

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
 Data File : VN087825.D
 Acq On : 15 Sep 2025 10:50
 Operator : JC\MD
 Sample : Q3083-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW4S

Quant Time: Sep 16 01:31:47 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)

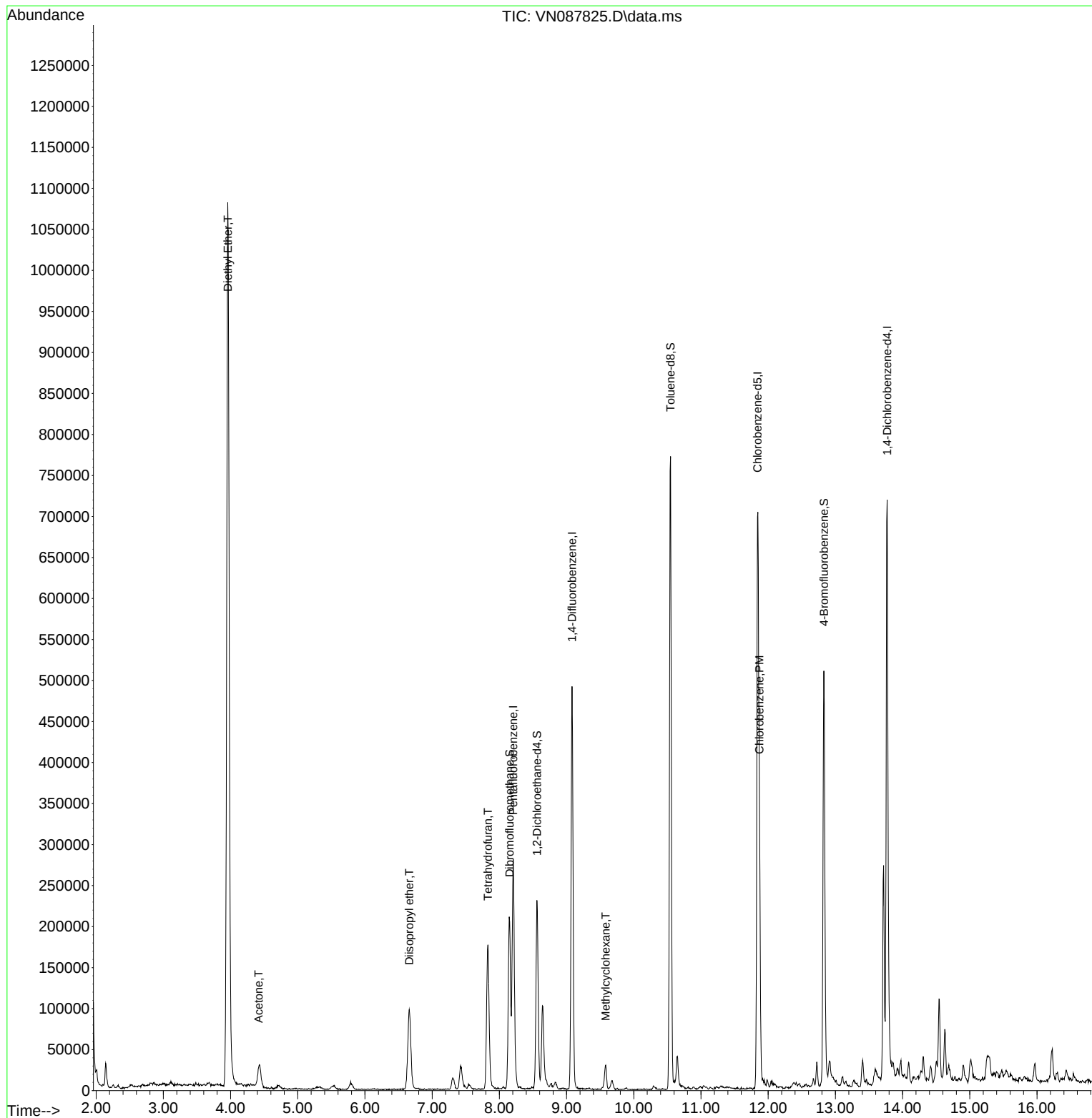
Internal Standards						
1) Pentafluorobenzene	8.206	168	187821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	405329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	389909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	188048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	188783	49.057	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.120%
35) Dibromofluoromethane	8.153	113	151475	51.760	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.520%
50) Toluene-d8	10.547	98	523037	47.752	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.500%
62) 4-Bromofluorobenzene	12.829	95	181914	46.701	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.400%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.959	74	646944	318.984	ug/l	97
16) Acetone	4.418	43	43052	20.551	ug/l	99
22) Diisopropyl ether	6.659	45	115261	10.884	ug/l #	93
29) Tetrahydrofuran	7.830	42	137795	77.689	ug/l	99
39) Methylcyclohexane	9.582	83	10225	2.069	ug/l	91
65) Chlorobenzene	11.871	112	158841	16.375	ug/l	97

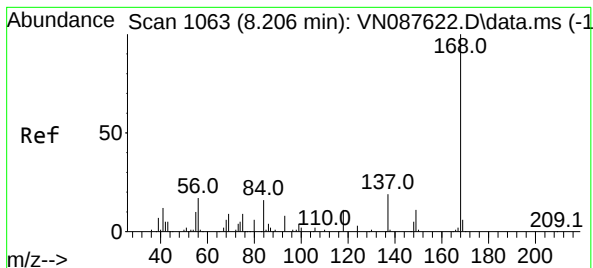
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

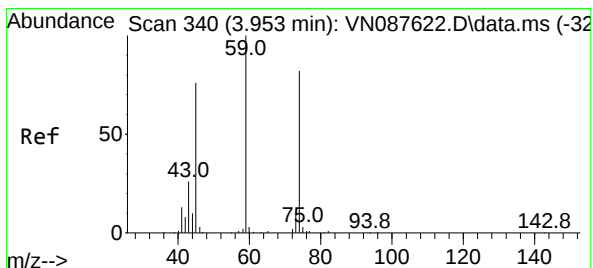
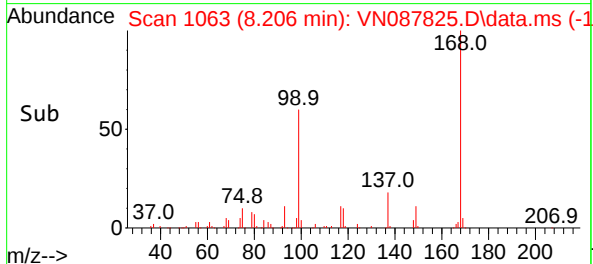
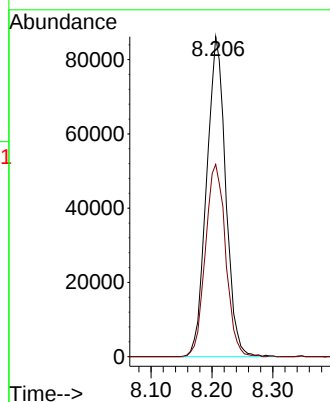
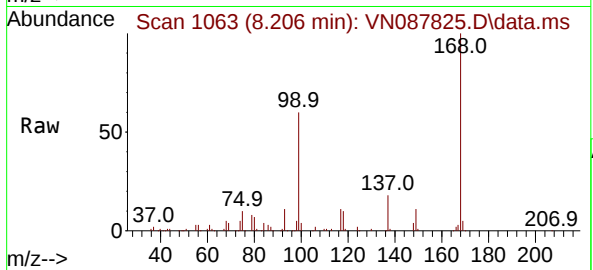




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

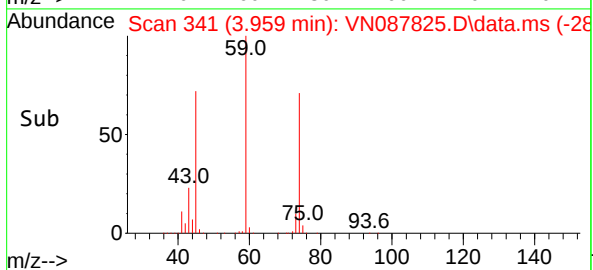
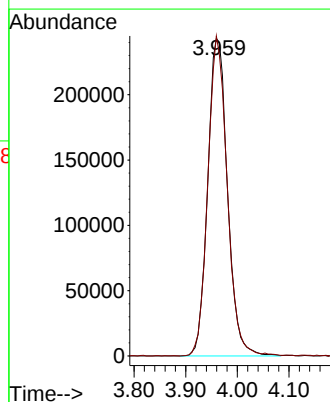
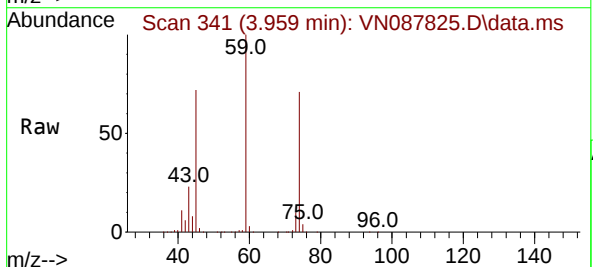
Instrument :
MSVOA_N
ClientSampleId :
MW4S

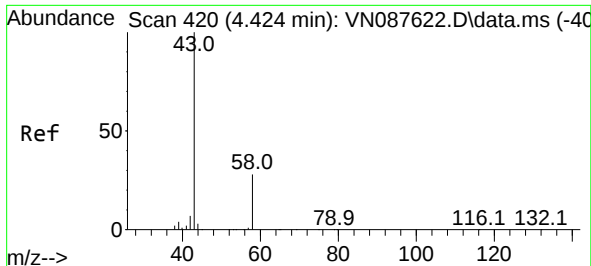
Tgt Ion:168 Resp: 187821
Ion Ratio Lower Upper
168 100
99 60.1 57.2 85.8



#8
Diethyl Ether
Concen: 318.984 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion: 74 Resp: 646944
Ion Ratio Lower Upper
74 100
45 98.6 50.6 151.9

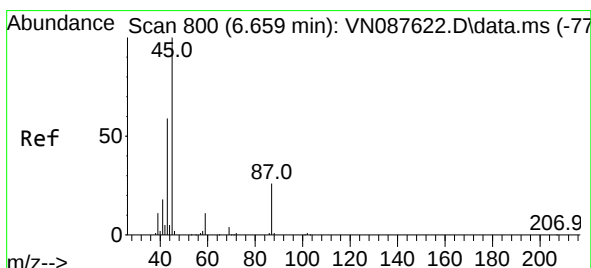
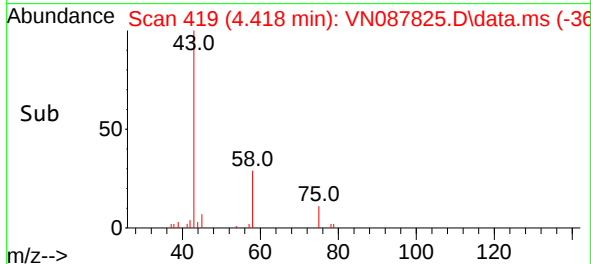
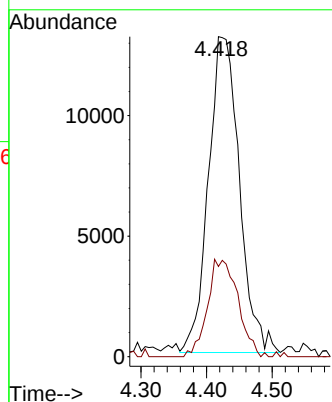
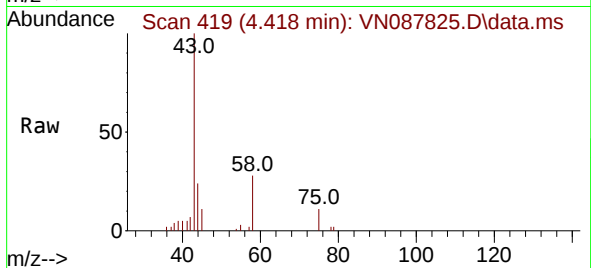




#16
Acetone
Concen: 20.551 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

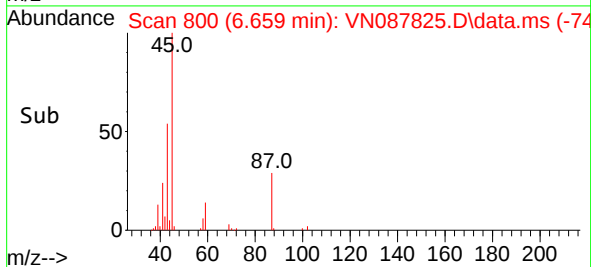
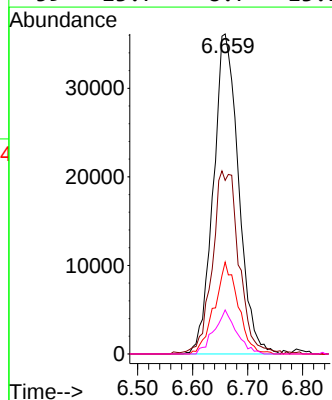
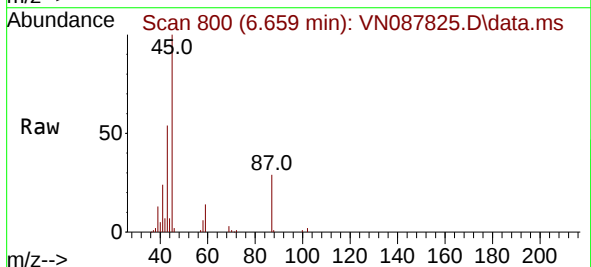
Instrument :
MSVOA_N
ClientSampleId :
MW4S

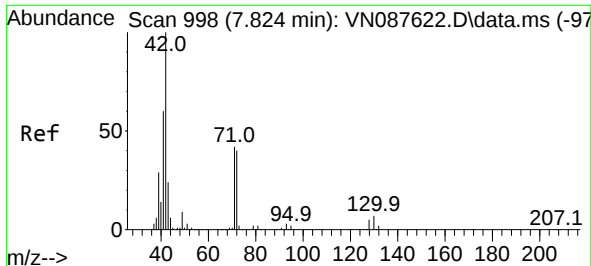
Tgt Ion: 43 Resp: 43052
Ion Ratio Lower Upper
43 100
58 28.6 22.6 33.8



#22
Diisopropyl ether
Concen: 10.884 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion: 45 Resp: 115261
Ion Ratio Lower Upper
45 100
43 53.8 47.7 71.5
87 28.7 21.4 32.0
59 13.7 8.7 13.1#





#29

Tetrahydrofuran

Concen: 77.689 ug/l

RT: 7.830 min Scan# 998

Delta R.T. 0.006 min

Lab File: VN087825.D

Acq: 15 Sep 2025 10:50

Instrument :

MSVOA_N

ClientSampleId :

MW4S

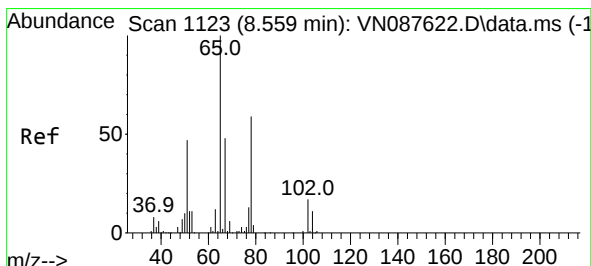
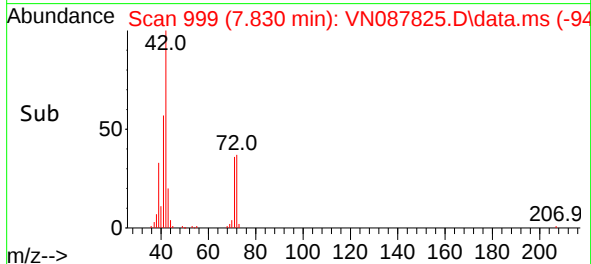
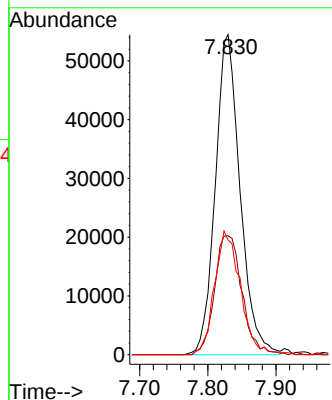
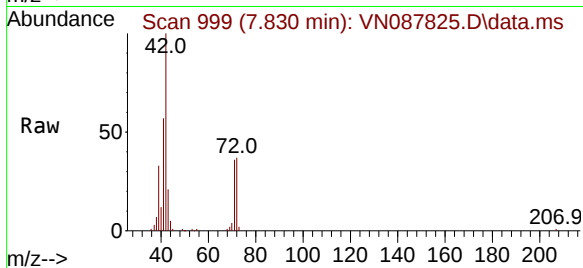
Tgt Ion: 42 Resp: 137795

Ion Ratio Lower Upper

42 100

72 41.2 33.7 50.5

71 40.4 31.9 47.9



#33

1,2-Dichloroethane-d4

Concen: 49.057 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087825.D

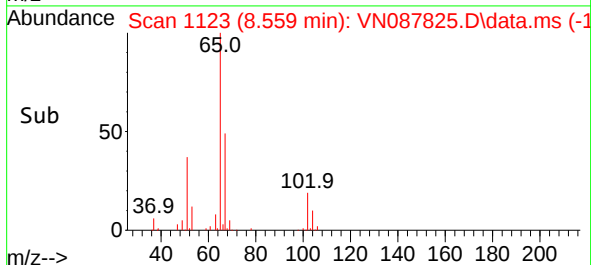
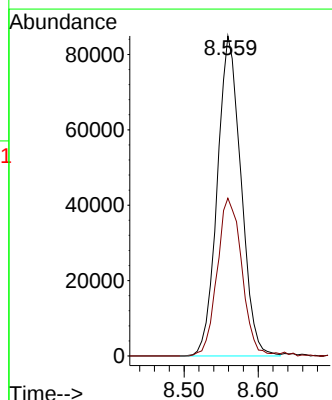
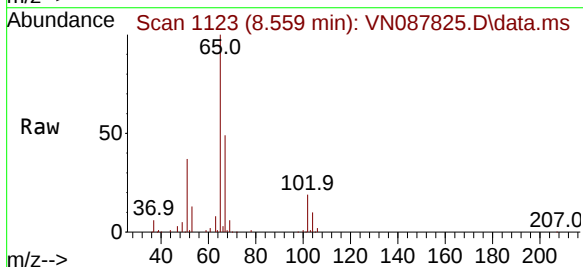
Acq: 15 Sep 2025 10:50

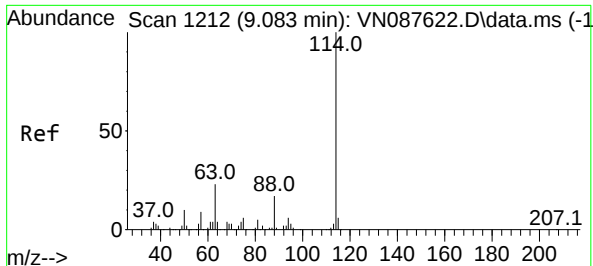
Tgt Ion: 65 Resp: 188783

Ion Ratio Lower Upper

65 100

67 51.0 0.0 100.0

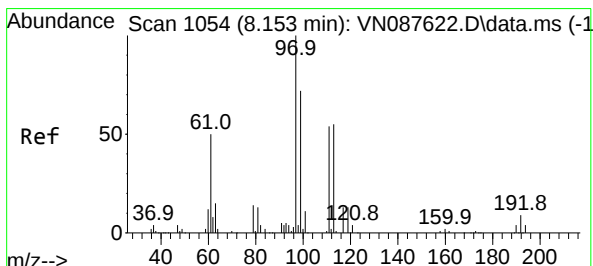
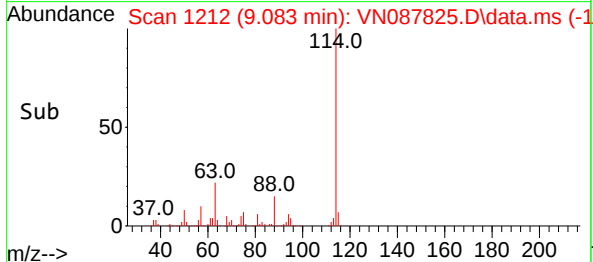
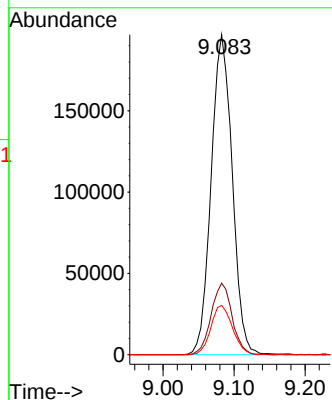
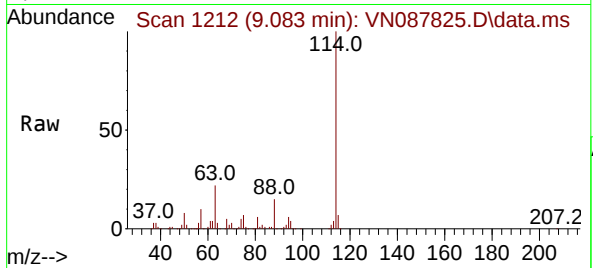




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

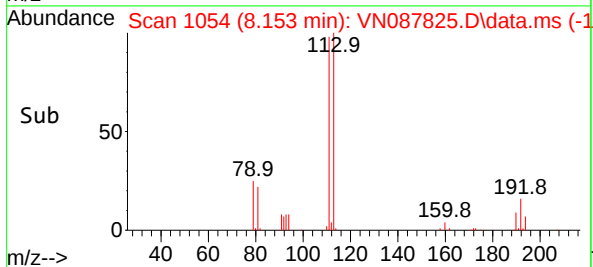
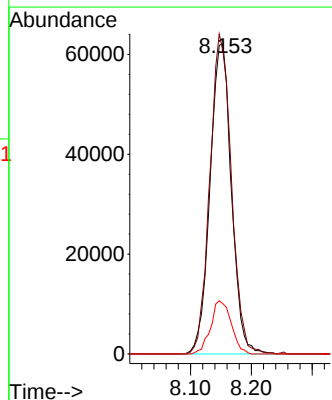
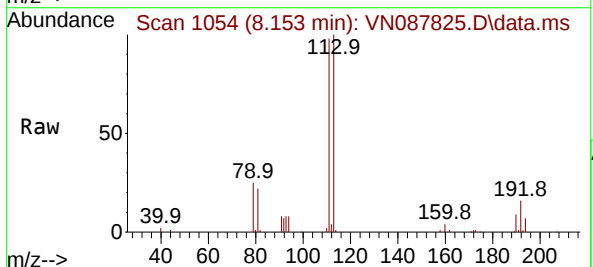
Instrument :
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ClientSampleId :
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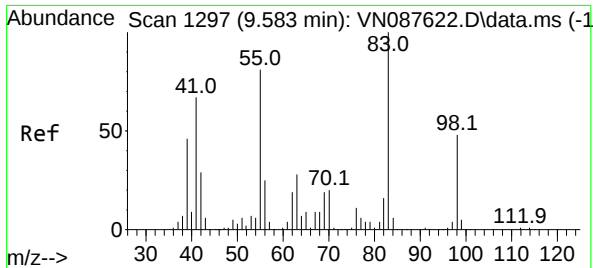
Tgt Ion:	114	Resp:	405329
Ion Ratio	Lower	Upper	
114	100		
63	22.4	0.0	45.2
88	15.4	0.0	33.4



#35
Dibromofluoromethane
Concen: 51.760 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion:	113	Resp:	151475
Ion Ratio	Lower	Upper	
113	100		
111	103.7	82.8	124.2
192	16.6	12.8	19.2

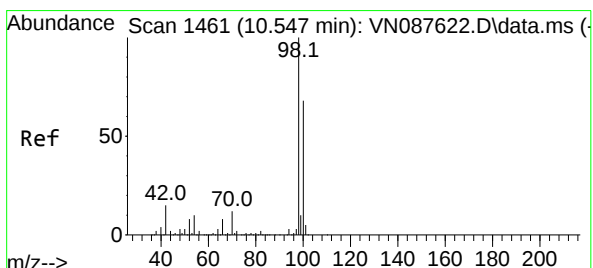
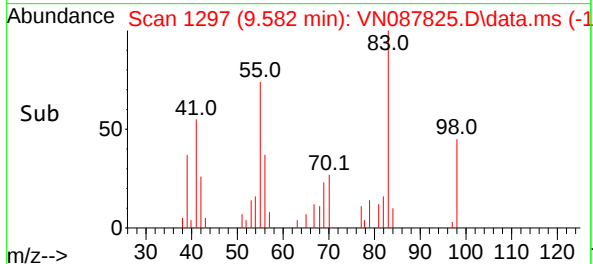
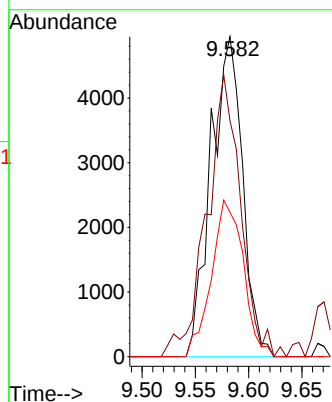
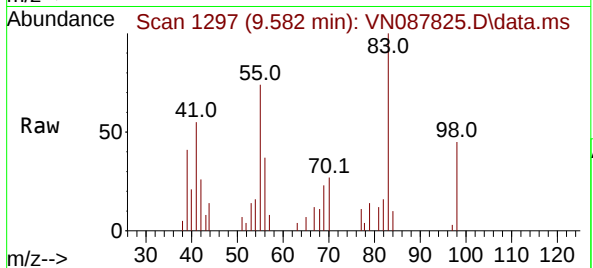




#39
Methylcyclohexane
Concen: 2.069 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

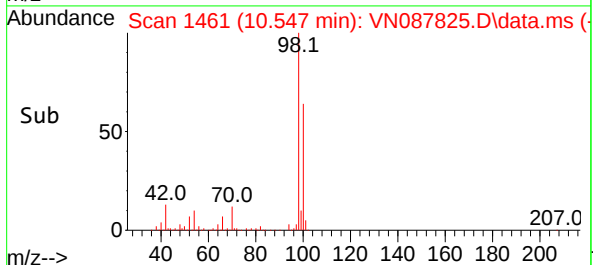
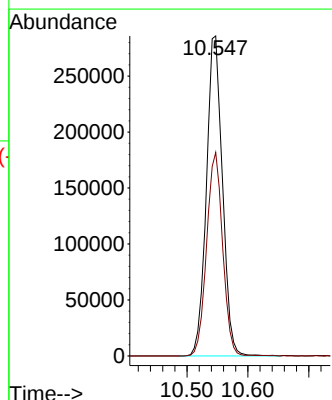
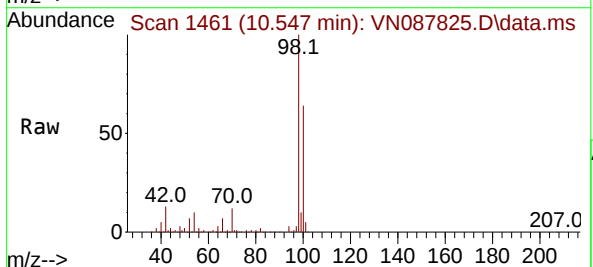
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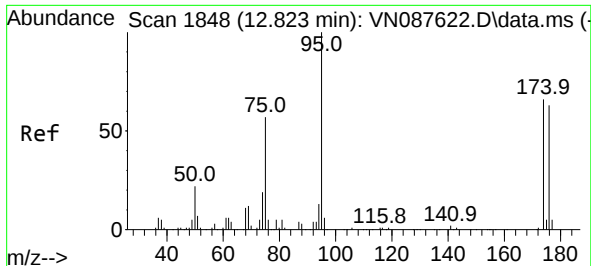
Tgt Ion: 83 Resp: 10225
Ion Ratio Lower Upper
83 100
55 70.7 64.6 96.8
98 45.2 38.4 57.6



#50
Toluene-d8
Concen: 47.752 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion: 98 Resp: 523037
Ion Ratio Lower Upper
98 100
100 63.5 52.8 79.2

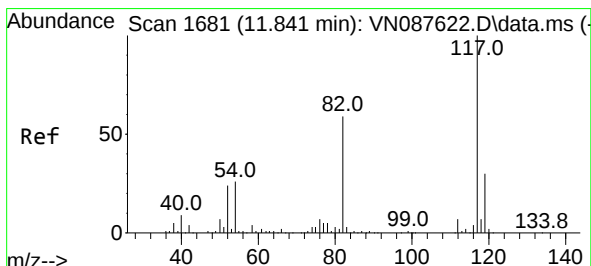
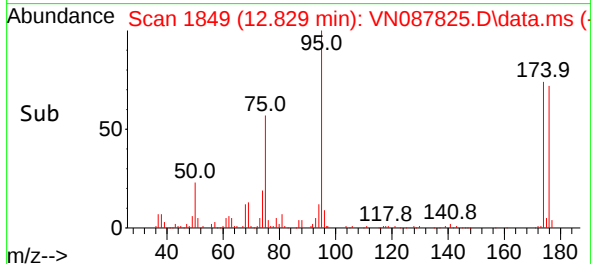
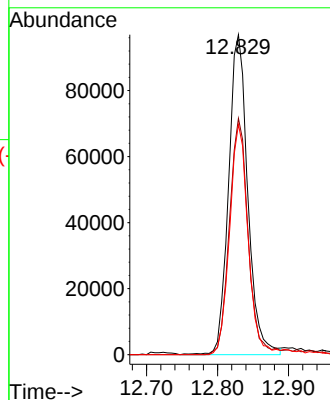
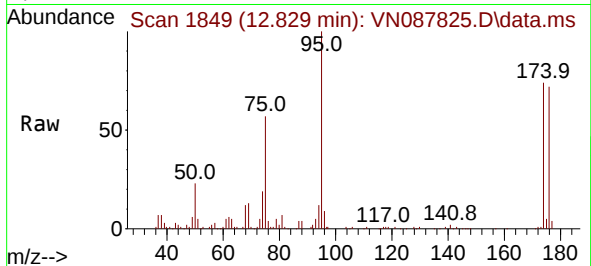




#62
4-Bromofluorobenzene
Concen: 46.701 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

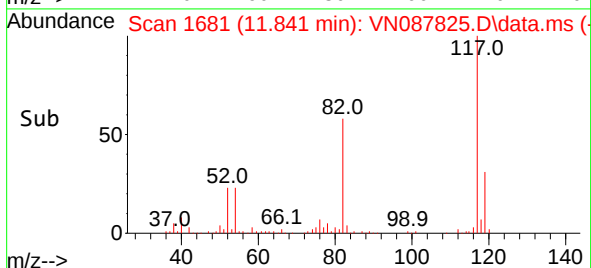
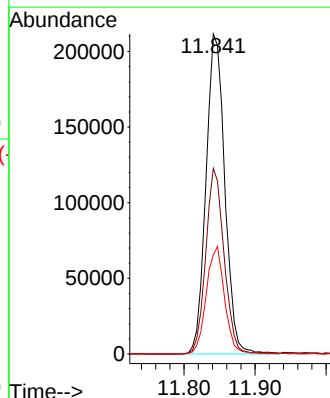
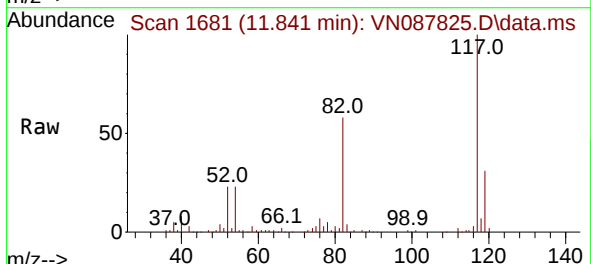
Instrument :
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ClientSampleId :
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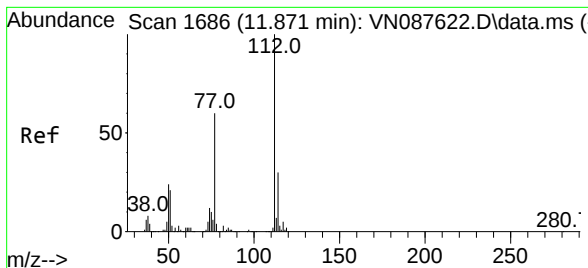
Tgt Ion: 95 Resp: 181914
Ion Ratio Lower Upper
95 100
174 73.1 0.0 138.4
176 71.2 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion: 117 Resp: 389909
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 30.9 24.3 36.5

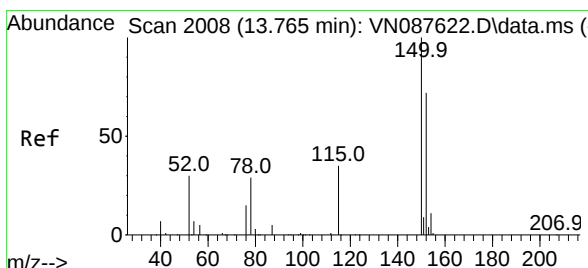
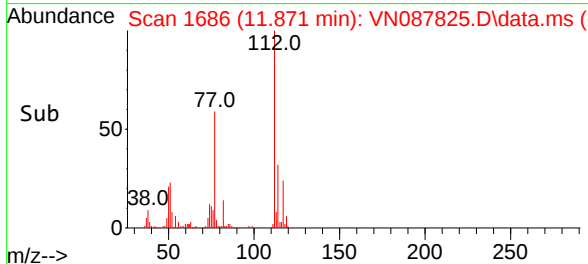
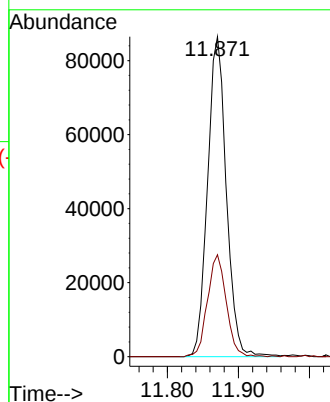
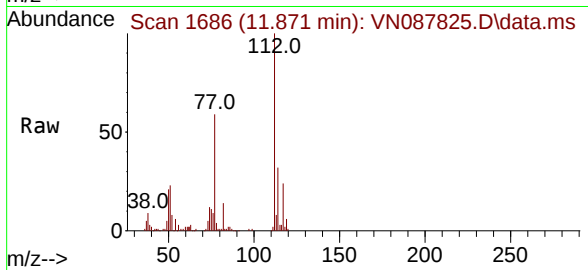




#65
Chlorobenzene
Concen: 16.375 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
MW4S

Tgt Ion:112 Resp: 158841
Ion Ratio Lower Upper
112 100
114 31.8 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: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion:152 Resp: 188048
Ion Ratio Lower Upper
152 100
115 65.4 32.3 96.8
150 164.4 0.0 351.0

