

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087083.D
 Acq On : 18 Jun 2025 14:18
 Operator : JC\MD
 Sample : Q2341-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

Quant Time: Jun 19 01:28:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

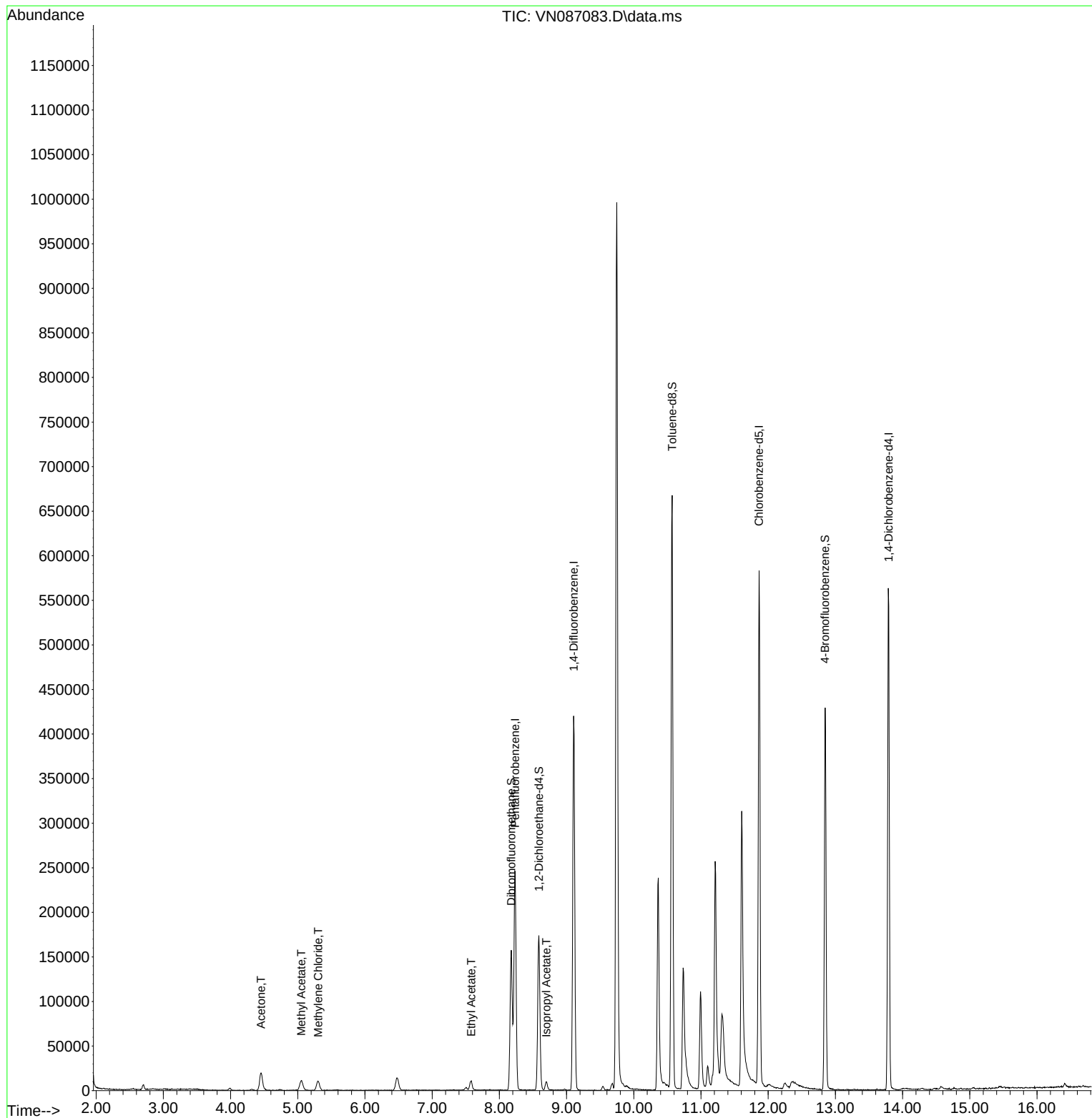
Internal Standards						
1) Pentafluorobenzene	8.235	168	195994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	394336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	361007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	143905	54.839	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.680%
35) Dibromofluoromethane	8.177	113	122039	52.222	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.440%
50) Toluene-d8	10.571	98	489669	52.930	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.860%
62) 4-Bromofluorobenzene	12.847	95	169879	49.425	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.840%
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	40138	28.843	ug/l	93
18) Methyl Acetate	5.053	43	25059	6.179	ug/l	99
20) Methylene Chloride	5.306	84	9703	3.724	ug/l #	92
37) Ethyl Acetate	7.583	43	17065	3.850	ug/l	99
43) Isopropyl Acetate	8.700	43	10950	1.539	ug/l	93

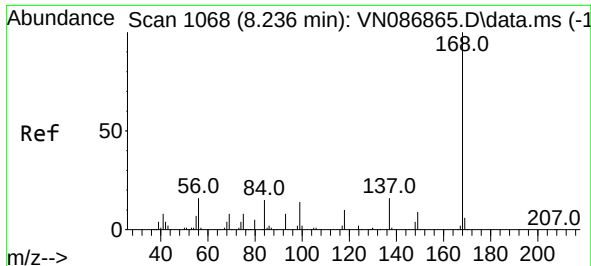
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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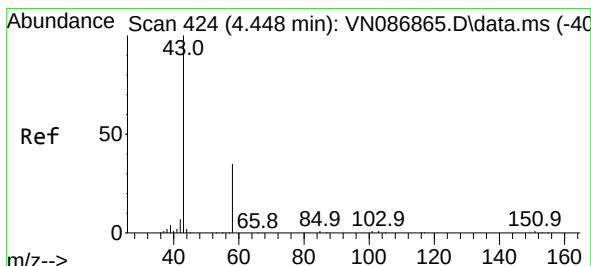
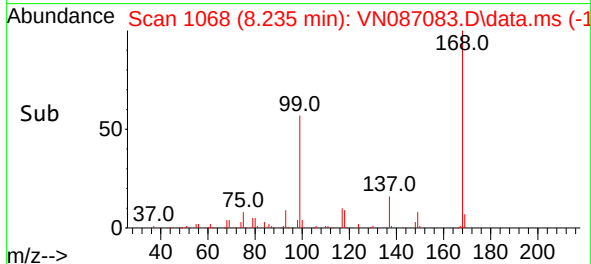
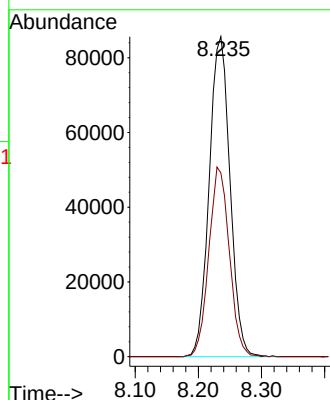
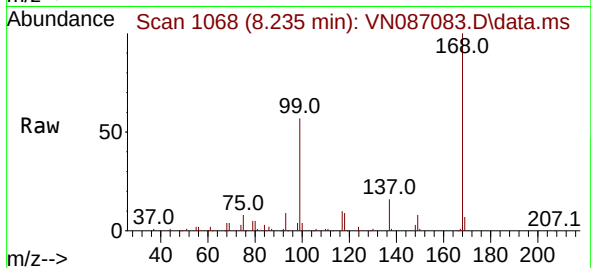




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087083.D
Acq: 18 Jun 2025 14:18

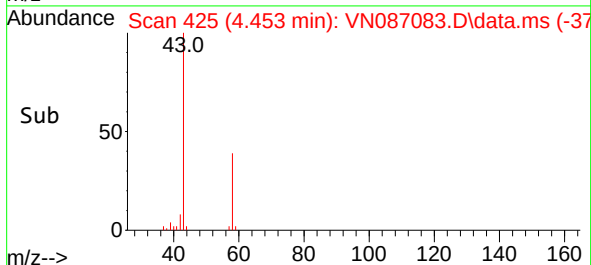
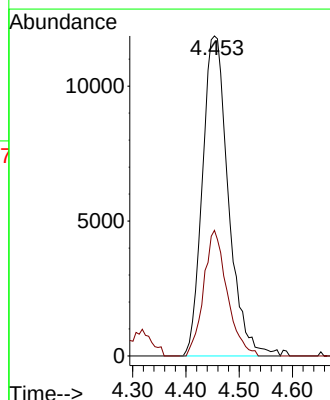
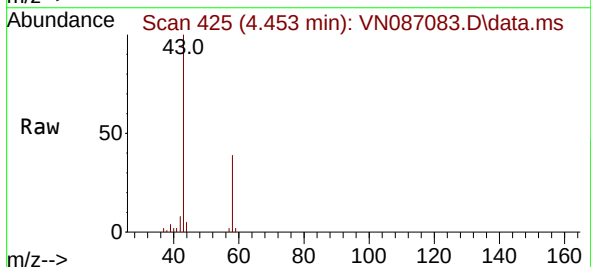
Instrument :
MSVOA_N
ClientSampleId :
TP-9

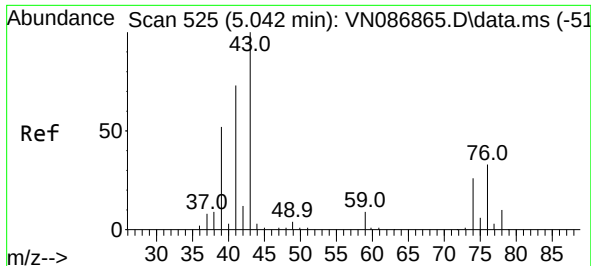
Tgt Ion:168 Resp: 195994
Ion Ratio Lower Upper
168 100
99 57.5 49.1 73.7



#16
Acetone
Concen: 28.843 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087083.D
Acq: 18 Jun 2025 14:18

Tgt Ion: 43 Resp: 40138
Ion Ratio Lower Upper
43 100
58 39.2 28.0 42.0

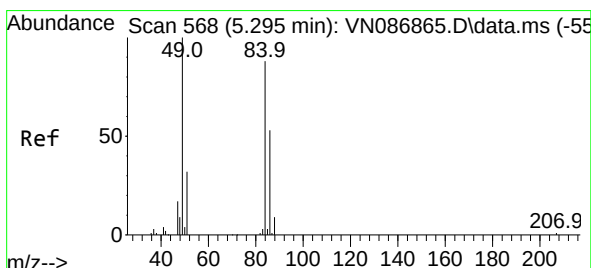
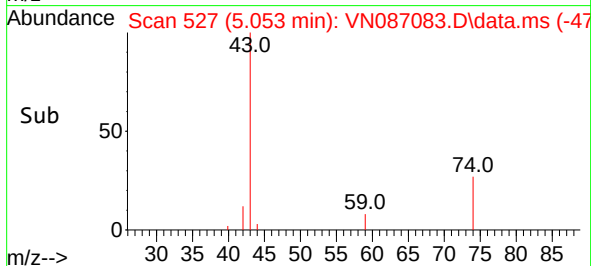
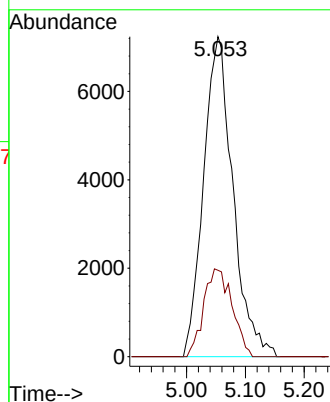
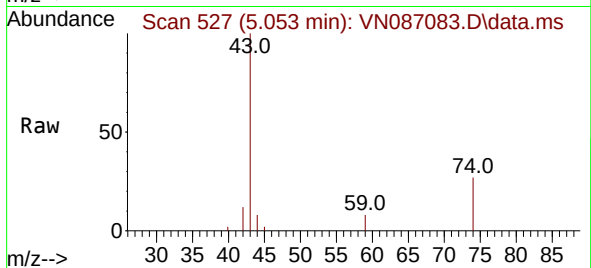




#18
Methyl Acetate
Concen: 6.179 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087083.D
Acq: 18 Jun 2025 14:18

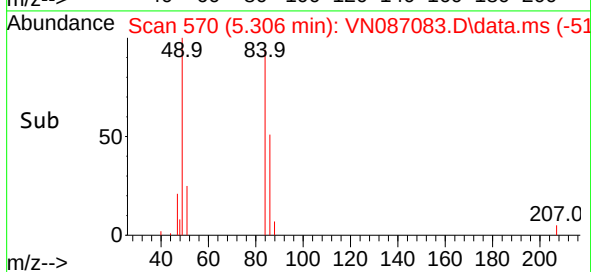
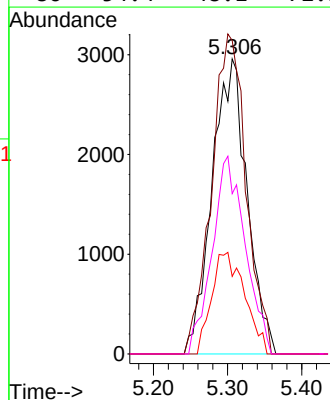
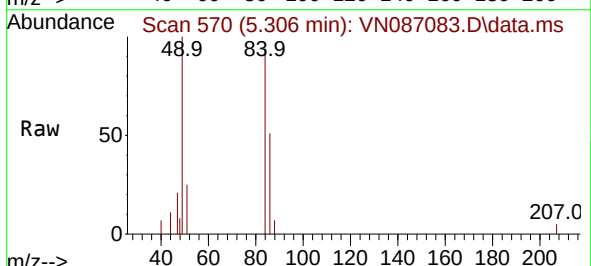
Instrument :
MSVOA_N
ClientSampleId :
TP-9

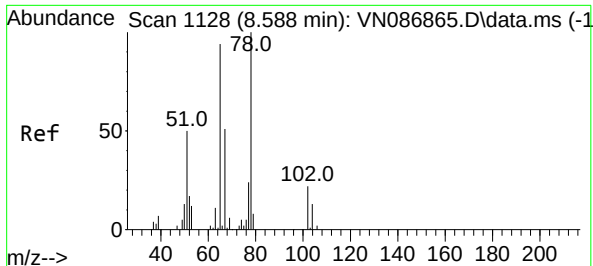
Tgt Ion: 43 Resp: 25059
Ion Ratio Lower Upper
43 100
74 26.6 20.7 31.1



#20
Methylene Chloride
Concen: 3.724 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN087083.D
Acq: 18 Jun 2025 14:18

Tgt Ion: 84 Resp: 9703
Ion Ratio Lower Upper
84 100
49 106.2 90.5 135.7
51 26.3 28.5 42.7#
86 54.4 48.1 72.1





#33

1,2-Dichloroethane-d4

Concen: 54.839 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087083.D

Acq: 18 Jun 2025 14:18

Instrument :

MSVOA_N

ClientSampleId :

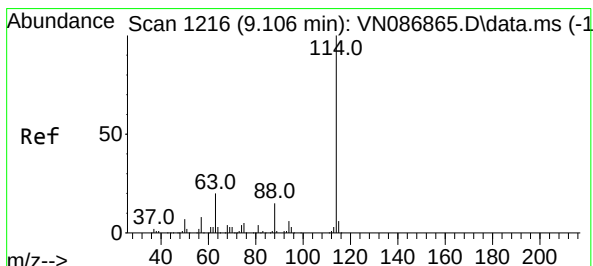
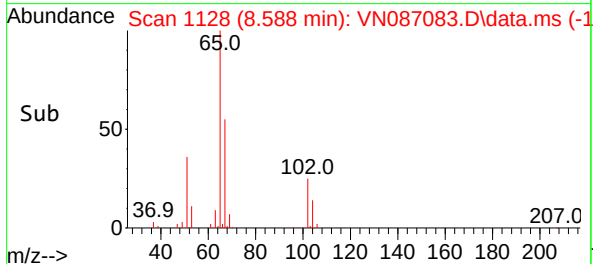
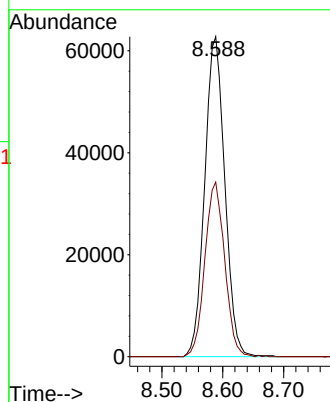
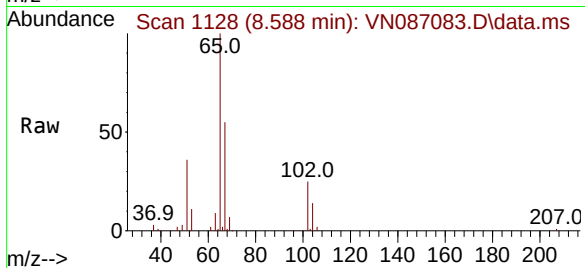
TP-9

Tgt Ion: 65 Resp: 143905

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087083.D

Acq: 18 Jun 2025 14:18

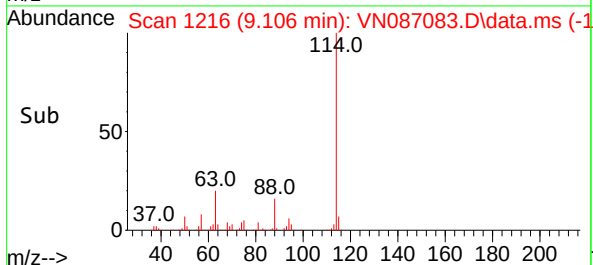
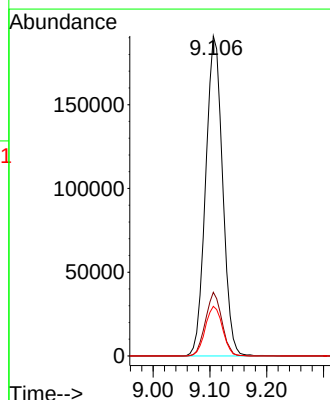
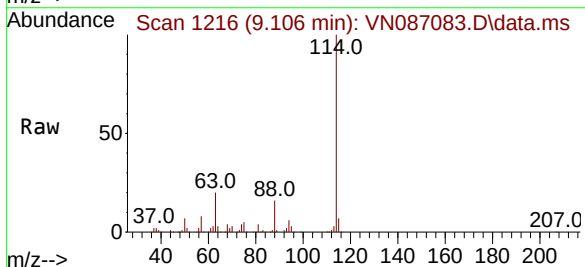
Tgt Ion: 114 Resp: 394336

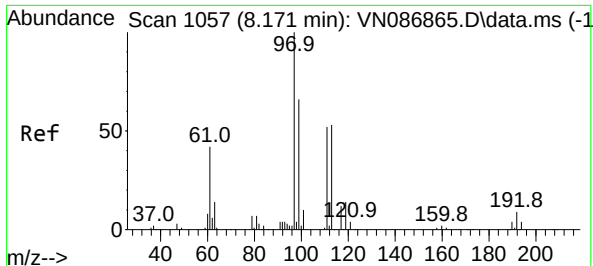
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 15.5 0.0 30.2

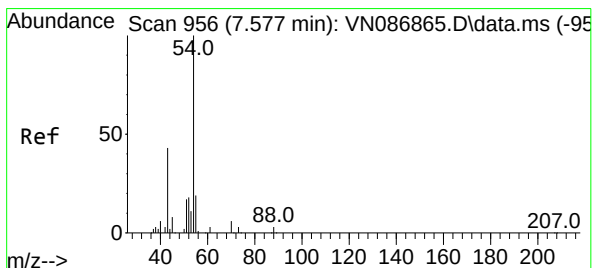
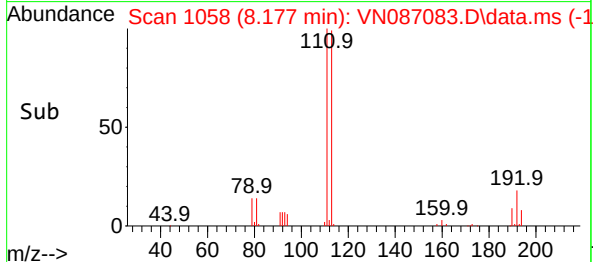
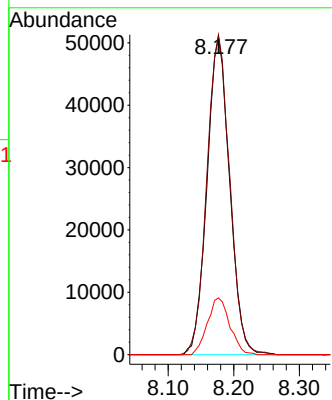
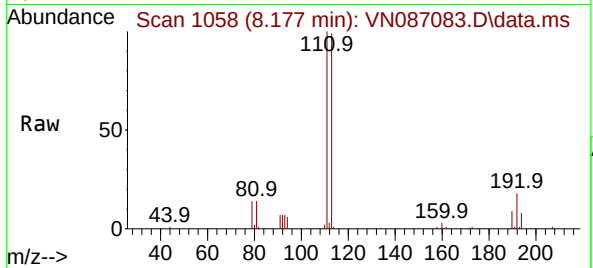




#35
Dibromofluoromethane
Concen: 52.222 ug/l
RT: 8.177 min Scan# 110
Delta R.T. 0.006 min
Lab File: VN087083.D
Acq: 18 Jun 2025 14:18

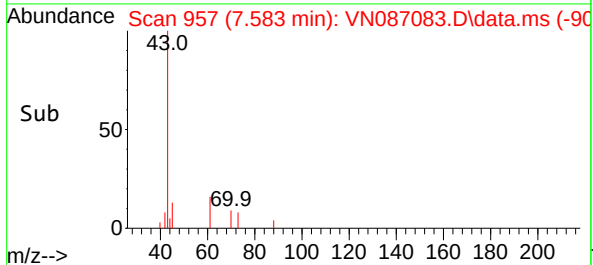
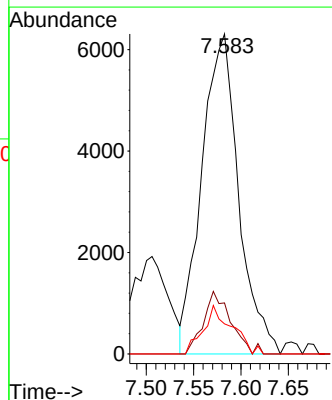
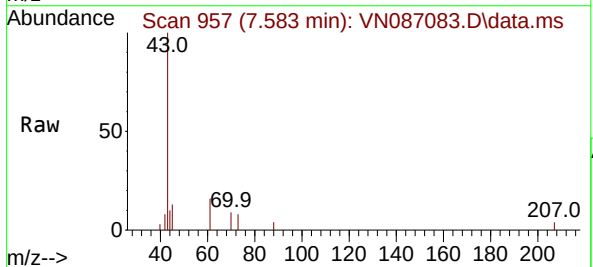
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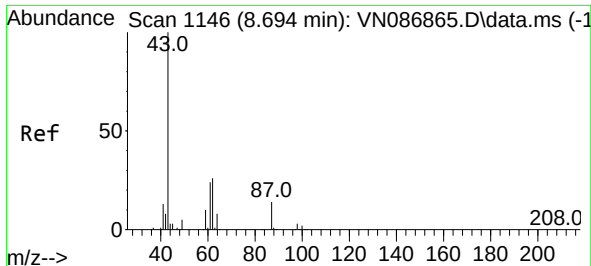
Tgt Ion:113 Resp: 122039
Ion Ratio Lower Upper
113 100
111 101.9 84.2 126.2
192 17.6 14.2 21.4



#37
Ethyl Acetate
Concen: 3.850 ug/l
RT: 7.583 min Scan# 957
Delta R.T. 0.006 min
Lab File: VN087083.D
Acq: 18 Jun 2025 14:18

Tgt Ion: 43 Resp: 17065
Ion Ratio Lower Upper
43 100
61 14.6 12.1 18.1
70 11.8 9.8 14.6

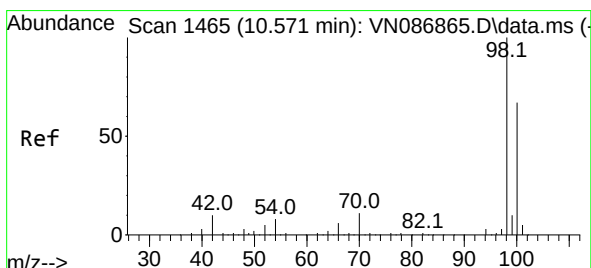
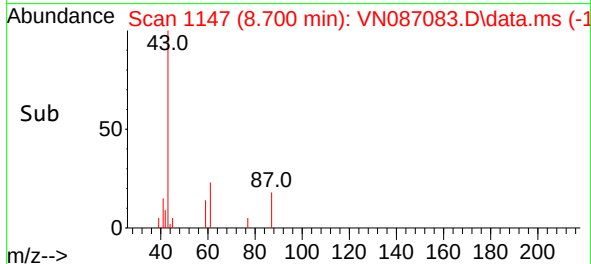
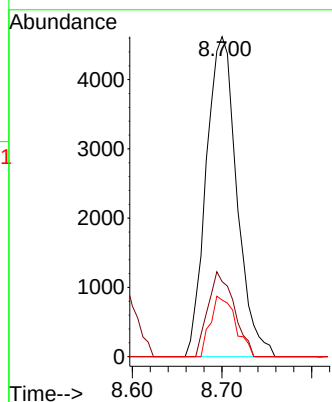
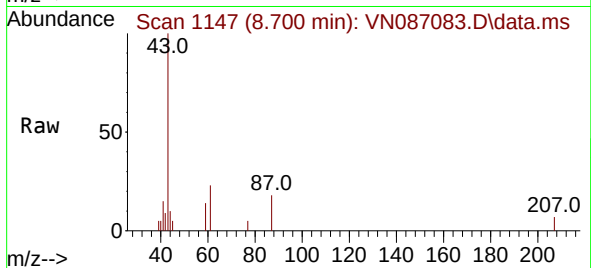




#43
Isopropyl Acetate
Concen: 1.539 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN087083.D
Acq: 18 Jun 2025 14:18

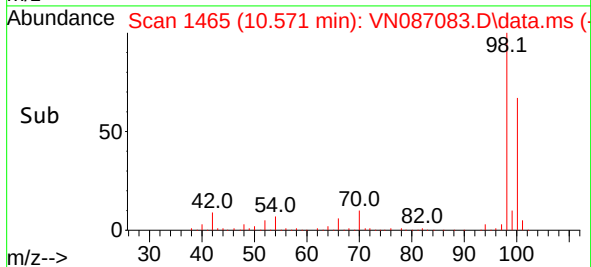
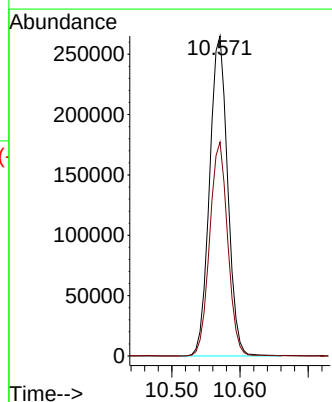
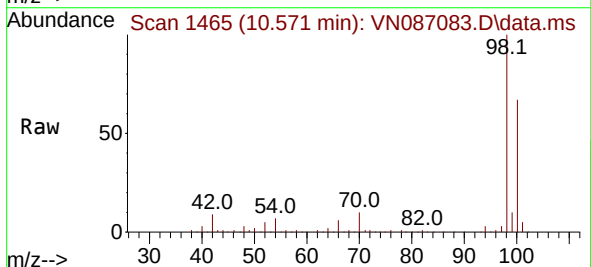
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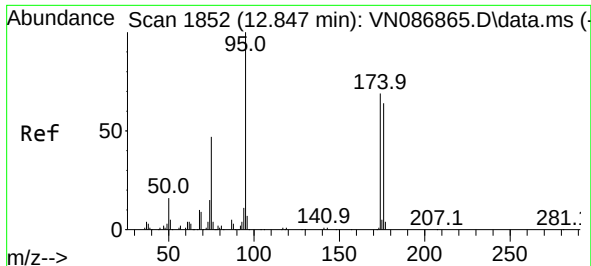
Tgt Ion: 43 Resp: 10950
Ion Ratio Lower Upper
43 100
61 22.6 22.1 33.1
87 15.5 11.8 17.6



#50
Toluene-d8
Concen: 52.930 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087083.D
Acq: 18 Jun 2025 14:18

Tgt Ion: 98 Resp: 489669
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0

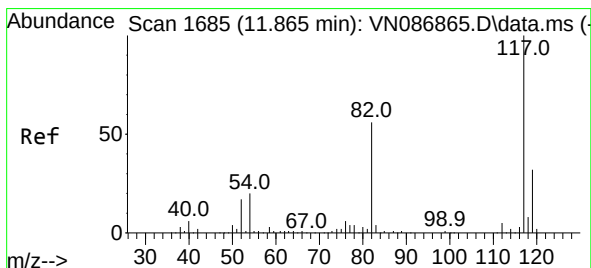
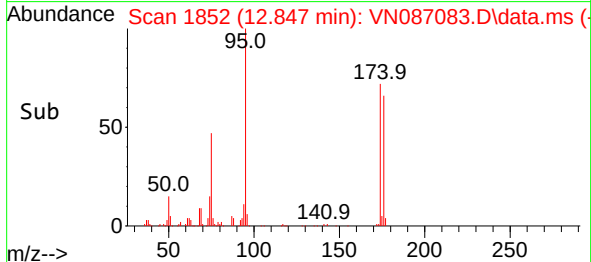
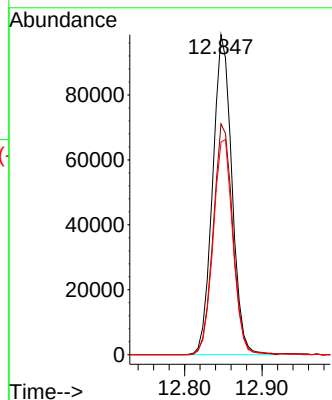
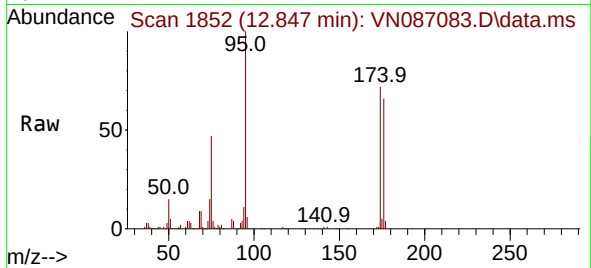




#62
4-Bromofluorobenzene
Concen: 49.425 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087083.D
Acq: 18 Jun 2025 14:18

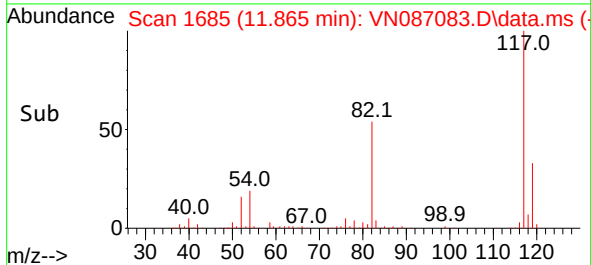
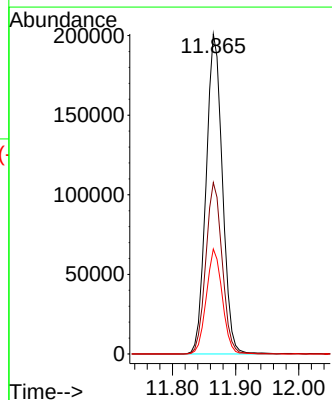
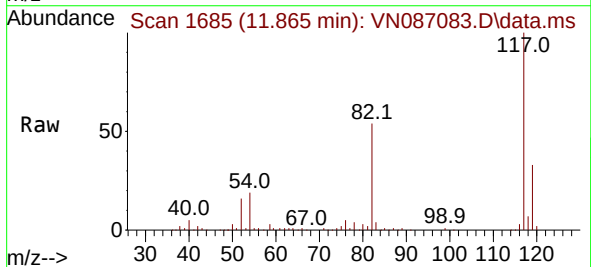
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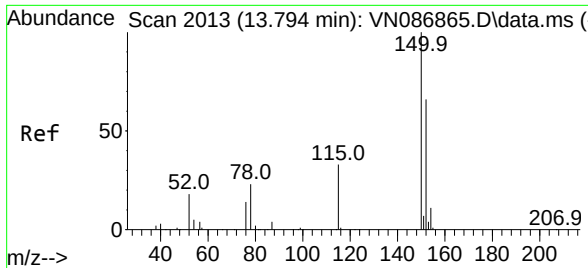
Tgt Ion: 95 Resp: 169879
Ion Ratio Lower Upper
95 100
174 73.1 0.0 141.8
176 69.4 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087083.D
Acq: 18 Jun 2025 14:18

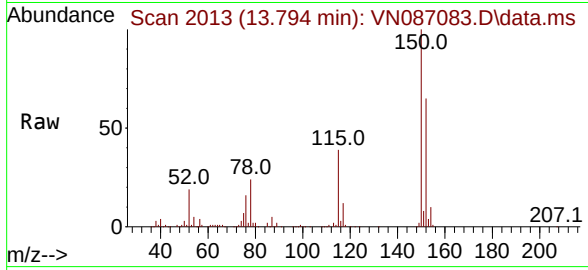
Tgt Ion: 117 Resp: 361007
Ion Ratio Lower Upper
117 100
82 53.6 44.6 67.0
119 32.8 25.5 38.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN087083.D
 Acq: 18 Jun 2025 14:18

Instrument :
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Tgt Ion:	152	Resp:	167899
Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.1	90.5
150	158.2	0.0	345.0

