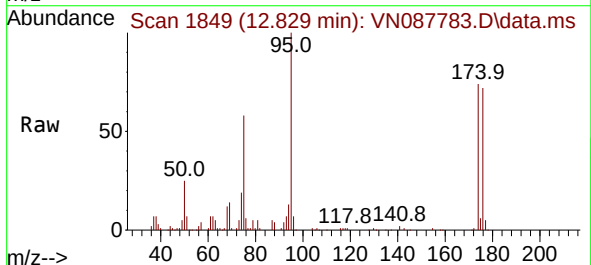
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

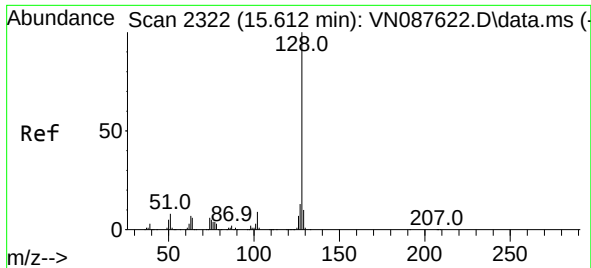
Tgt Ion: 75 Resp: 101478
Ion Ratio Lower Upper
75 100
77 1.3 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.488 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087783.D
Acq: 10 Sep 2025 16:08

Tgt Ion: 75 Resp: 101478
Ion Ratio Lower Upper
75 100
53 0.2 101.8 152.6#
89 0.0 35.6 53.4#





#95

Naphthalene

Concen: 0.699 ug/l

RT: 15.611 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN087783.D

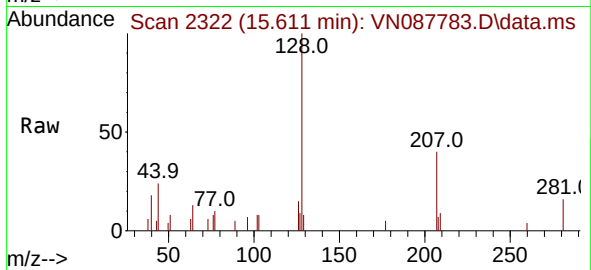
Acq: 10 Sep 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

VIBLK



Tgt Ion:	128	Resp:	9553
Ion	Ratio	Lower	Upper
128	100		
127	5.8	10.6	15.8#
129	8.6	8.6	12.8

