

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
 Data File : VN087682.D
 Acq On : 28 Aug 2025 14:05
 Operator : JC\MD
 Sample : PB169423TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB169423TB

Quant Time: Aug 29 03:18:04 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)

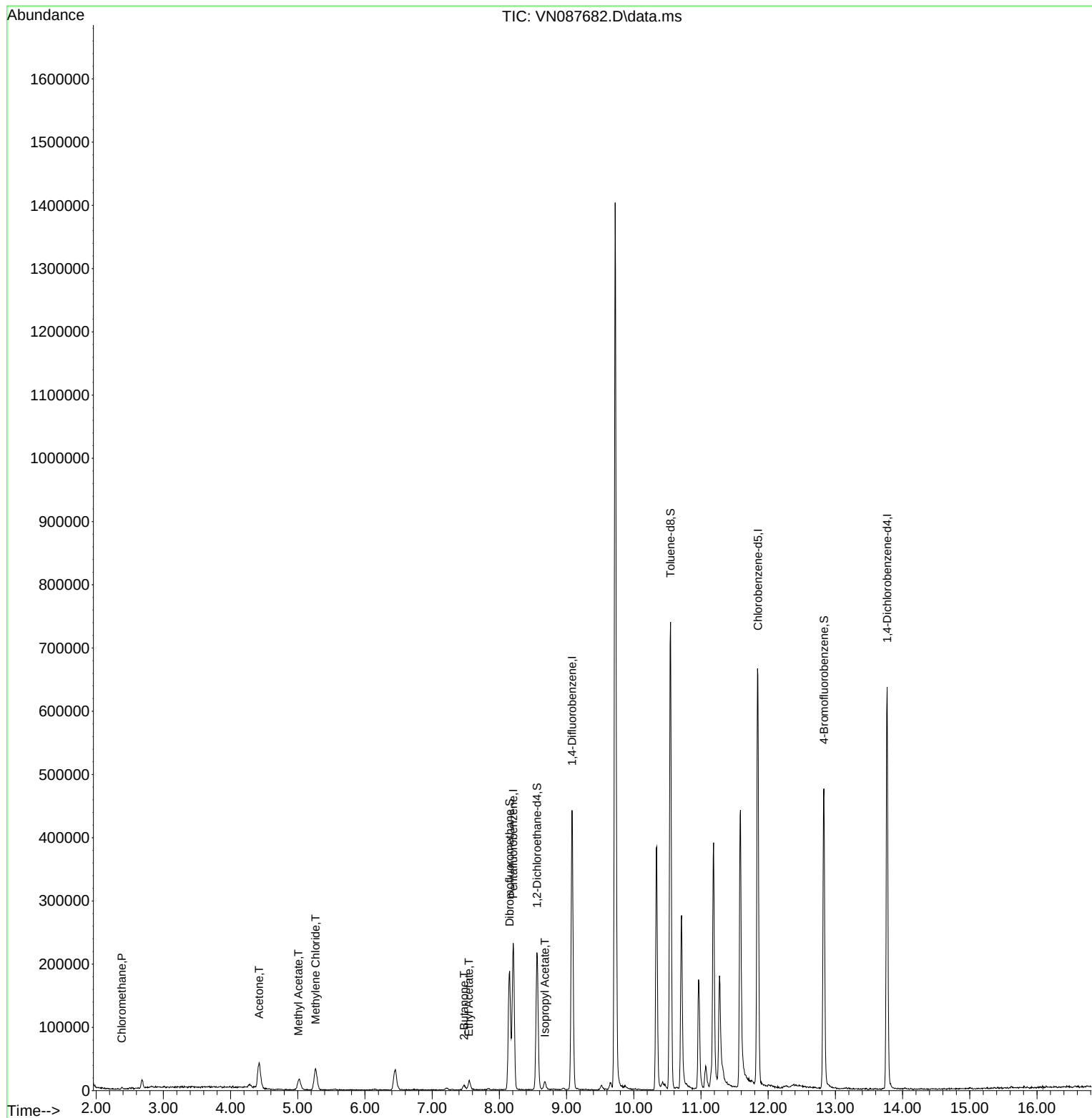
Internal Standards						
1) Pentafluorobenzene	8.206	168	153995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	361978	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	361531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	160948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	178106	56.449	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 112.900%		
35) Dibromofluoromethane	8.153	113	135757	51.945	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.900%		
50) Toluene-d8	10.547	98	479662	49.036	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 98.080%		
62) 4-Bromofluorobenzene	12.829	95	164425	47.266	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 94.540%		
Target Compounds						
						Qvalue
3) Chloromethane	2.383	50	3184	1.417	ug/l #	86
16) Acetone	4.424	43	76375	44.467	ug/l	93
18) Methyl Acetate	5.012	43	37443	10.412	ug/l	99
20) Methylene Chloride	5.265	84	25411	9.216	ug/l	93
25) 2-Butanone	7.476	43	12285	5.437	ug/l	98
37) Ethyl Acetate	7.547	43	22555	4.117	ug/l	96
43) Isopropyl Acetate	8.676	43	15554	1.818	ug/l #	79

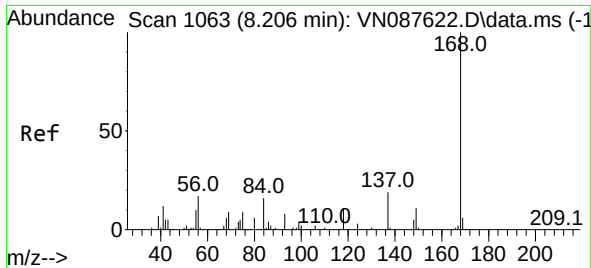
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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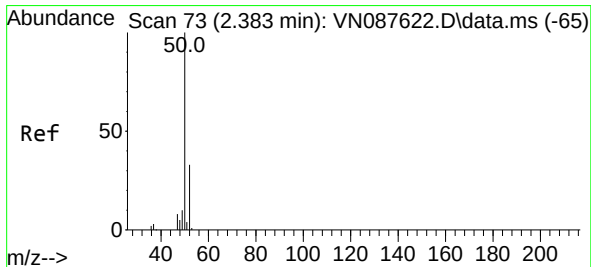
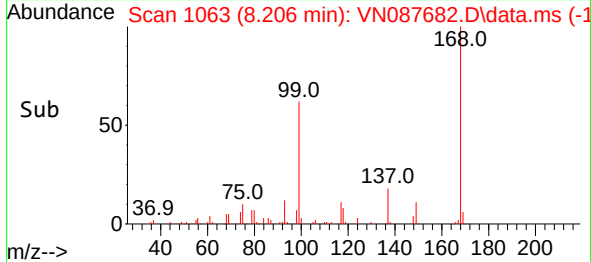
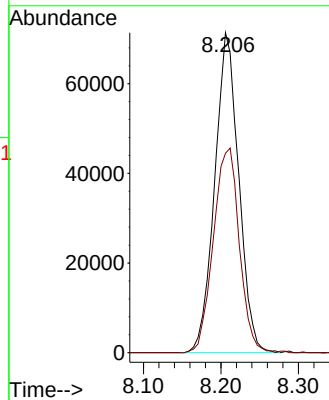
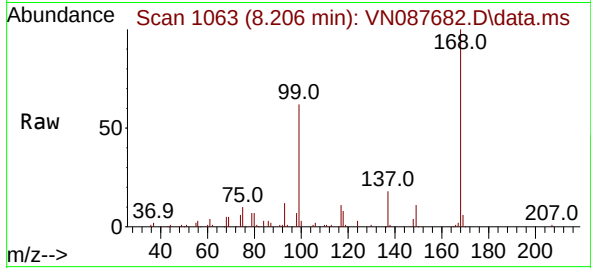




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087682.D
Acq: 28 Aug 2025 14:05

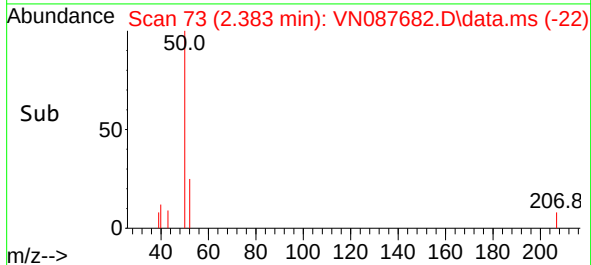
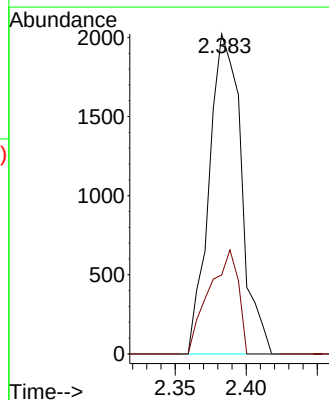
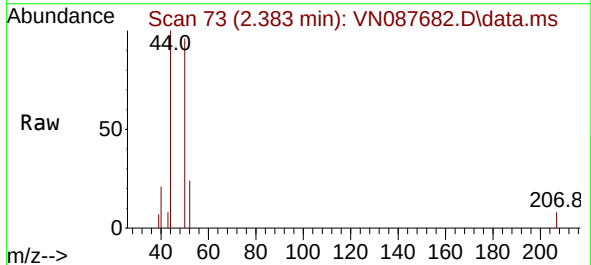
Instrument :
MSVOA_N
ClientSampleId :
PB169423TB

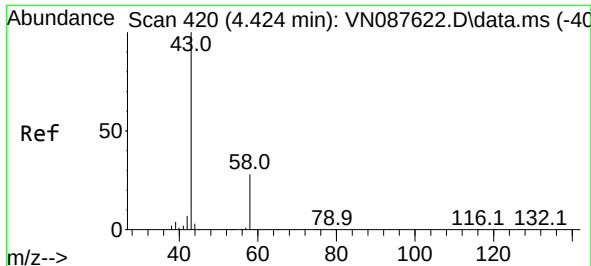
Tgt Ion:168 Resp: 153995
Ion Ratio Lower Upper
168 100
99 62.3 57.2 85.8



#3
Chloromethane
Concen: 1.417 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.000 min
Lab File: VN087682.D
Acq: 28 Aug 2025 14:05

Tgt Ion: 50 Resp: 3184
Ion Ratio Lower Upper
50 100
52 24.7 26.2 39.4#

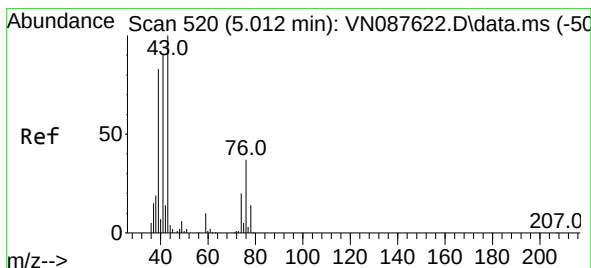
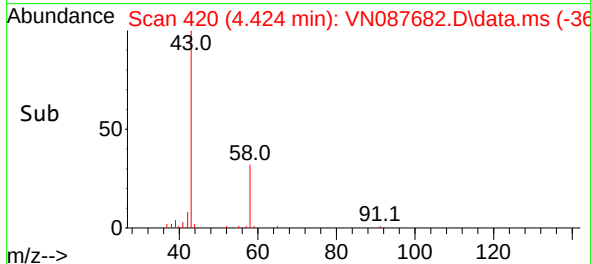
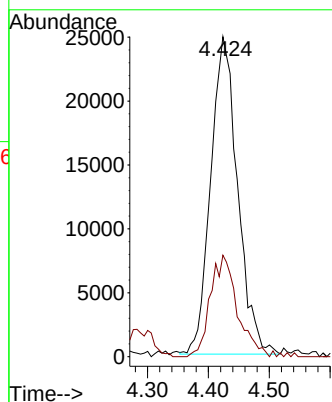
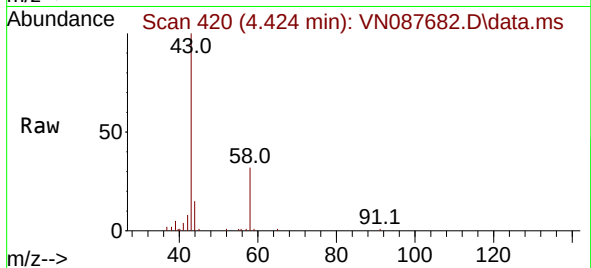




#16
Acetone
Concen: 44.467 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087682.D
Acq: 28 Aug 2025 14:05

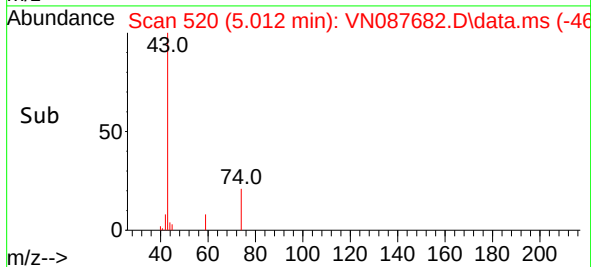
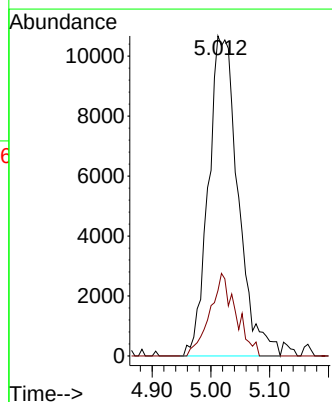
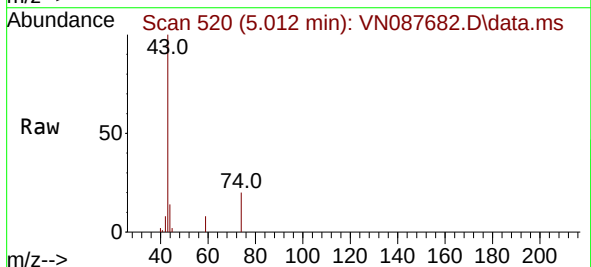
Instrument :
MSVOA_N
ClientSampleId :
PB169423TB

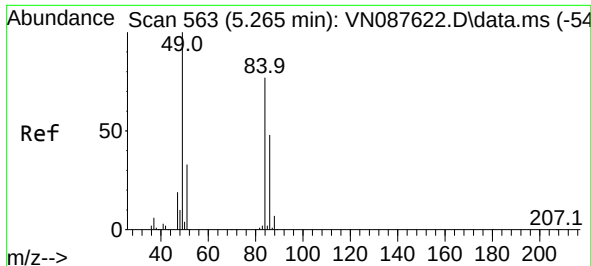
Tgt Ion: 43 Resp: 76375
Ion Ratio Lower Upper
43 100
58 32.0 22.6 33.8



#18
Methyl Acetate
Concen: 10.412 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.000 min
Lab File: VN087682.D
Acq: 28 Aug 2025 14:05

Tgt Ion: 43 Resp: 37443
Ion Ratio Lower Upper
43 100
74 22.7 17.6 26.4

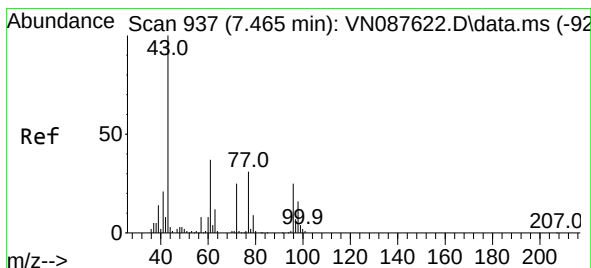
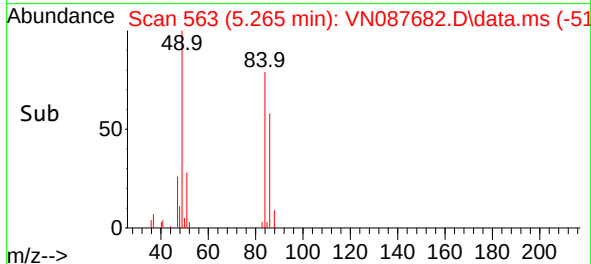
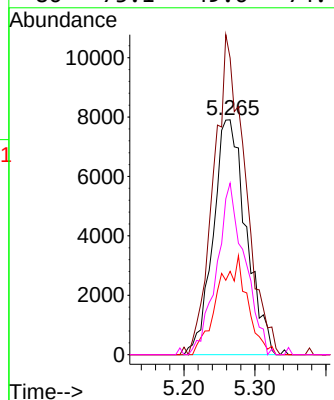
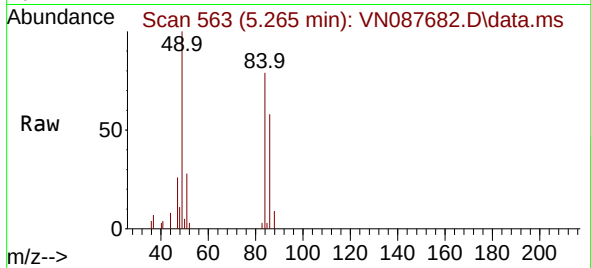




#20
Methylene Chloride
Concen: 9.216 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN087682.D
Acq: 28 Aug 2025 14:05

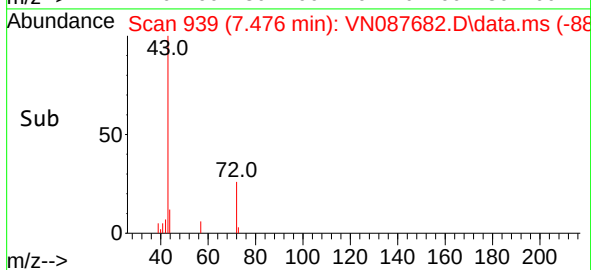
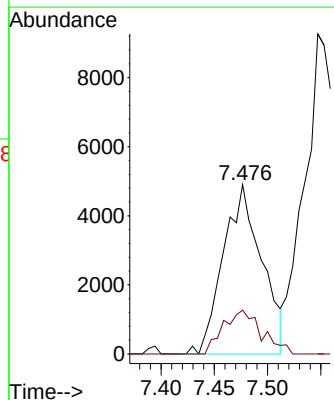
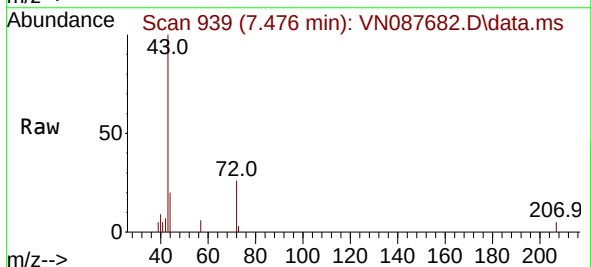
Instrument :
MSVOA_N
ClientSampleId :
PB169423TB

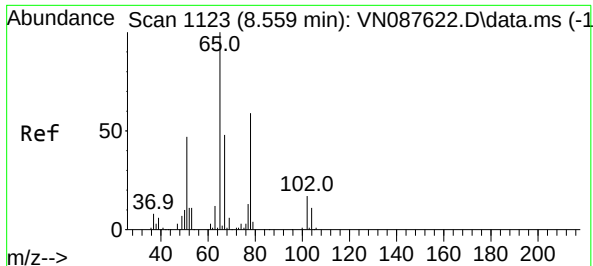
Tgt Ion:	84	Resp:	25411
Ion	Ratio	Lower	Upper
84	100		
49	126.3	103.4	155.2
51	35.5	33.8	50.8
86	73.1	49.6	74.4



#25
2-Butanone
Concen: 5.437 ug/l
RT: 7.476 min Scan# 939
Delta R.T. 0.011 min
Lab File: VN087682.D
Acq: 28 Aug 2025 14:05

Tgt Ion:	43	Resp:	12285
Ion	Ratio	Lower	Upper
43	100		
72	25.9	19.9	29.9





#33

1,2-Dichloroethane-d4

Concen: 56.449 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087682.D

Acq: 28 Aug 2025 14:05

Instrument :

MSVOA_N

ClientSampleId :

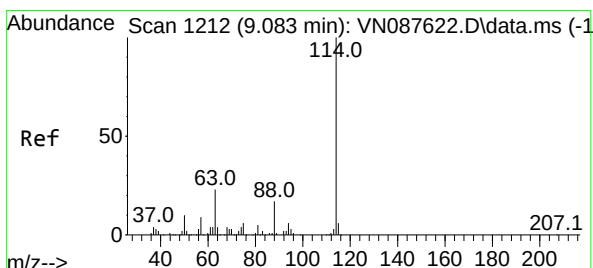
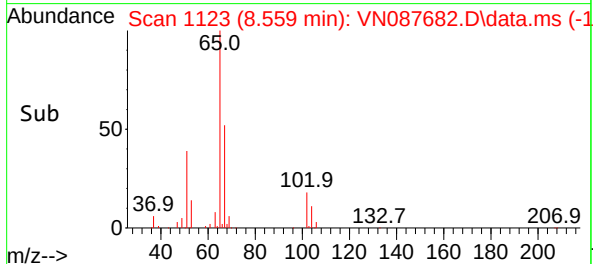
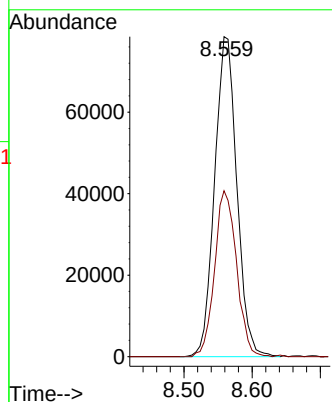
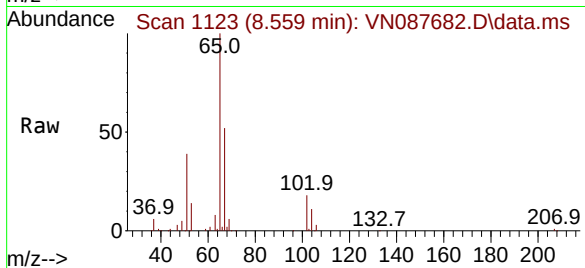
PB169423TB

Tgt Ion: 65 Resp: 178106

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# 1212

Delta R.T. -0.000 min

Lab File: VN087682.D

Acq: 28 Aug 2025 14:05

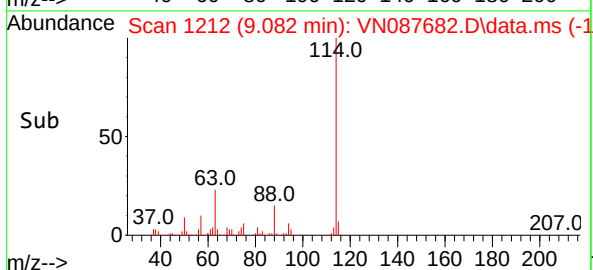
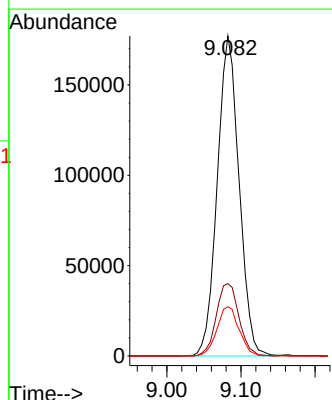
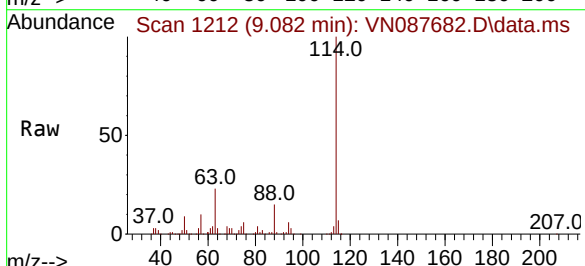
Tgt Ion: 114 Resp: 361978

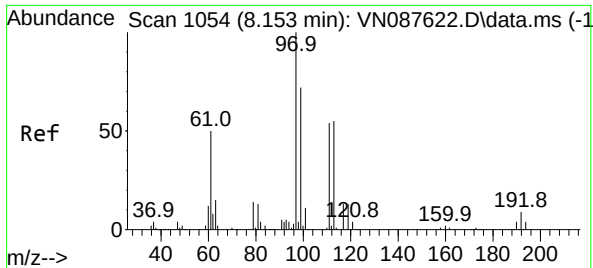
Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.2

88 15.4 0.0 33.4

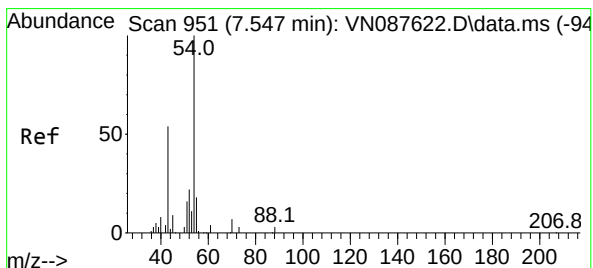
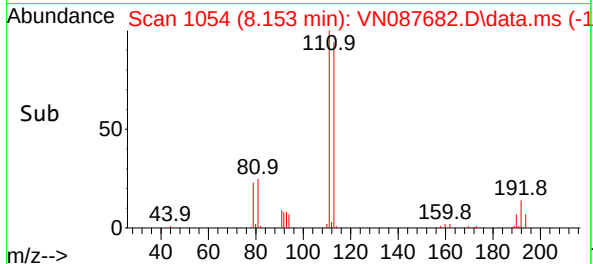
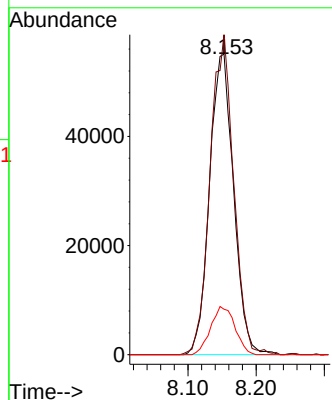
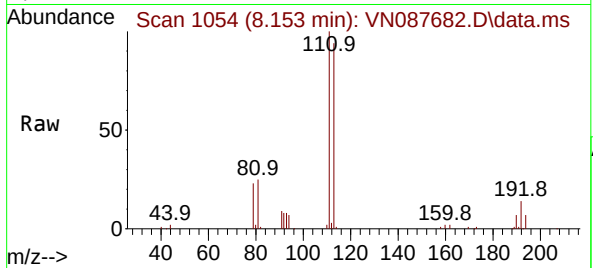




#35
Dibromofluoromethane
Concen: 51.945 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087682.D
Acq: 28 Aug 2025 14:05

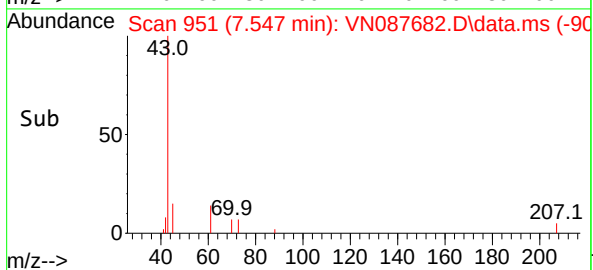
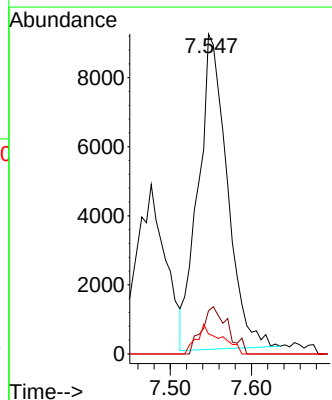
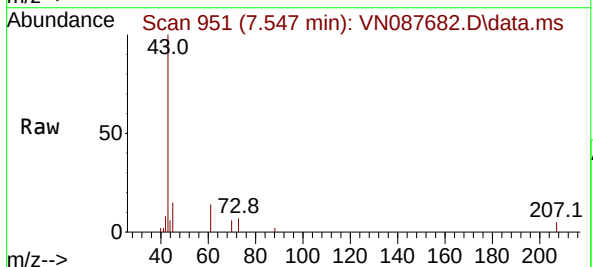
Instrument :
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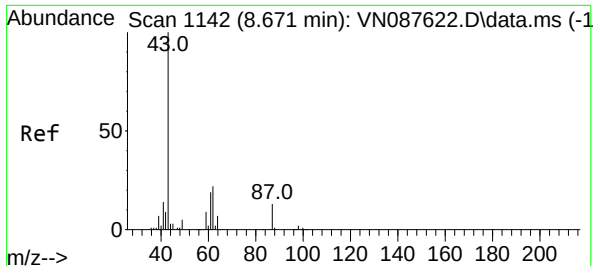
Tgt Ion:113 Resp: 135757
Ion Ratio Lower Upper
113 100
111 103.9 82.8 124.2
192 16.1 12.8 19.2



#37
Ethyl Acetate
Concen: 4.117 ug/l
RT: 7.547 min Scan# 951
Delta R.T. -0.000 min
Lab File: VN087682.D
Acq: 28 Aug 2025 14:05

Tgt Ion: 43 Resp: 22555
Ion Ratio Lower Upper
43 100
61 13.4 9.3 13.9
70 7.7 7.0 10.6

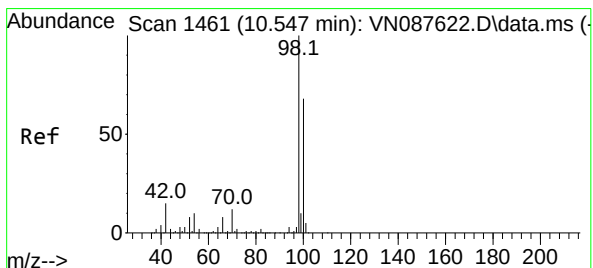
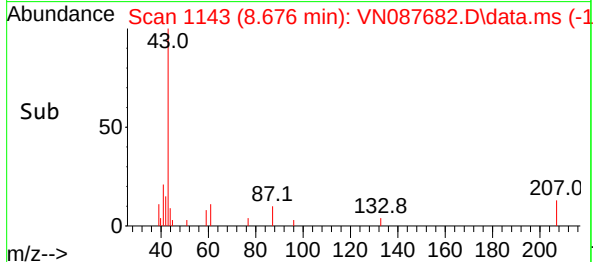
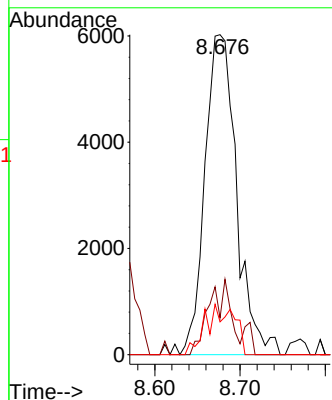
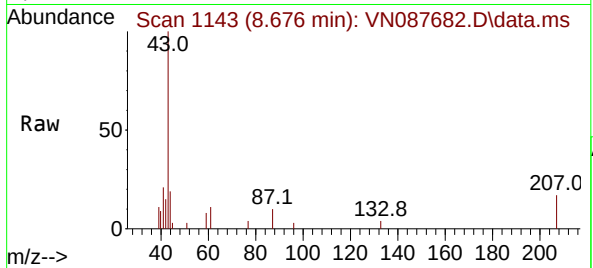




#43
Isopropyl Acetate
Concen: 1.818 ug/l
RT: 8.676 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087682.D
Acq: 28 Aug 2025 14:05

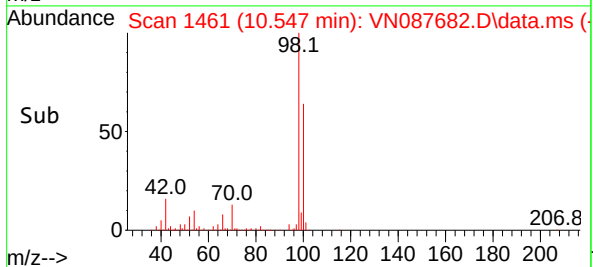
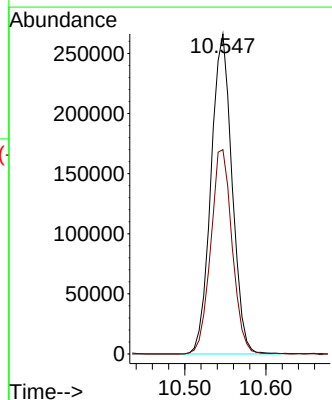
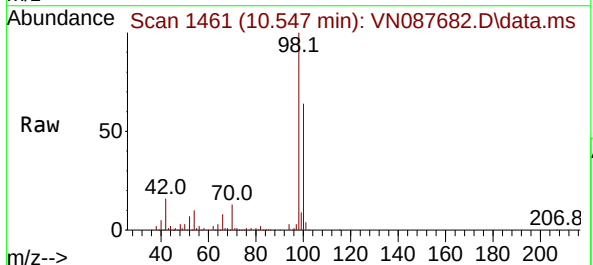
Instrument :
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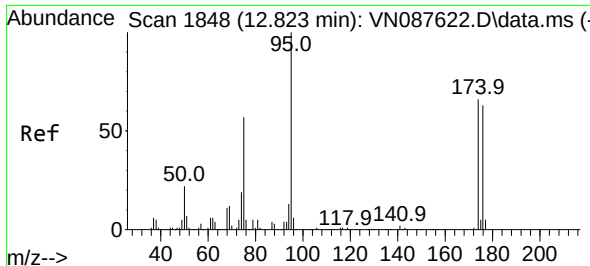
Tgt Ion: 43 Resp: 15554
Ion Ratio Lower Upper
43 100
61 9.5 18.8 28.2#
87 9.5 9.6 14.4#



#50
Toluene-d8
Concen: 49.036 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087682.D
Acq: 28 Aug 2025 14:05

Tgt Ion: 98 Resp: 479662
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2

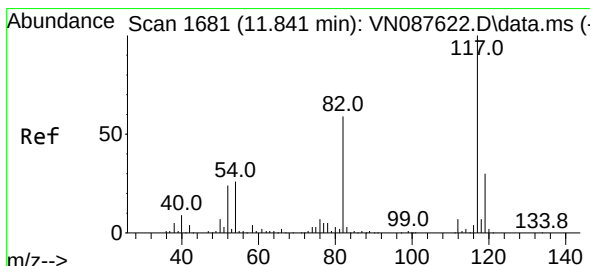
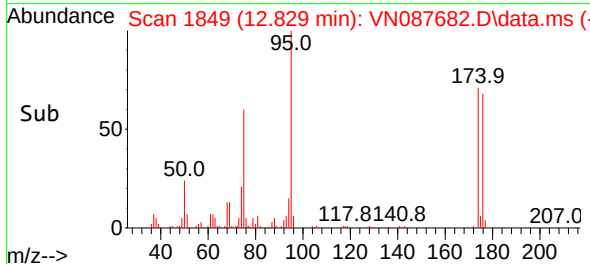
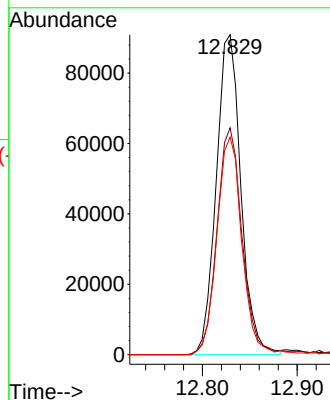
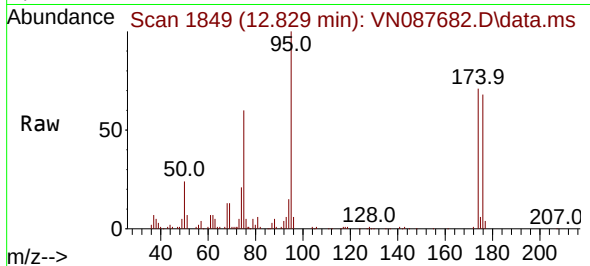




#62
4-Bromofluorobenzene
Concen: 47.266 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087682.D
Acq: 28 Aug 2025 14:05

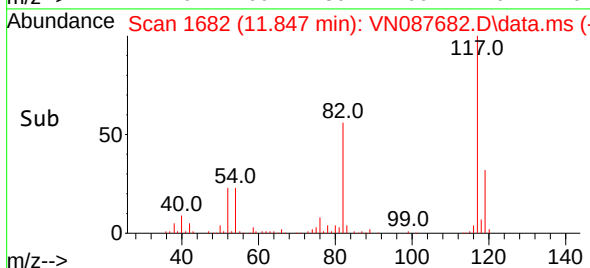
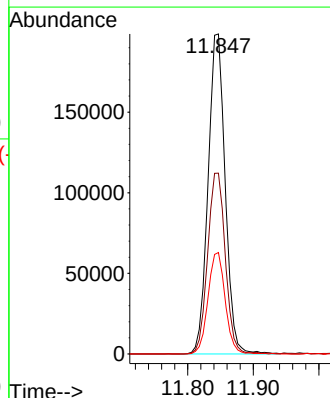
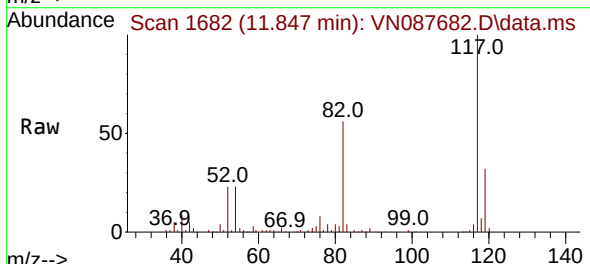
Instrument :
MSVOA_N
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PB169423TB

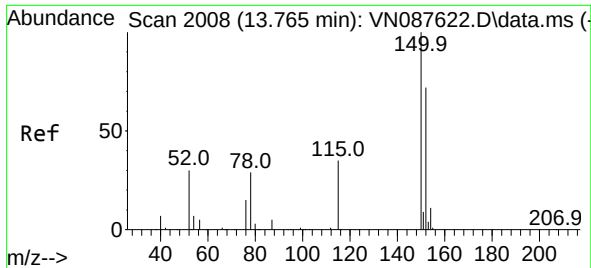
Tgt Ion: 95 Resp: 164425
Ion Ratio Lower Upper
95 100
174 72.9 0.0 138.4
176 69.3 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087682.D
Acq: 28 Aug 2025 14:05

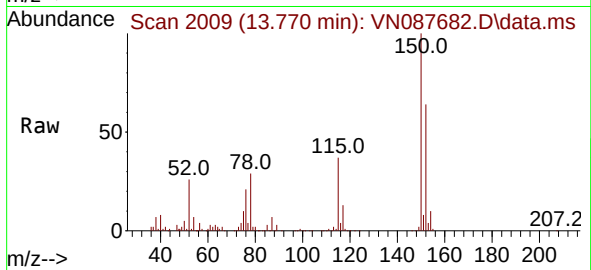
Tgt Ion: 117 Resp: 361531
Ion Ratio Lower Upper
117 100
82 56.5 47.4 71.2
119 31.7 24.3 36.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN087682.D
 Acq: 28 Aug 2025 14:05

Instrument :
 MSVOA_N
 ClientSampleId :
 PB169423TB



Tgt Ion:152 Resp: 160948
 Ion Ratio Lower Upper
 152 100
 115 63.4 32.3 96.8
 150 157.0 0.0 351.0

