

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
 Data File : VN087674.D
 Acq On : 26 Aug 2025 16:45
 Operator : JC\MD
 Sample : Q2964-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW3

Quant Time: Aug 27 01:51:04 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	162555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	371496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	353184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.764	152	162592	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	179637	53.936	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.880%
35) Dibromofluoromethane	8.147	113	135470	50.507	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.020%
50) Toluene-d8	10.547	98	463062	46.126	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.260%
62) 4-Bromofluorobenzene	12.829	95	167156	46.820	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.640%

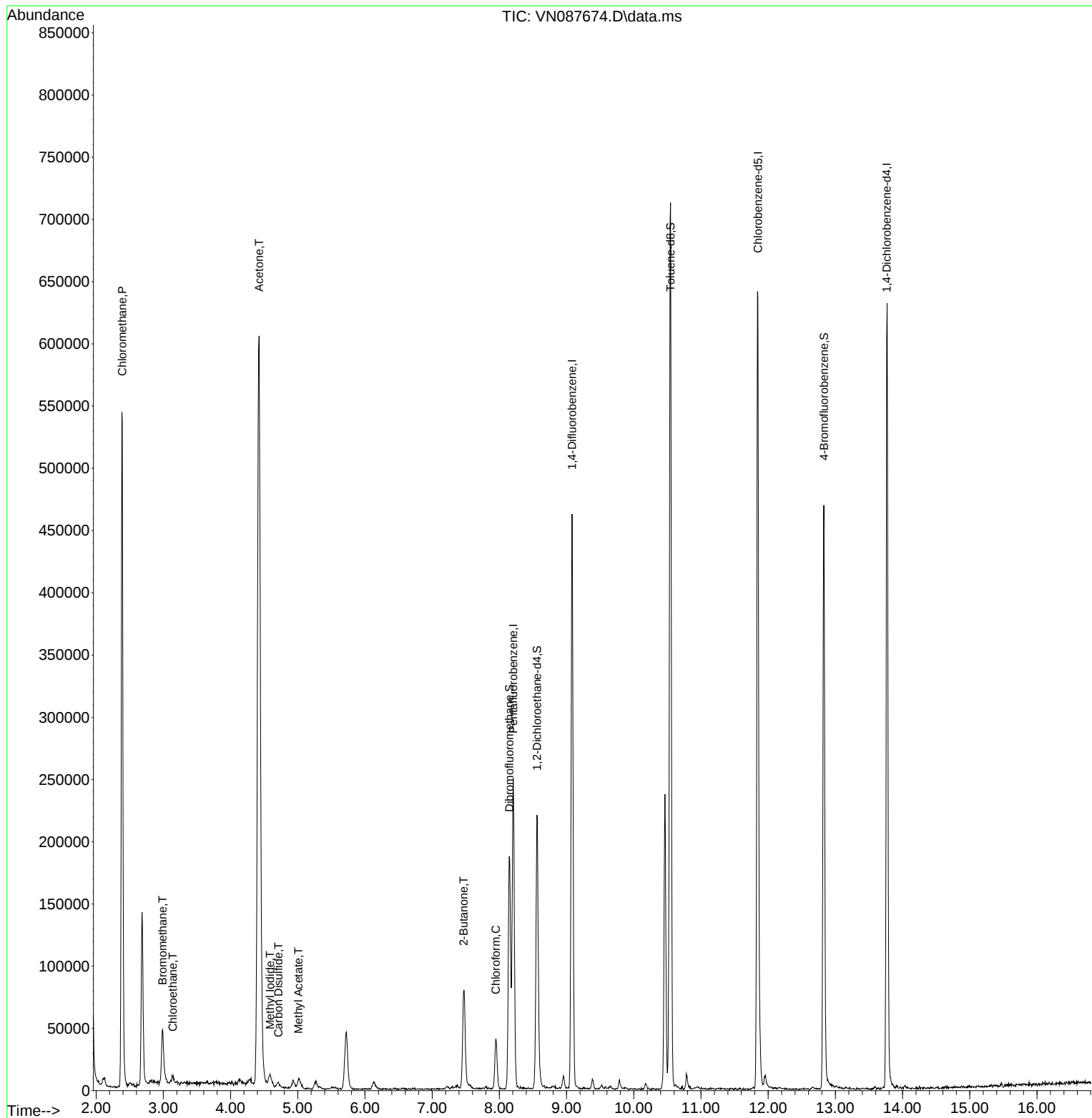
Target Compounds						Qvalue
3) Chloromethane	2.389	50	552275	232.770	ug/l	98
5) Bromomethane	2.989	94	34355	24.203	ug/l	99
6) Chloroethane	3.142	64	5703	2.950	ug/l	94
10) Methyl Iodide	4.589	142	18382	16.127	ug/l	95
16) Acetone	4.424	43	1198494	661.036	ug/l	96
17) Carbon Disulfide	4.712	76	7675	1.190	ug/l	97
18) Methyl Acetate	5.012	43	16088	4.238	ug/l	100
25) 2-Butanone	7.471	43	135182	56.673	ug/l	100
30) Chloroform	7.947	83	37839	7.377	ug/l	95

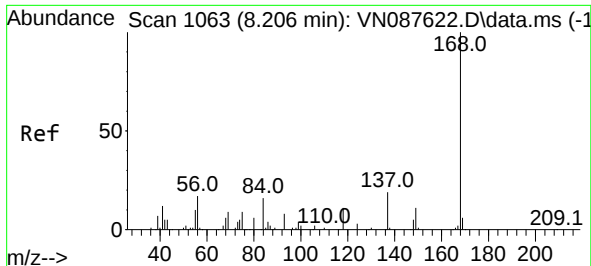
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

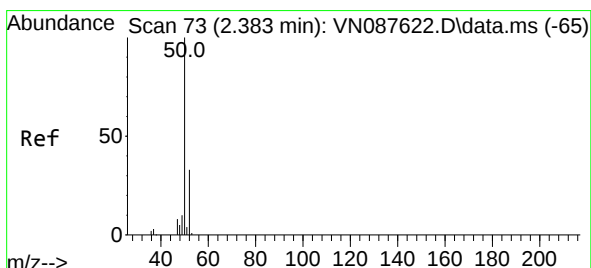
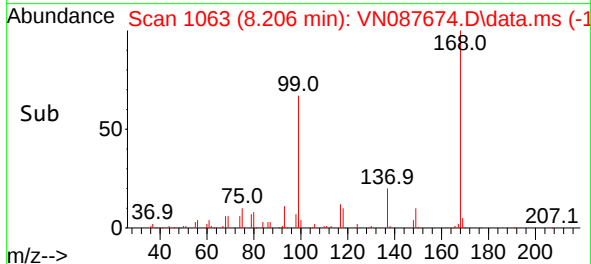
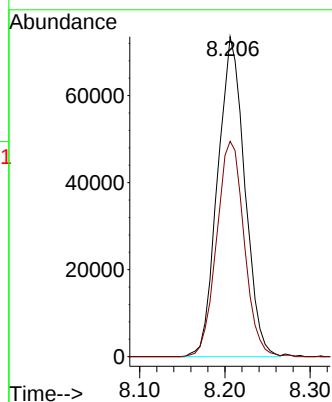
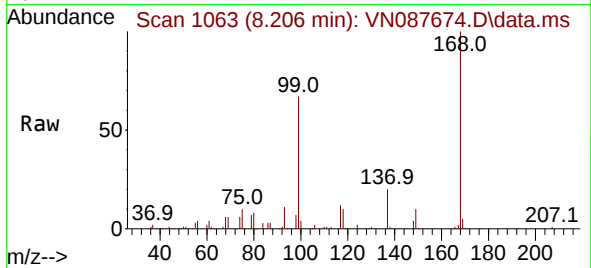




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

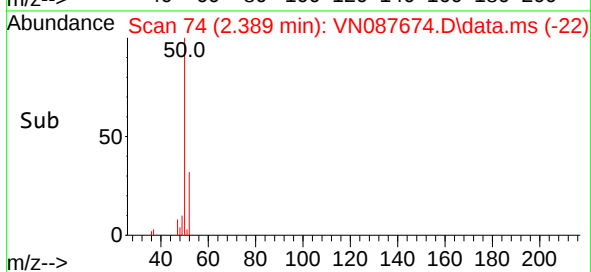
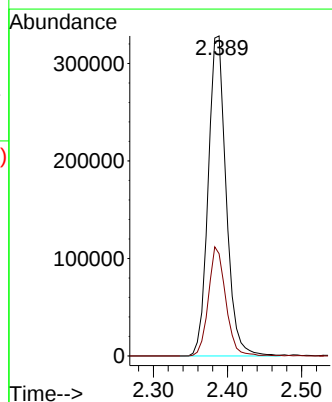
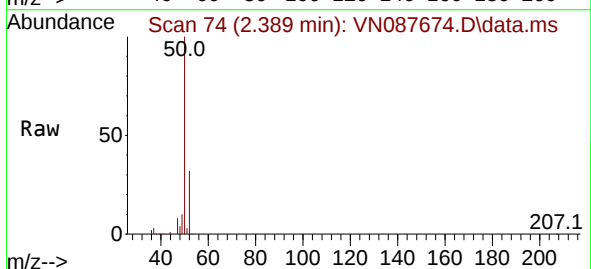
Instrument :
MSVOA_N
ClientSampleId :
MW3

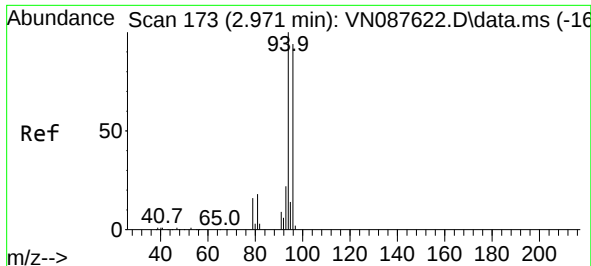
Tgt Ion:168 Resp: 162555
Ion Ratio Lower Upper
168 100
99 67.3 57.2 85.8



#3
Chloromethane
Concen: 232.770 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 50 Resp: 552275
Ion Ratio Lower Upper
50 100
52 31.9 26.2 39.4

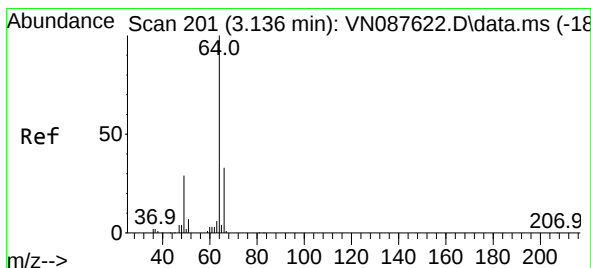
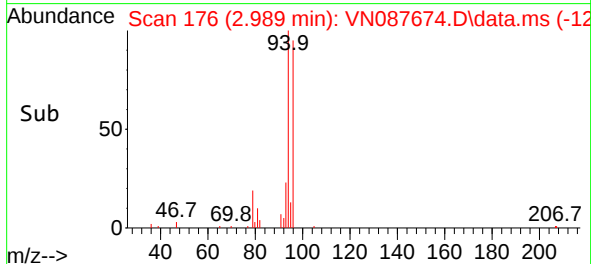
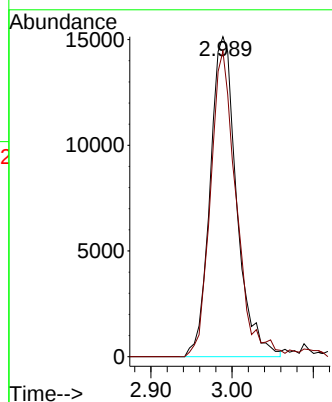
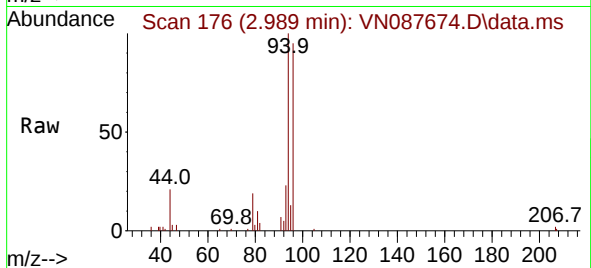




#5
Bromomethane
Concen: 24.203 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

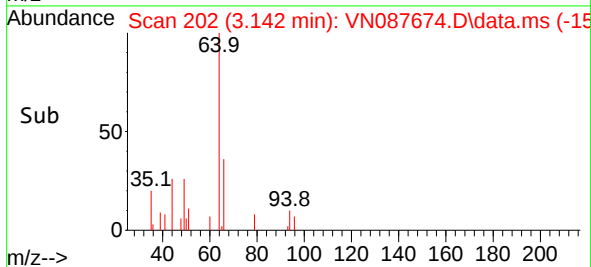
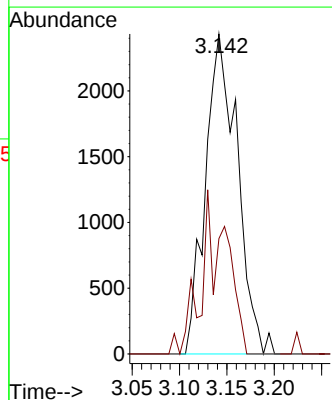
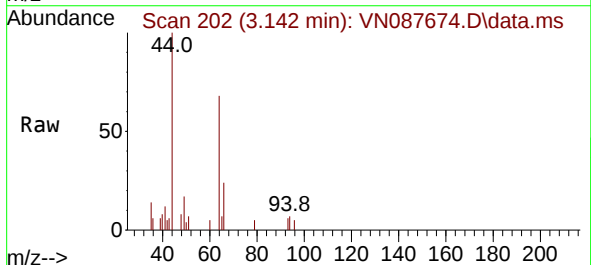
Instrument :
MSVOA_N
ClientSampleId :
MW3

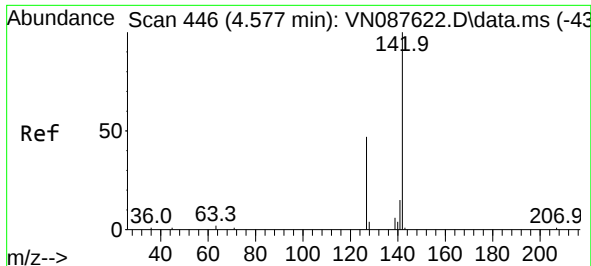
Tgt Ion: 94 Resp: 34355
Ion Ratio Lower Upper
94 100
96 95.5 75.4 113.2



#6
Chloroethane
Concen: 2.950 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 64 Resp: 5703
Ion Ratio Lower Upper
64 100
66 36.0 26.2 39.2

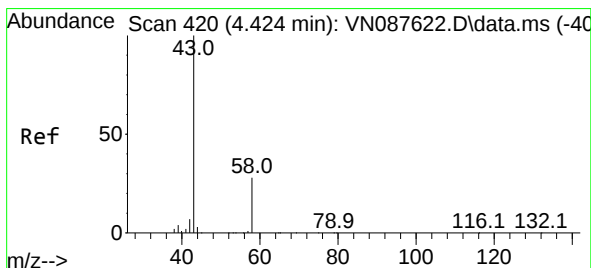
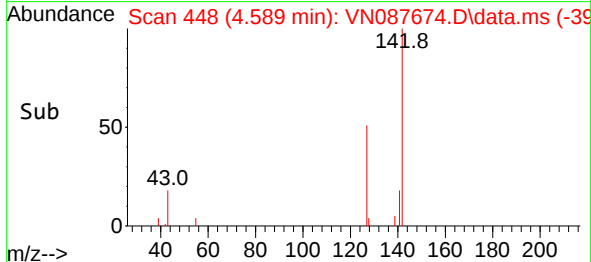
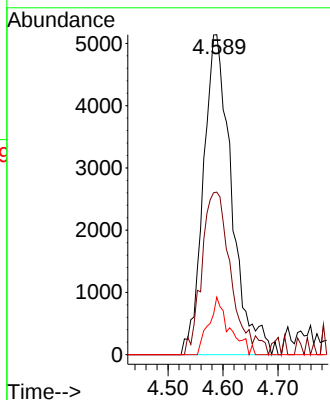
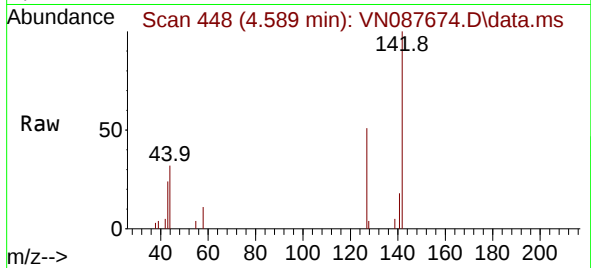




#10
Methyl Iodide
Concen: 16.127 ug/l
RT: 4.589 min Scan# 446
Delta R.T. 0.012 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

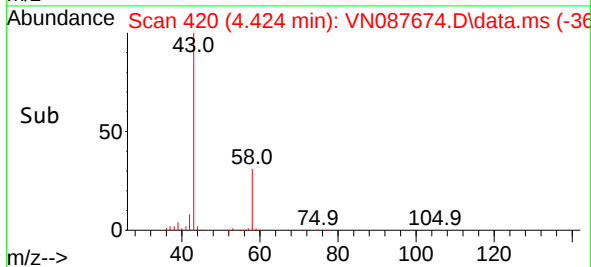
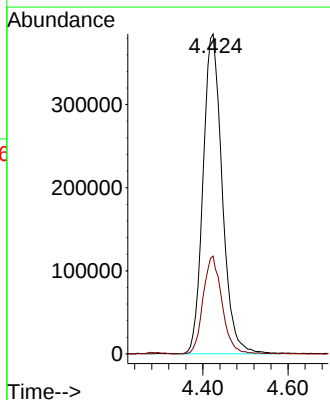
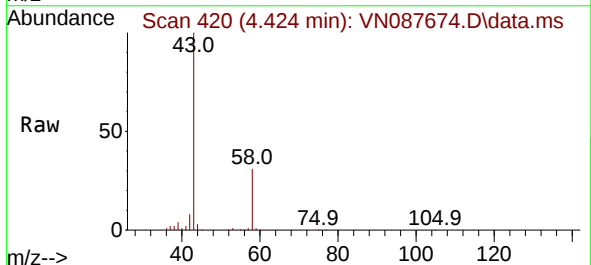
Instrument :
MSVOA_N
ClientSampleId :
MW3

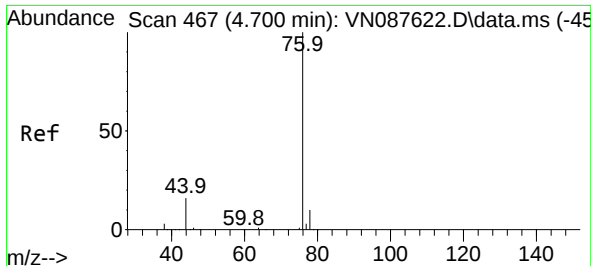
Tgt Ion:142 Resp: 18382
Ion Ratio Lower Upper
142 100
127 50.8 38.0 57.0
141 18.0 12.0 18.0



#16
Acetone
Concen: 661.036 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 43 Resp: 1198494
Ion Ratio Lower Upper
43 100
58 30.5 22.6 33.8

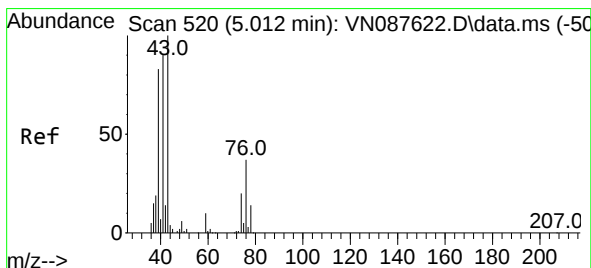
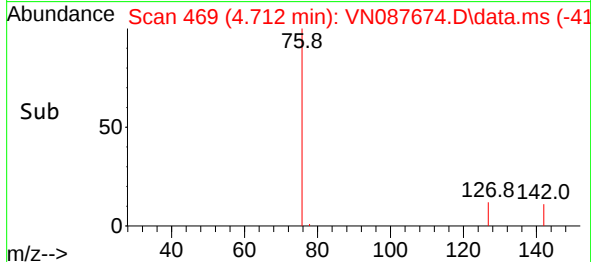
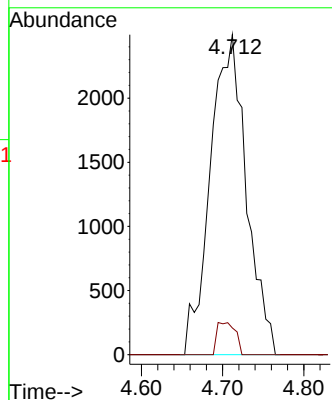
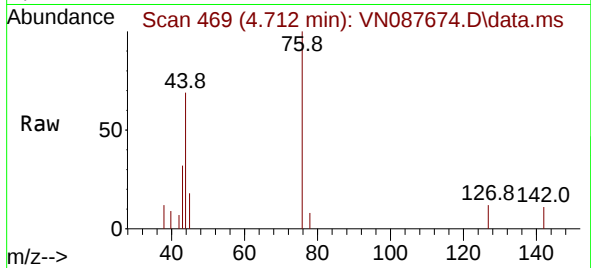




#17
Carbon Disulfide
Concen: 1.190 ug/l
RT: 4.712 min Scan# 40
Delta R.T. 0.012 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

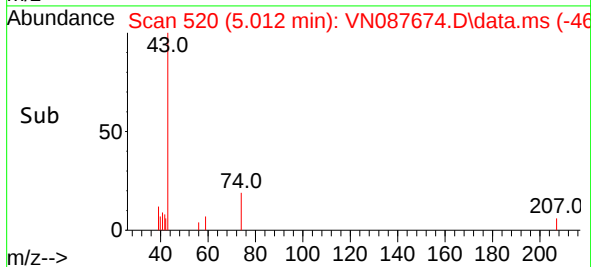
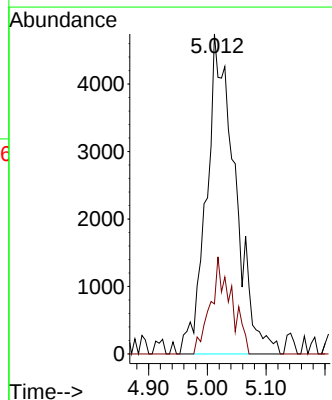
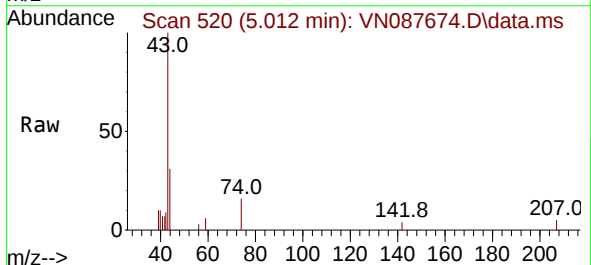
Instrument :
MSVOA_N
ClientSampleId :
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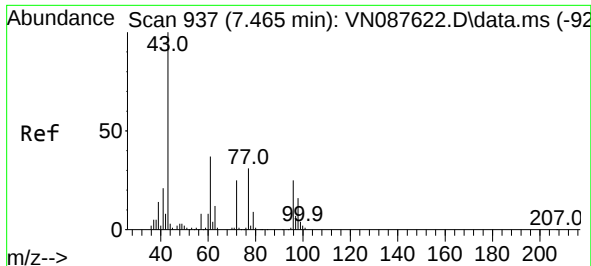
Tgt Ion: 76 Resp: 7675
Ion Ratio Lower Upper
76 100
78 8.3 7.6 11.4



#18
Methyl Acetate
Concen: 4.238 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 43 Resp: 16088
Ion Ratio Lower Upper
43 100
74 22.0 17.6 26.4

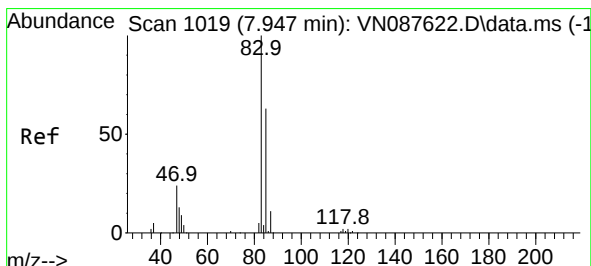
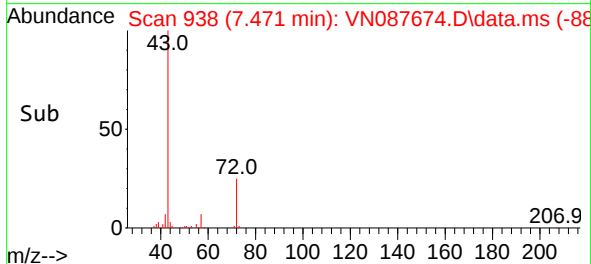
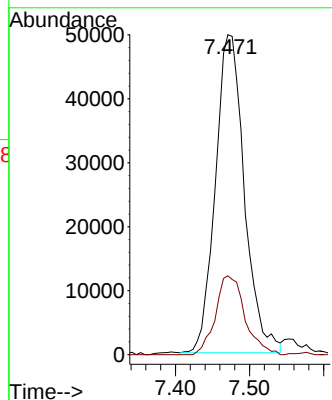
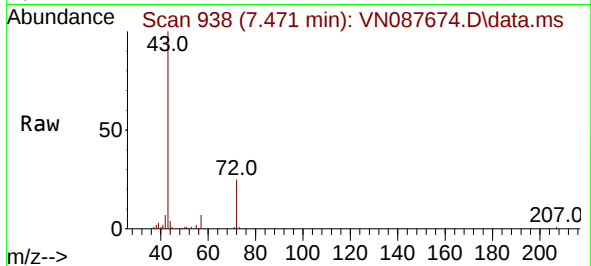




#25
2-Butanone
Concen: 56.673 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

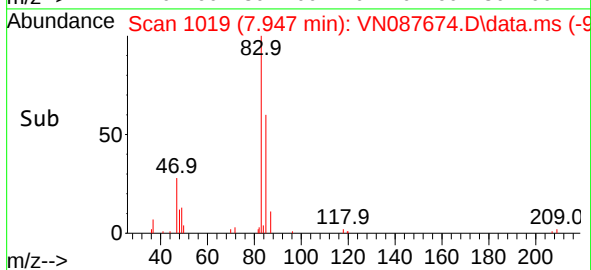
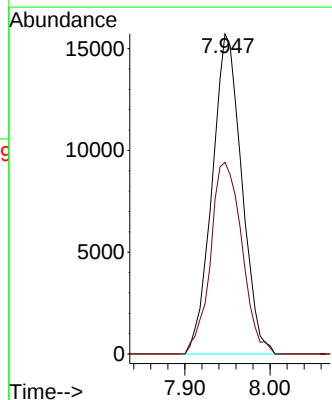
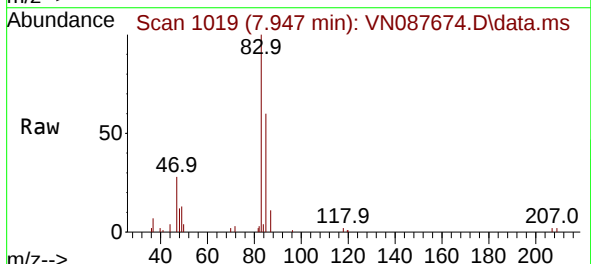
Instrument :
MSVOA_N
ClientSampleId :
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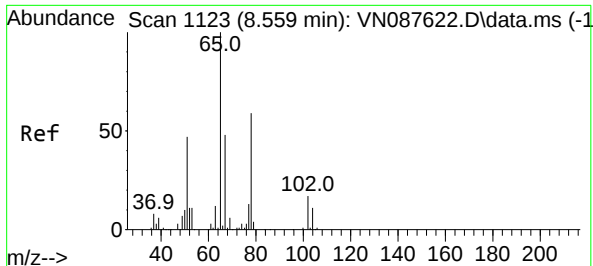
Tgt Ion: 43 Resp: 135182
Ion Ratio Lower Upper
43 100
72 24.8 19.9 29.9



#30
Chloroform
Concen: 7.377 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 83 Resp: 37839
Ion Ratio Lower Upper
83 100
85 59.9 50.7 76.1





#33

1,2-Dichloroethane-d4

Concen: 53.936 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087674.D

Acq: 26 Aug 2025 16:45

Instrument :

MSVOA_N

ClientSampleId :

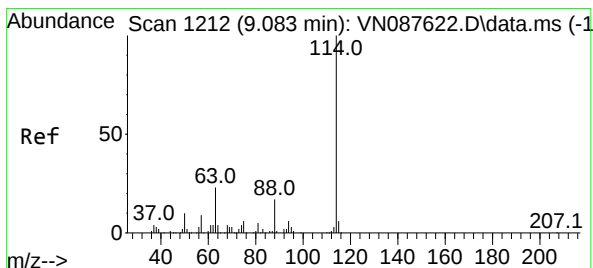
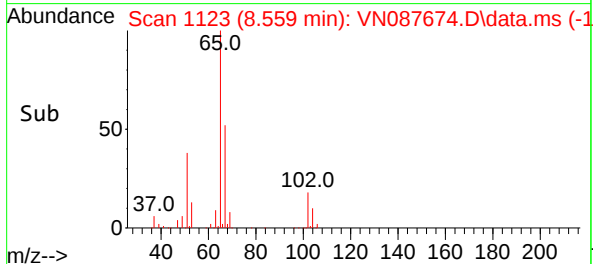
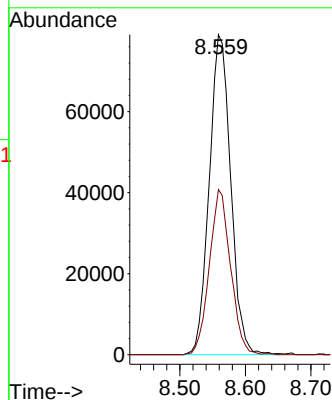
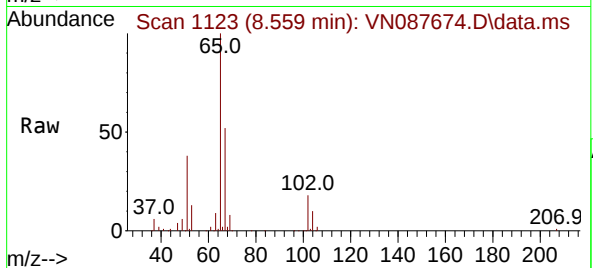
MW3

Tgt Ion: 65 Resp: 179637

Ion Ratio Lower Upper

65 100

67 51.0 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: VN087674.D

Acq: 26 Aug 2025 16:45

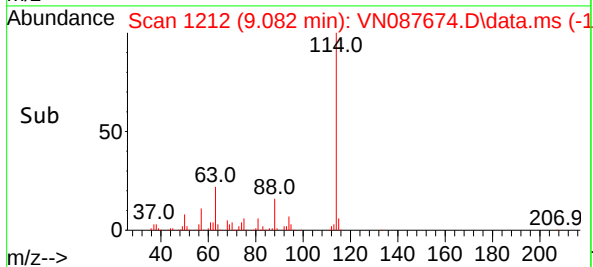
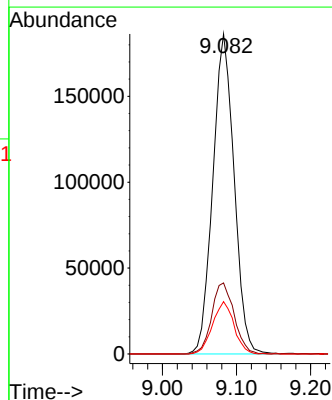
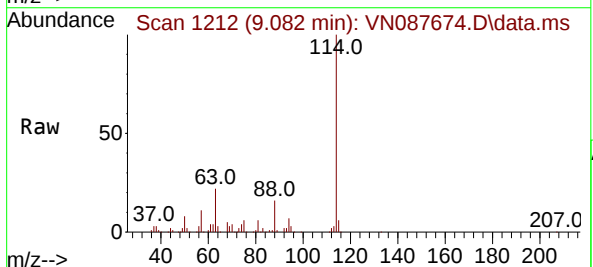
Tgt Ion: 114 Resp: 371496

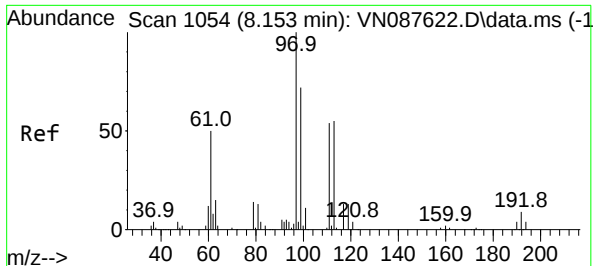
Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.507 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087674.D

Acq: 26 Aug 2025 16:45

Instrument :

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ClientSampleId :

MW3

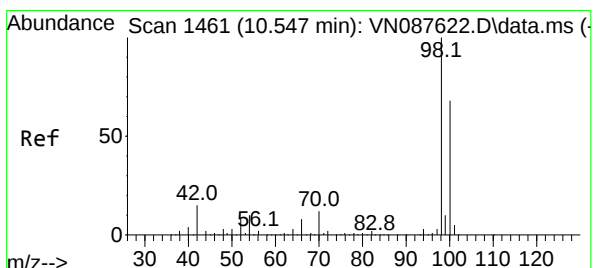
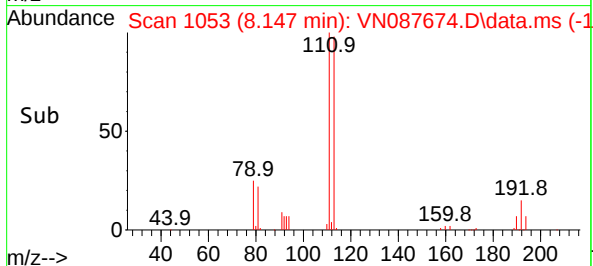
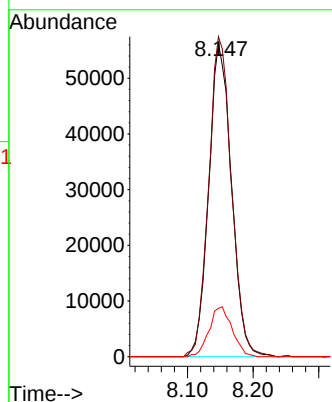
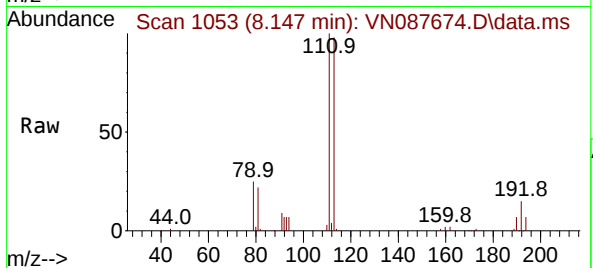
Tgt Ion:113 Resp: 135470

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 16.1 12.8 19.2



#50

Toluene-d8

Concen: 46.126 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN087674.D

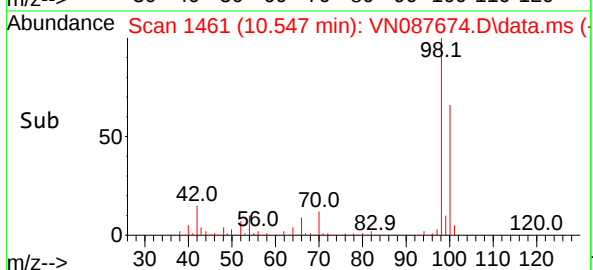
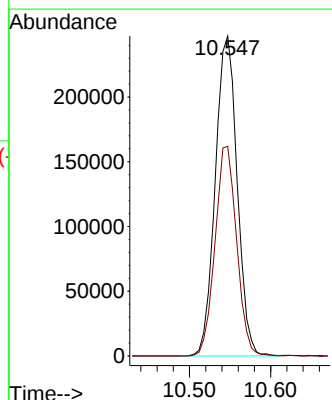
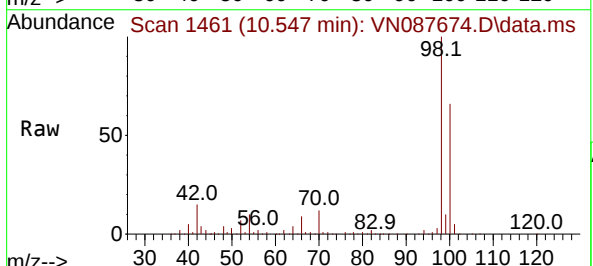
Acq: 26 Aug 2025 16:45

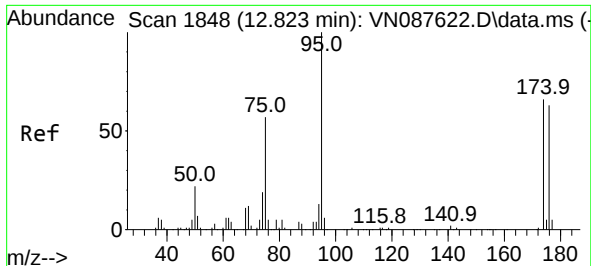
Tgt Ion: 98 Resp: 463062

Ion Ratio Lower Upper

98 100

100 64.7 52.8 79.2

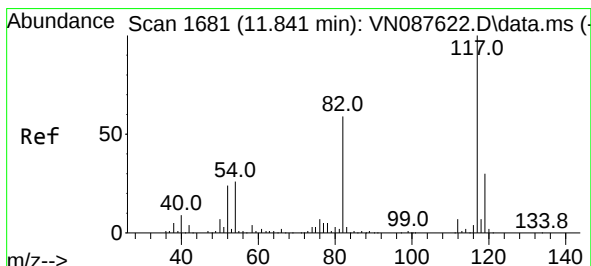
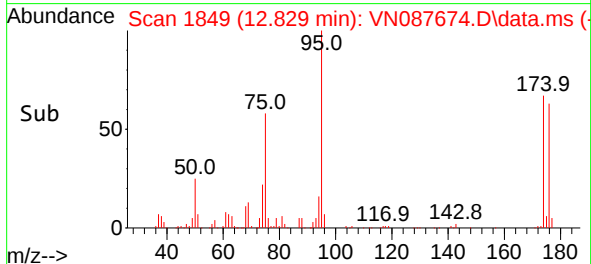
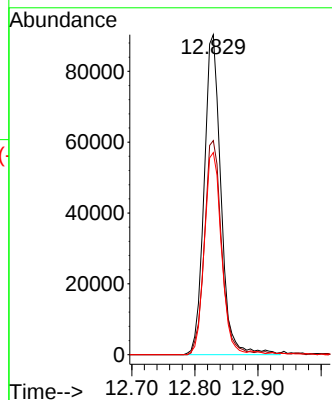
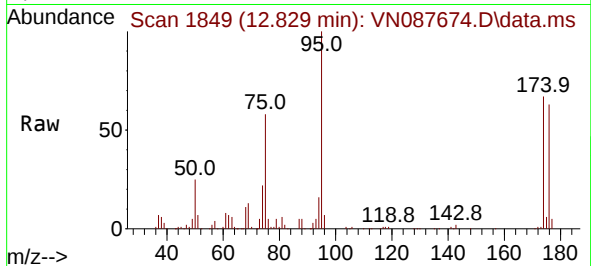




#62
4-Bromofluorobenzene
Concen: 46.820 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

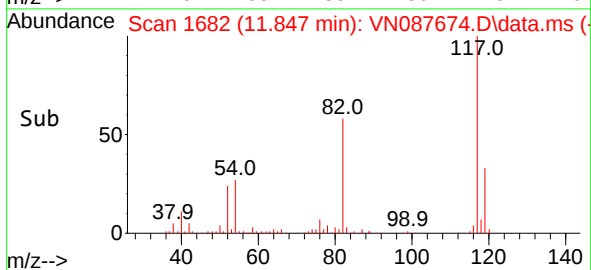
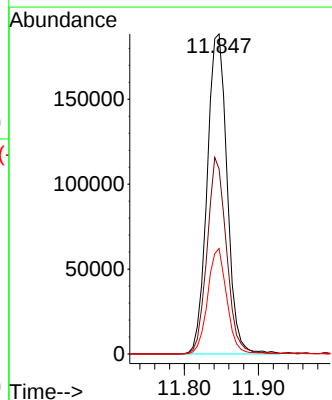
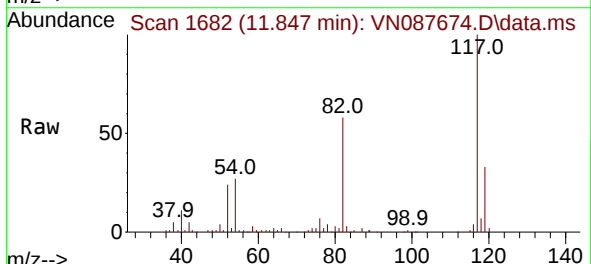
Instrument :
MSVOA_N
ClientSampleId :
MW3

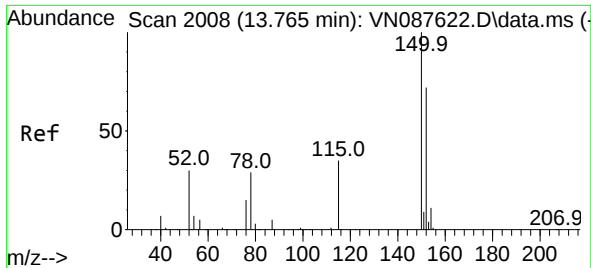
Tgt Ion: 95 Resp: 167156
Ion Ratio Lower Upper
95 100
174 68.4 0.0 138.4
176 64.0 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

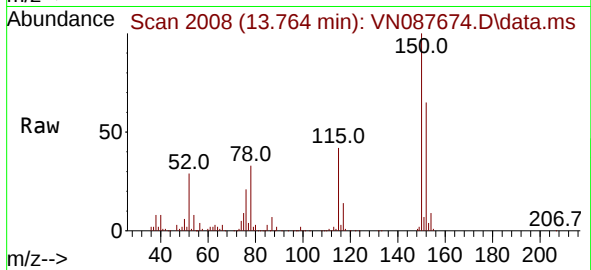
Tgt Ion: 117 Resp: 353184
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 33.0 24.3 36.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.764 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN087674.D
 Acq: 26 Aug 2025 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 MW3



Tgt Ion:152 Resp: 162592
 Ion Ratio Lower Upper
 152 100
 115 63.9 32.3 96.8
 150 159.8 0.0 351.0

