

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087279.D
 Acq On : 03 Jul 2025 17:56
 Operator : JC\MD
 Sample : Q2487-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G3(3)

Quant Time: Jul 04 01:36:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

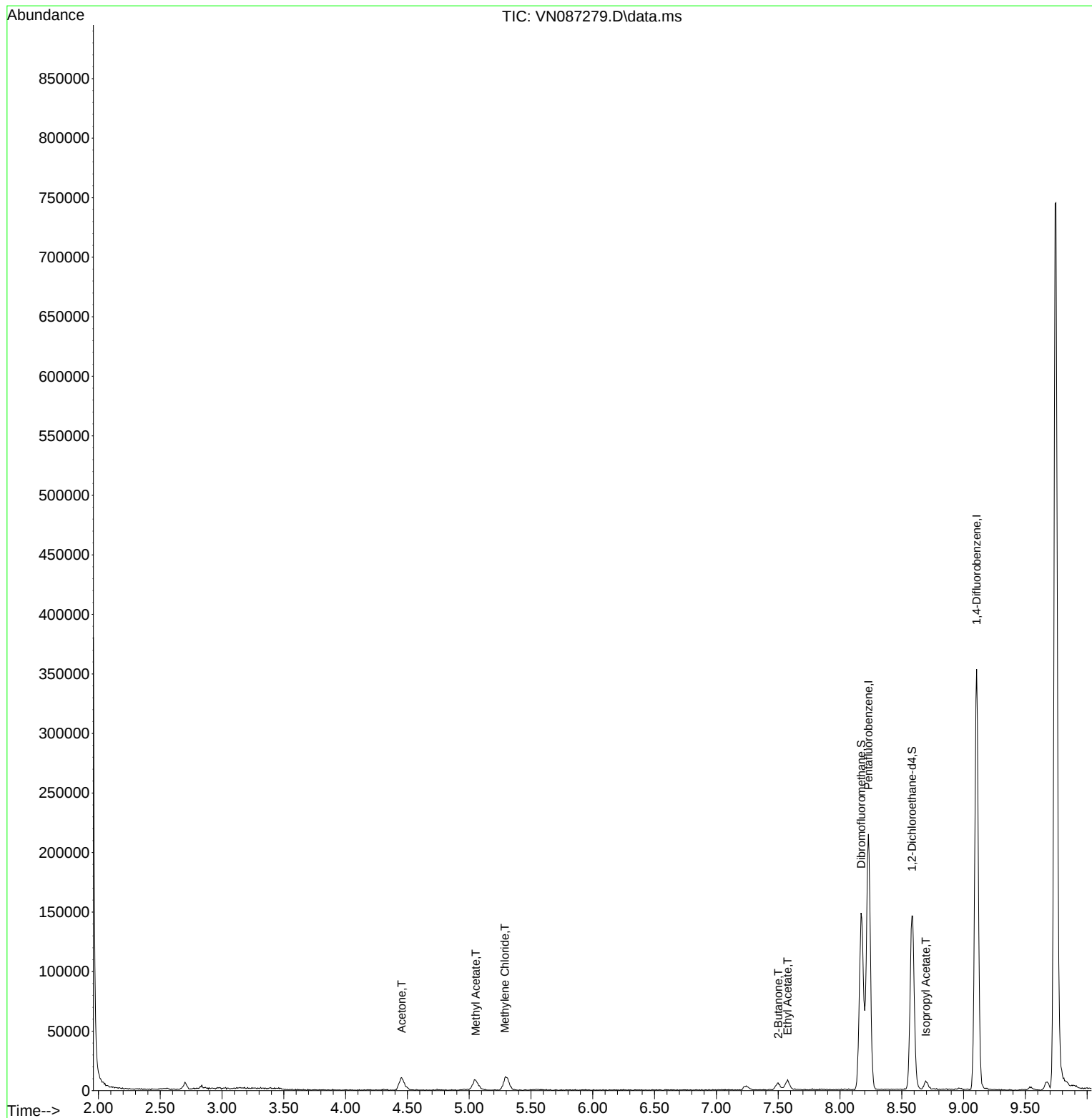
Internal Standards						
1) Pentafluorobenzene	8.230	168	165792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	318764	50.000	ug/l	0.00
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.86
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.79
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	125576	60.350	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.700%	
35) Dibromofluoromethane	8.171	113	110167	53.975	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.960%	
50) Toluene-d8	0.000	98	0	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	= 0.000%#	
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	= 0.000%#	
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	21164	26.604	ug/l	89
18) Methyl Acetate	5.053	43	18086	9.931	ug/l	96
20) Methylene Chloride	5.289	84	10133	5.750	ug/l #	88
25) 2-Butanone	7.500	43	9234	7.428	ug/l	93
37) Ethyl Acetate	7.577	43	12647	4.239	ug/l	99
43) Isopropyl Acetate	8.694	43	7673	1.658	ug/l #	90

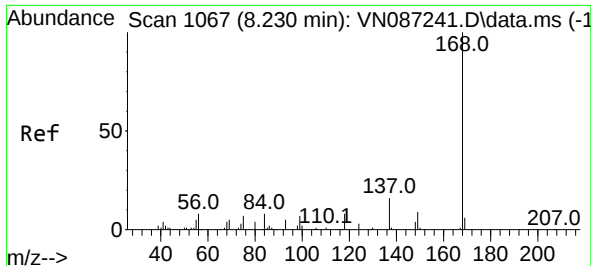
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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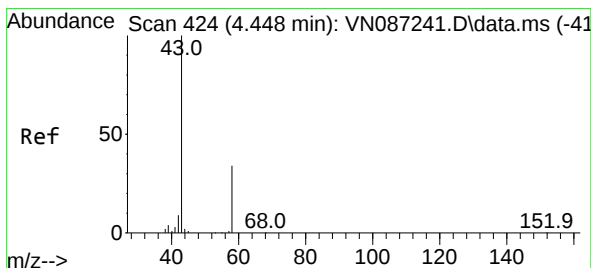
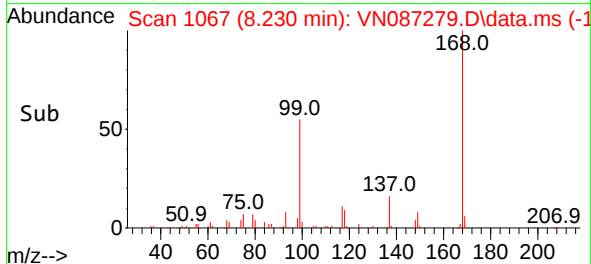
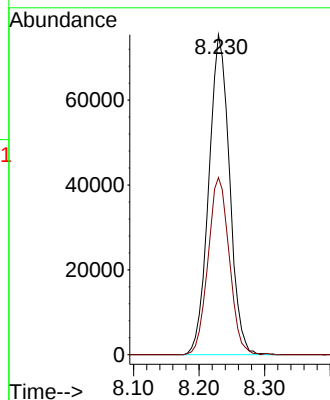
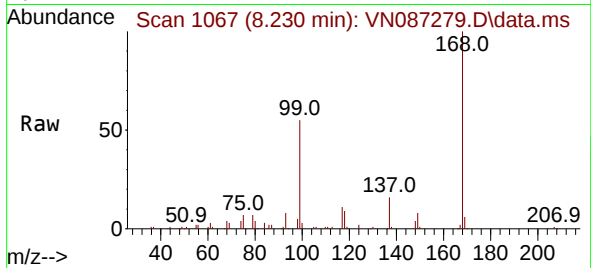




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

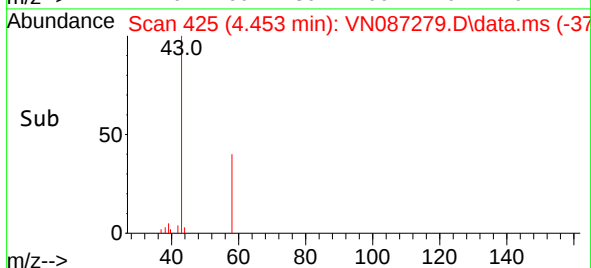
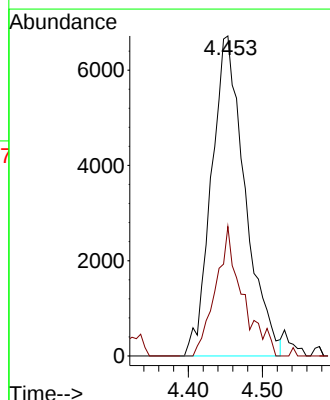
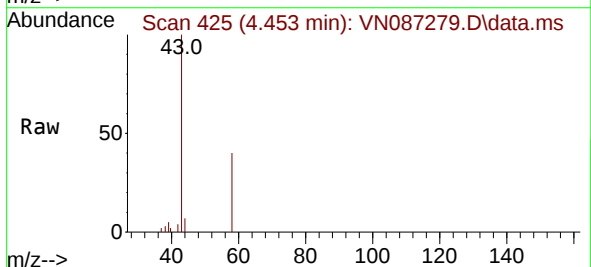
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

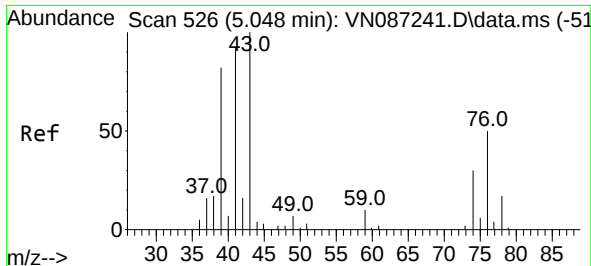
Tgt Ion:168 Resp: 165792
Ion Ratio Lower Upper
168 100
99 55.4 42.6 64.0



#16
Acetone
Concen: 26.604 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

Tgt Ion: 43 Resp: 21164
Ion Ratio Lower Upper
43 100
58 40.4 27.1 40.7

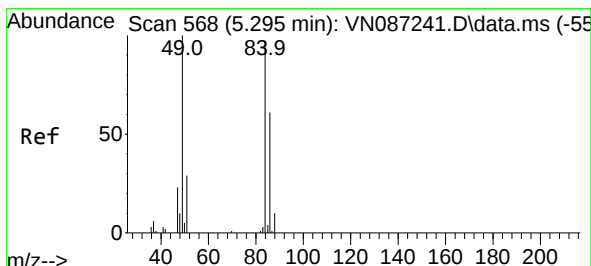
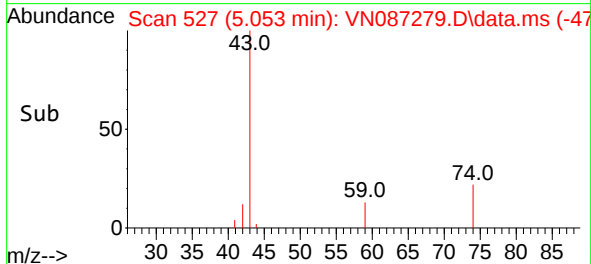
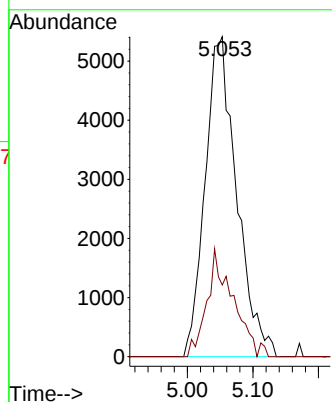
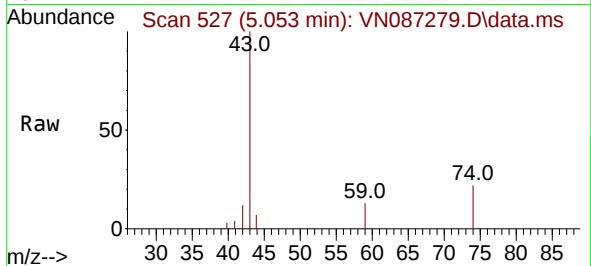




#18
Methyl Acetate
Concen: 9.931 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

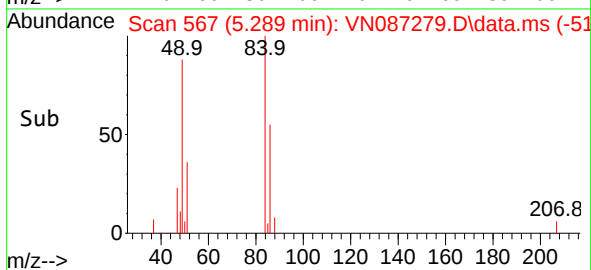
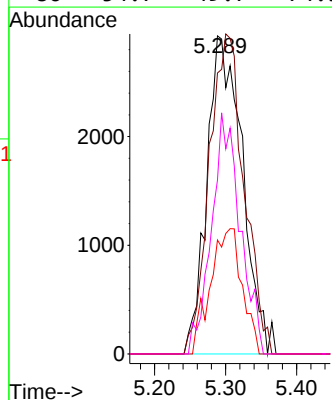
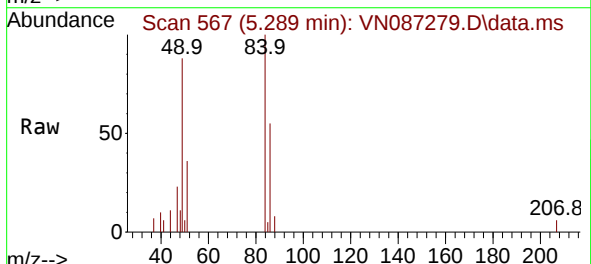
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

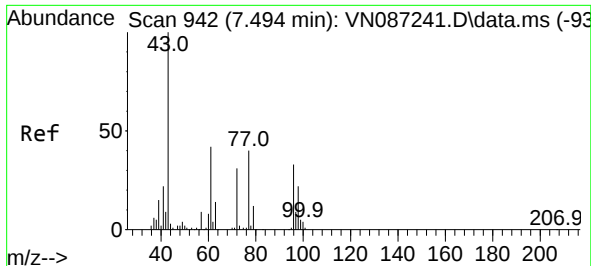
Tgt Ion: 43 Resp: 18086
Ion Ratio Lower Upper
43 100
74 27.3 23.8 35.6



#20
Methylene Chloride
Concen: 5.750 ug/l
RT: 5.289 min Scan# 567
Delta R.T. -0.006 min
Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

Tgt Ion: 84 Resp: 10133
Ion Ratio Lower Upper
84 100
49 88.3 82.1 123.1
51 35.8 23.5 35.3#
86 54.7 49.7 74.5

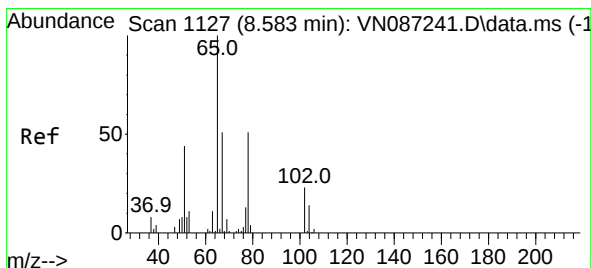
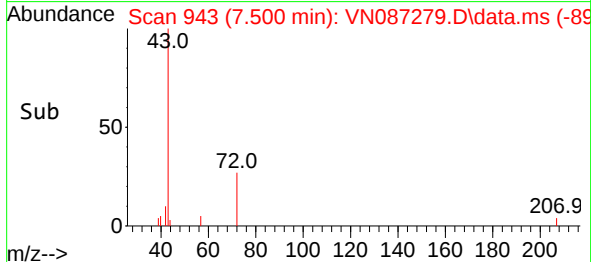
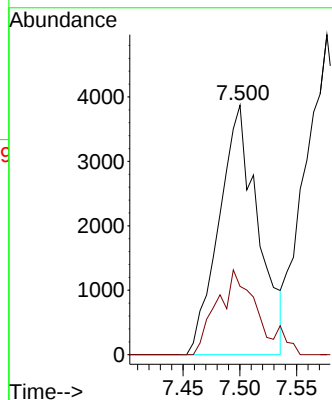
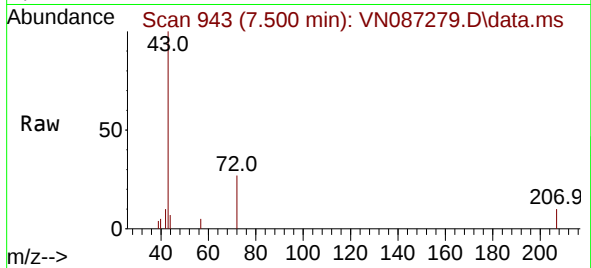




#25
2-Butanone
Concen: 7.428 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

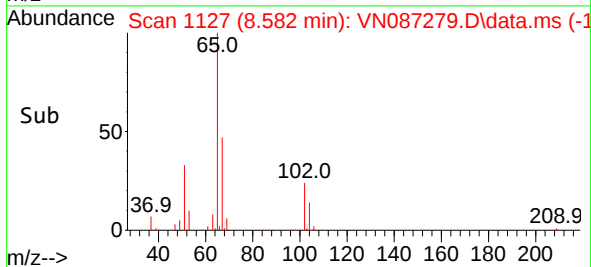
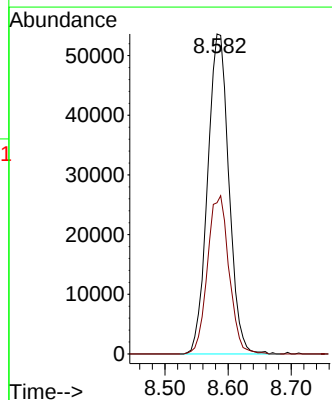
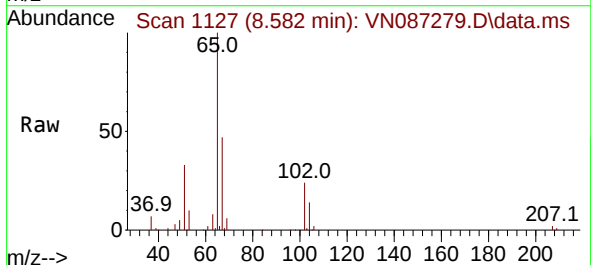
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

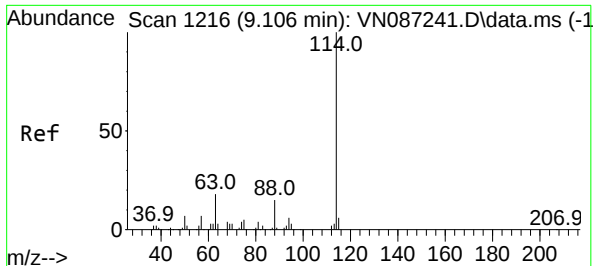
Tgt Ion: 43 Resp: 9234
Ion Ratio Lower Upper
43 100
72 27.4 24.8 37.2



#33
1,2-Dichloroethane-d4
Concen: 60.350 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

Tgt Ion: 65 Resp: 125576
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087279.D

Acq: 03 Jul 2025 17:56

Instrument :

MSVOA_N

ClientSampleId :

G3(3)

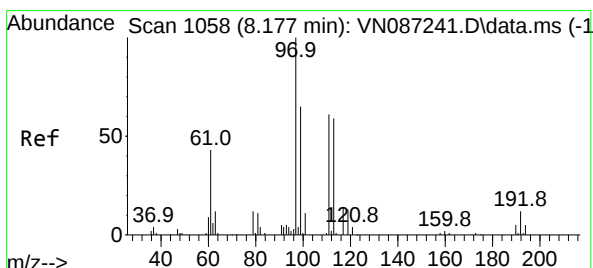
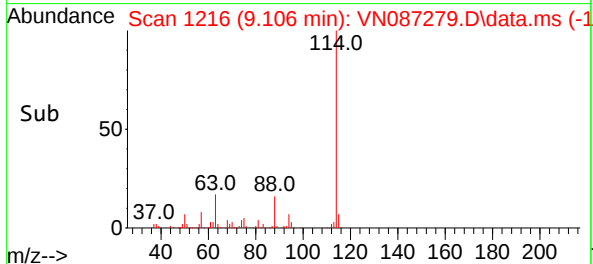
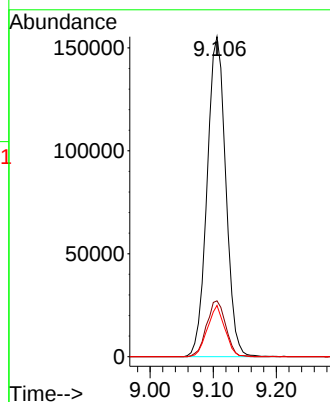
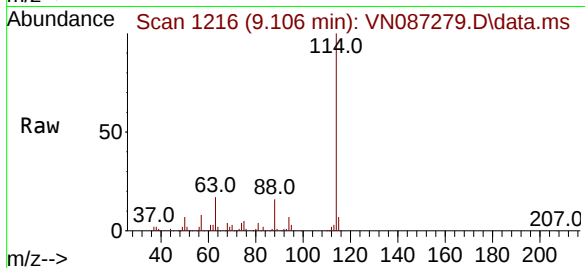
Tgt Ion:114 Resp: 318764

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

88 16.0 0.0 29.6



#35

Dibromofluoromethane

Concen: 53.975 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN087279.D

Acq: 03 Jul 2025 17:56

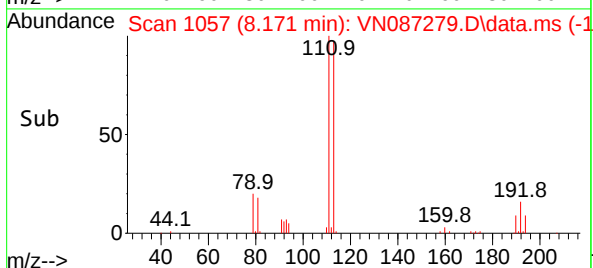
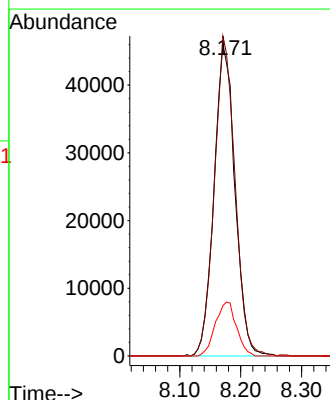
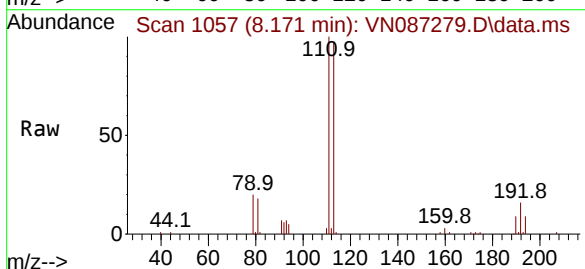
Tgt Ion:113 Resp: 110167

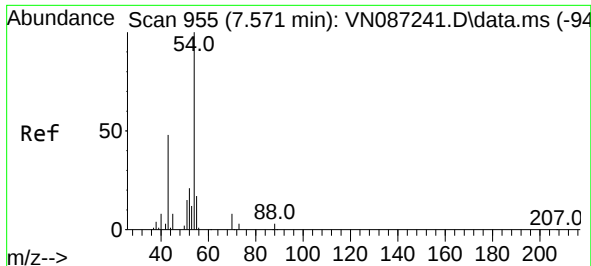
Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.2

192 17.4 15.1 22.7

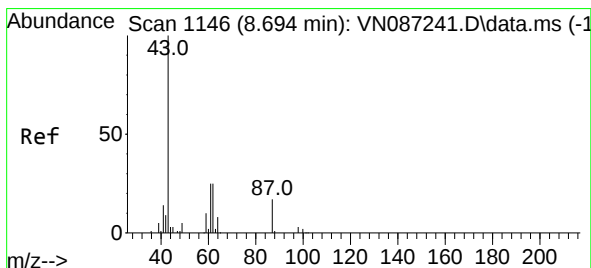
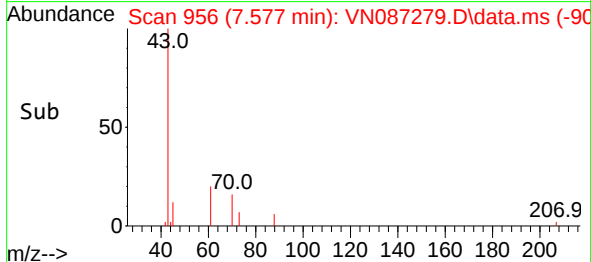
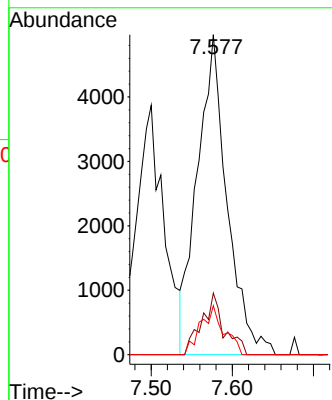
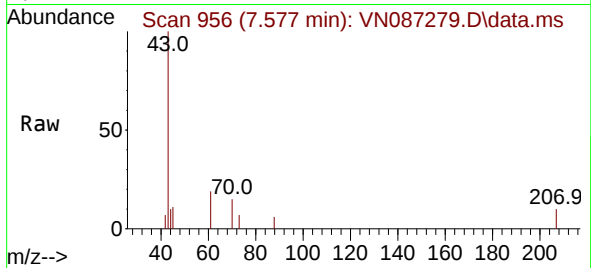




#37
Ethyl Acetate
Concen: 4.239 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

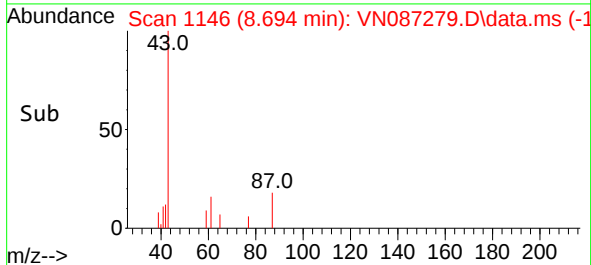
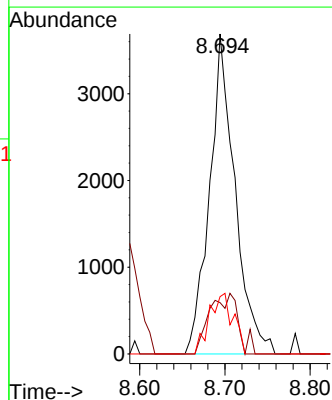
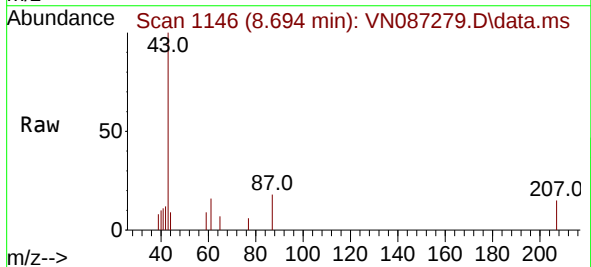
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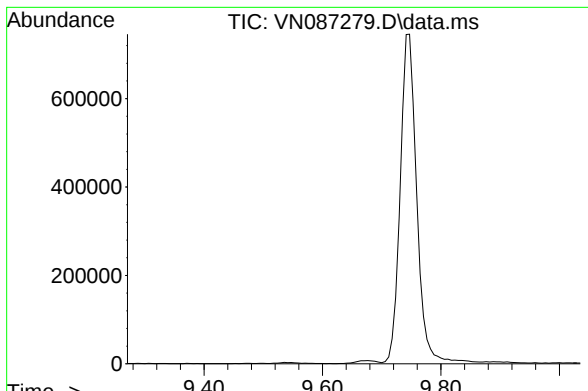
Tgt Ion: 43 Resp: 12647
Ion Ratio Lower Upper
43 100
61 14.5 11.3 16.9
70 12.0 9.9 14.9



#43
Isopropyl Acetate
Concen: 1.658 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

Tgt Ion: 43 Resp: 7673
Ion Ratio Lower Upper
43 100
61 21.3 22.4 33.6#
87 17.8 12.8 19.2



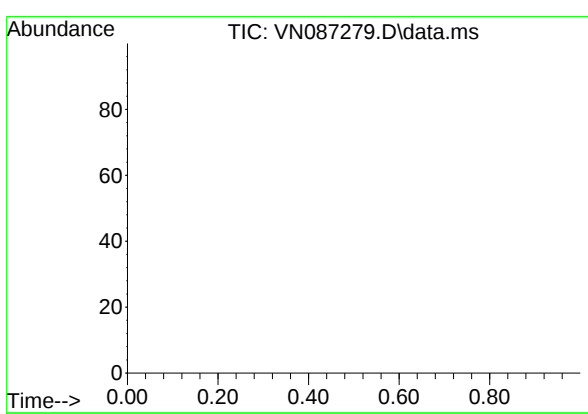
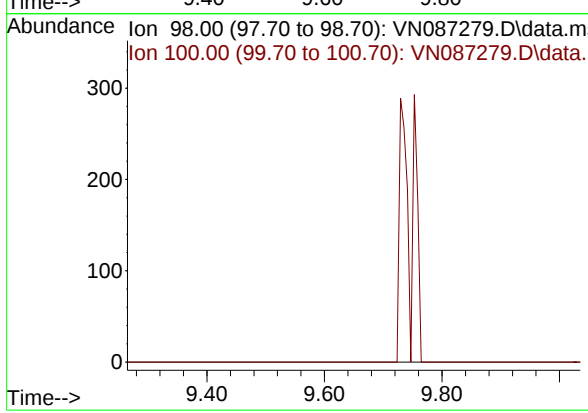


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.56 min

Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

Tgt Ion: 98
Sig Exp Ratio
98 100
100 65.1

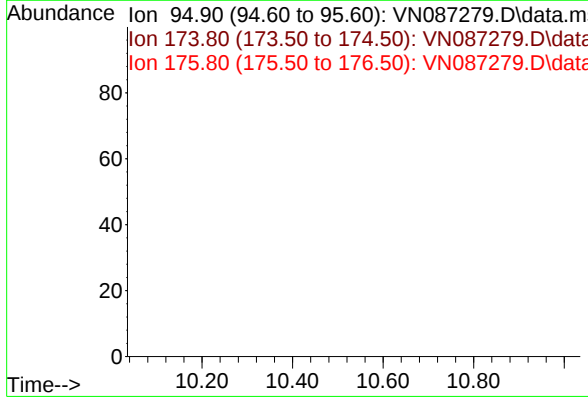
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

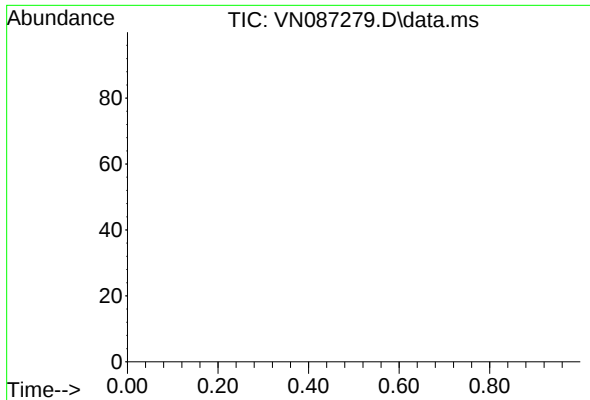


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.85 min

Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

Tgt Ion: 95
Sig Exp Ratio
95 100
174 84.8
176 80.8



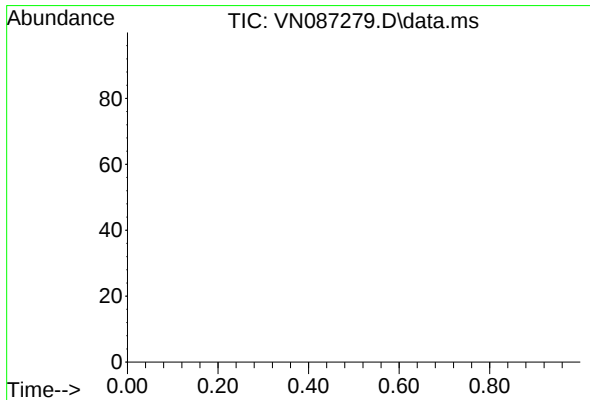
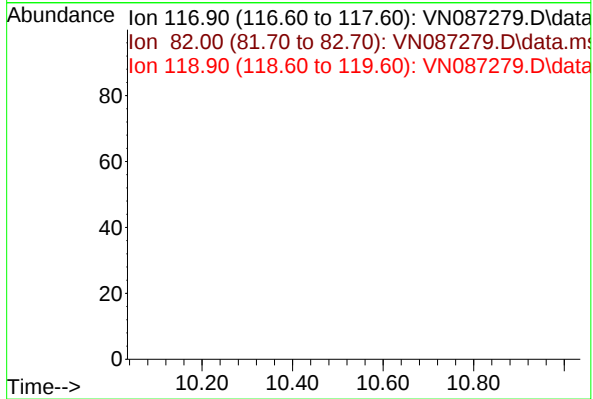


#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 11.86 min

Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

Instrument :
MSVOA_N
ClientSampleId :
G3(3)

Tgt Ion: 117
Sig Exp Ratio
117 100
82 52.4
119 32.8



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.79 min

Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

Tgt Ion: 152
Sig Exp Ratio
152 100
115 56.6
150 172.3

