

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082525\
 Data File : VN087660.D
 Acq On : 25 Aug 2025 16:04
 Operator : JC\MD
 Sample : PB169356TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB169356TB

Quant Time: Aug 26 01:37:58 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)

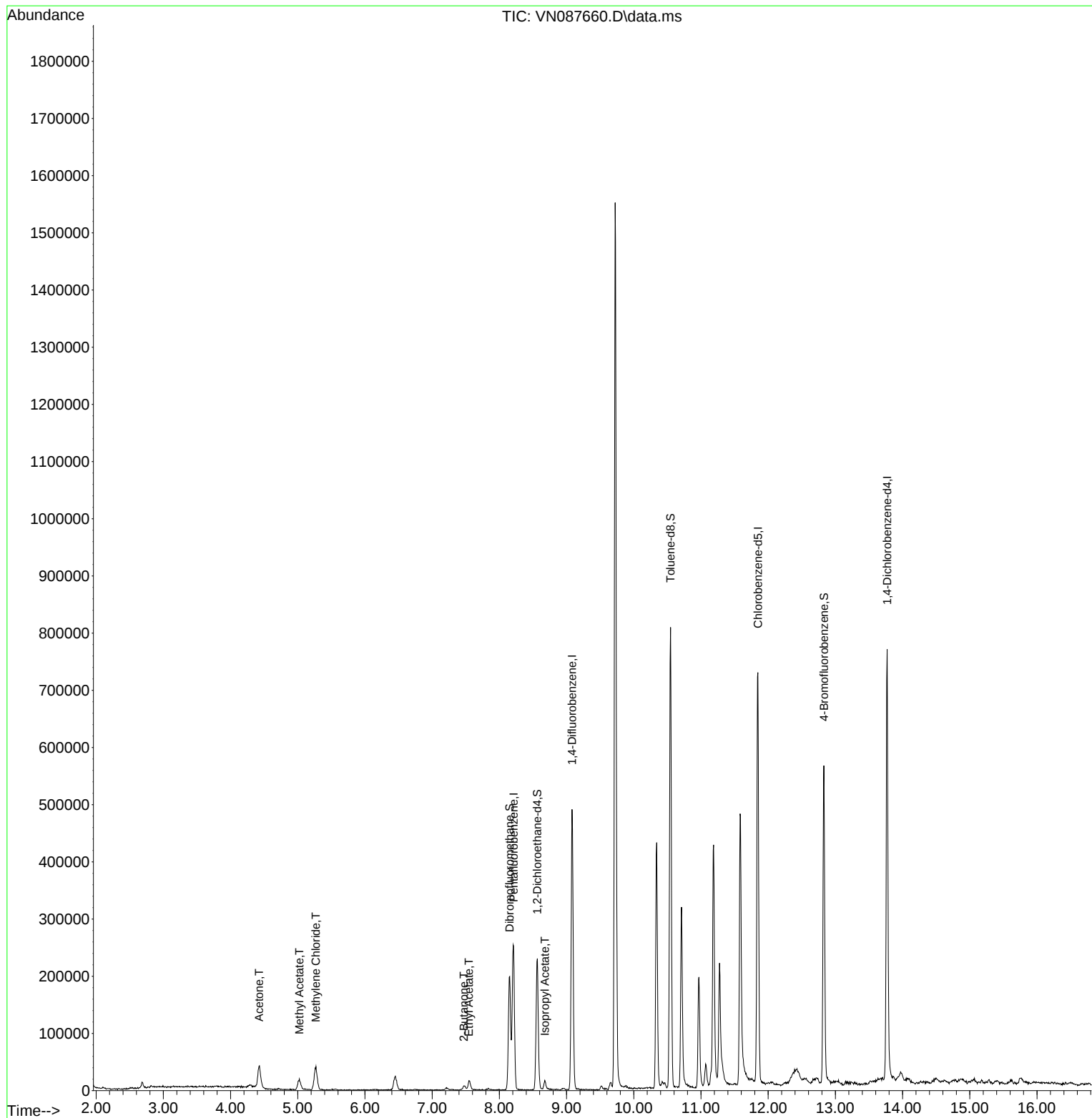
Internal Standards						
1) Pentafluorobenzene	8.212	168	173884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	404163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	391591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	182807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	186693	52.402	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 104.800%		
35) Dibromofluoromethane	8.153	113	138980	47.628	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 95.260%		
50) Toluene-d8	10.547	98	530181	48.544	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 97.080%		
62) 4-Bromofluorobenzene	12.829	95	194578	50.096	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 100.200%		
Target Compounds						
						Qvalue
16) Acetone	4.424	43	71107	36.664	ug/l	100
18) Methyl Acetate	5.024	43	38324	9.438	ug/l	99
20) Methylene Chloride	5.271	84	28293	9.070	ug/l	96
25) 2-Butanone	7.471	43	13586	5.325	ug/l	96
37) Ethyl Acetate	7.547	43	26018	4.253	ug/l	96
43) Isopropyl Acetate	8.677	43	18595	1.947	ug/l #	93

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

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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

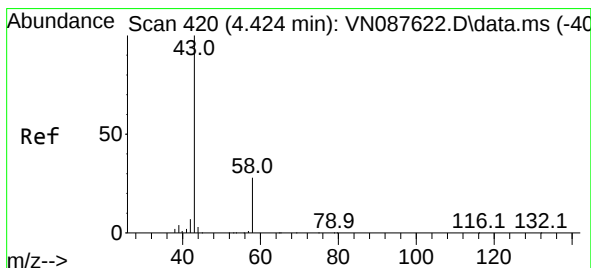
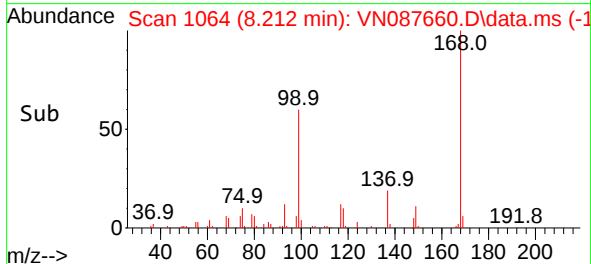
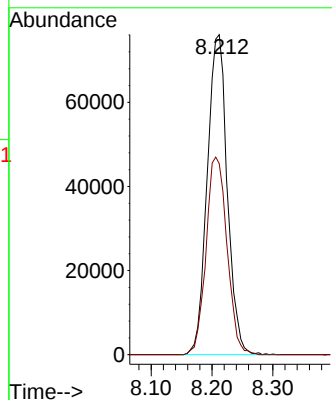
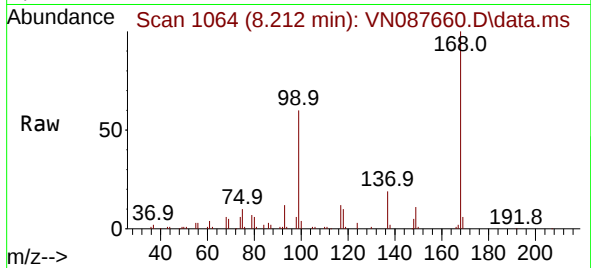




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087660.D
Acq: 25 Aug 2025 16:04

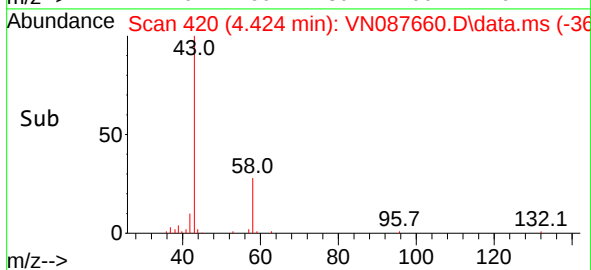
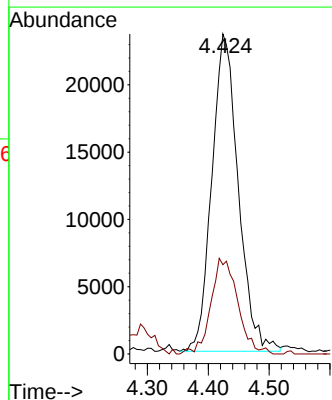
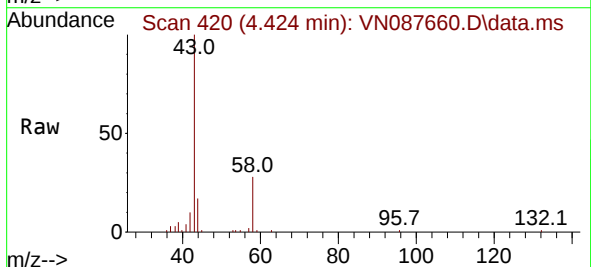
Instrument :
MSVOA_N
ClientSampleId :
PB169356TB

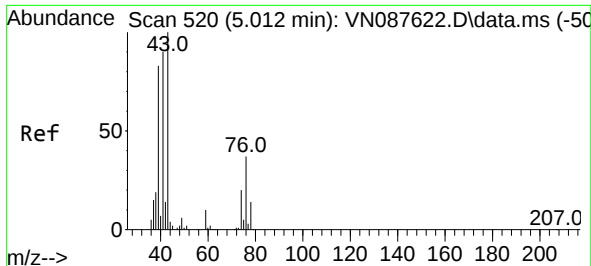
Tgt Ion:168 Resp: 173884
Ion Ratio Lower Upper
168 100
99 59.7 57.2 85.8



#16
Acetone
Concen: 36.664 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087660.D
Acq: 25 Aug 2025 16:04

Tgt Ion: 43 Resp: 71107
Ion Ratio Lower Upper
43 100
58 28.1 22.6 33.8

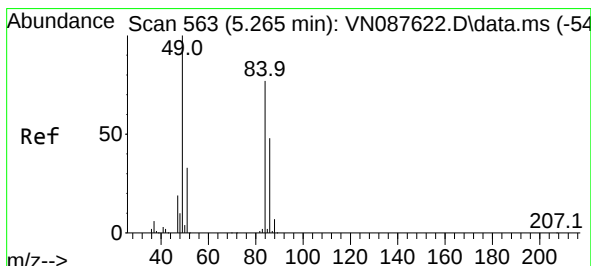
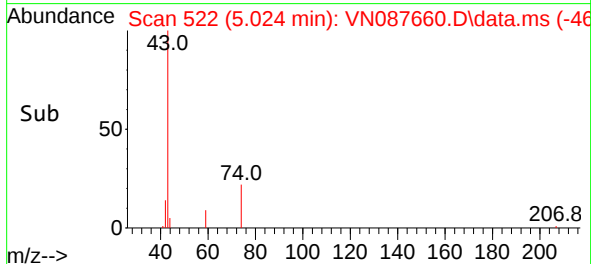
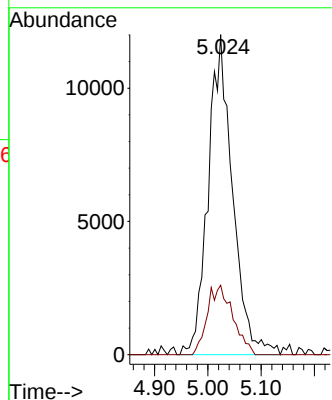
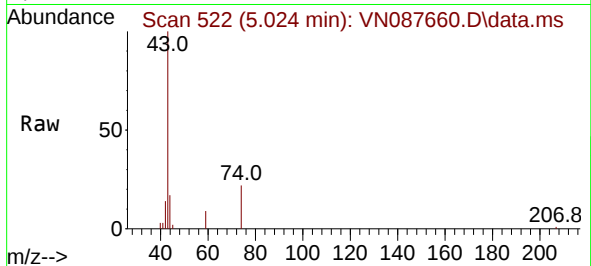




#18
Methyl Acetate
Concen: 9.438 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087660.D
Acq: 25 Aug 2025 16:04

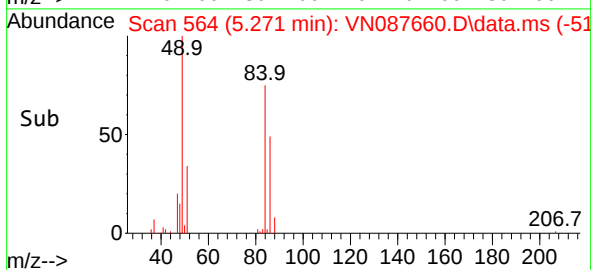
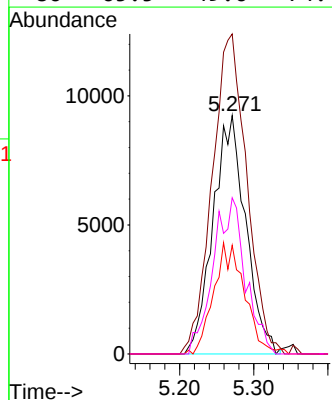
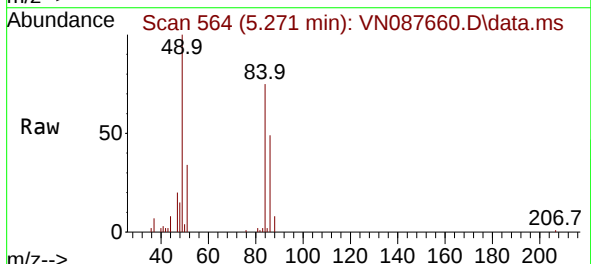
Instrument :
MSVOA_N
ClientSampleId :
PB169356TB

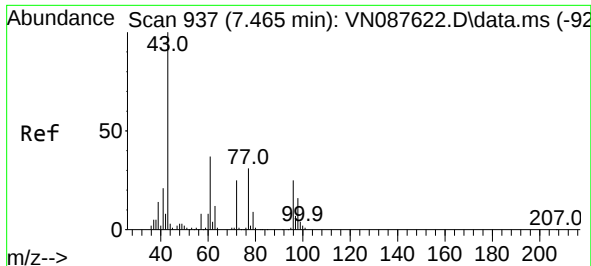
Tgt Ion: 43 Resp: 38324
Ion Ratio Lower Upper
43 100
74 22.6 17.6 26.4



#20
Methylene Chloride
Concen: 9.070 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN087660.D
Acq: 25 Aug 2025 16:04

Tgt Ion: 84 Resp: 28293
Ion Ratio Lower Upper
84 100
49 134.2 103.4 155.2
51 45.6 33.8 50.8
86 65.5 49.6 74.4

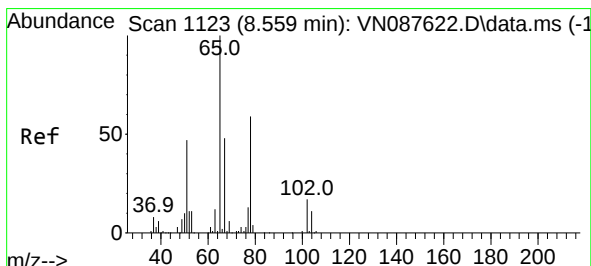
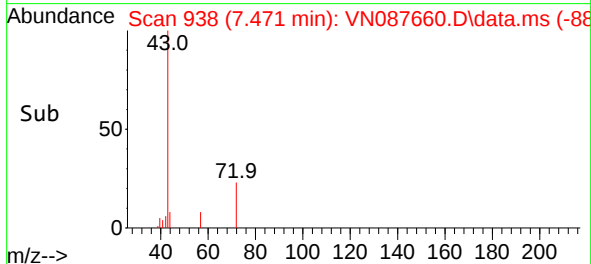
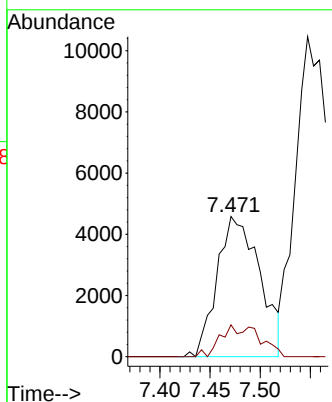
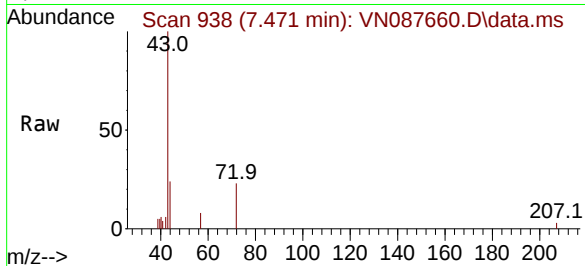




#25
2-Butanone
Concen: 5.325 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087660.D
Acq: 25 Aug 2025 16:04

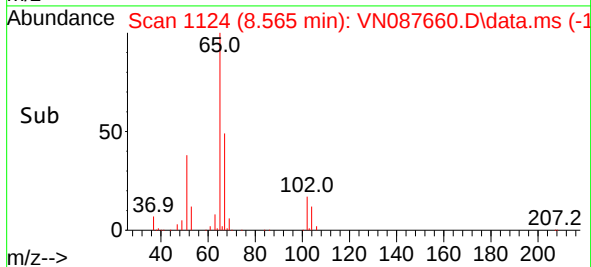
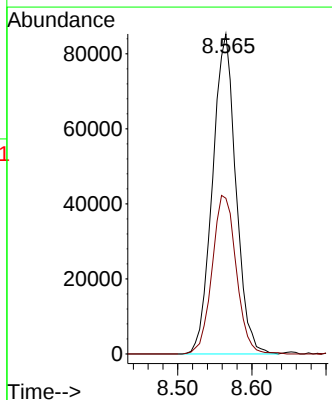
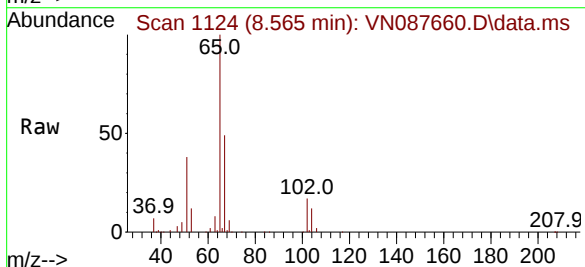
Instrument :
MSVOA_N
ClientSampleId :
PB169356TB

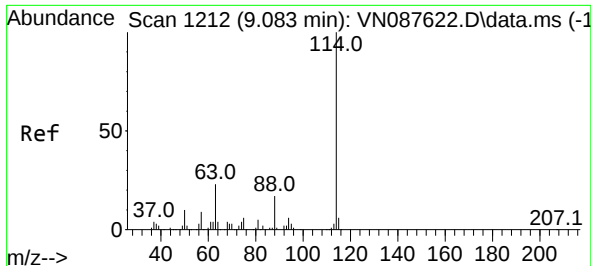
Tgt Ion: 43 Resp: 13586
Ion Ratio Lower Upper
43 100
72 22.7 19.9 29.9



#33
1,2-Dichloroethane-d4
Concen: 52.402 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087660.D
Acq: 25 Aug 2025 16:04

Tgt Ion: 65 Resp: 186693
Ion Ratio Lower Upper
65 100
67 51.2 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: VN087660.D

Acq: 25 Aug 2025 16:04

Instrument :

MSVOA_N

ClientSampleId :

PB169356TB

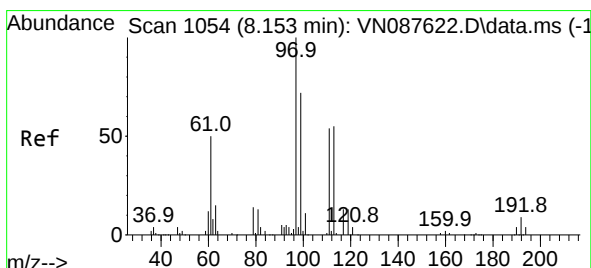
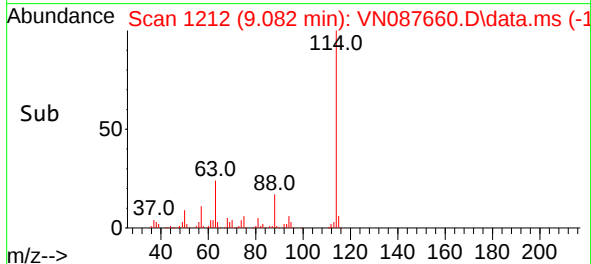
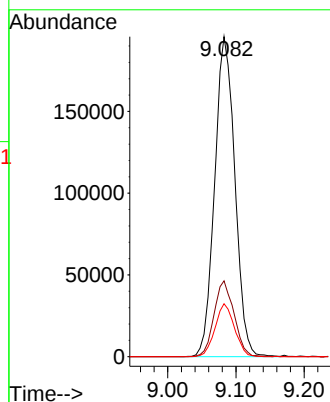
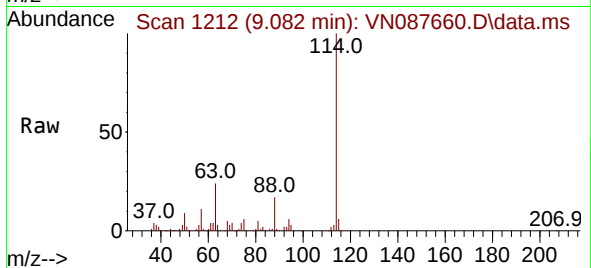
Tgt Ion:114 Resp: 404163

Ion Ratio Lower Upper

114 100

63 23.7 0.0 45.2

88 16.6 0.0 33.4



#35

Dibromofluoromethane

Concen: 47.628 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087660.D

Acq: 25 Aug 2025 16:04

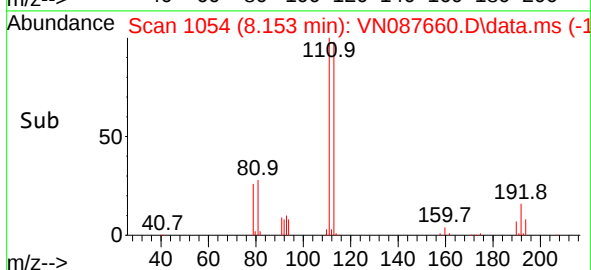
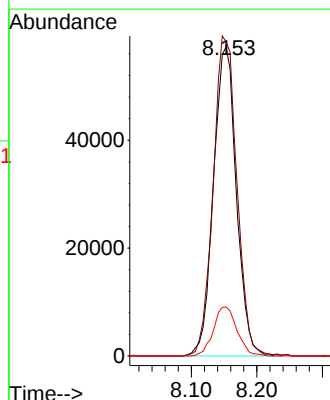
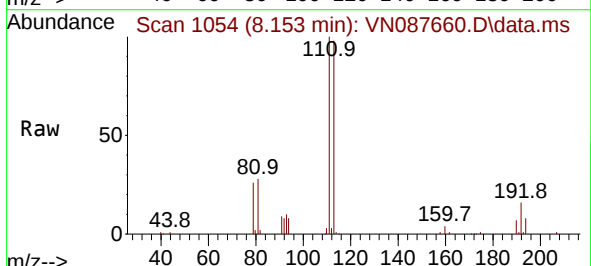
Tgt Ion:113 Resp: 138980

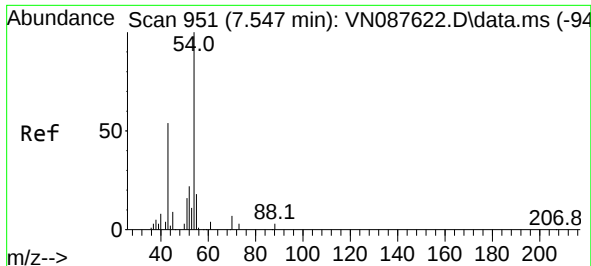
Ion Ratio Lower Upper

113 100

111 106.4 82.8 124.2

192 16.3 12.8 19.2

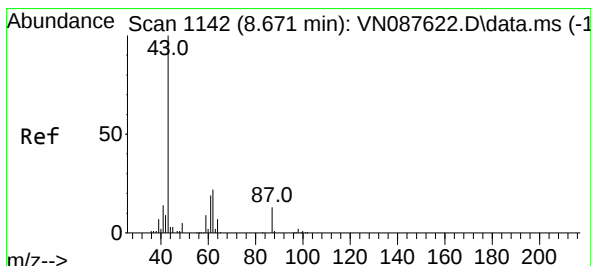
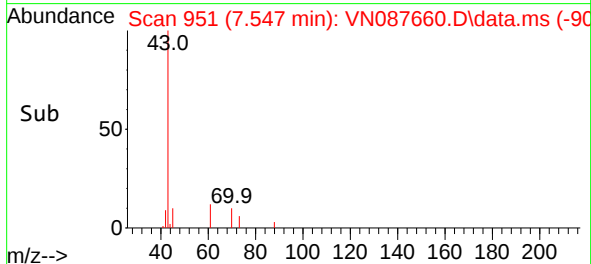
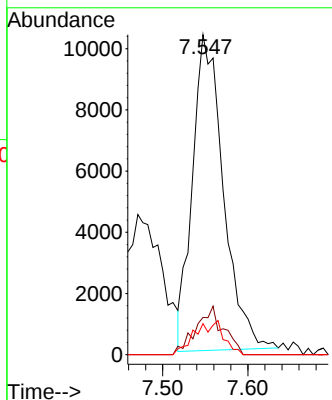
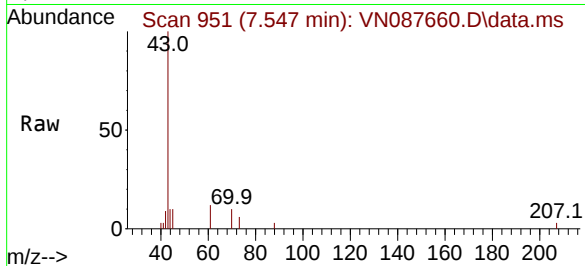




#37
Ethyl Acetate
Concen: 4.253 ug/l
RT: 7.547 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087660.D
Acq: 25 Aug 2025 16:04

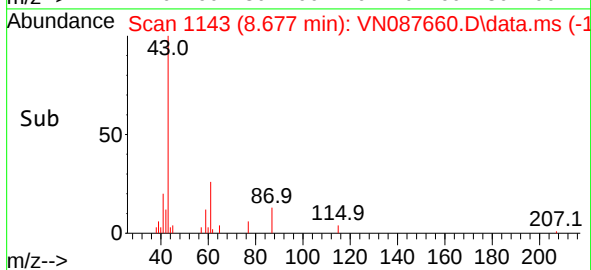
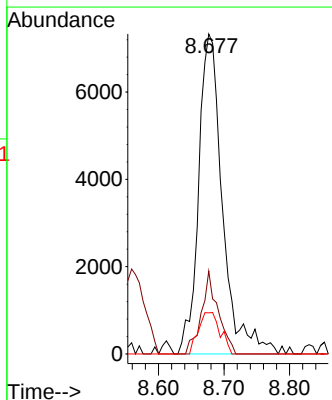
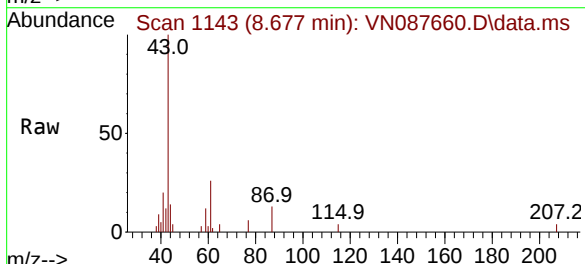
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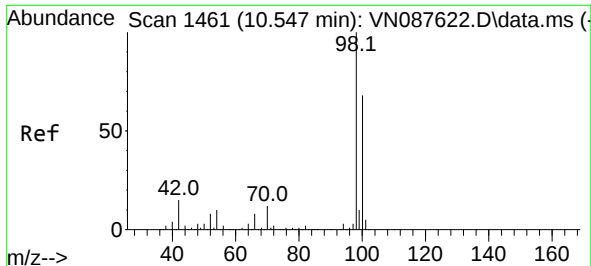
Tgt Ion:	43	Resp:	26018
Ion	Ratio	Lower	Upper
43	100		
61	13.5	9.3	13.9
70	10.0	7.0	10.6



#43
Isopropyl Acetate
Concen: 1.947 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087660.D
Acq: 25 Aug 2025 16:04

Tgt Ion:	43	Resp:	18595
Ion	Ratio	Lower	Upper
43	100		
61	18.2	18.8	28.2#
87	11.7	9.6	14.4

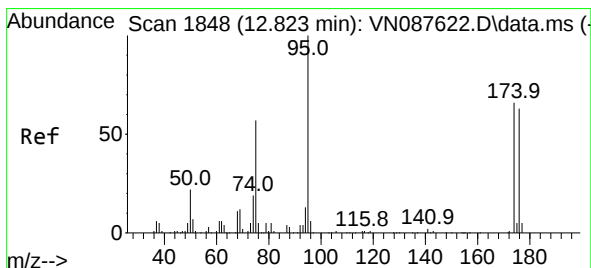
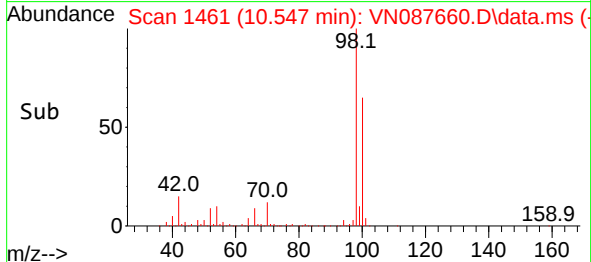
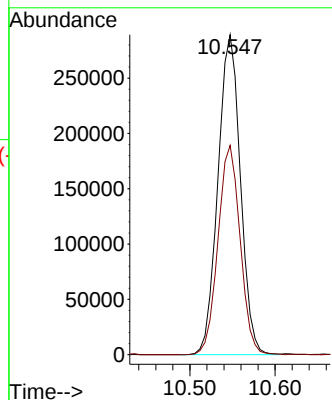
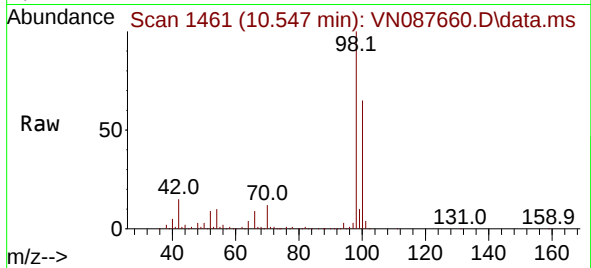




#50
Toluene-d8
Concen: 48.544 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087660.D
Acq: 25 Aug 2025 16:04

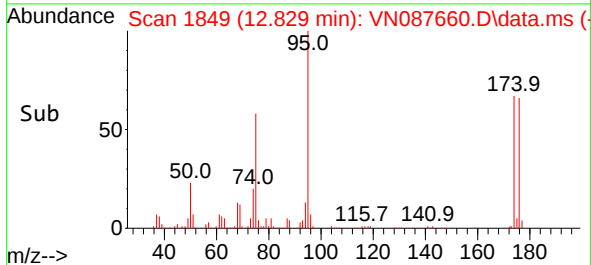
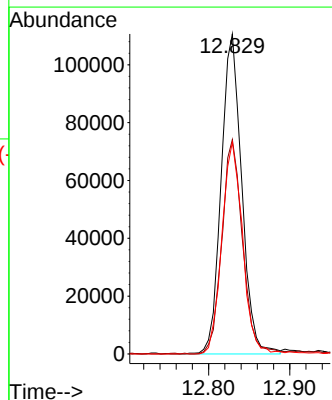
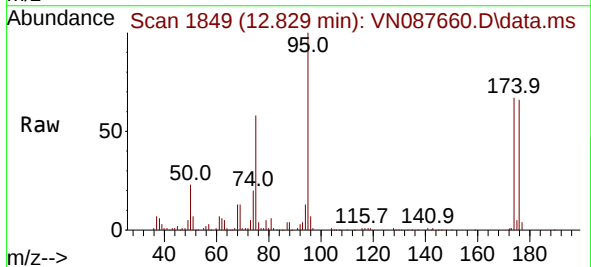
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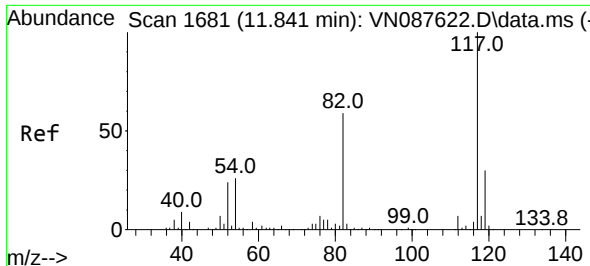
Tgt Ion: 98 Resp: 530181
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 50.096 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087660.D
Acq: 25 Aug 2025 16:04

Tgt Ion: 95 Resp: 194578
Ion Ratio Lower Upper
95 100
174 67.7 0.0 138.4
176 66.5 0.0 132.6

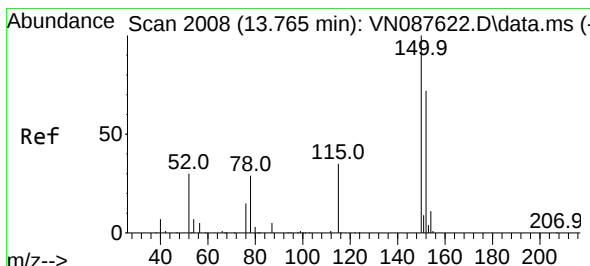
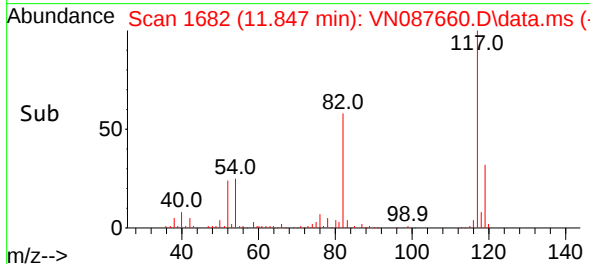
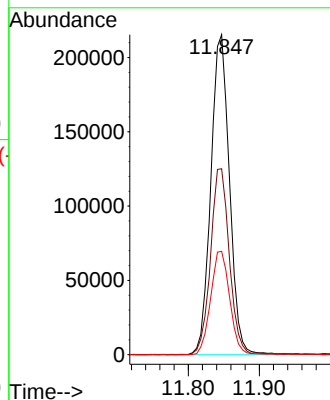
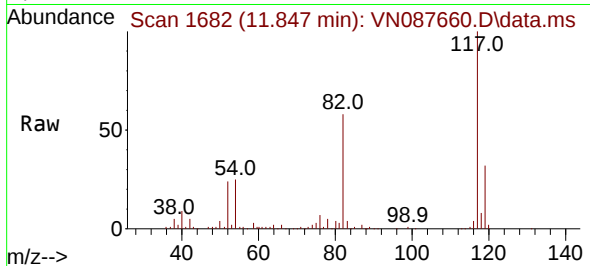




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087660.D
Acq: 25 Aug 2025 16:04

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:117 Resp: 391591
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 32.3 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087660.D
Acq: 25 Aug 2025 16:04

Tgt Ion:152 Resp: 182807
Ion Ratio Lower Upper
152 100
115 66.8 32.3 96.8
150 159.3 0.0 351.0

