

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
 Data File : VN087639.D
 Acq On : 22 Aug 2025 14:22
 Operator : JC\MD
 Sample : Q2936-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-02-082125

Quant Time: Aug 25 01:20:50 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)

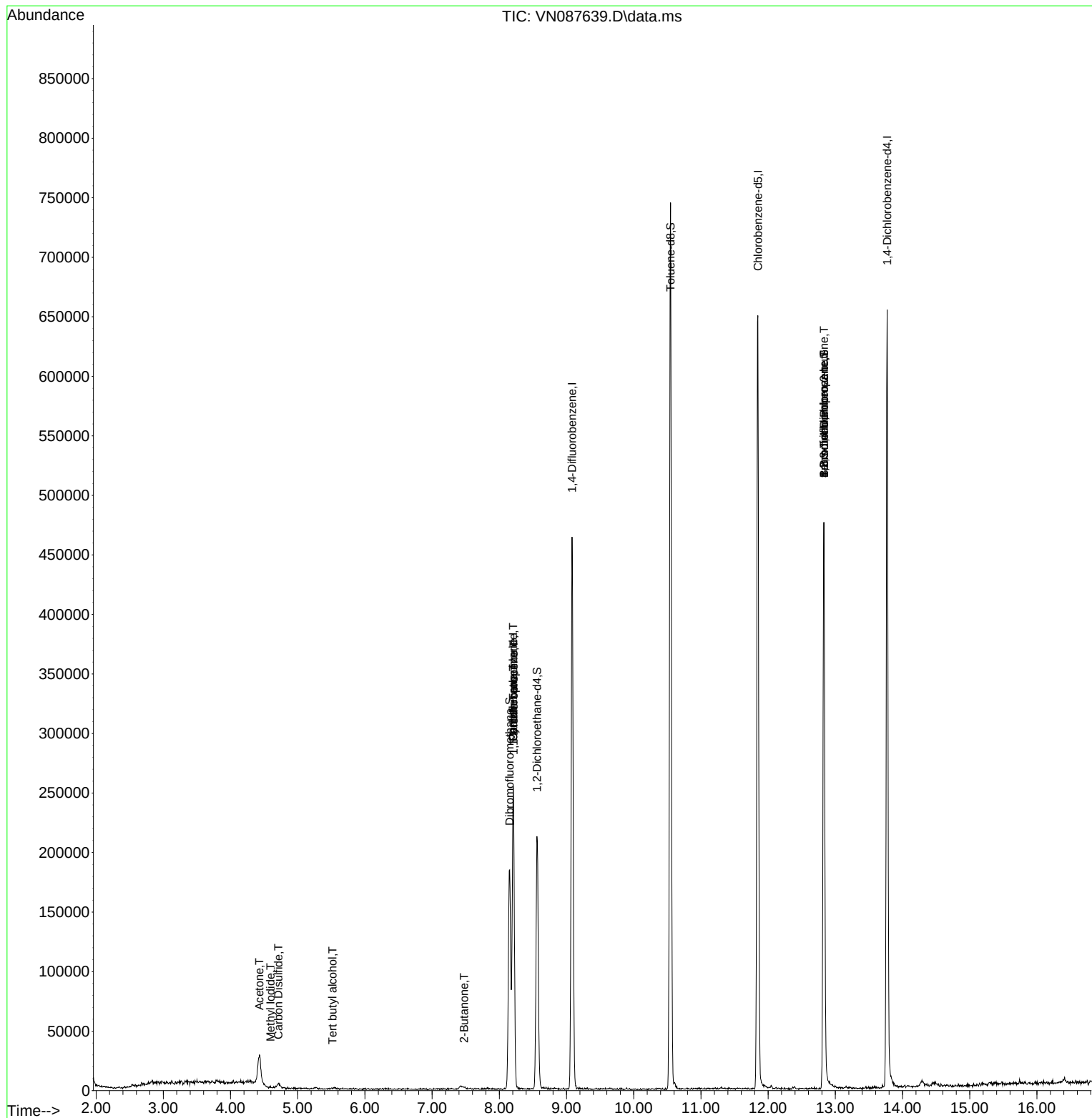
Internal Standards						
1) Pentafluorobenzene	8.206	168	164863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	376501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	351165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	166374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	178808	52.935	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.880%
35) Dibromofluoromethane	8.153	113	132417	48.713	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.420%
50) Toluene-d8	10.547	98	488826	48.046	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.100%
62) 4-Bromofluorobenzene	12.829	95	171278	47.337	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.680%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.595	142	148	6.884	ug/l #	38
11) Tert butyl alcohol	5.518	59	457	0.779	ug/l #	71
16) Acetone	4.430	43	46542	25.311	ug/l	99
17) Carbon Disulfide	4.712	76	2739	0.419	ug/l #	74
20) Methylene Chloride	5.271	84	355	Below Cal	#	7
25) 2-Butanone	7.477	43	3210	1.327	ug/l #	86
31) Cyclohexane	8.206	56	5746	1.352	ug/l #	27
36) 1,1-Dichloropropene	8.212	75	16645	3.991	ug/l #	52
38) Carbon Tetrachloride	8.206	117	19586	4.757	ug/l #	15
71) Bromoform	12.829	173	958	0.431	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	98054	25.132	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	98054	66.534	ug/l #	1

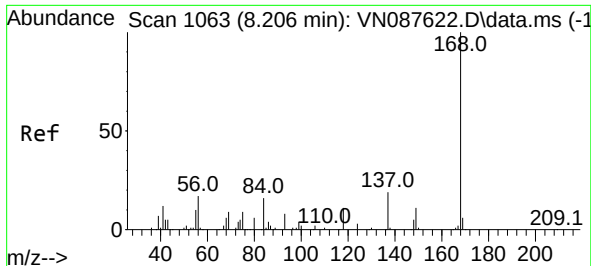
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : Q2936-04
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FB-02-082125

Quant Time: Aug 25 01:20:50 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

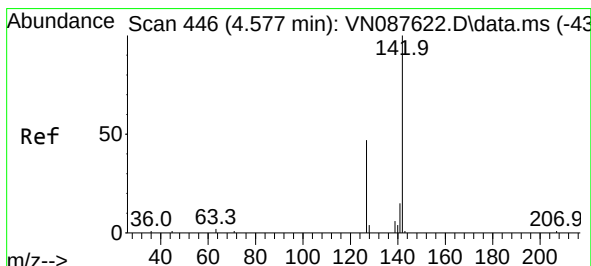
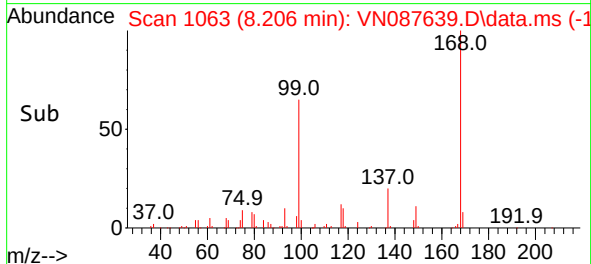
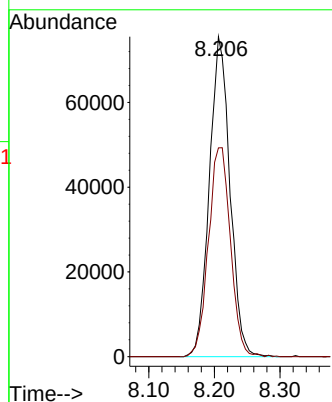
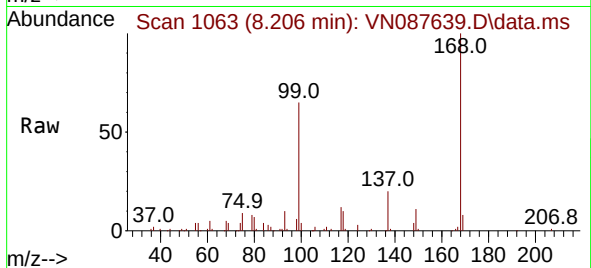




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087639.D
Acq: 22 Aug 2025 14:22

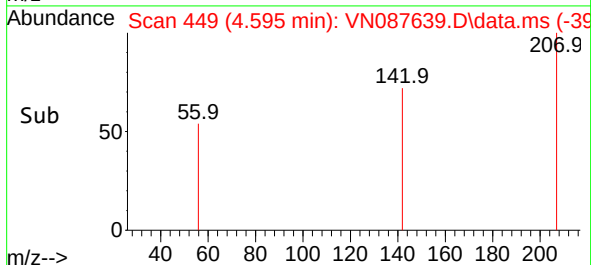
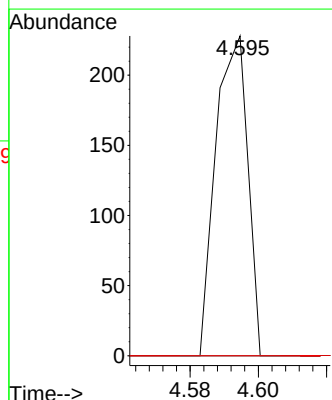
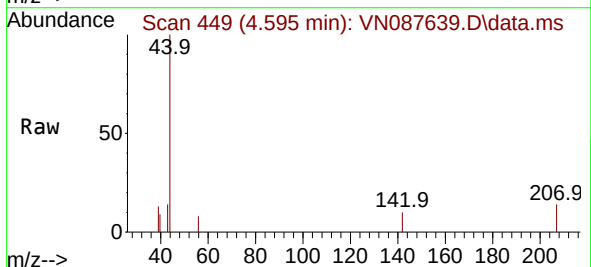
Instrument :
MSVOA_N
ClientSampleId :
FB-02-082125

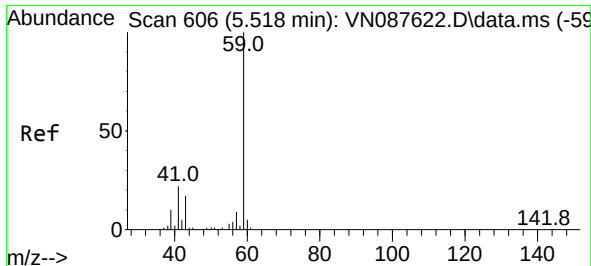
Tgt Ion:168 Resp: 164863
Ion Ratio Lower Upper
168 100
99 65.2 57.2 85.8



#10
Methyl Iodide
Concen: 6.884 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.018 min
Lab File: VN087639.D
Acq: 22 Aug 2025 14:22

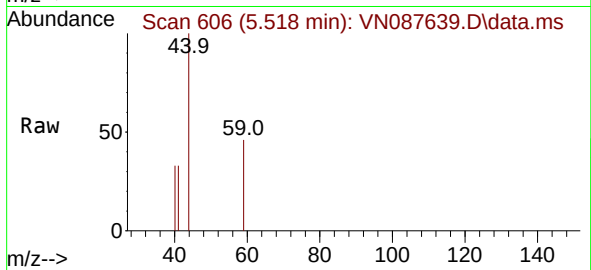
Tgt Ion:142 Resp: 148
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



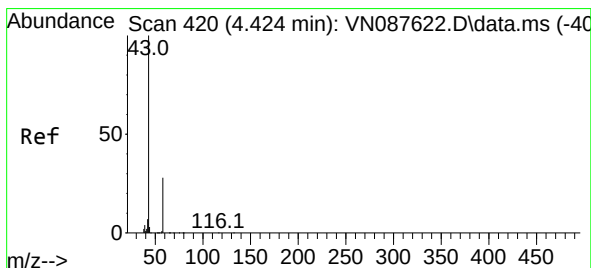
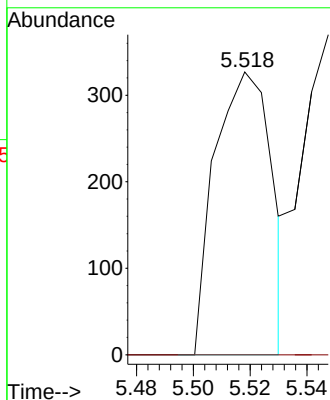
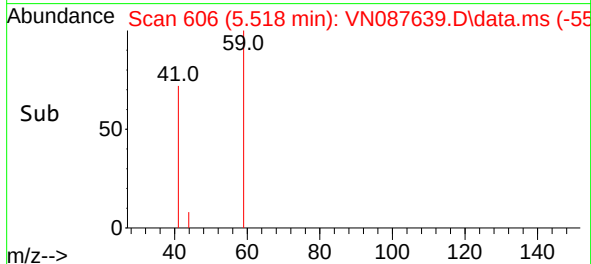


#11
Tert butyl alcohol
Concen: 0.779 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN087639.D
Acq: 22 Aug 2025 14:22

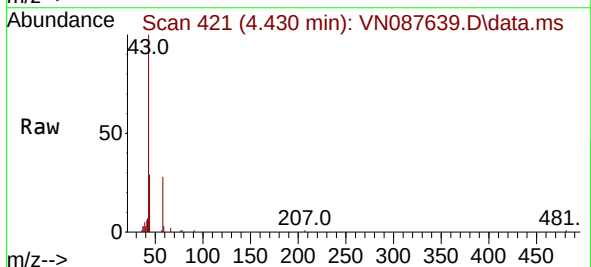
Instrument :
MSVOA_N
ClientSampleId :
FB-02-082125



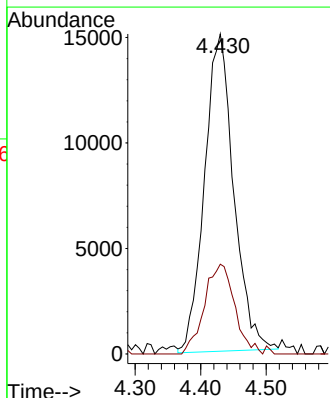
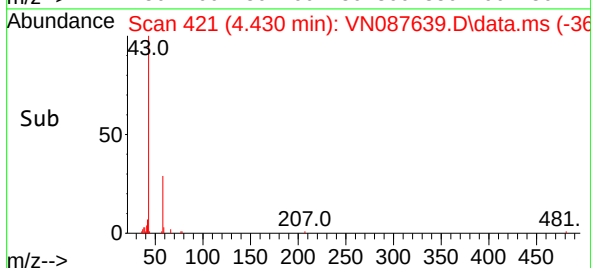
Tgt Ion: 59 Resp: 457
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

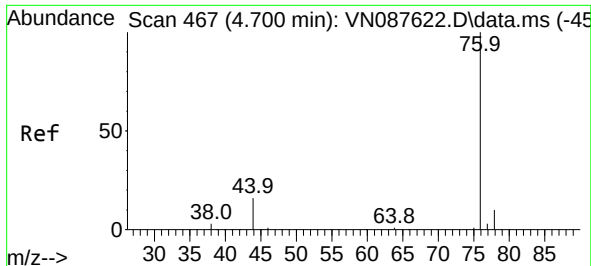


#16
Acetone
Concen: 25.311 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087639.D
Acq: 22 Aug 2025 14:22



Tgt Ion: 43 Resp: 46542
Ion Ratio Lower Upper
43 100
58 28.5 22.6 33.8

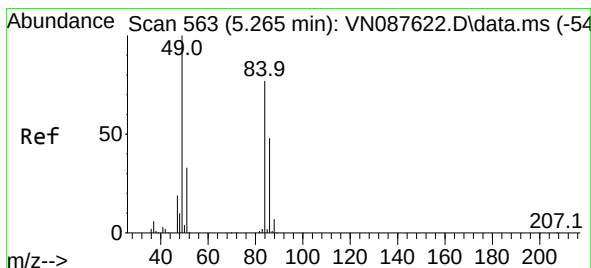
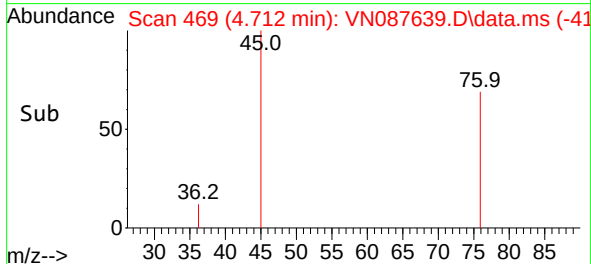
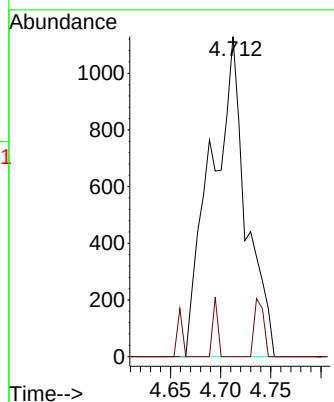
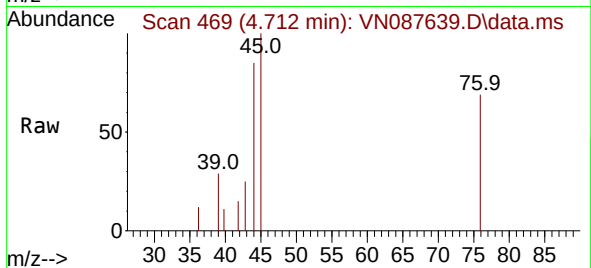




#17
Carbon Disulfide
Concen: 0.419 ug/l
RT: 4.712 min Scan# 412
Delta R.T. 0.012 min
Lab File: VN087639.D
Acq: 22 Aug 2025 14:22

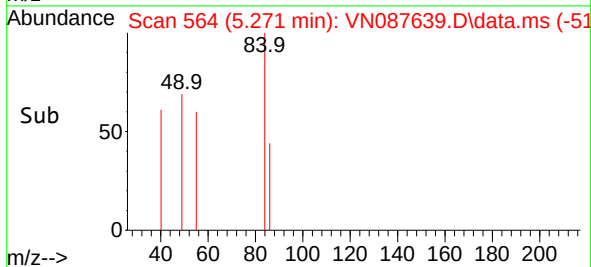
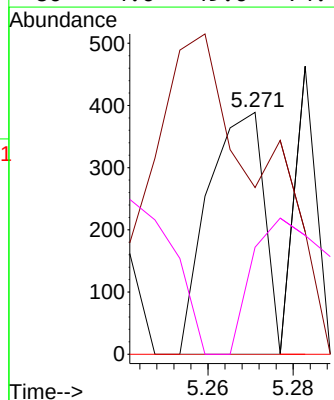
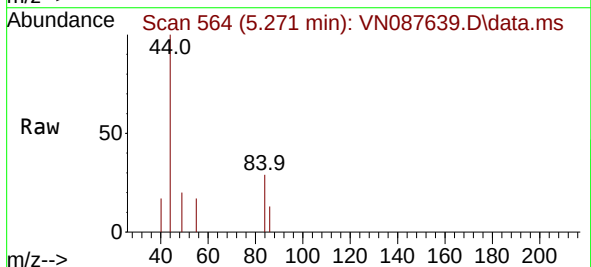
Instrument :
MSVOA_N
ClientSampleId :
FB-02-082125

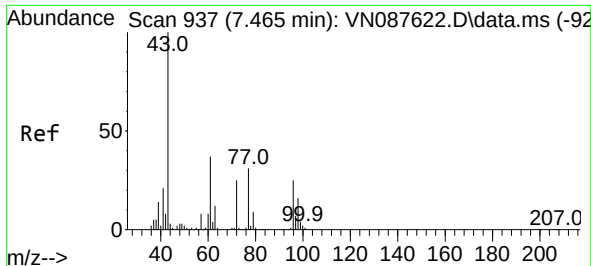
Tgt Ion: 76 Resp: 2739
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN087639.D
Acq: 22 Aug 2025 14:22

Tgt Ion: 84 Resp: 355
Ion Ratio Lower Upper
84 100
49 0.0 103.4 155.2#
51 0.0 33.8 50.8#
86 4.6 49.6 74.4#

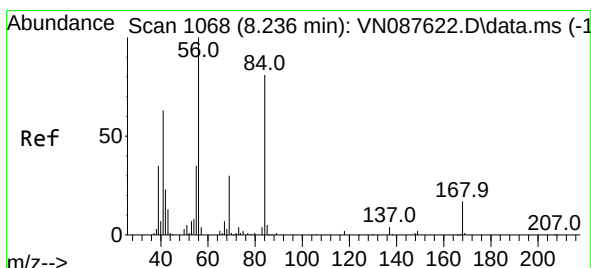
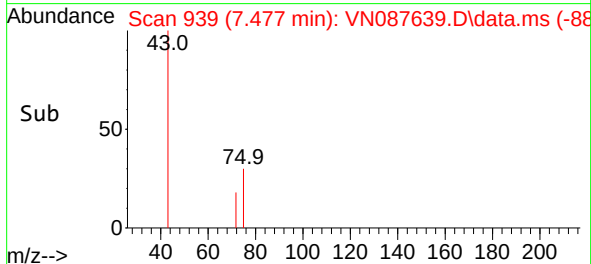
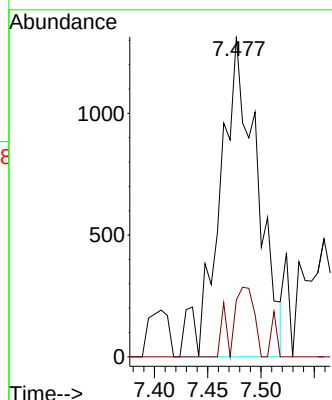
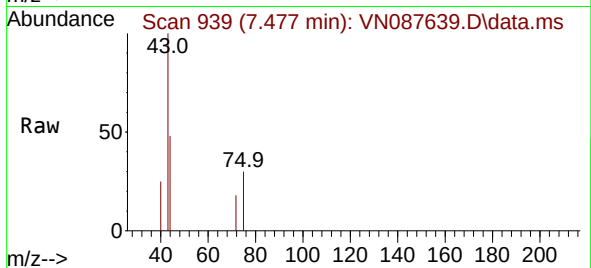




#25
2-Butanone
Concen: 1.327 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN087639.D
Acq: 22 Aug 2025 14:22

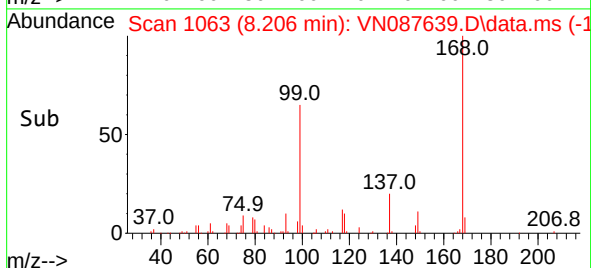
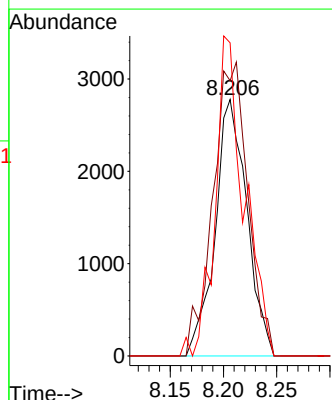
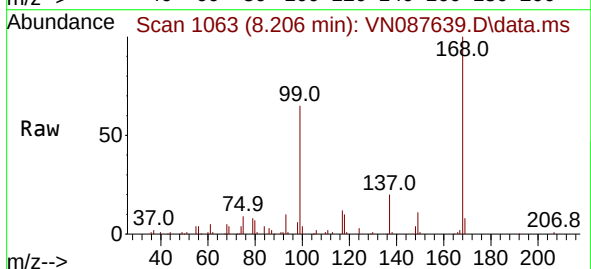
Instrument :
MSVOA_N
ClientSampleId :
FB-02-082125

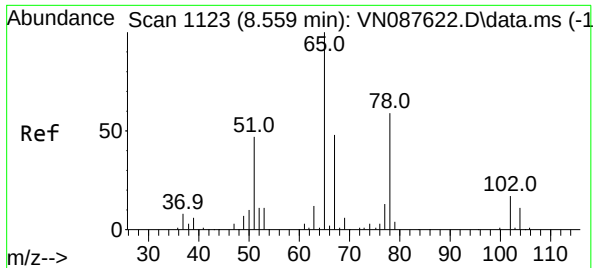
Tgt Ion: 43 Resp: 3210
Ion Ratio Lower Upper
43 100
72 17.7 19.9 29.9#



#31
Cyclohexane
Concen: 1.352 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN087639.D
Acq: 22 Aug 2025 14:22

Tgt Ion: 56 Resp: 5746
Ion Ratio Lower Upper
56 100
69 107.3 23.7 35.5#
84 122.1 64.7 97.1#





#33

1,2-Dichloroethane-d4

Concen: 52.935 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN087639.D

Acq: 22 Aug 2025 14:22

Instrument :

MSVOA_N

ClientSampleId :

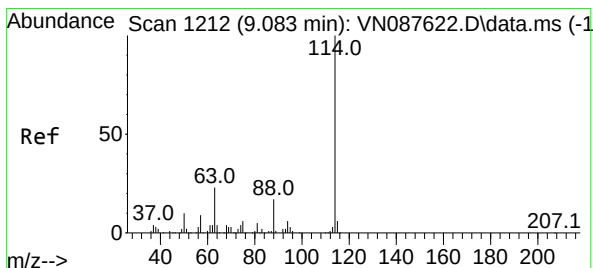
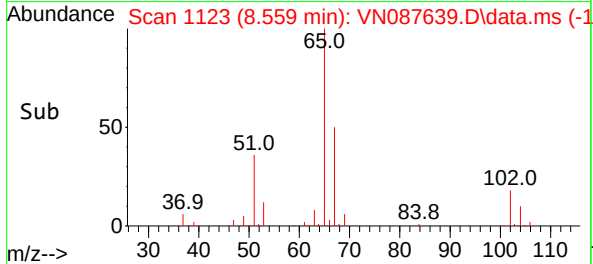
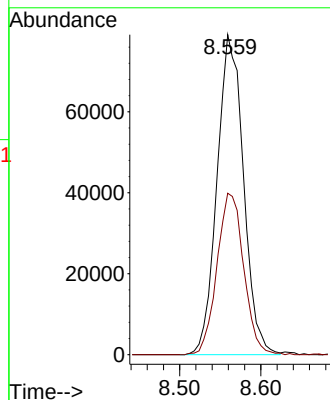
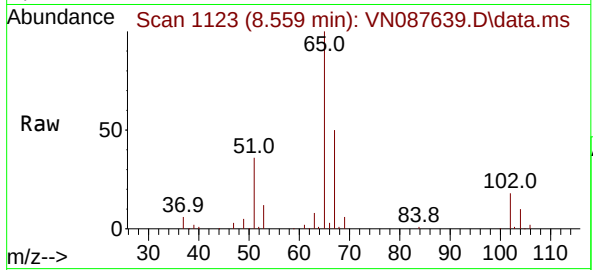
FB-02-082125

Tgt Ion: 65 Resp: 178808

Ion Ratio Lower Upper

65 100

67 51.0 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: VN087639.D

Acq: 22 Aug 2025 14:22

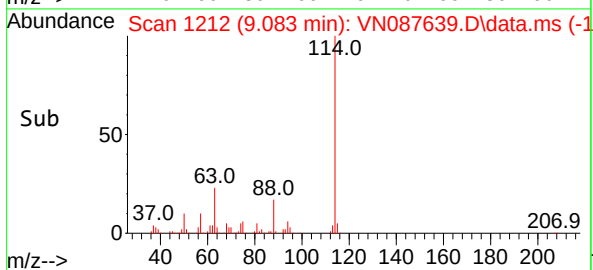
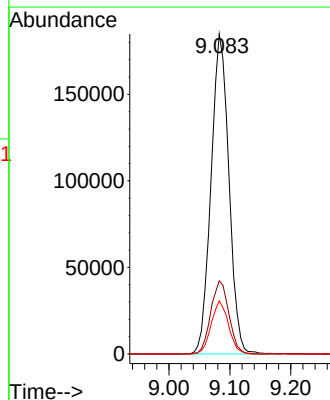
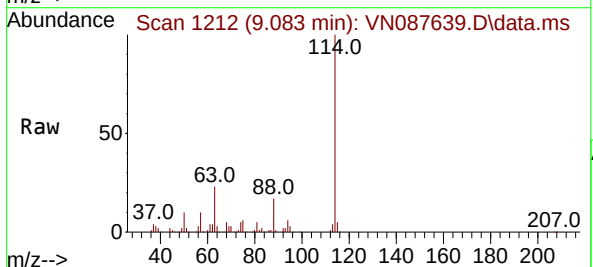
Tgt Ion: 114 Resp: 376501

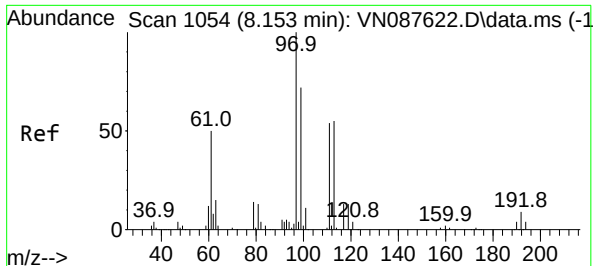
Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.2

88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.713 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.000 min

Lab File: VN087639.D

Acq: 22 Aug 2025 14:22

Instrument :

MSVOA_N

ClientSampleId :

FB-02-082125

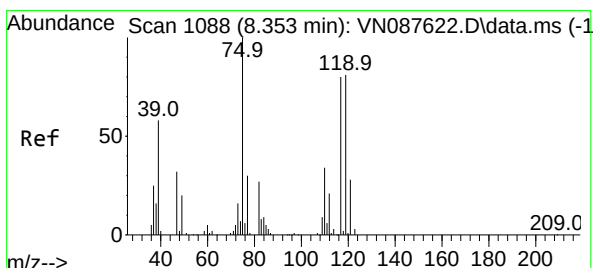
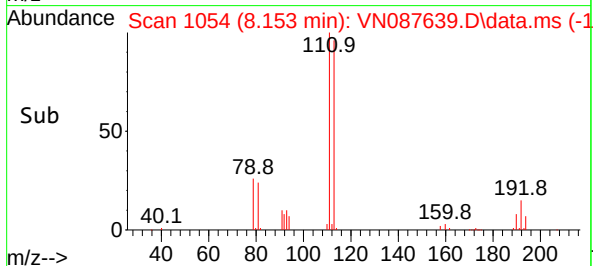
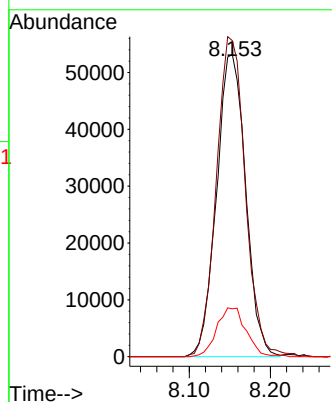
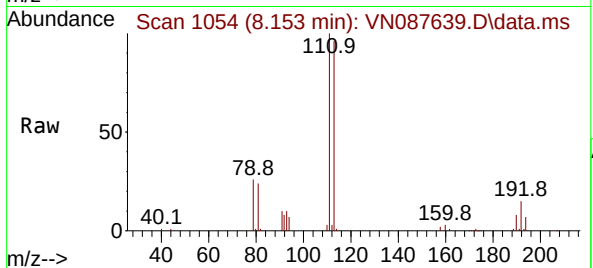
Tgt Ion:113 Resp: 132417

Ion Ratio Lower Upper

113 100

111 105.4 82.8 124.2

192 16.4 12.8 19.2



#36

1,1-Dichloropropene

Concen: 3.991 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087639.D

Acq: 22 Aug 2025 14:22

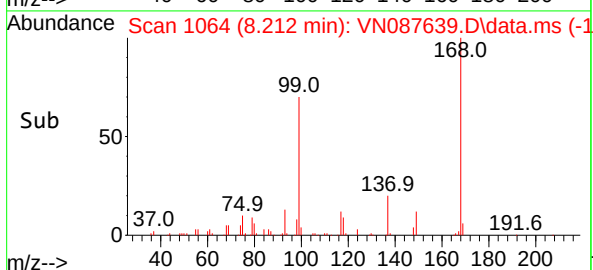
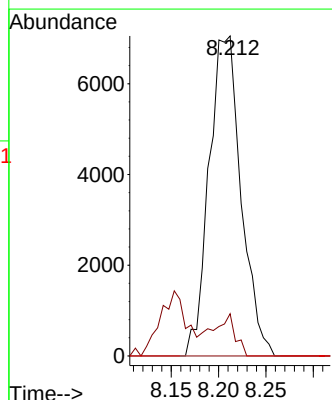
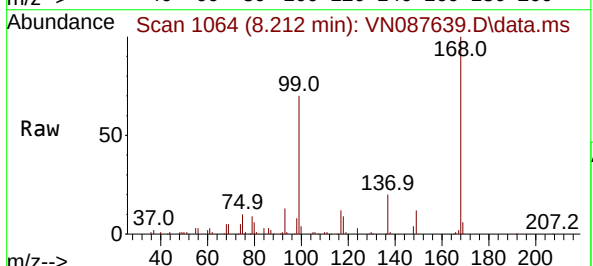
Tgt Ion: 75 Resp: 16645

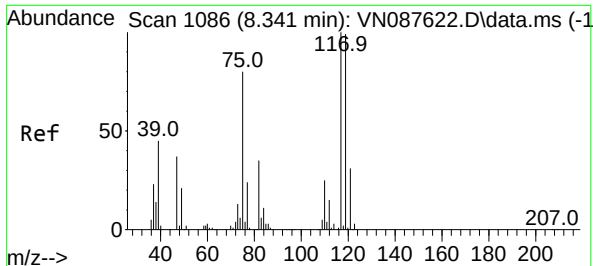
Ion Ratio Lower Upper

75 100

110 8.7 15.9 47.6#

77 0.0 24.4 36.6#

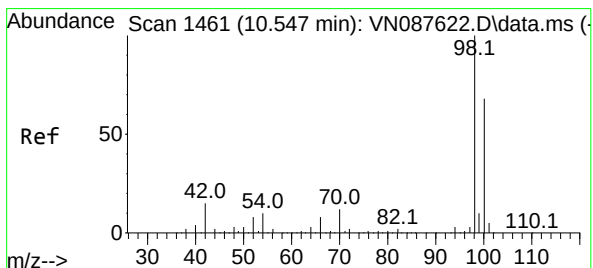
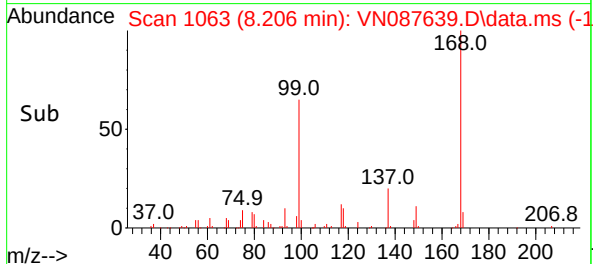
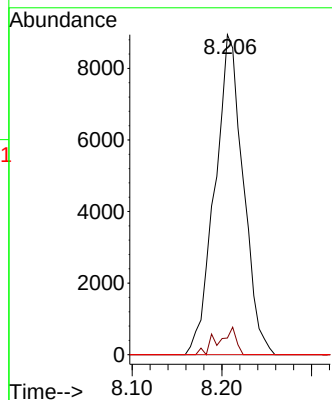
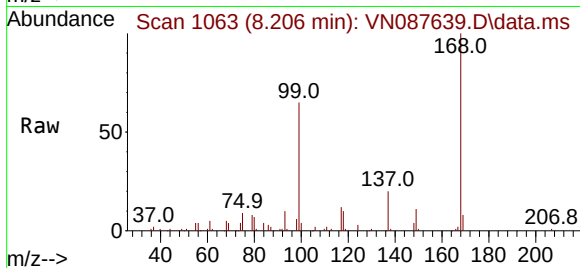




#38
Carbon Tetrachloride
Concen: 4.757 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087639.D
Acq: 22 Aug 2025 14:22

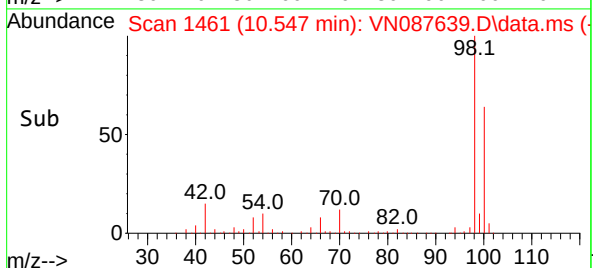
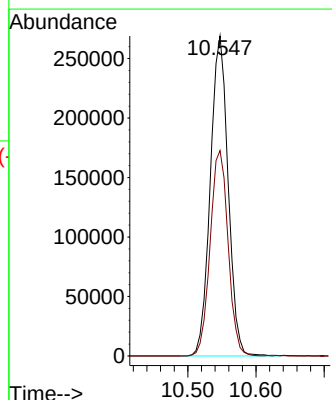
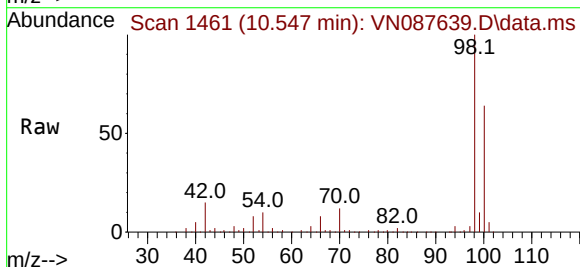
Instrument :
MSVOA_N
ClientSampleId :
FB-02-082125

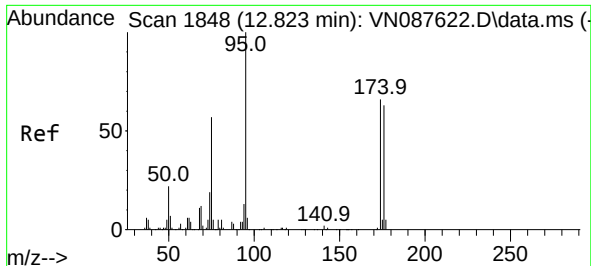
Tgt Ion:117 Resp: 19586
Ion Ratio Lower Upper
117 100
119 5.2 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 48.046 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087639.D
Acq: 22 Aug 2025 14:22

Tgt Ion: 98 Resp: 488826
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2

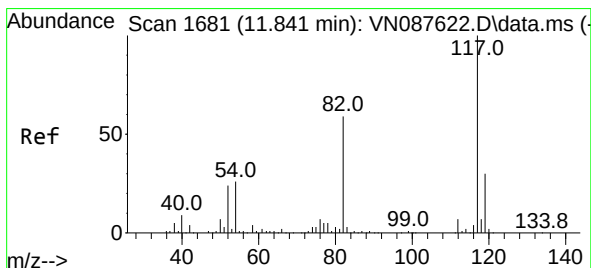
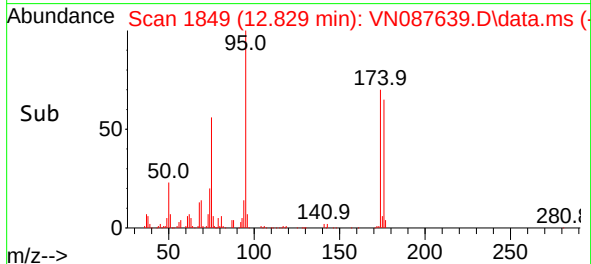
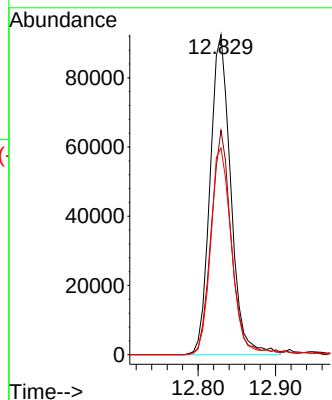
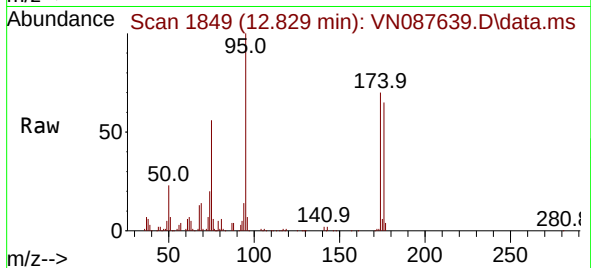




#62
4-Bromofluorobenzene
Concen: 47.337 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087639.D
Acq: 22 Aug 2025 14:22

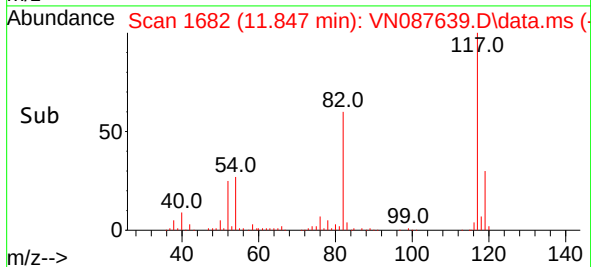
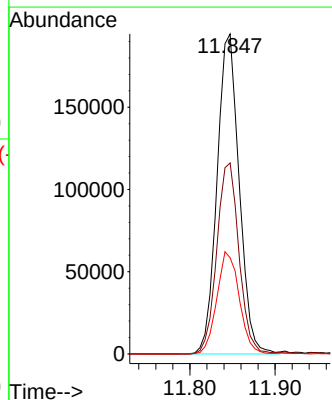
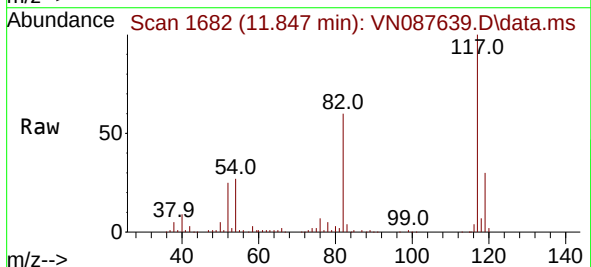
Instrument :
MSVOA_N
ClientSampleId :
FB-02-082125

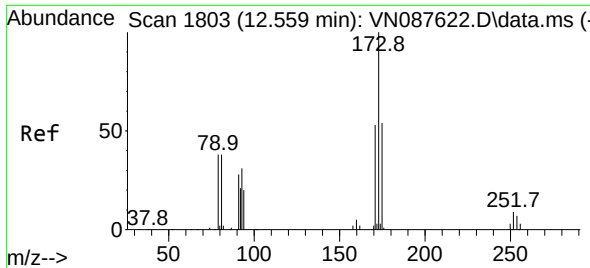
Tgt Ion: 95 Resp: 171278
Ion Ratio Lower Upper
95 100
174 69.2 0.0 138.4
176 66.1 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087639.D
Acq: 22 Aug 2025 14:22

Tgt Ion: 117 Resp: 351165
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 30.1 24.3 36.5





#71

Bromoform

Concen: 0.431 ug/l

RT: 12.829 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN087639.D

Acq: 22 Aug 2025 14:22

Instrument :

MSVOA_N

ClientSampleId :

FB-02-082125

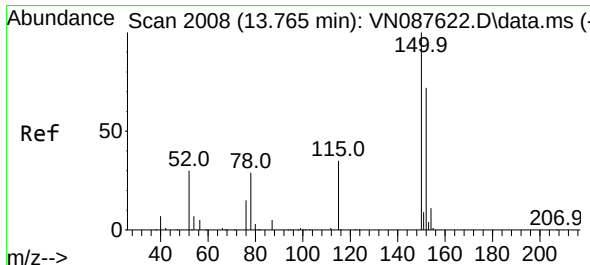
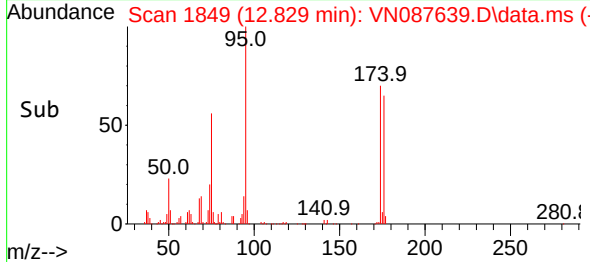
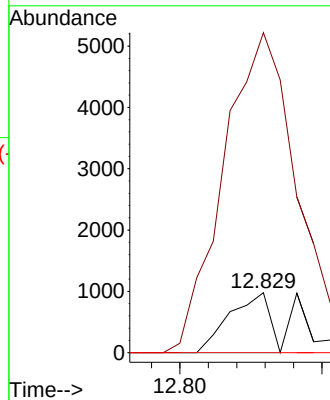
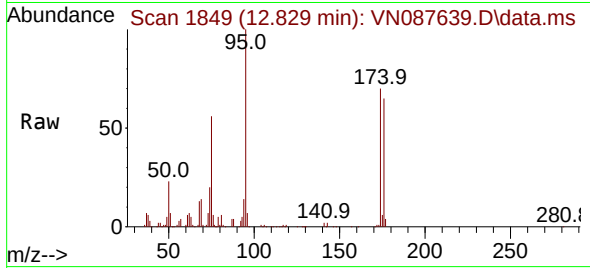
Tgt Ion:173 Resp: 958

Ion Ratio Lower Upper

173 100

175 781.9 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: VN087639.D

Acq: 22 Aug 2025 14:22

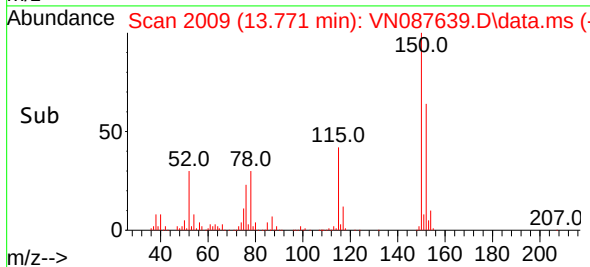
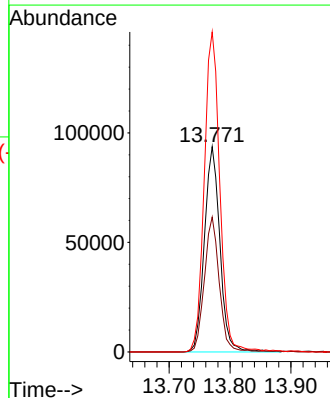
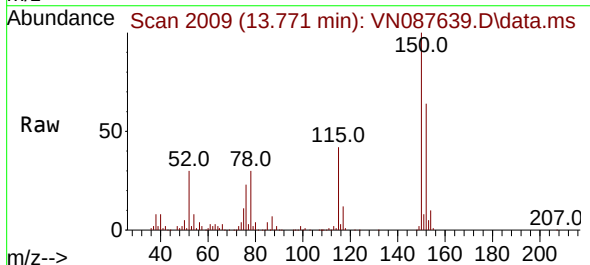
Tgt Ion:152 Resp: 166374

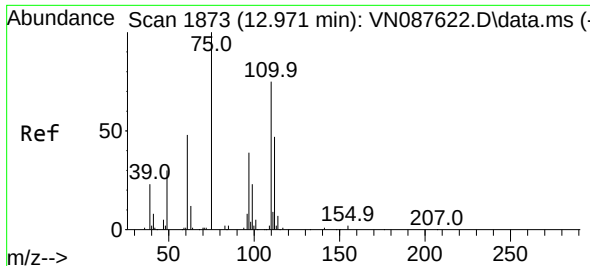
Ion Ratio Lower Upper

152 100

115 63.3 32.3 96.8

150 156.6 0.0 351.0

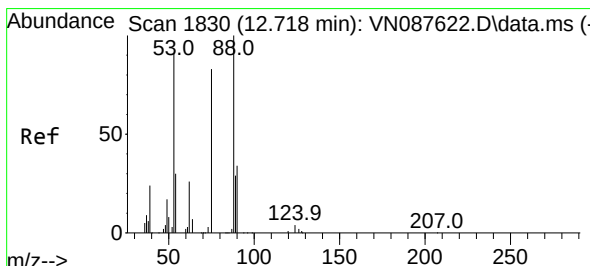
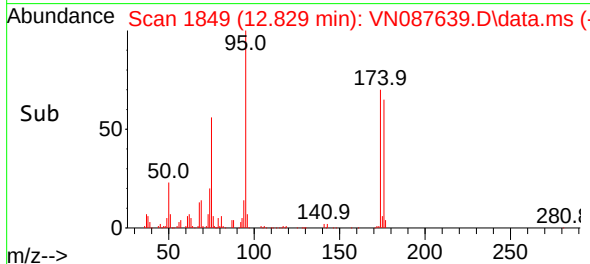
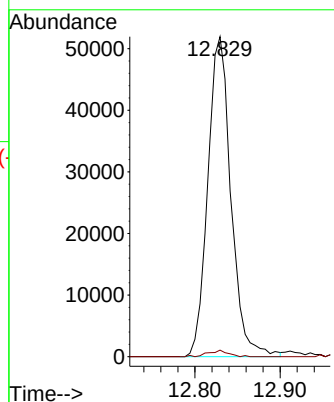
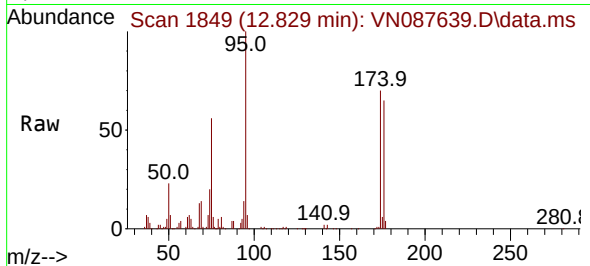




#76
1,2,3-Trichloropropane
Concen: 25.132 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087639.D
Acq: 22 Aug 2025 14:22

Instrument :
MSVOA_N
ClientSampleId :
FB-02-082125

Tgt Ion: 75 Resp: 98054
Ion Ratio Lower Upper
75 100
77 1.8 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.534 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087639.D
Acq: 22 Aug 2025 14:22

Tgt Ion: 75 Resp: 98054
Ion Ratio Lower Upper
75 100
53 0.2 101.8 152.6#
89 0.0 35.6 53.4#

