

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087529.D
 Acq On : 13 Aug 2025 13:01
 Operator : JC\MD
 Sample : PB169213TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB169213TB

Quant Time: Aug 14 03:58:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

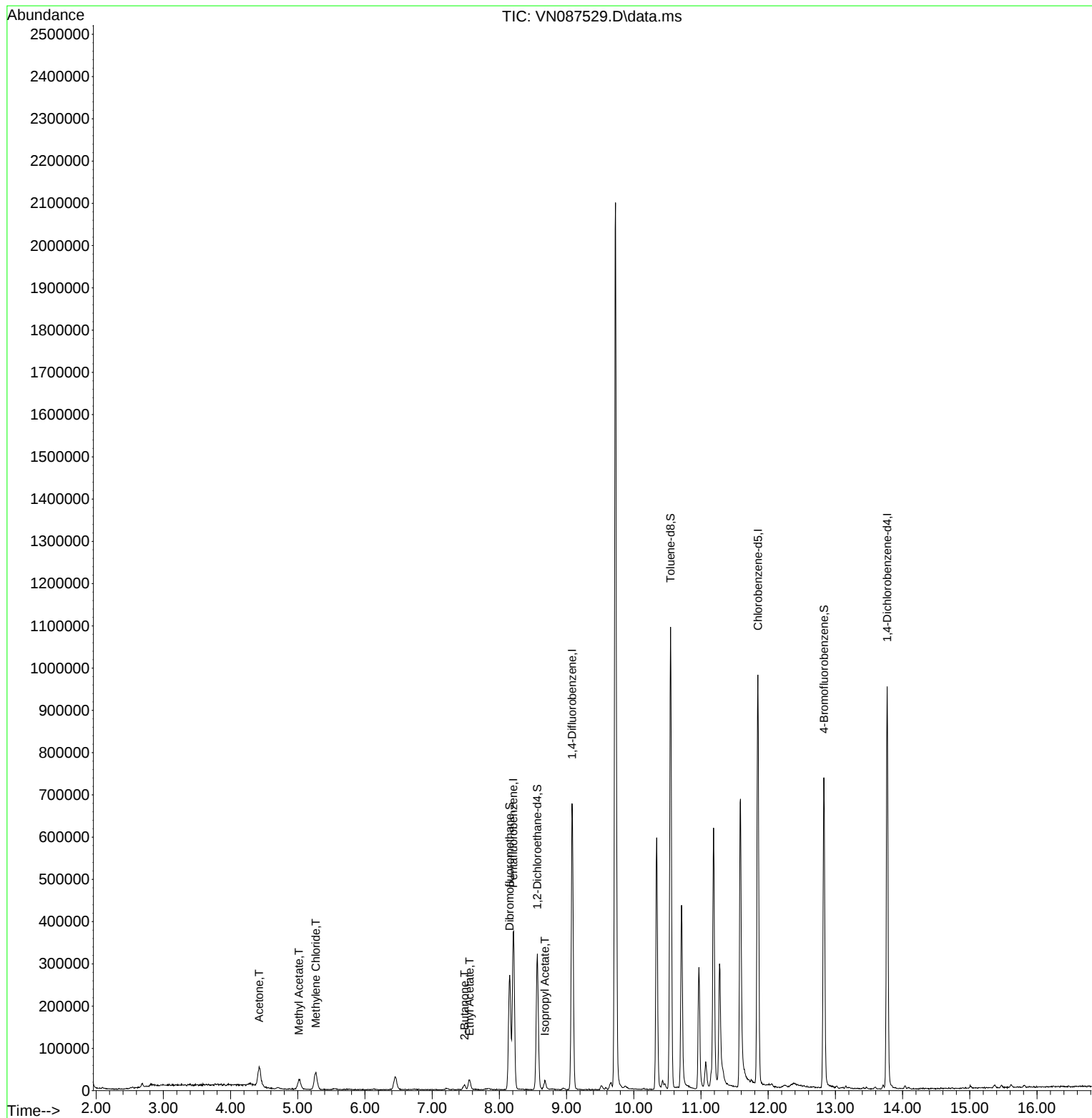
Internal Standards						
1) Pentafluorobenzene	8.206	168	246878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	552759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	514774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	238878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	266701	63.667	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 127.340%#		
35) Dibromofluoromethane	8.153	113	191019	50.098	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.200%		
50) Toluene-d8	10.547	98	712867	52.412	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.820%		
62) 4-Bromofluorobenzene	12.829	95	261604	52.061	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 104.120%		
Target Compounds						
						Qvalue
16) Acetone	4.424	43	85411	43.486	ug/l	95
18) Methyl Acetate	5.018	43	52497	10.639	ug/l	98
20) Methylene Chloride	5.271	84	30012	8.508	ug/l	98
25) 2-Butanone	7.483	43	17075	5.627	ug/l	96
37) Ethyl Acetate	7.559	43	39084m	5.372	ug/l	
43) Isopropyl Acetate	8.677	43	23504	2.081	ug/l #	89

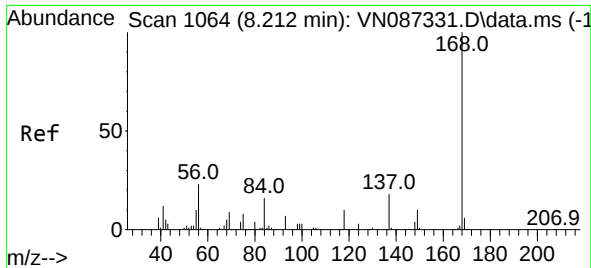
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087529.D
Acq On : 13 Aug 2025 13:01
Operator : JC\MD
Sample : PB169213TB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB169213TB

Quant Time: Aug 14 03:58:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

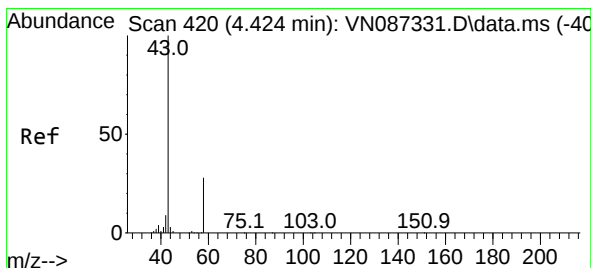
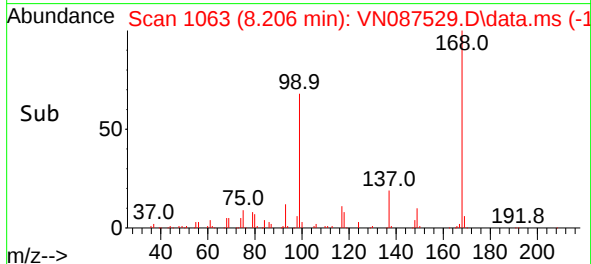
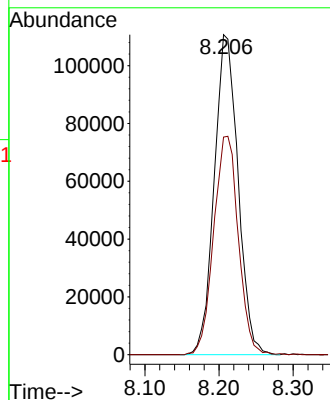
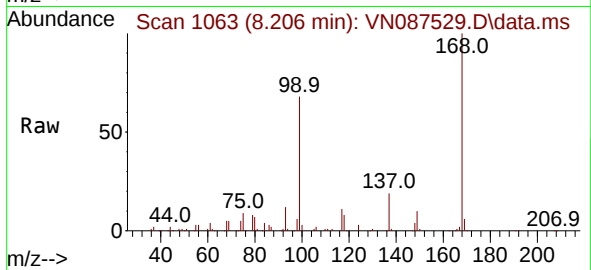




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

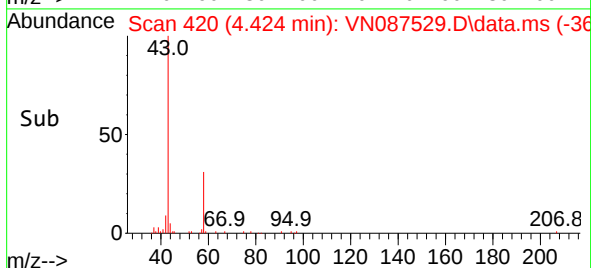
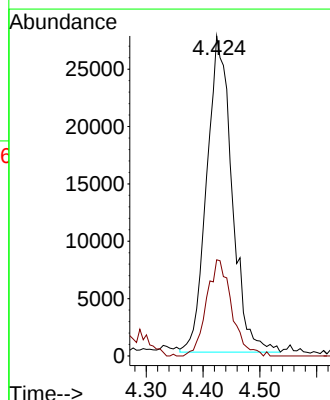
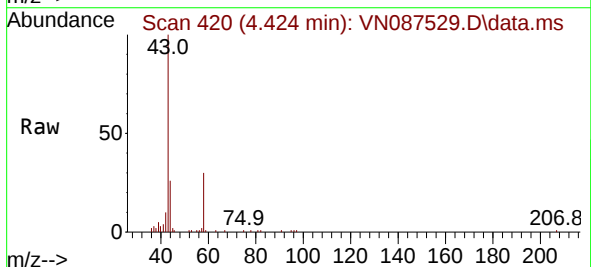
Instrument :
MSVOA_N
ClientSampleId :
PB169213TB

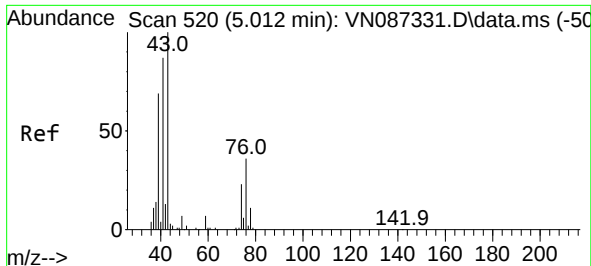
Tgt Ion:168 Resp: 246878
Ion Ratio Lower Upper
168 100
99 68.0 47.9 71.9



#16
Acetone
Concen: 43.486 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Tgt Ion: 43 Resp: 85411
Ion Ratio Lower Upper
43 100
58 30.4 22.3 33.5





#18

Methyl Acetate

Concen: 10.639 ug/l

RT: 5.018 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN087529.D

Acq: 13 Aug 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :

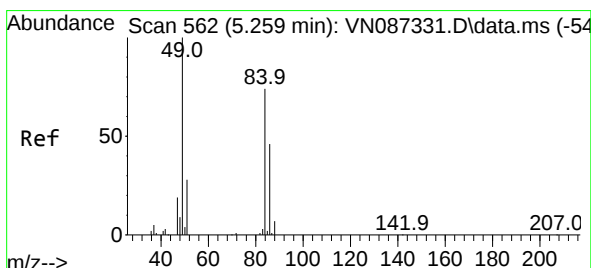
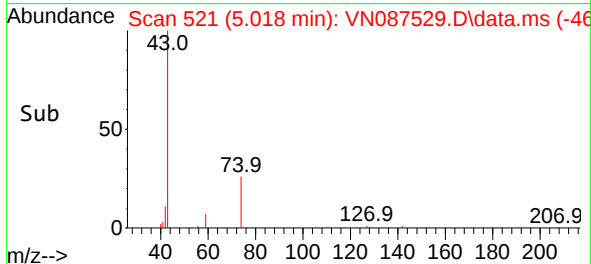
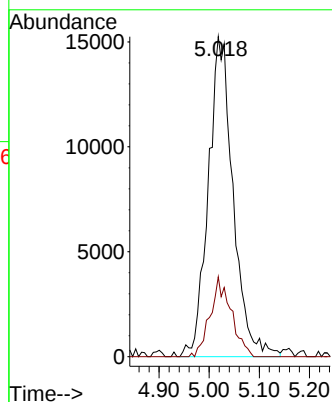
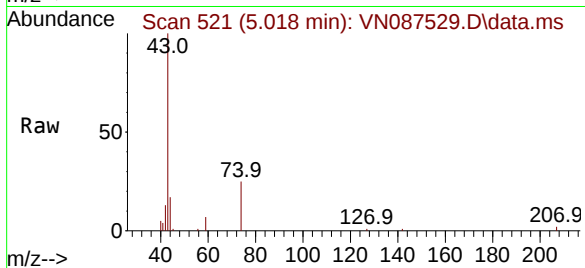
PB169213TB

Tgt Ion: 43 Resp: 52497

Ion Ratio Lower Upper

43 100

74 21.1 17.8 26.6



#20

Methylene Chloride

Concen: 8.508 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.012 min

Lab File: VN087529.D

Acq: 13 Aug 2025 13:01

Tgt Ion: 84 Resp: 30012

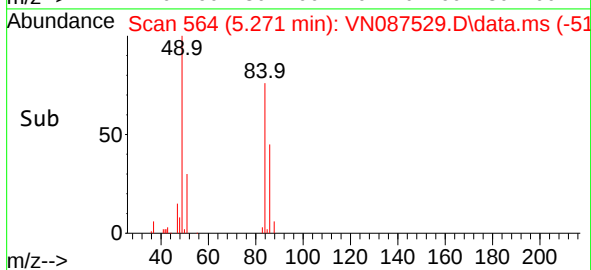
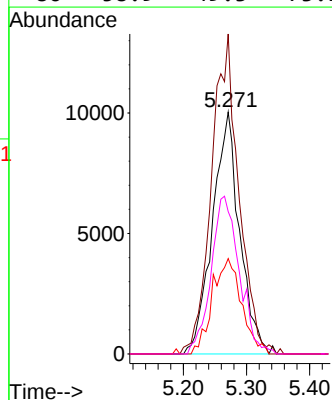
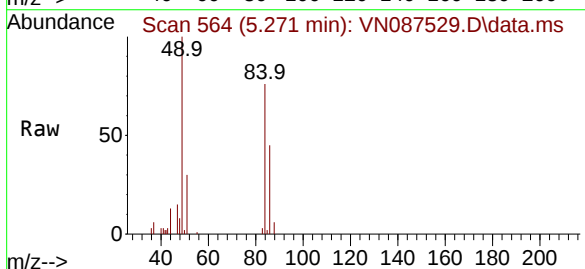
Ion Ratio Lower Upper

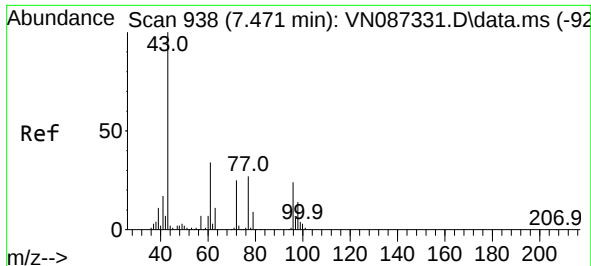
84 100

49 132.2 107.5 161.3

51 39.4 30.2 45.2

86 58.9 49.3 73.9

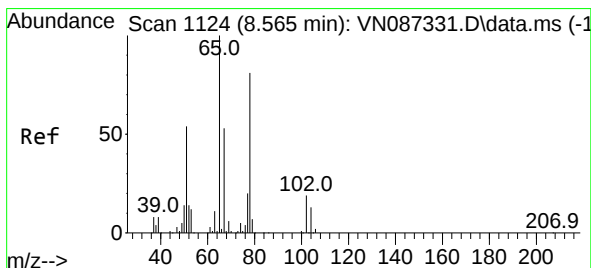
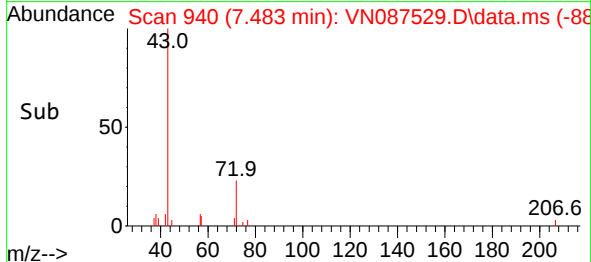
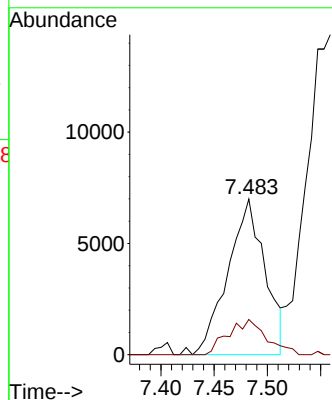
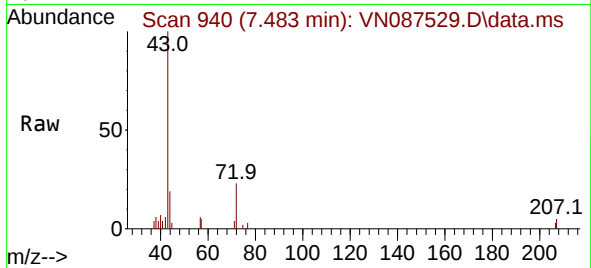




#25
2-Butanone
Concen: 5.627 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

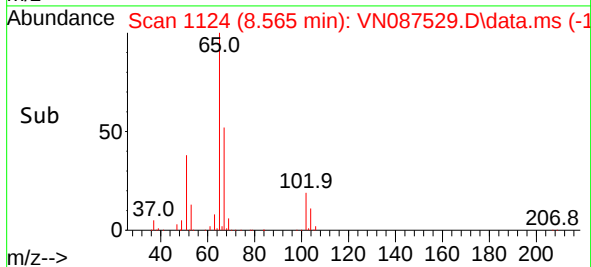
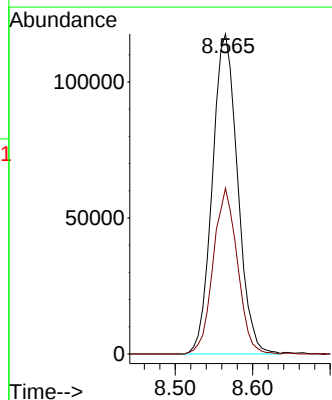
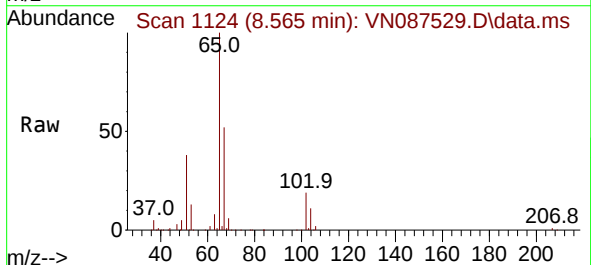
Instrument :
MSVOA_N
ClientSampleId :
PB169213TB

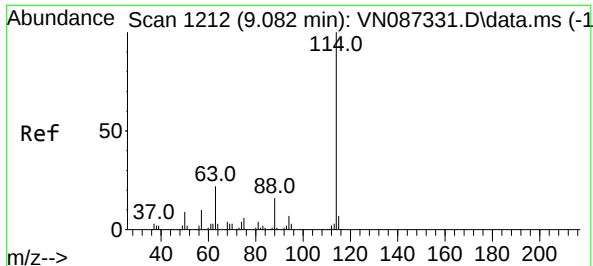
Tgt Ion: 43 Resp: 17075
Ion Ratio Lower Upper
43 100
72 22.6 19.6 29.4



#33
1,2-Dichloroethane-d4
Concen: 63.667 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Tgt Ion: 65 Resp: 266701
Ion Ratio Lower Upper
65 100
67 49.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087529.D

Acq: 13 Aug 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :

PB169213TB

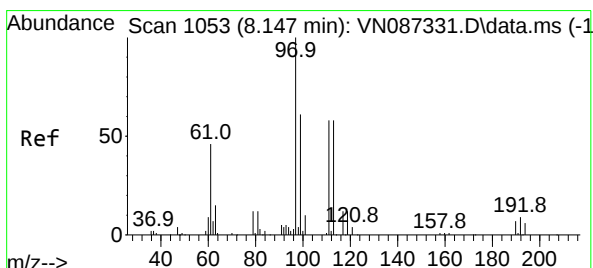
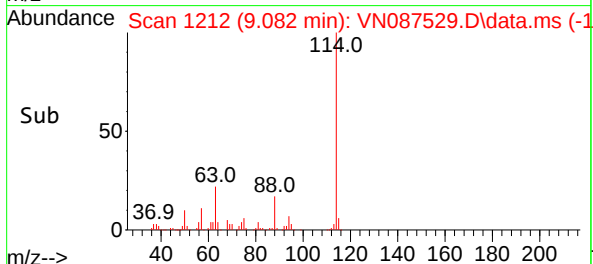
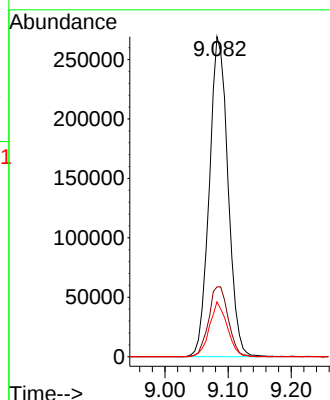
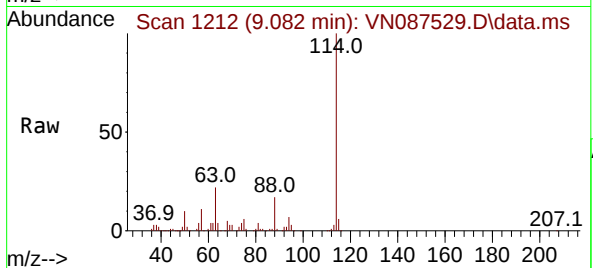
Tgt Ion:114 Resp: 552759

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.6

88 17.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.098 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087529.D

Acq: 13 Aug 2025 13:01

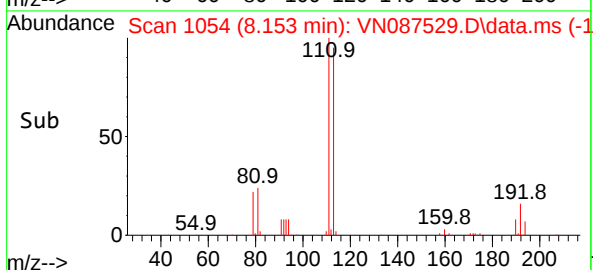
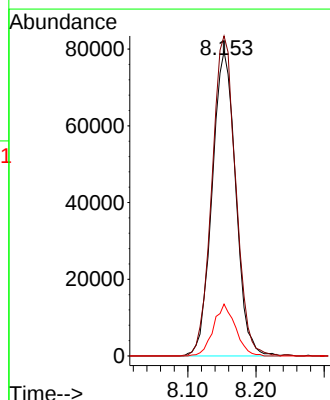
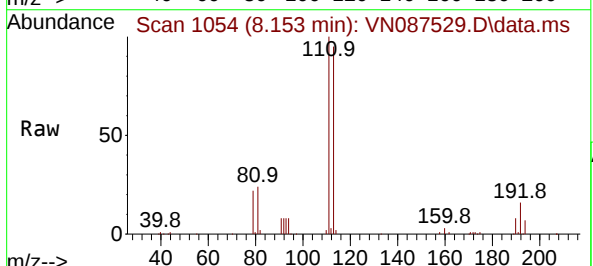
Tgt Ion:113 Resp: 191019

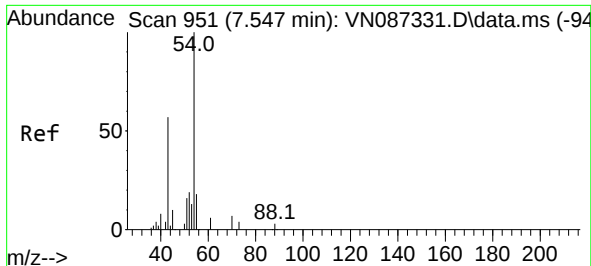
Ion Ratio Lower Upper

113 100

111 105.8 82.5 123.7

192 15.9 13.7 20.5

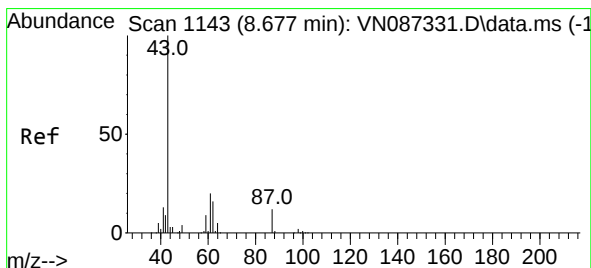
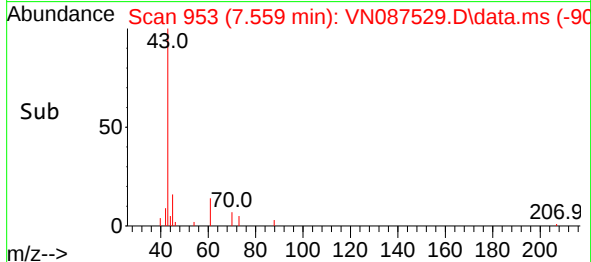
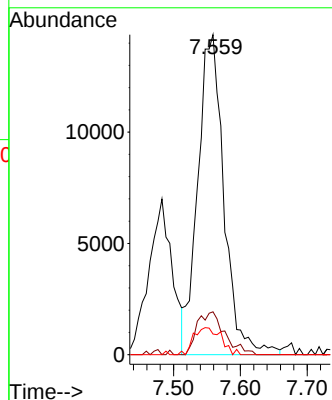
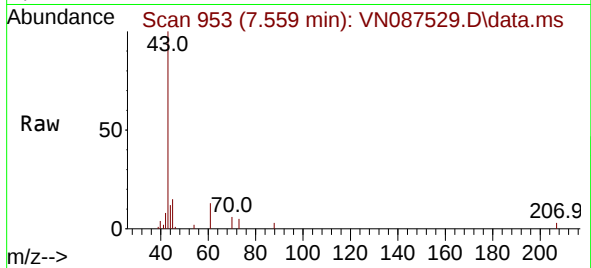




#37
Ethyl Acetate
Concen: 5.372 ug/l m
RT: 7.559 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

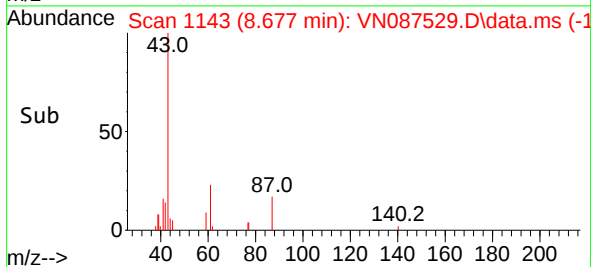
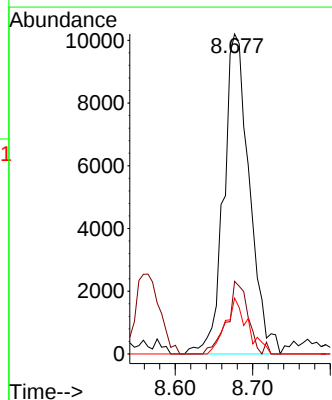
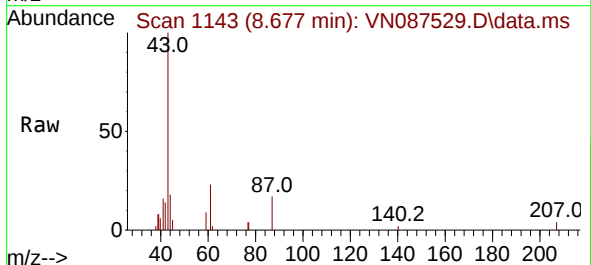
Instrument :
MSVOA_N
ClientSampleId :
PB169213TB

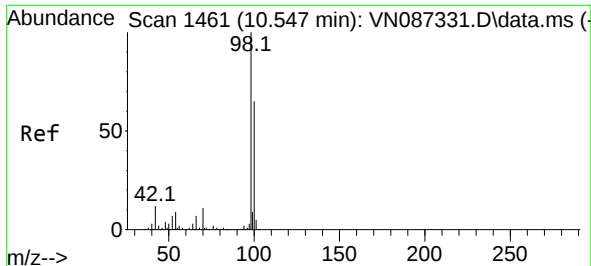
Tgt Ion: 43 Resp: 39084
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.4 11.0#



#43
Isopropyl Acetate
Concen: 2.081 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Tgt Ion: 43 Resp: 23504
Ion Ratio Lower Upper
43 100
61 18.2 19.8 29.8#
87 15.1 9.8 14.6#

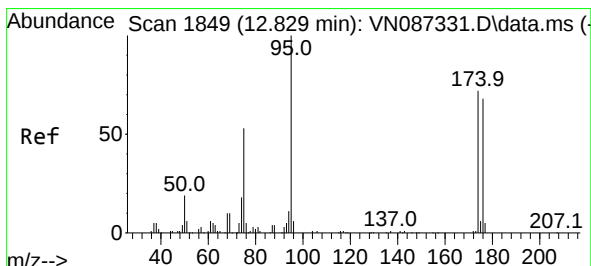
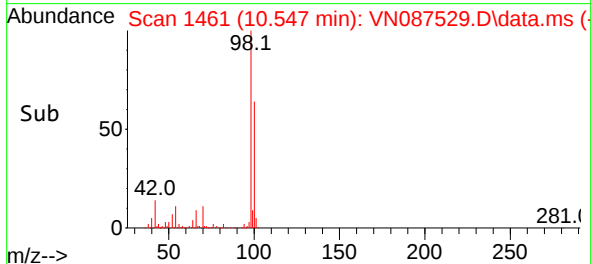
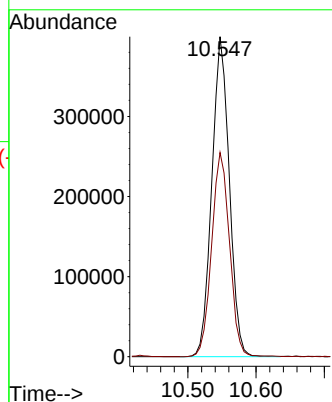
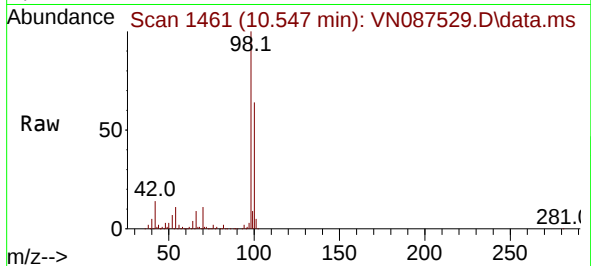




#50
Toluene-d8
Concen: 52.412 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

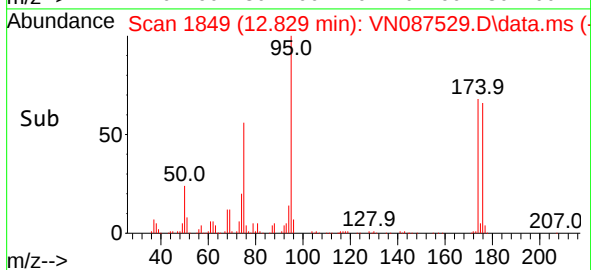
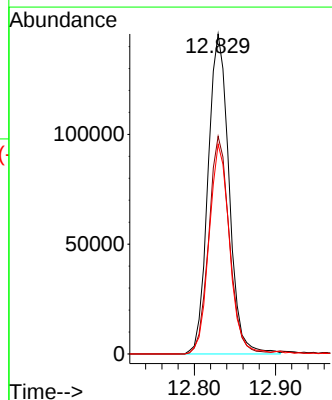
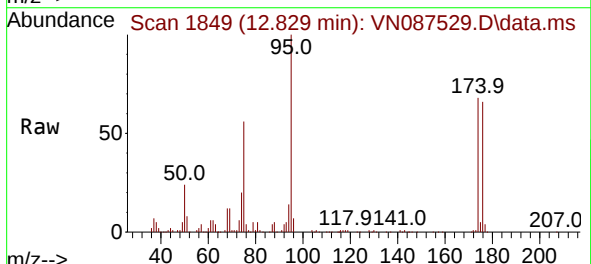
Instrument :
MSVOA_N
ClientSampleId :
PB169213TB

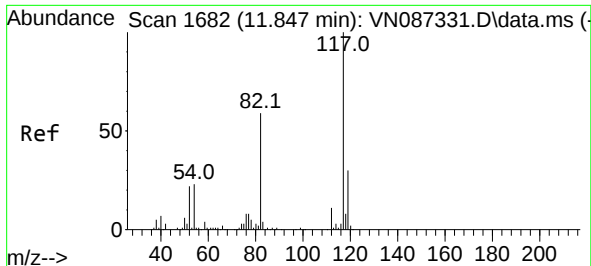
Tgt Ion: 98 Resp: 712867
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 52.061 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Tgt Ion: 95 Resp: 261604
Ion Ratio Lower Upper
95 100
174 66.9 0.0 149.4
176 64.1 0.0 141.2

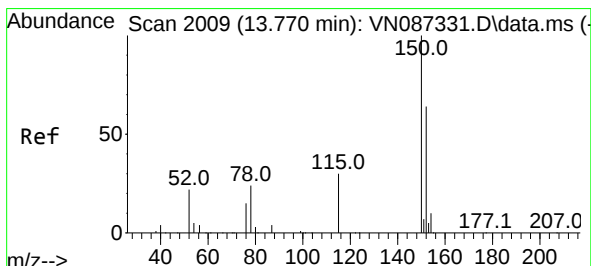
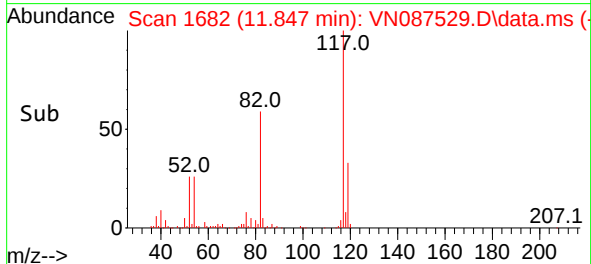
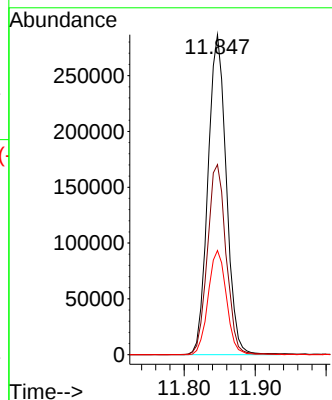
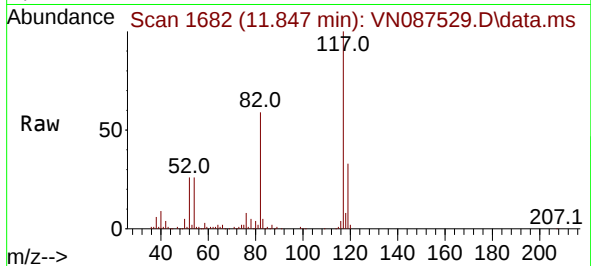




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :
PB169213TB

Tgt Ion:117 Resp: 514774
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.2
119 32.5 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Tgt Ion:152 Resp: 238878
Ion Ratio Lower Upper
152 100
115 65.4 31.1 93.5
150 155.2 0.0 349.0

