

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
 Data File : VN087971.D
 Acq On : 26 Sep 2025 16:52
 Operator : JC\MD
 Sample : Q3183-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-4

Quant Time: Sep 27 01:28:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

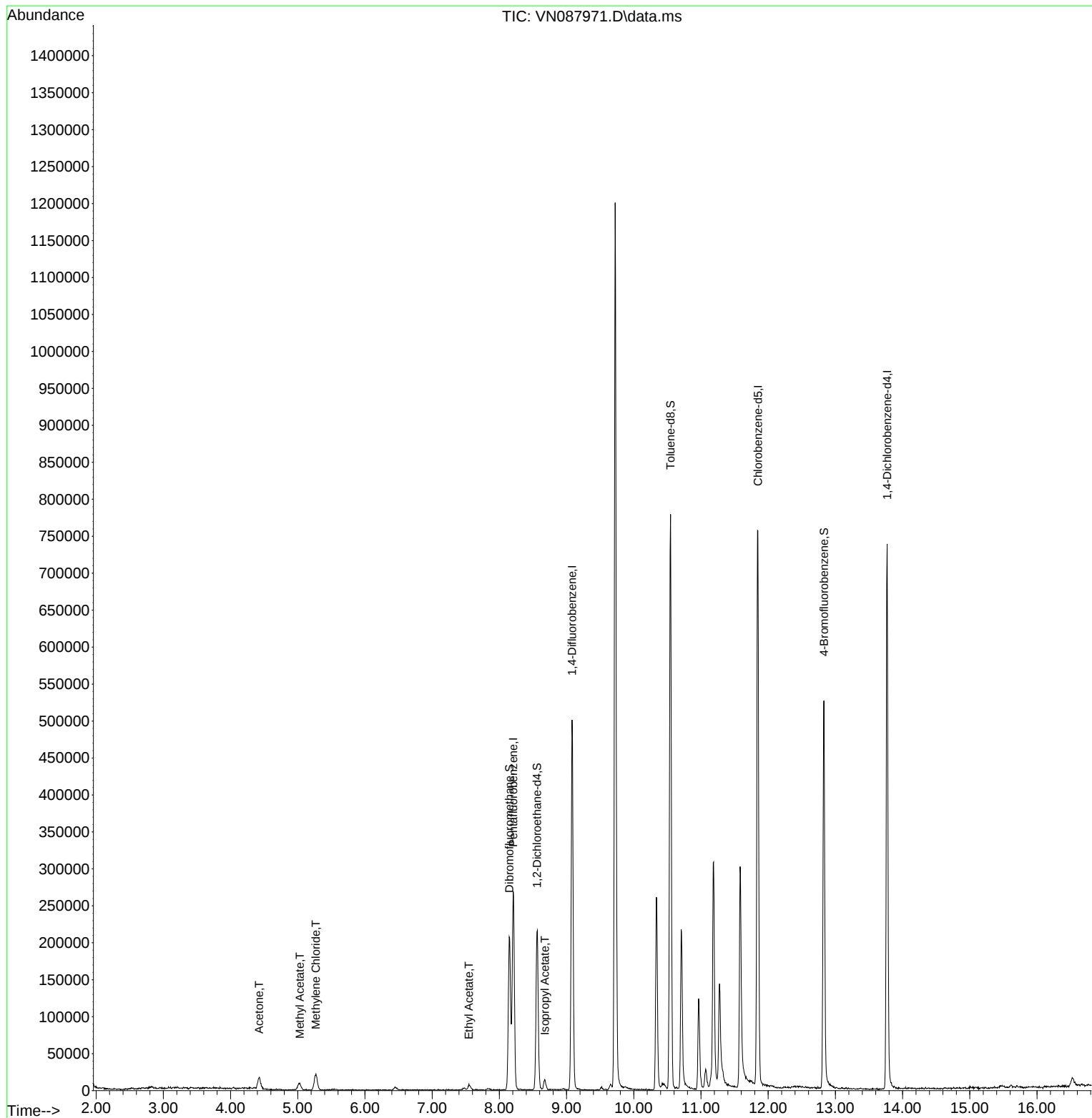
Internal Standards						
1) Pentafluorobenzene	8.206	168	184028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	417020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	441155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	196761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	179594	57.989	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.980%
35) Dibromofluoromethane	8.147	113	146531	48.395	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.800%
50) Toluene-d8	10.547	98	531135	49.883	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.760%
62) 4-Bromofluorobenzene	12.829	95	183380	48.183	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.360%
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	30757	24.137	ug/l	97
18) Methyl Acetate	5.030	43	19697	6.177	ug/l	99
20) Methylene Chloride	5.271	84	17376	6.737	ug/l	91
37) Ethyl Acetate	7.547	43	11992	2.508	ug/l #	93
43) Isopropyl Acetate	8.677	43	15509	2.061	ug/l #	91

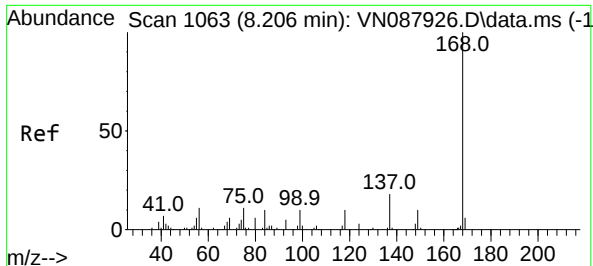
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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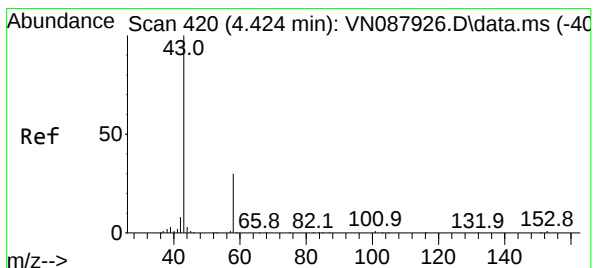
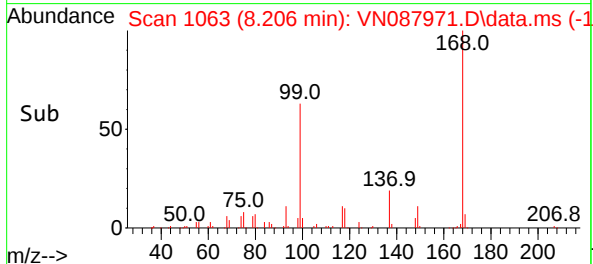
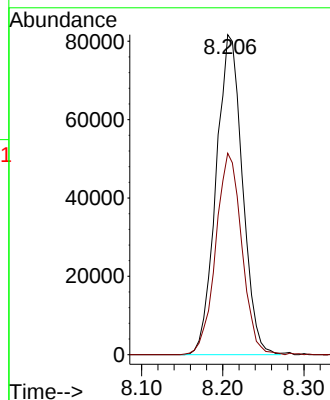
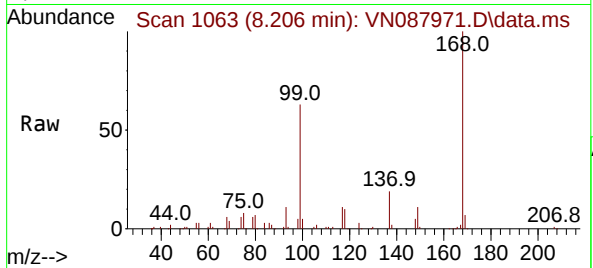




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087971.D
Acq: 26 Sep 2025 16:52

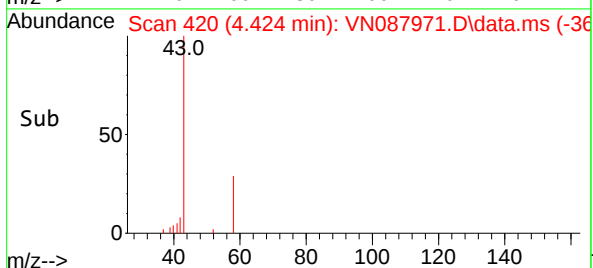
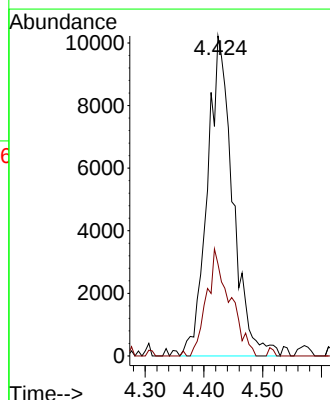
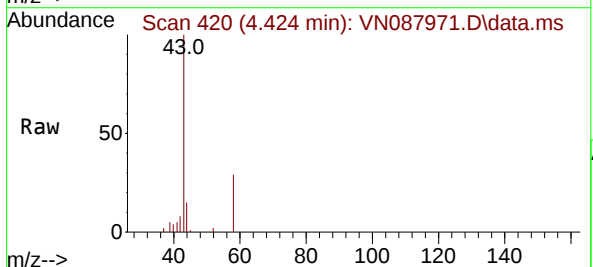
Instrument :
MSVOA_N
ClientSampleId :
WC-4

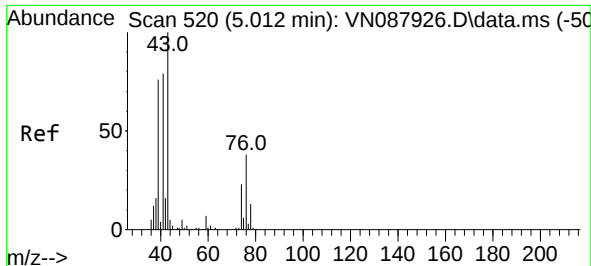
Tgt Ion:168 Resp: 184028
Ion Ratio Lower Upper
168 100
99 62.9 52.2 78.2



#16
Acetone
Concen: 24.137 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087971.D
Acq: 26 Sep 2025 16:52

Tgt Ion: 43 Resp: 30757
Ion Ratio Lower Upper
43 100
58 28.7 24.1 36.1

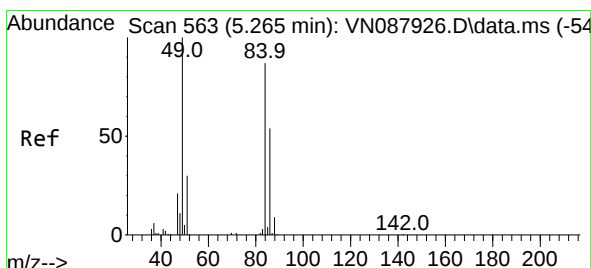
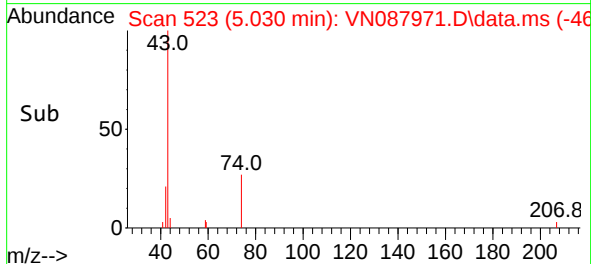
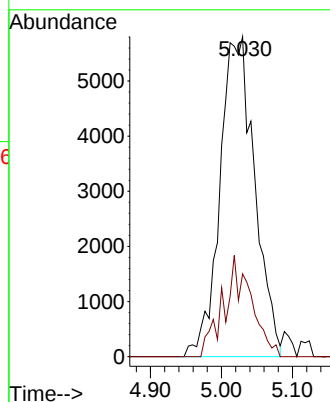
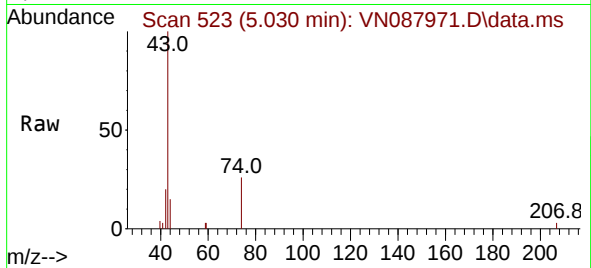




#18
Methyl Acetate
Concen: 6.177 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN087971.D
Acq: 26 Sep 2025 16:52

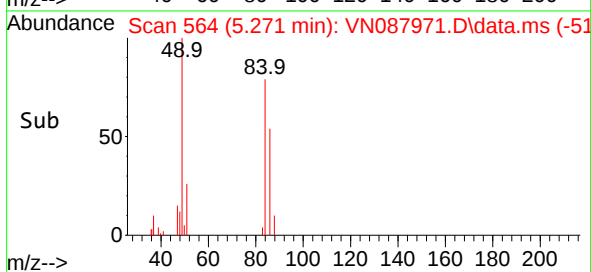
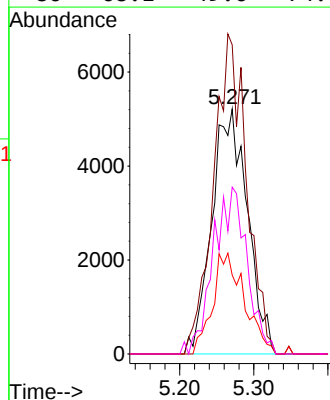
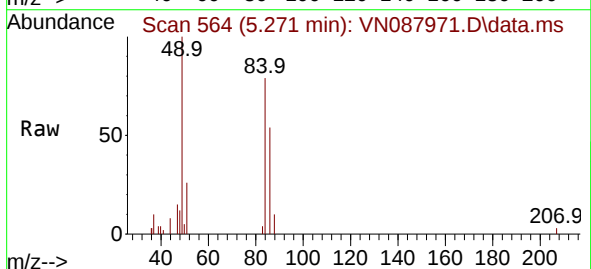
Instrument :
MSVOA_N
ClientSampleId :
WC-4

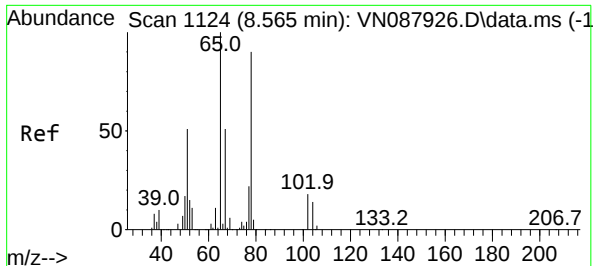
Tgt Ion: 43 Resp: 19697
Ion Ratio Lower Upper
43 100
74 25.3 19.7 29.5



#20
Methylene Chloride
Concen: 6.737 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN087971.D
Acq: 26 Sep 2025 16:52

Tgt Ion: 84 Resp: 17376
Ion Ratio Lower Upper
84 100
49 126.2 92.1 138.1
51 32.2 27.7 41.5
86 68.1 49.6 74.4





#33

1,2-Dichloroethane-d4

Concen: 57.989 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN087971.D

Acq: 26 Sep 2025 16:52

Instrument :

MSVOA_N

ClientSampleId :

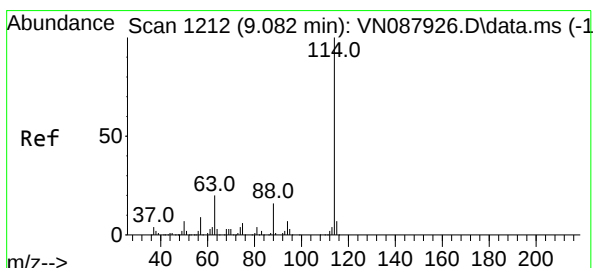
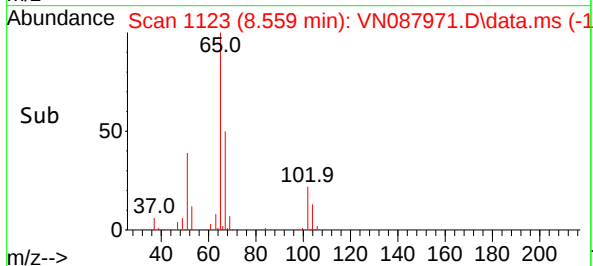
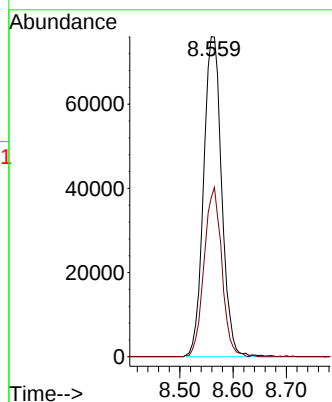
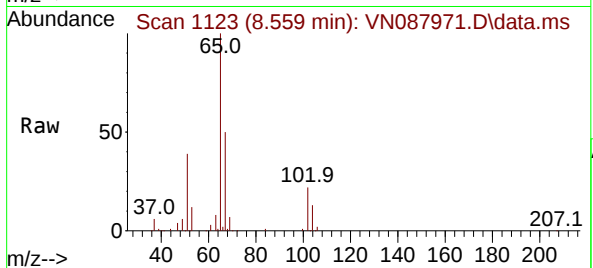
WC-4

Tgt Ion: 65 Resp: 179594

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087971.D

Acq: 26 Sep 2025 16:52

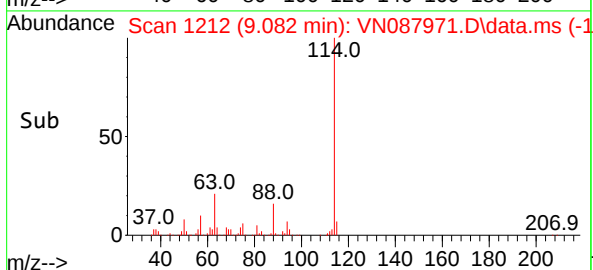
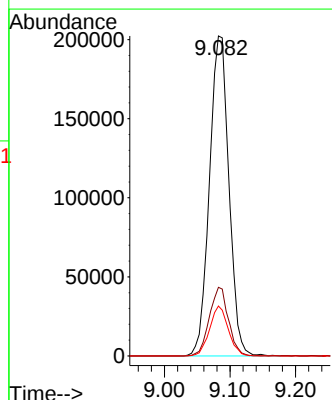
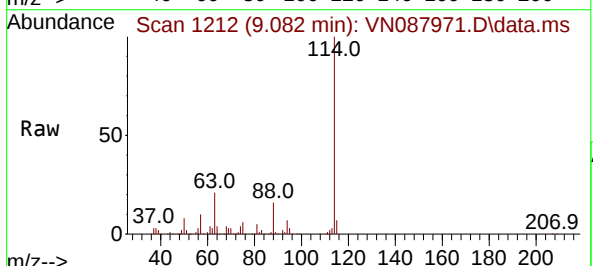
Tgt Ion: 114 Resp: 417020

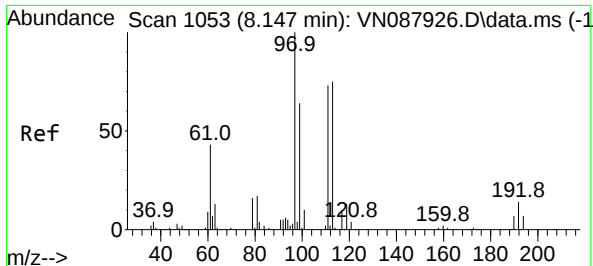
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.0

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.395 ug/l

RT: 8.147 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087971.D

Acq: 26 Sep 2025 16:52

Instrument :

MSVOA_N

ClientSampleId :

WC-4

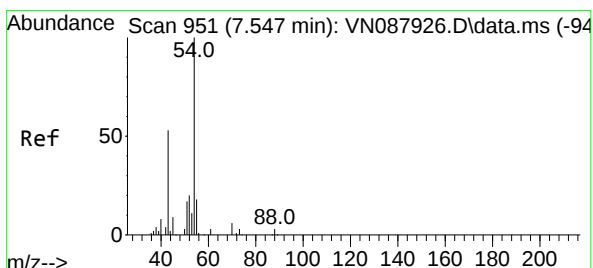
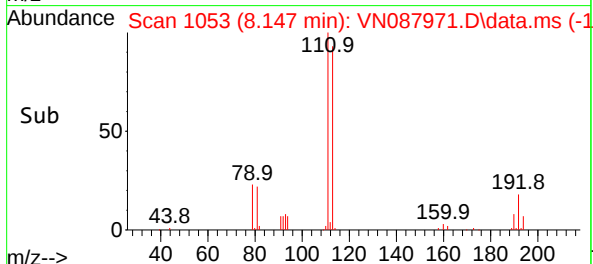
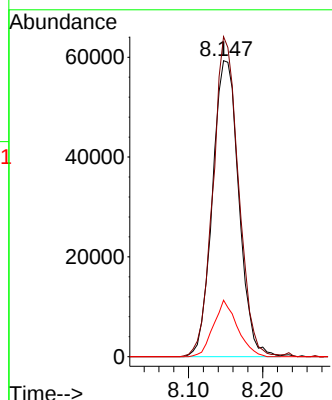
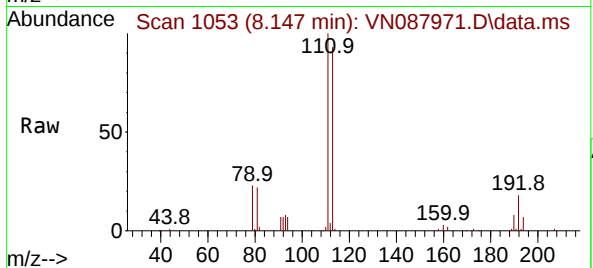
Tgt Ion:113 Resp: 146531

Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.2

192 17.4 14.2 21.2



#37

Ethyl Acetate

Concen: 2.508 ug/l

RT: 7.547 min Scan# 951

Delta R.T. -0.000 min

Lab File: VN087971.D

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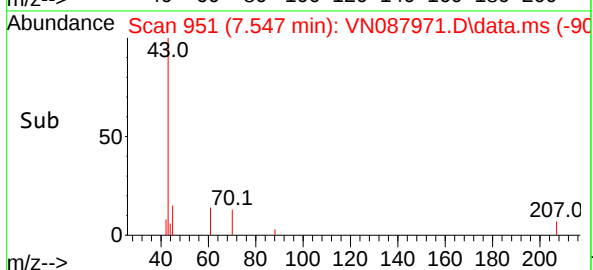
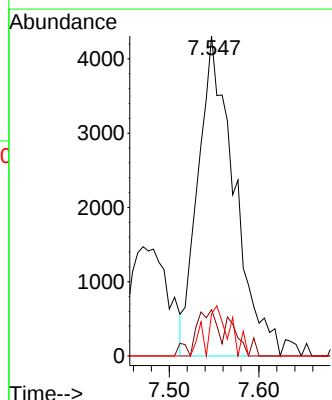
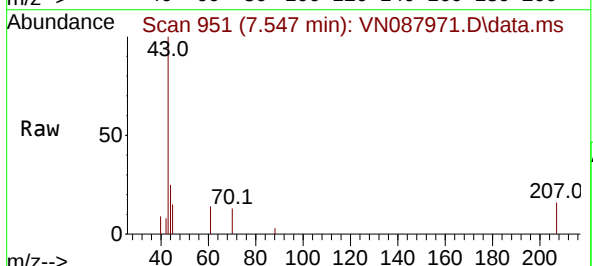
Tgt Ion: 43 Resp: 11992

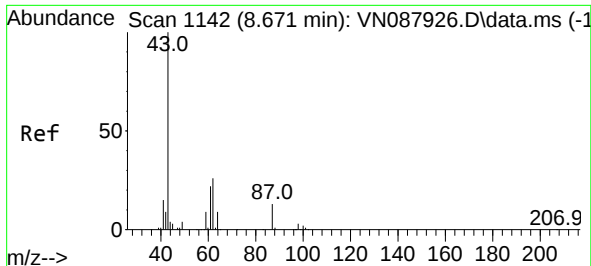
Ion Ratio Lower Upper

43 100

61 8.9 10.7 16.1#

70 10.1 7.8 11.8

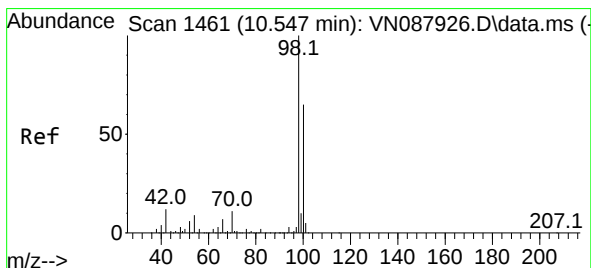
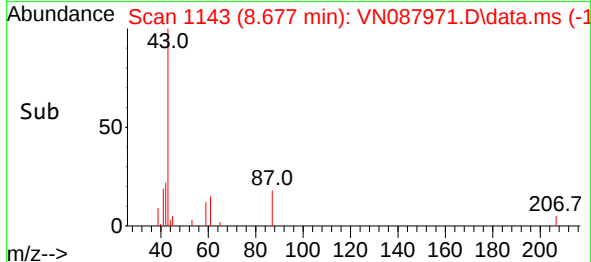
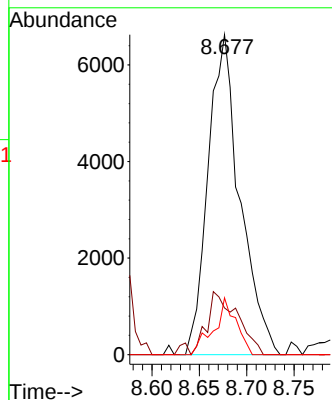
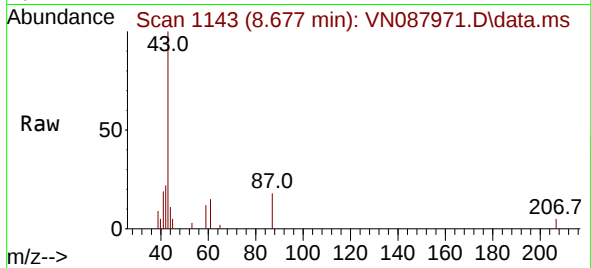




#43
Isopropyl Acetate
Concen: 2.061 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087971.D
Acq: 26 Sep 2025 16:52

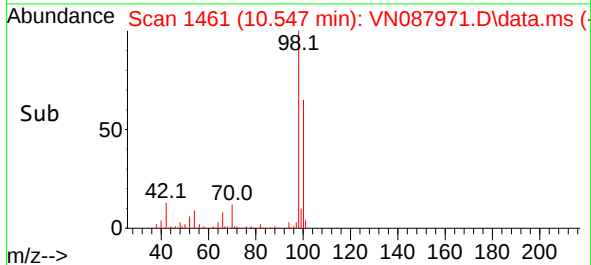
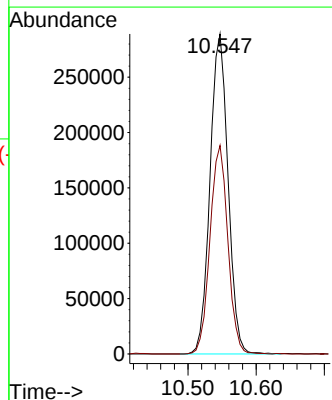
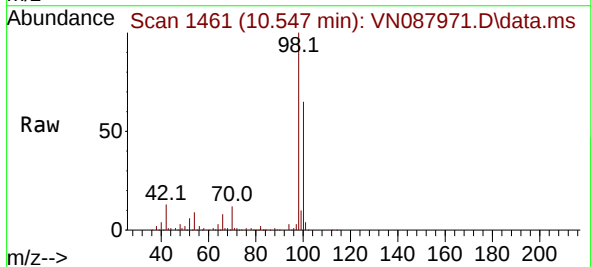
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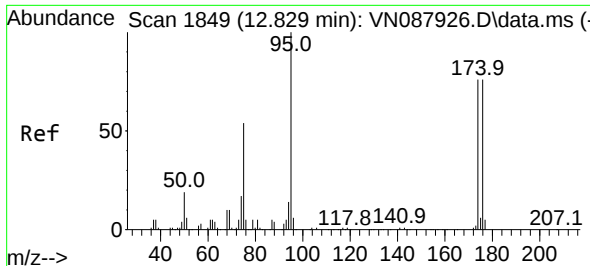
Tgt Ion: 43 Resp: 15509
Ion Ratio Lower Upper
43 100
61 18.7 20.2 30.2#
87 12.4 10.9 16.3



#50
Toluene-d8
Concen: 49.883 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087971.D
Acq: 26 Sep 2025 16:52

Tgt Ion: 98 Resp: 531135
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5

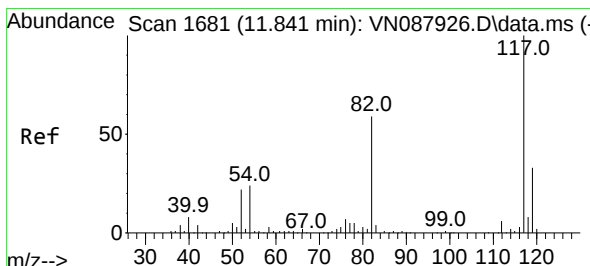
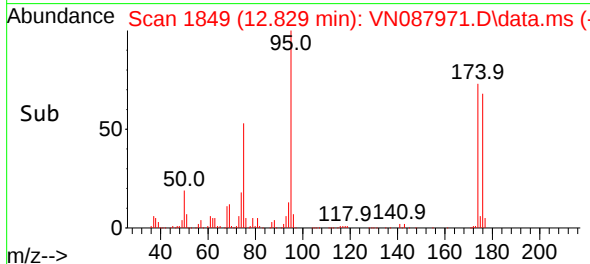
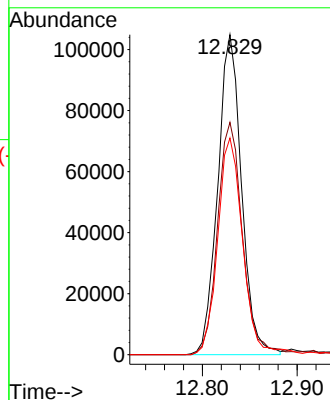
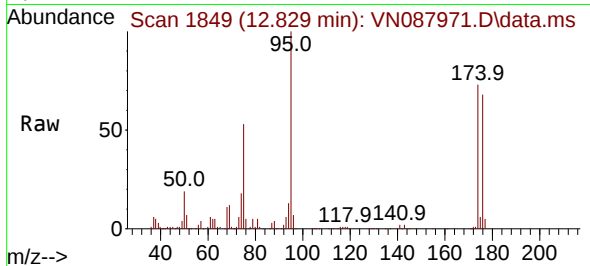




#62
4-Bromofluorobenzene
Concen: 48.183 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087971.D
Acq: 26 Sep 2025 16:52

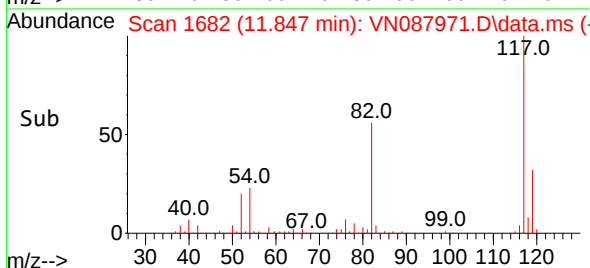
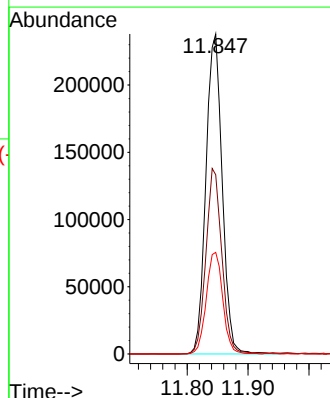
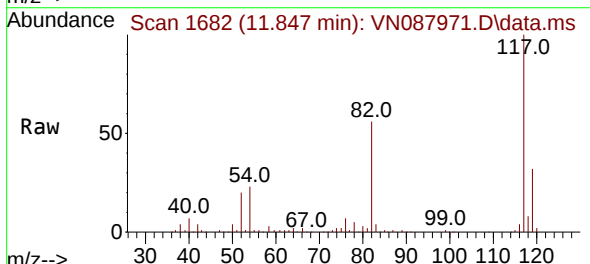
Instrument :
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WC-4

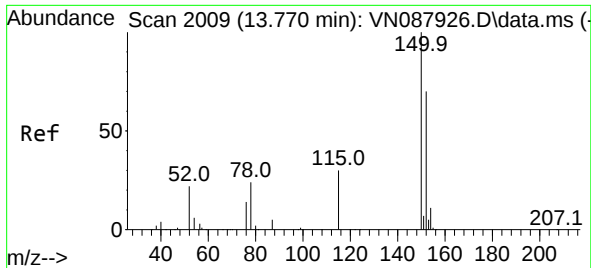
Tgt Ion: 95 Resp: 183380
Ion Ratio Lower Upper
95 100
174 76.0 0.0 159.2
176 71.0 0.0 152.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087971.D
Acq: 26 Sep 2025 16:52

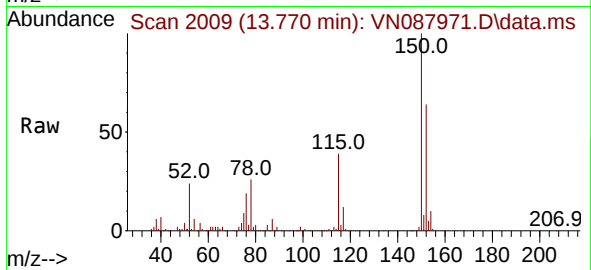
Tgt Ion: 117 Resp: 441155
Ion Ratio Lower Upper
117 100
82 56.0 47.0 70.4
119 31.7 26.1 39.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN087971.D
Acq: 26 Sep 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:	152	Resp:	196761
Ion	Ratio	Lower	Upper
152	100		
115	62.0	29.9	89.7
150	158.9	0.0	335.0

