

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
 Data File : VN088300.D
 Acq On : 17 Nov 2025 13:39
 Operator : JC\MD
 Sample : PB170545TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB170545TB

Quant Time: Nov 18 03:00:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

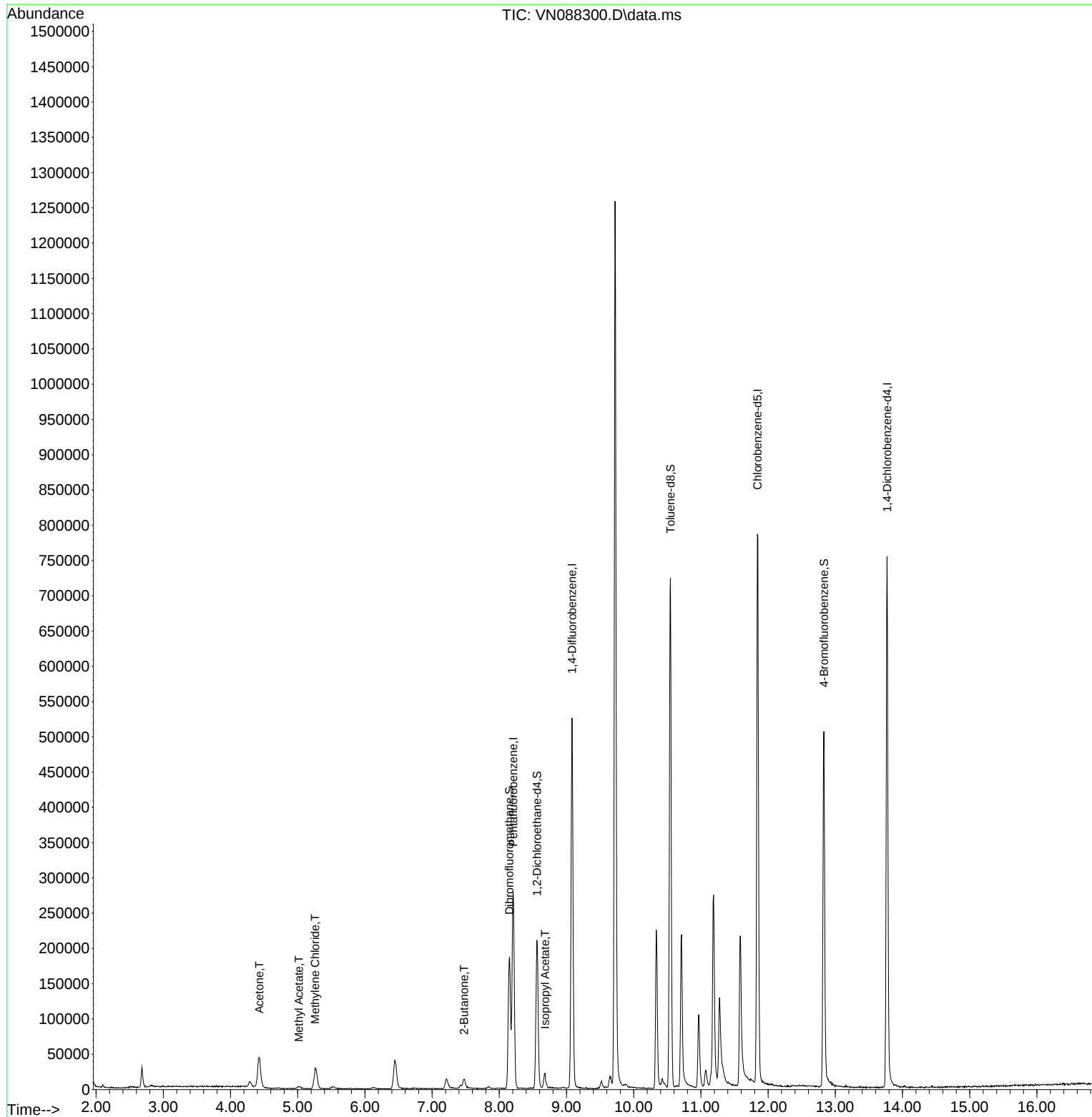
Internal Standards						
1) Pentafluorobenzene	8.206	168	189375	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	423748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	429317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	200810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	173198	52.890	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 105.780%		
35) Dibromofluoromethane	8.147	113	136297	47.878	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 95.760%		
50) Toluene-d8	10.547	98	494574	45.088	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 90.180%		
62) 4-Bromofluorobenzene	12.829	95	180965	46.714	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 93.420%		
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	88553	53.826	ug/l	95
18) Methyl Acetate	5.018	43	6964	2.068	ug/l #	76
20) Methylene Chloride	5.259	84	22297	8.074	ug/l	94
25) 2-Butanone	7.477	43	23603	10.887	ug/l	93
43) Isopropyl Acetate	8.682	43	24376	2.957	ug/l	93

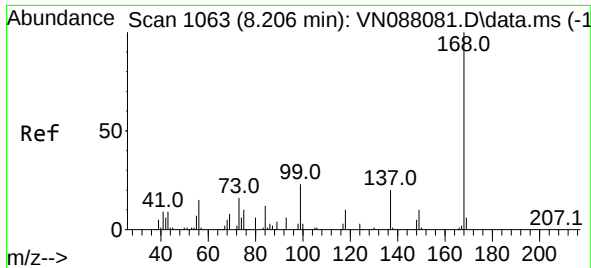
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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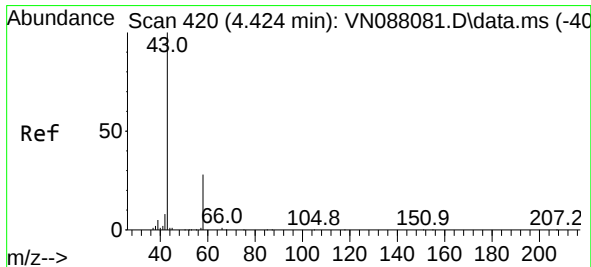
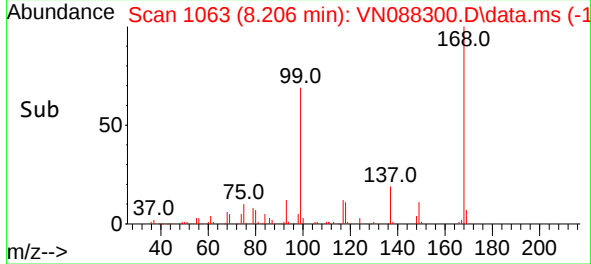
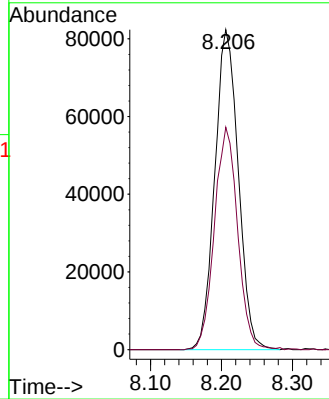
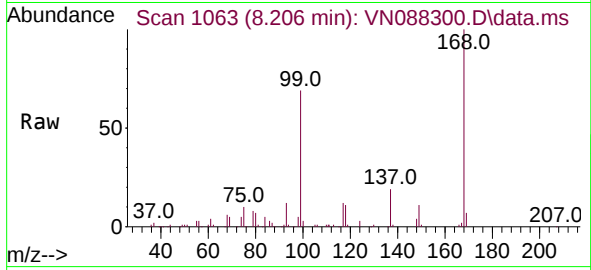




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

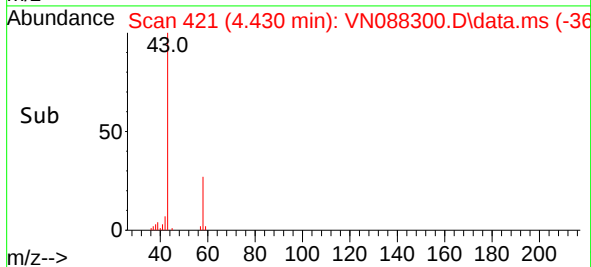
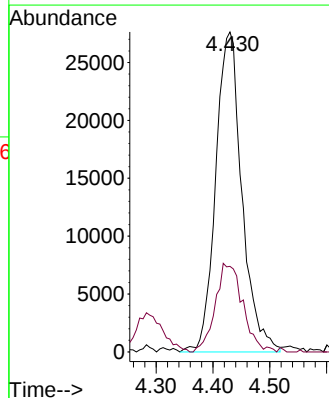
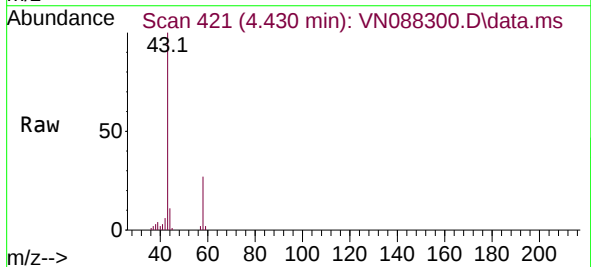
Instrument :
MSVOA_N
ClientSampleId :
PB170545TB

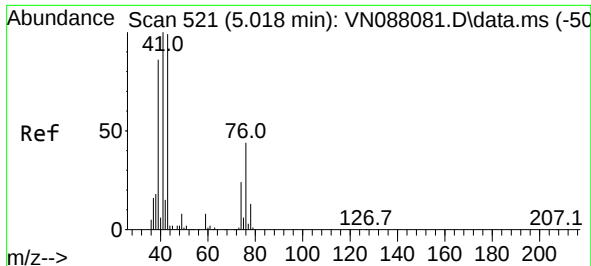
Tgt Ion:168 Resp: 189375
Ion Ratio Lower Upper
168 100
99 69.5 57.2 85.8



#16
Acetone
Concen: 53.826 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

Tgt Ion: 43 Resp: 88553
Ion Ratio Lower Upper
43 100
58 25.4 22.6 33.8





#18

Methyl Acetate

Concen: 2.068 ug/l

RT: 5.018 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN088300.D

Acq: 17 Nov 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

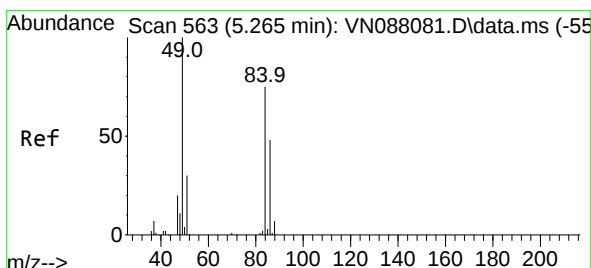
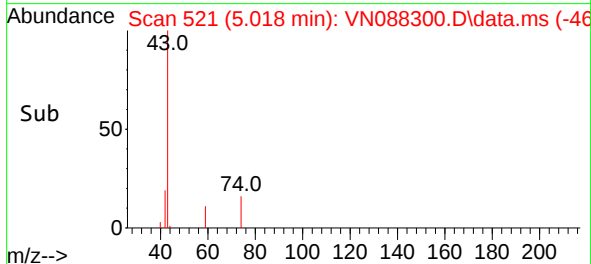
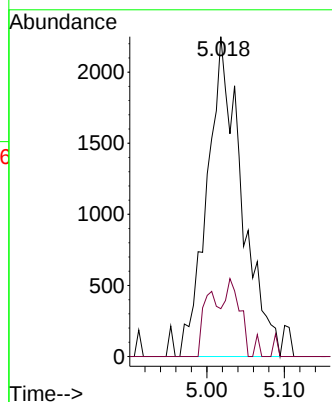
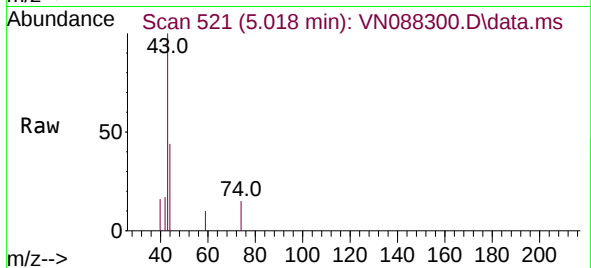
PB170545TB

Tgt Ion: 43 Resp: 6964

Ion Ratio Lower Upper

43 100

74 10.4 17.6 26.4#



#20

Methylene Chloride

Concen: 8.074 ug/l

RT: 5.259 min Scan# 562

Delta R.T. -0.006 min

Lab File: VN088300.D

Acq: 17 Nov 2025 13:39

Tgt Ion: 84 Resp: 22297

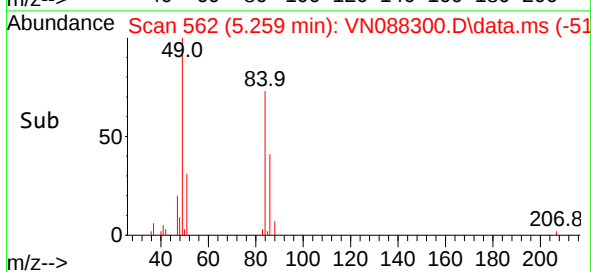
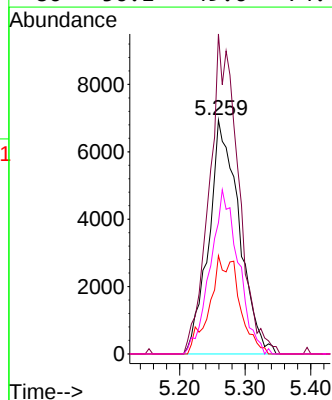
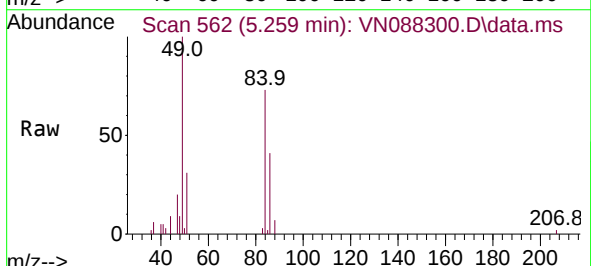
Ion Ratio Lower Upper

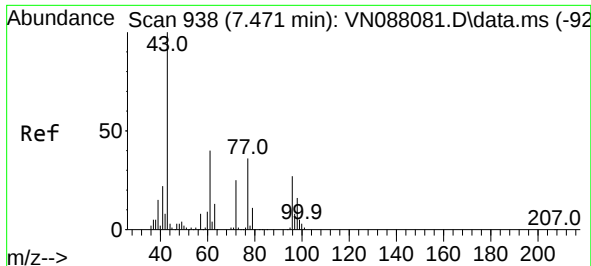
84 100

49 136.9 103.4 155.2

51 42.0 33.8 50.8

86 56.1 49.6 74.4

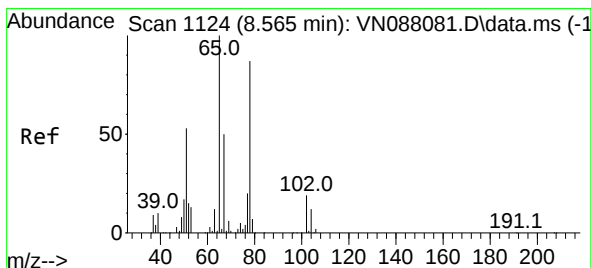
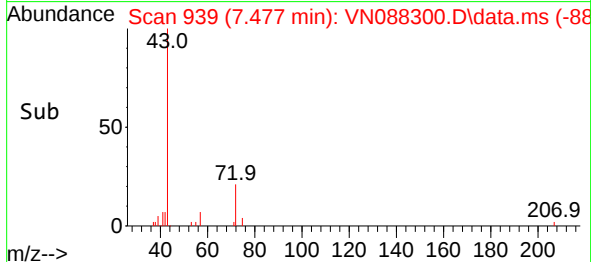
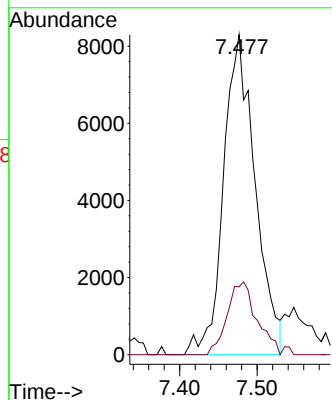
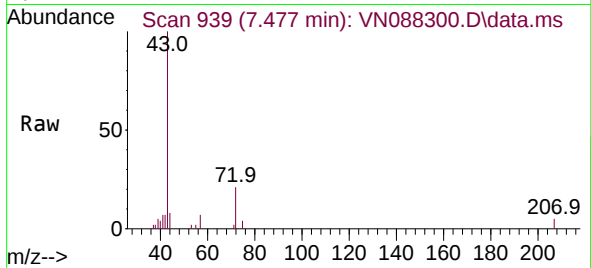




#25
2-Butanone
Concen: 10.887 ug/l
RT: 7.477 min Scan# 938
Delta R.T. 0.012 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

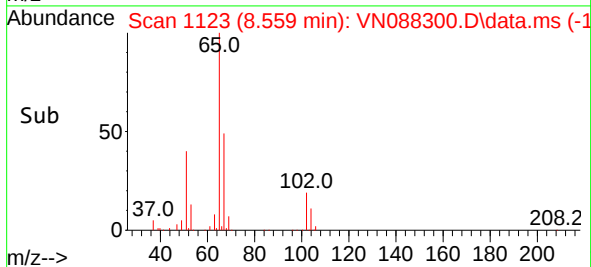
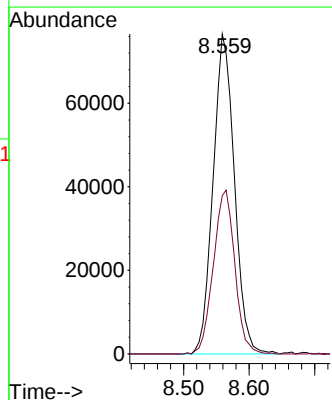
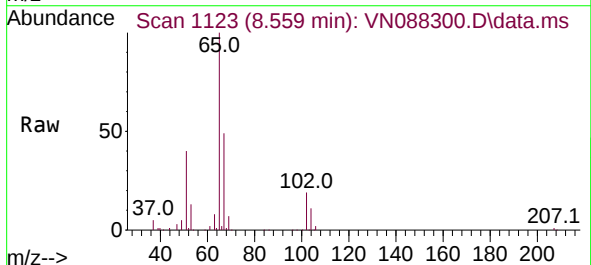
Instrument :
MSVOA_N
ClientSampleId :
PB170545TB

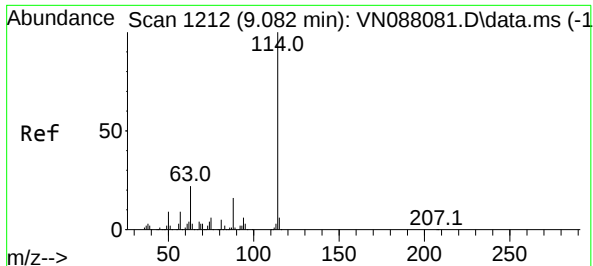
Tgt Ion: 43 Resp: 23603
Ion Ratio Lower Upper
43 100
72 21.2 19.9 29.9



#33
1,2-Dichloroethane-d4
Concen: 52.890 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

Tgt Ion: 65 Resp: 173198
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088300.D

Acq: 17 Nov 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

PB170545TB

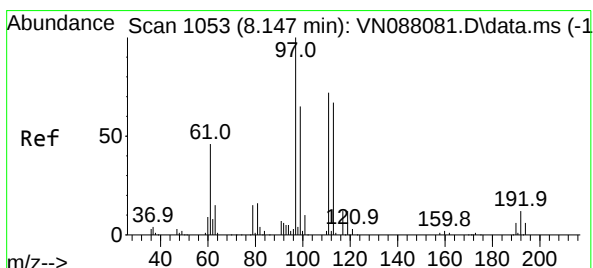
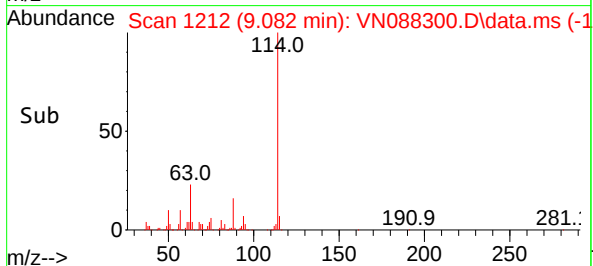
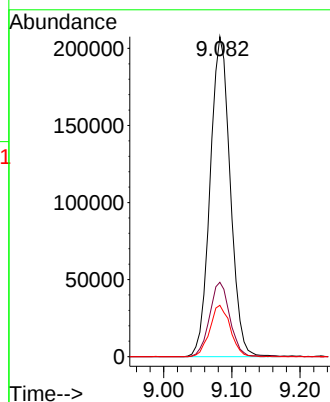
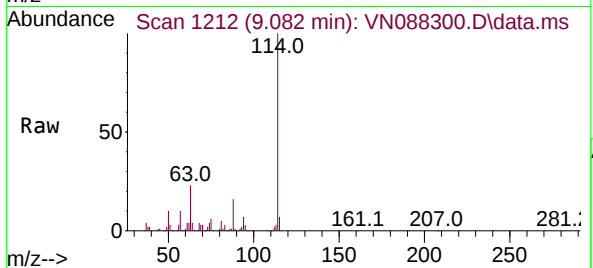
Tgt Ion:114 Resp: 423748

Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.2

88 16.0 0.0 33.4



#35

Dibromofluoromethane

Concen: 47.878 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088300.D

Acq: 17 Nov 2025 13:39

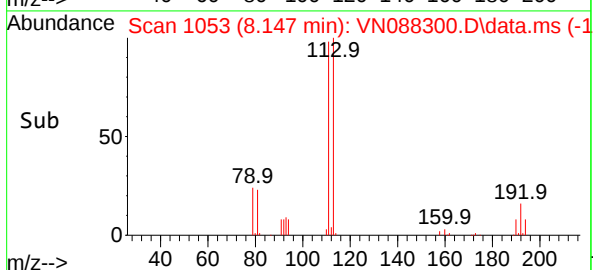
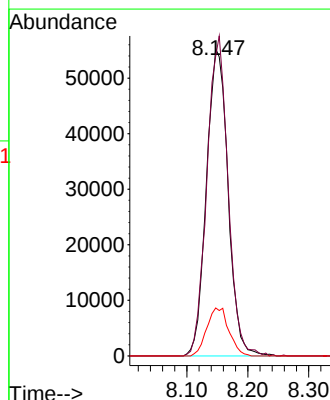
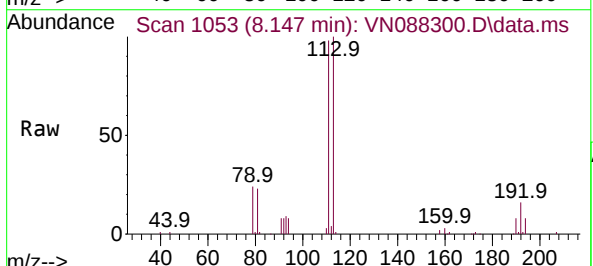
Tgt Ion:113 Resp: 136297

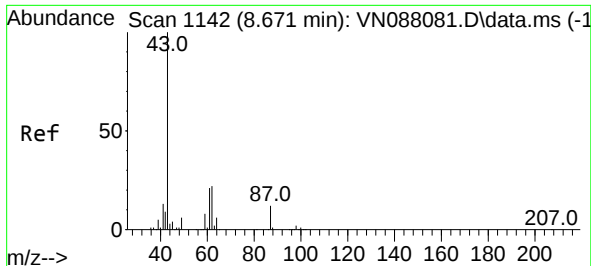
Ion Ratio Lower Upper

113 100

111 102.0 82.8 124.2

192 15.9 12.8 19.2

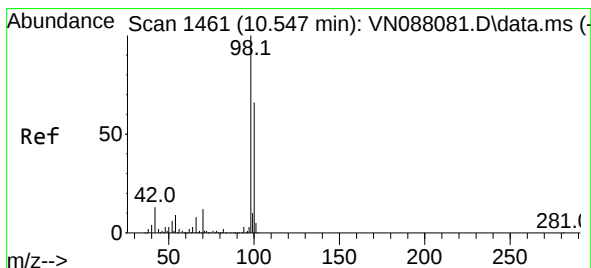
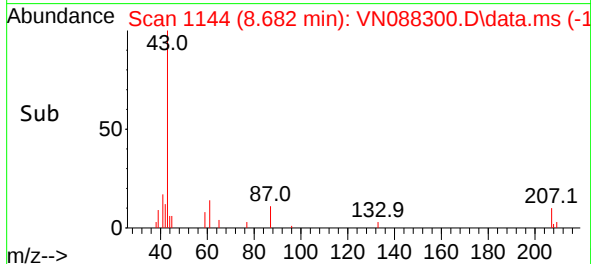
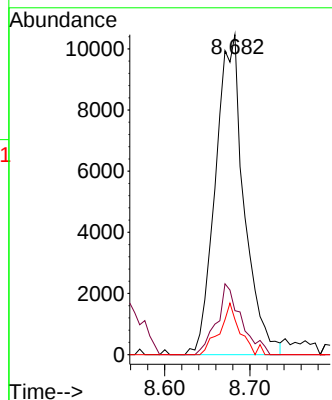
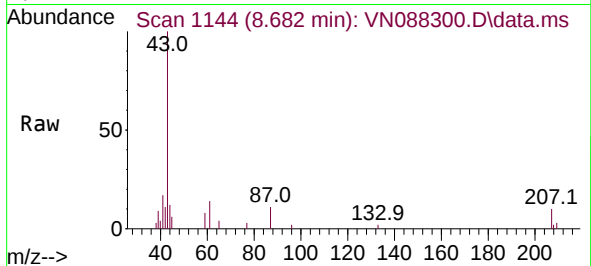




#43
Isopropyl Acetate
Concen: 2.957 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

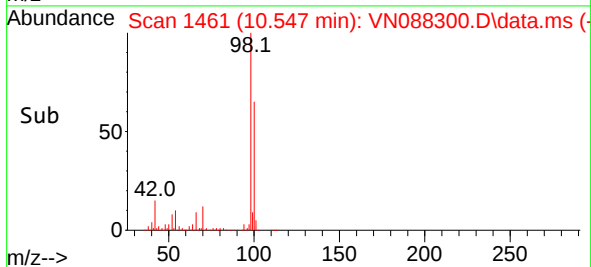
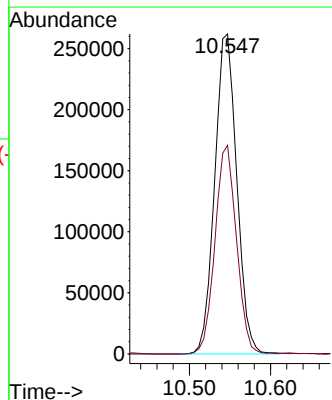
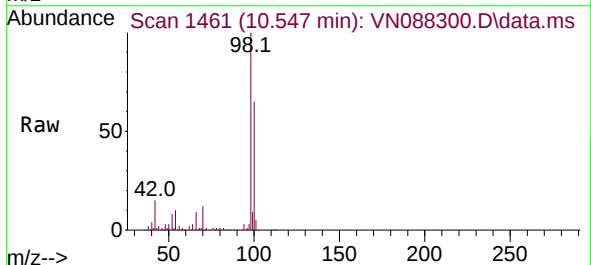
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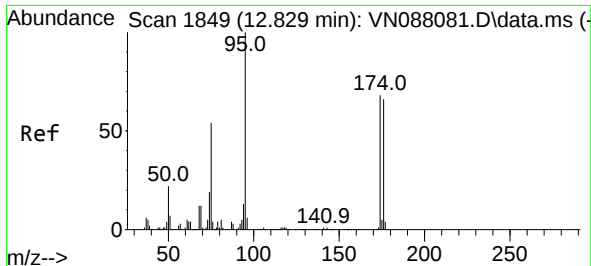
Tgt Ion: 43 Resp: 24376
Ion Ratio Lower Upper
43 100
61 18.9 18.8 28.2
87 11.4 9.6 14.4



#50
Toluene-d8
Concen: 45.088 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

Tgt Ion: 98 Resp: 494574
Ion Ratio Lower Upper
98 100
100 63.5 52.8 79.2

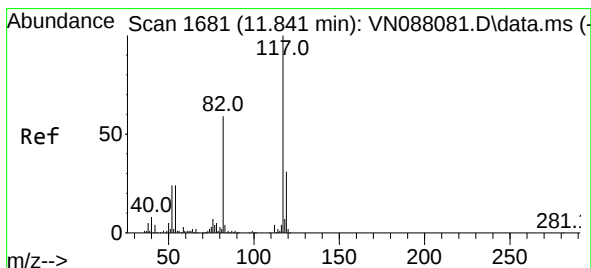
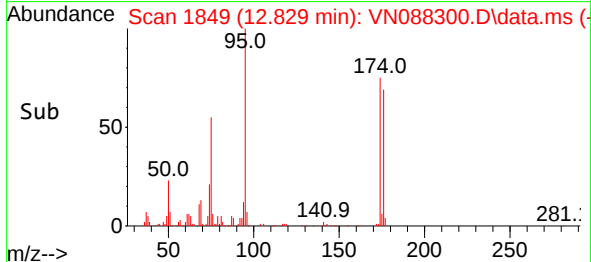
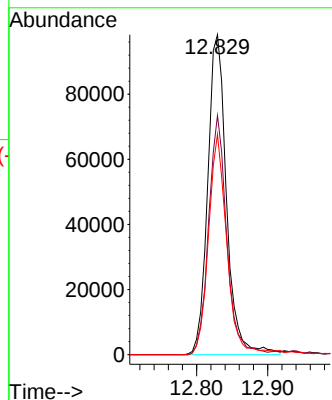
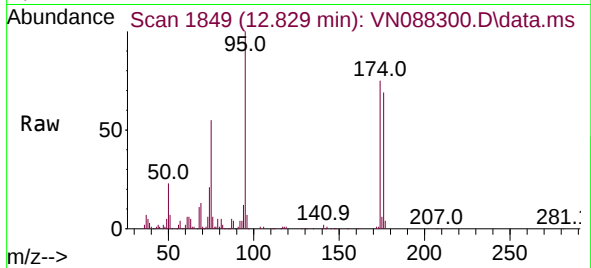




#62
4-Bromofluorobenzene
Concen: 46.714 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

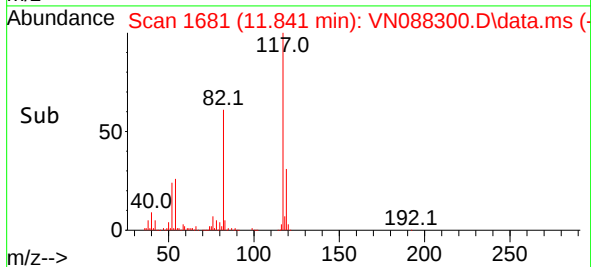
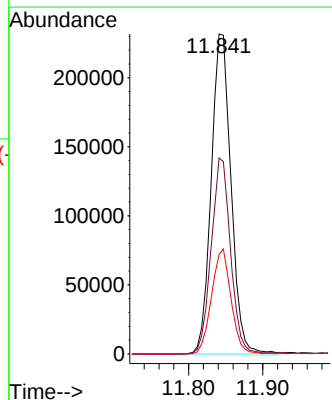
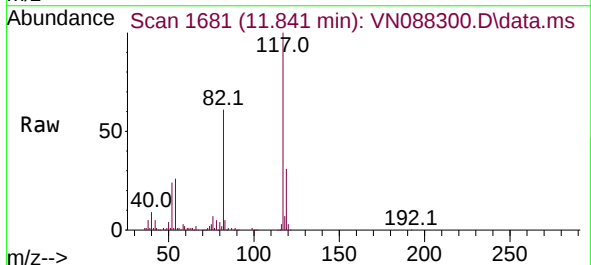
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ClientSampleId :
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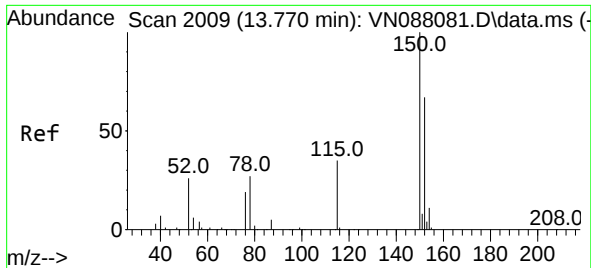
Tgt Ion: 95 Resp: 180965
Ion Ratio Lower Upper
95 100
174 71.9 0.0 138.4
176 67.4 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

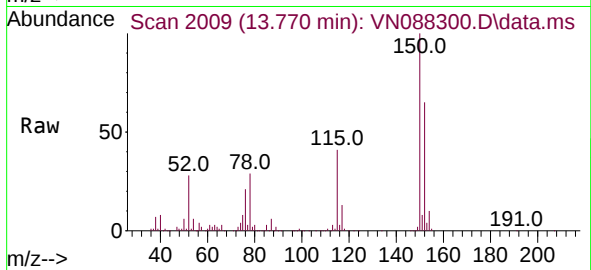
Tgt Ion: 117 Resp: 429317
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 31.1 24.3 36.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN088300.D
 Acq: 17 Nov 2025 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 PB170545TB



Tgt Ion:152 Resp: 200810
 Ion Ratio Lower Upper
 152 100
 115 64.6 32.3 96.8
 150 158.9 0.0 351.0

