

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087133.D
 Acq On : 20 Jun 2025 13:04
 Operator : JC\MD
 Sample : Q2367-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP-4

Quant Time: Jun 20 23:04:39 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)

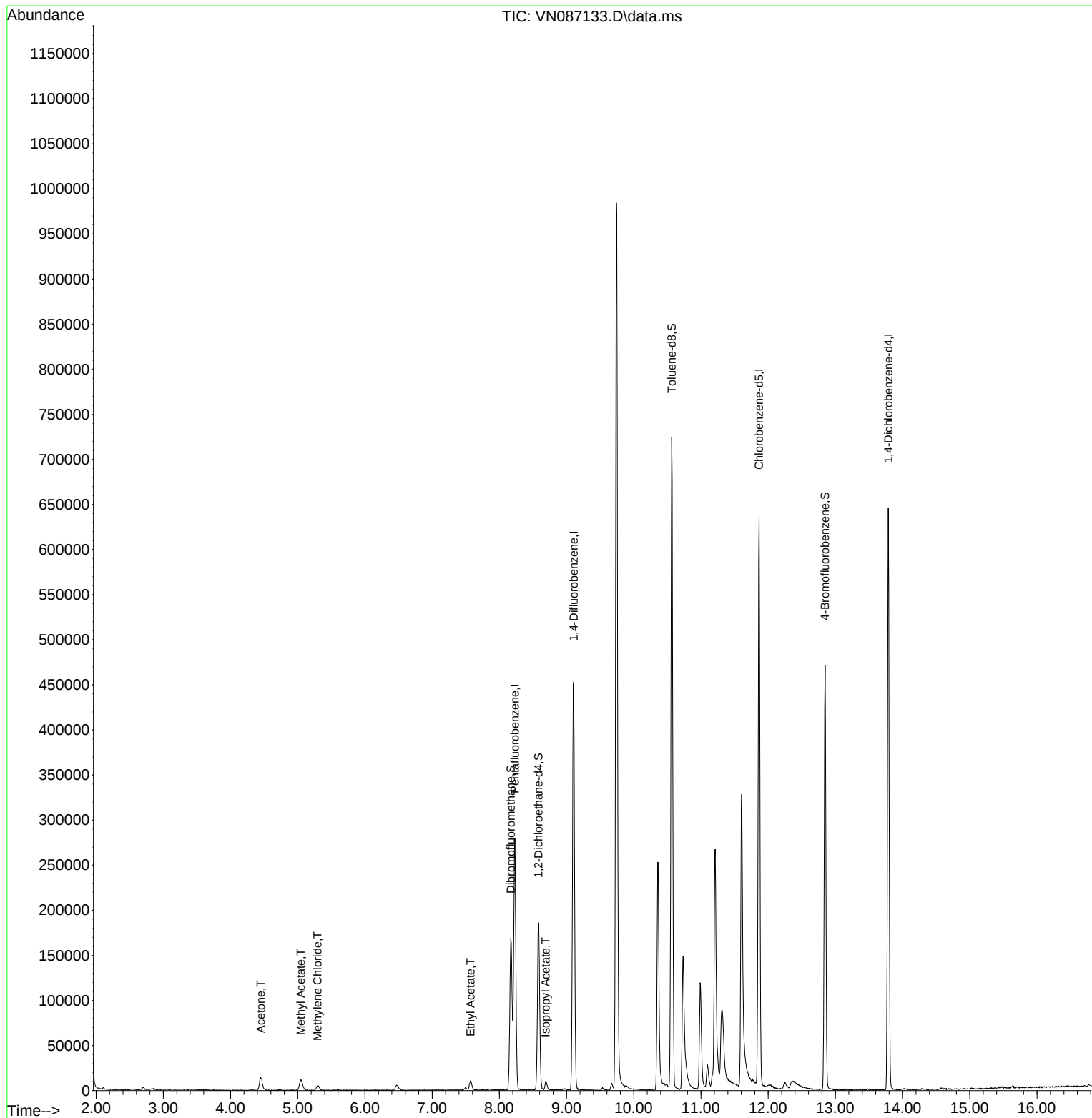
Internal Standards						
1) Pentafluorobenzene	8.229	168	217895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	434510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	395910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	186922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	152750	52.359	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.720%	
35) Dibromofluoromethane	8.171	113	131339	51.005	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.020%	
50) Toluene-d8	10.565	98	536753	52.655	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.300%	
62) 4-Bromofluorobenzene	12.847	95	188760	49.840	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.680%	
Target Compounds						
					Qvalue	
16) Acetone	4.447	43	28691	18.545	ug/l	98
18) Methyl Acetate	5.047	43	25608	5.680	ug/l	98
20) Methylene Chloride	5.294	84	4758	1.643	ug/l #	79
37) Ethyl Acetate	7.571	43	16383	3.354	ug/l	99
43) Isopropyl Acetate	8.688	43	10735	1.369	ug/l	96

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

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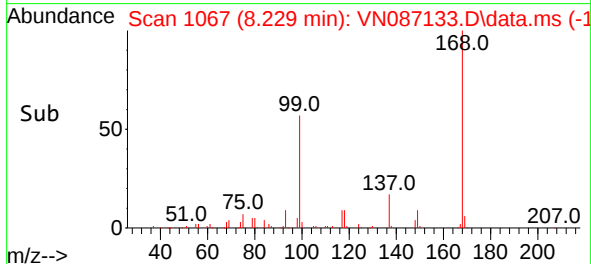
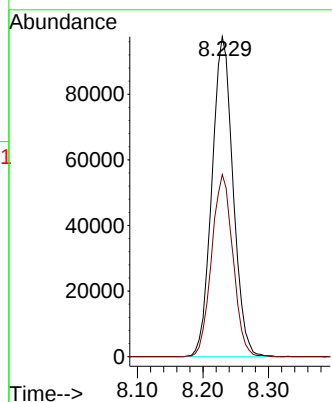
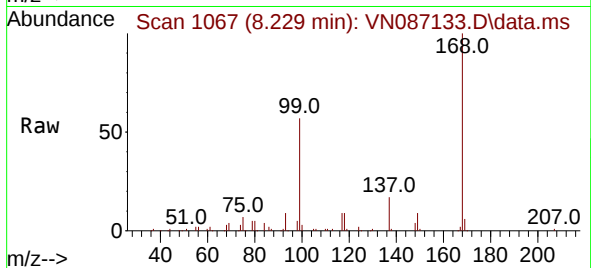




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN087133.D
Acq: 20 Jun 2025 13:04

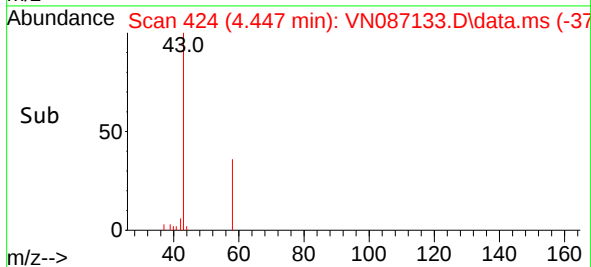
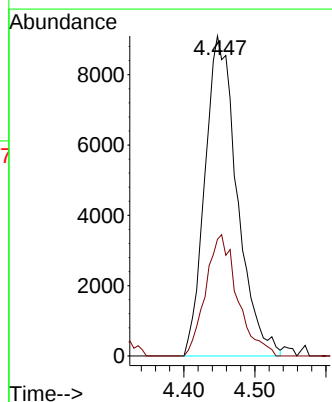
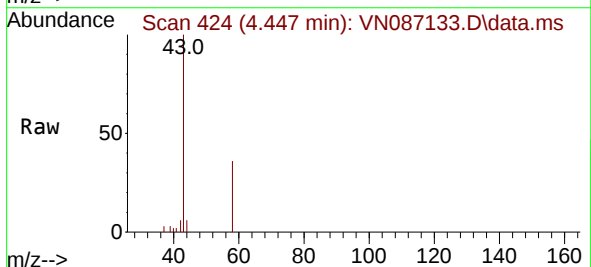
Instrument :
MSVOA_N
ClientSampleId :
EP-4

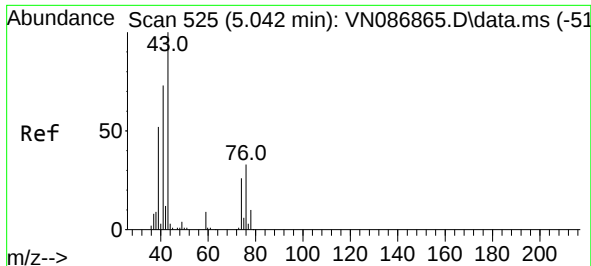
Tgt Ion:168 Resp: 217895
Ion Ratio Lower Upper
168 100
99 56.9 49.1 73.7



#16
Acetone
Concen: 18.545 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087133.D
Acq: 20 Jun 2025 13:04

Tgt Ion: 43 Resp: 28691
Ion Ratio Lower Upper
43 100
58 36.4 28.0 42.0

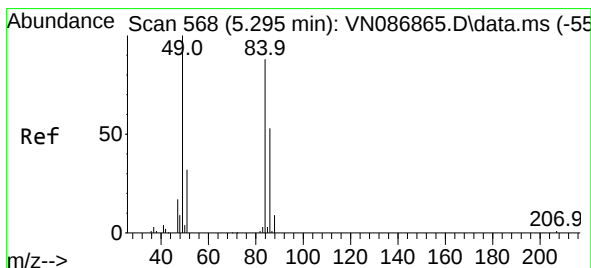
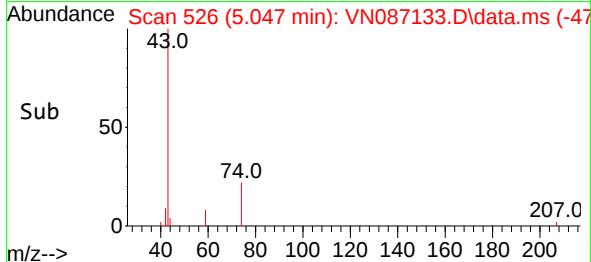
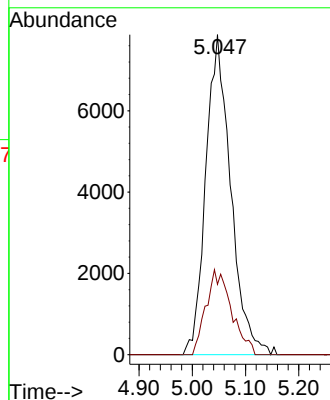
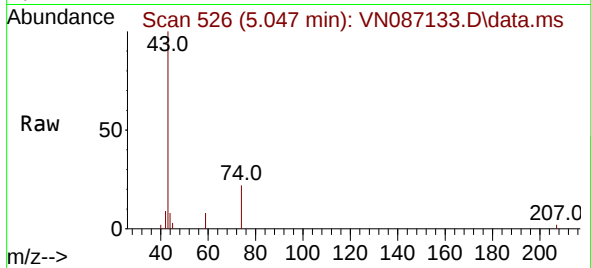




#18
Methyl Acetate
Concen: 5.680 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087133.D
Acq: 20 Jun 2025 13:04

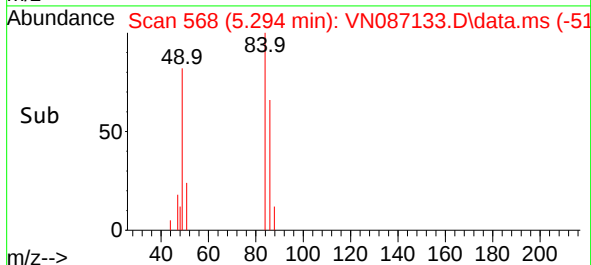
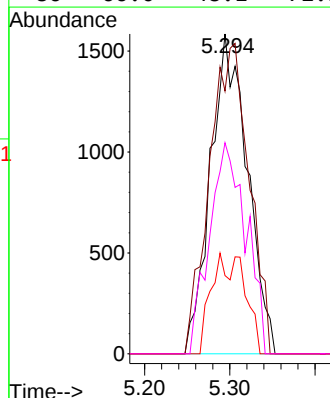
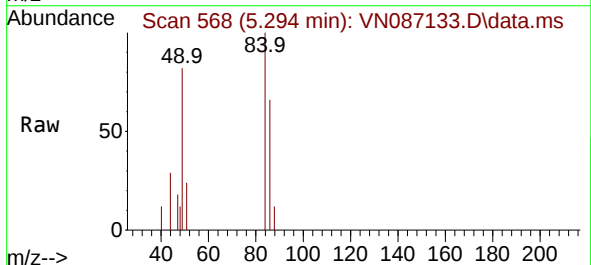
Instrument :
MSVOA_N
ClientSampleId :
EP-4

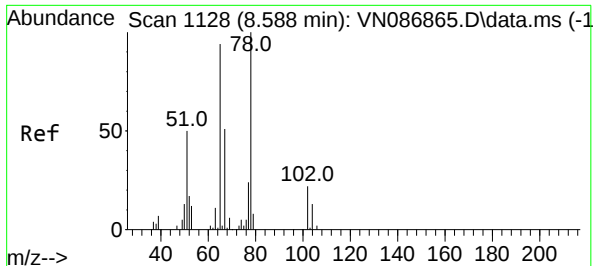
Tgt Ion: 43 Resp: 25608
Ion Ratio Lower Upper
43 100
74 27.1 20.7 31.1



#20
Methylene Chloride
Concen: 1.643 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN087133.D
Acq: 20 Jun 2025 13:04

Tgt Ion: 84 Resp: 4758
Ion Ratio Lower Upper
84 100
49 82.1 90.5 135.7#
51 24.5 28.5 42.7#
86 66.0 48.1 72.1





#33

1,2-Dichloroethane-d4

Concen: 52.359 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087133.D

Acq: 20 Jun 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

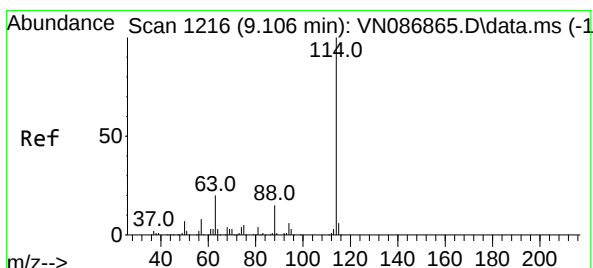
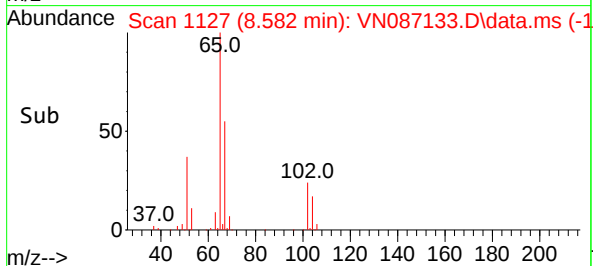
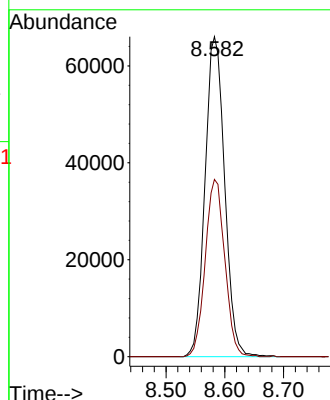
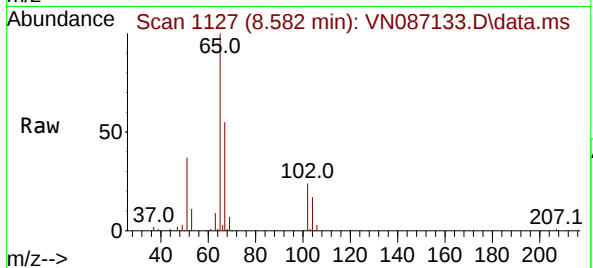
EP-4

Tgt Ion: 65 Resp: 152750

Ion Ratio Lower Upper

65 100

67 55.1 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: VN087133.D

Acq: 20 Jun 2025 13:04

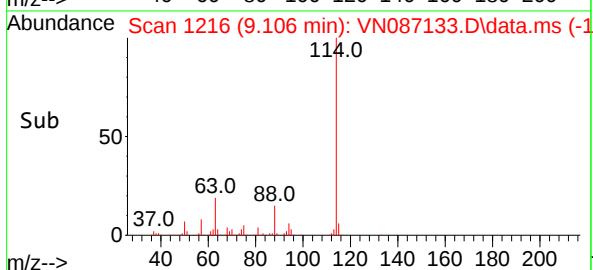
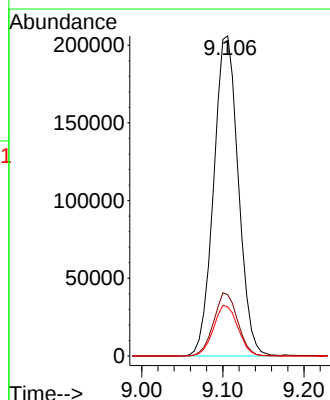
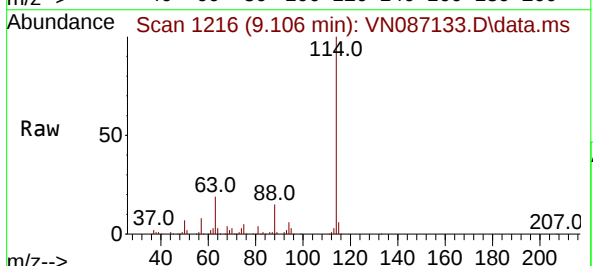
Tgt Ion: 114 Resp: 434510

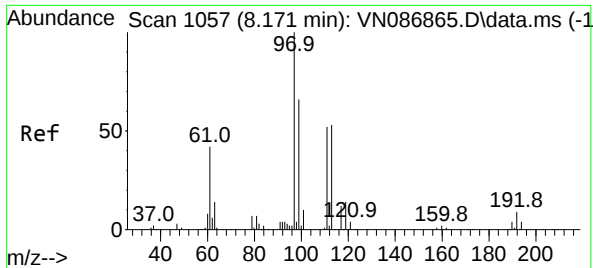
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.005 ug/l

RT: 8.171 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087133.D

Acq: 20 Jun 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

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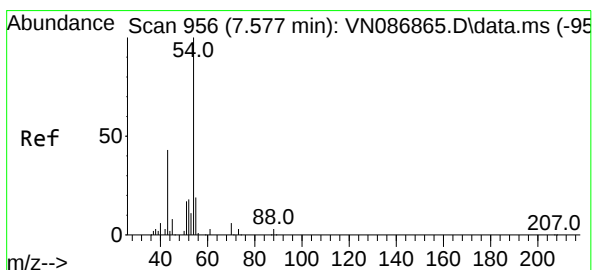
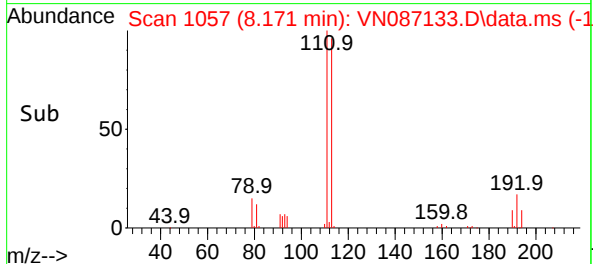
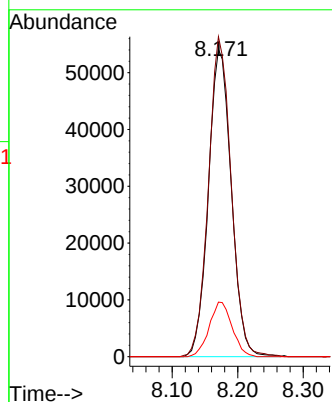
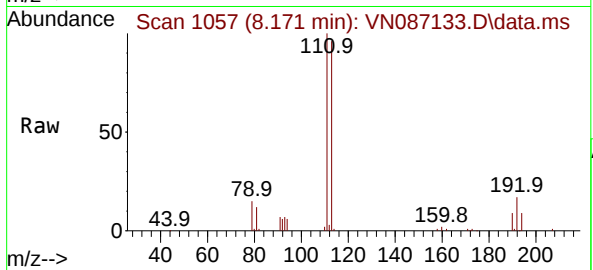
Tgt Ion:113 Resp: 131339

Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.2

192 17.7 14.2 21.4



#37

Ethyl Acetate

Concen: 3.354 ug/l

RT: 7.571 min Scan# 955

Delta R.T. -0.006 min

Lab File: VN087133.D

Acq: 20 Jun 2025 13:04

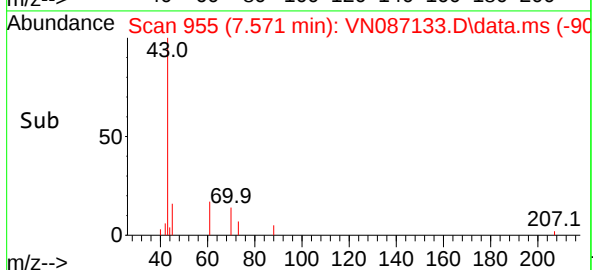
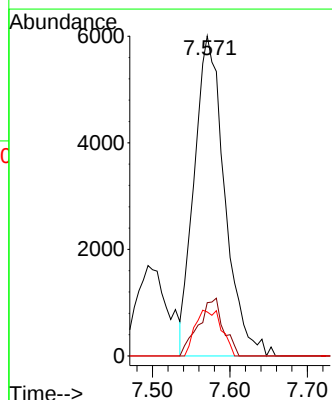
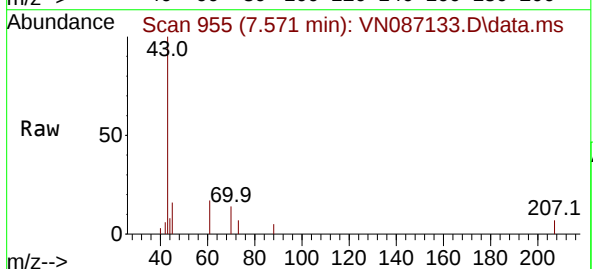
Tgt Ion: 43 Resp: 16383

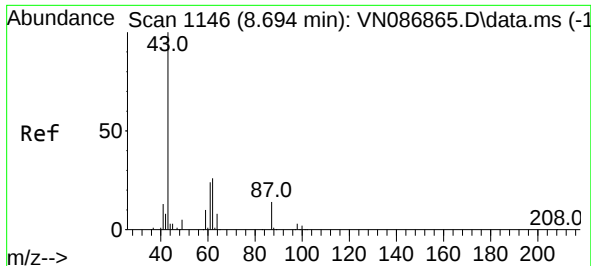
Ion Ratio Lower Upper

43 100

61 14.7 12.1 18.1

70 12.5 9.8 14.6

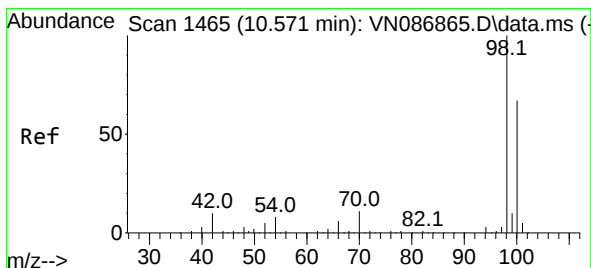
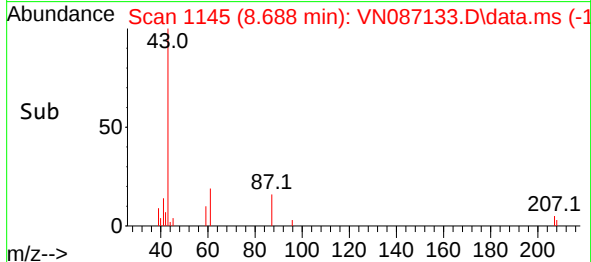
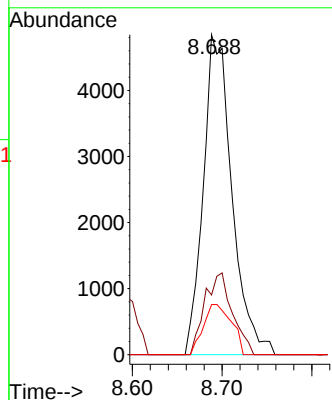
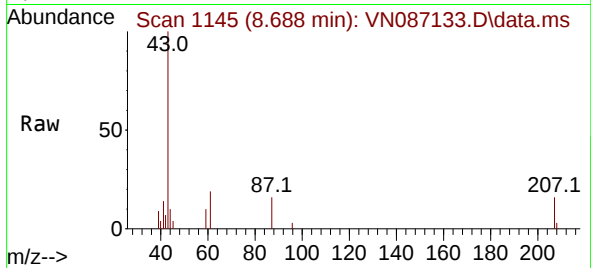




#43
Isopropyl Acetate
Concen: 1.369 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN087133.D
Acq: 20 Jun 2025 13:04

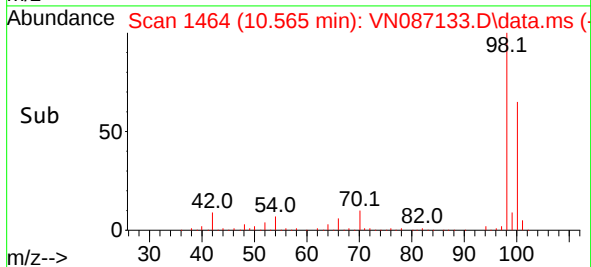
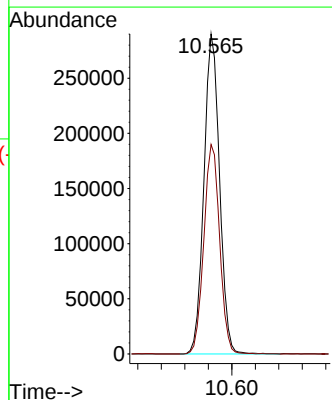
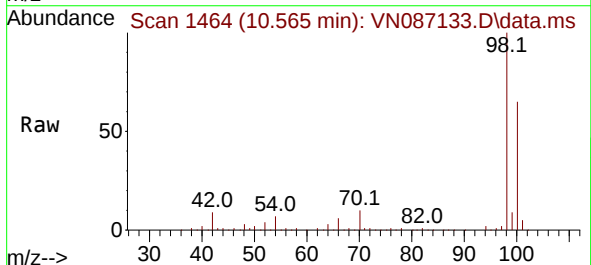
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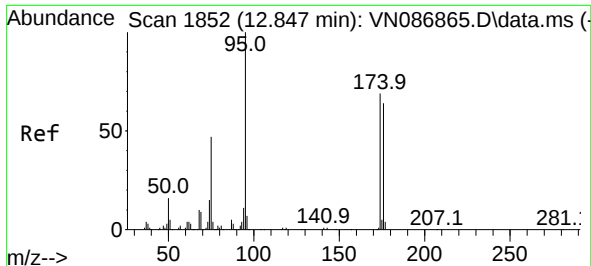
Tgt Ion: 43	Resp: 10735
Ion Ratio	Lower Upper
43	100
61	24.7 22.1 33.1
87	15.4 11.8 17.6



#50
Toluene-d8
Concen: 52.655 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087133.D
Acq: 20 Jun 2025 13:04

Tgt Ion: 98	Resp: 536753
Ion Ratio	Lower Upper
98	100
100	66.3 53.4 80.0

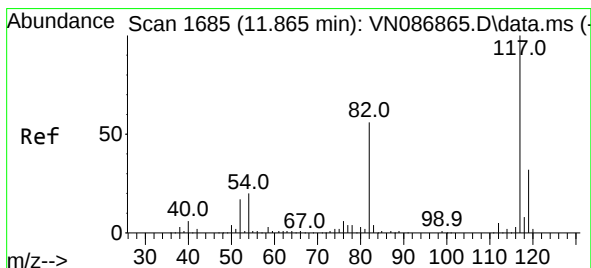
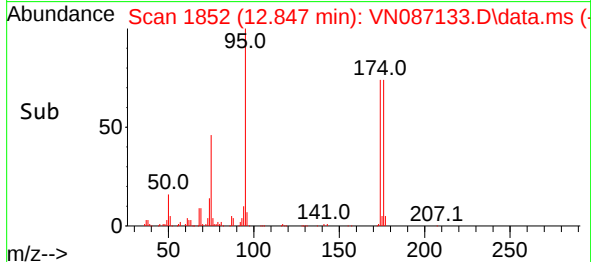
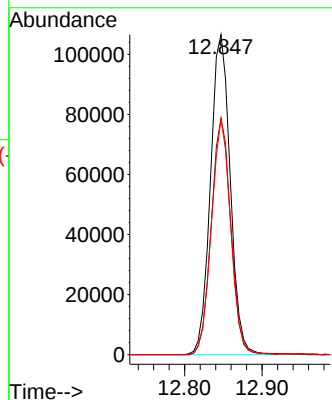
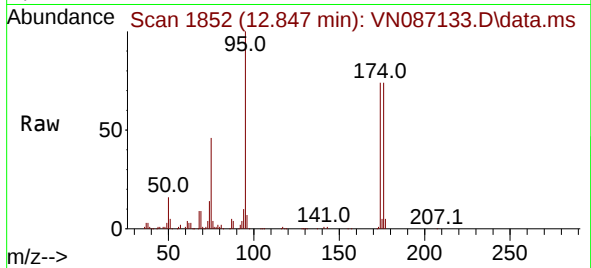




#62
4-Bromofluorobenzene
Concen: 49.840 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087133.D
Acq: 20 Jun 2025 13:04

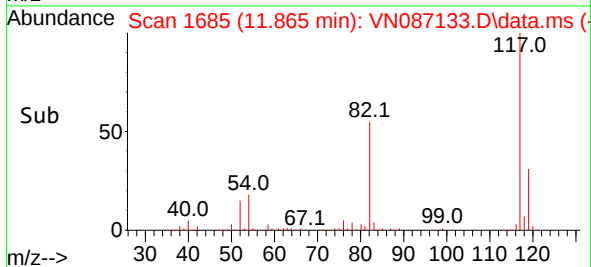
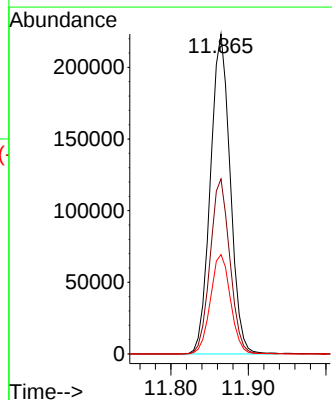
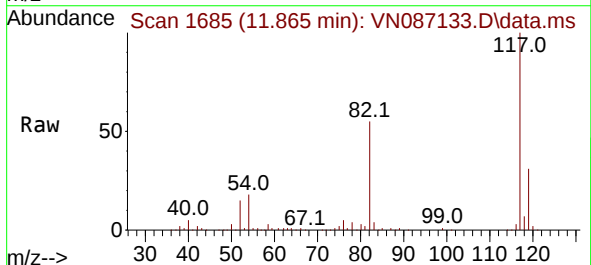
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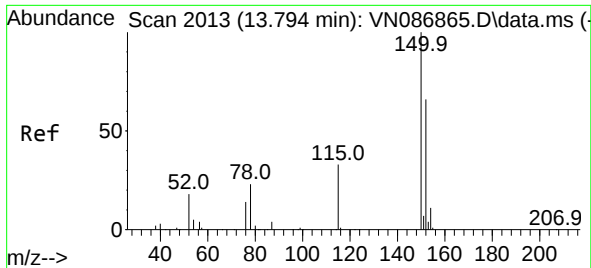
Tgt Ion: 95 Resp: 188760
Ion Ratio Lower Upper
95 100
174 73.4 0.0 141.8
176 71.6 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087133.D
Acq: 20 Jun 2025 13:04

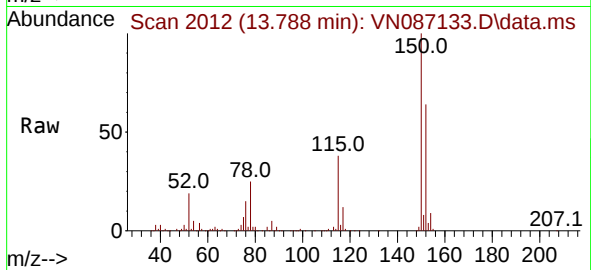
Tgt Ion: 117 Resp: 395910
Ion Ratio Lower Upper
117 100
82 54.7 44.6 67.0
119 31.1 25.5 38.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087133.D
 Acq: 20 Jun 2025 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion:152 Resp: 186922
 Ion Ratio Lower Upper
 152 100
 115 60.4 30.1 90.5
 150 157.7 0.0 345.0

