

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087192.D
 Acq On : 26 Jun 2025 14:08
 Operator : JC\MD
 Sample : Q2399-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13

Quant Time: Jun 27 01:25:59 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)

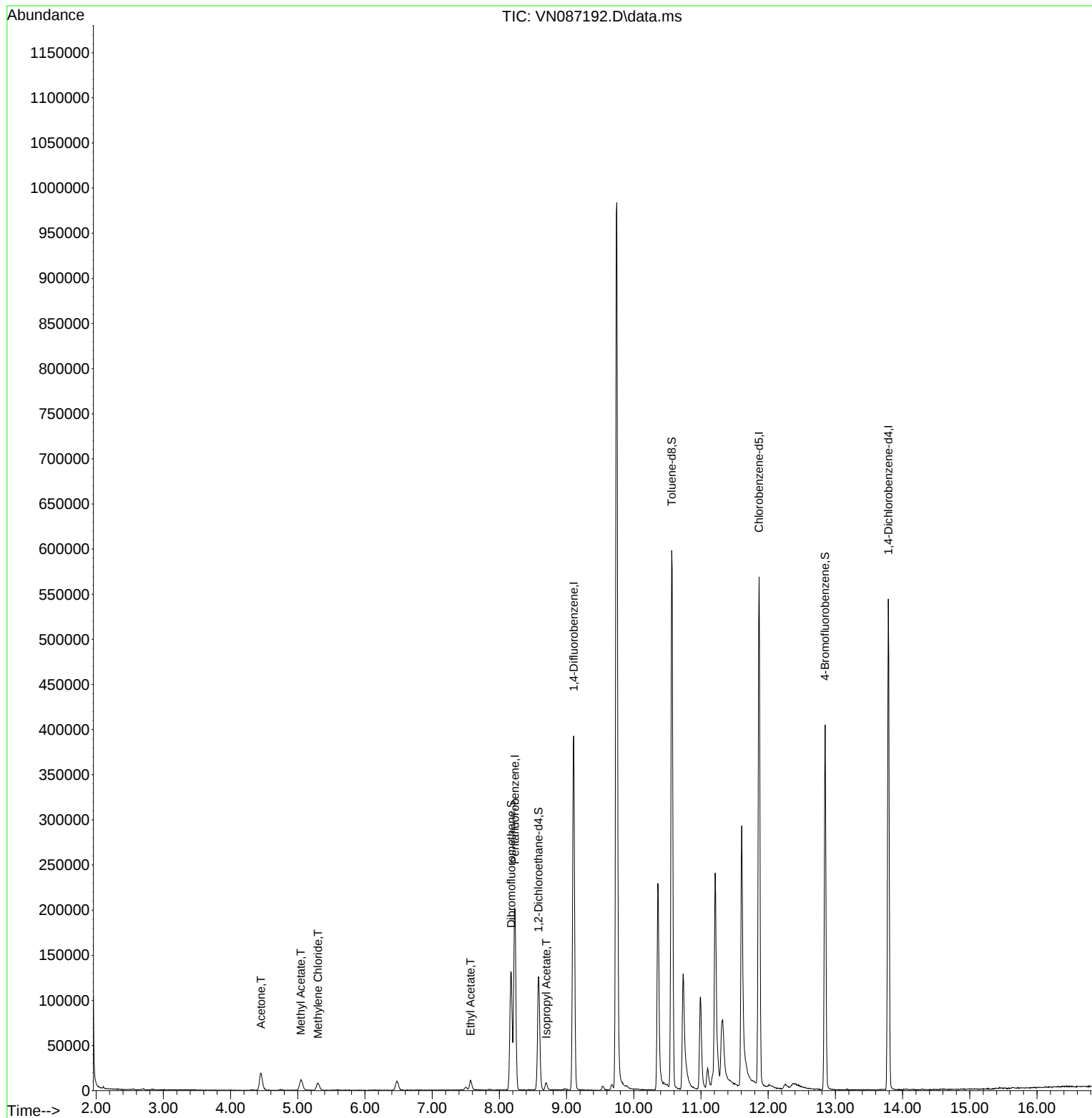
Internal Standards						
1) Pentafluorobenzene	8.229	168	153701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	346353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	337445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	148433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	106109	51.562	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.120%
35) Dibromofluoromethane	8.177	113	101829	49.611	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.220%
50) Toluene-d8	10.565	98	433318	53.328	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.660%
62) 4-Bromofluorobenzene	12.847	95	151332	50.128	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.260%
Target Compounds						
						Qvalue
16) Acetone	4.453	43	40080	36.726	ug/l	91
18) Methyl Acetate	5.047	43	26393	8.299	ug/l	99
20) Methylene Chloride	5.300	84	7005	3.429	ug/l #	92
37) Ethyl Acetate	7.571	43	16848	4.327	ug/l	97
43) Isopropyl Acetate	8.700	43	10095	1.615	ug/l #	87

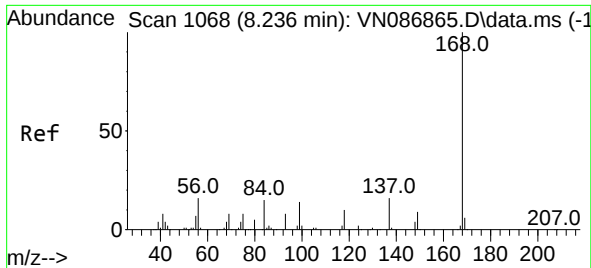
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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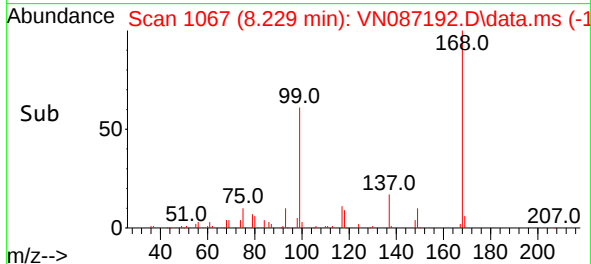
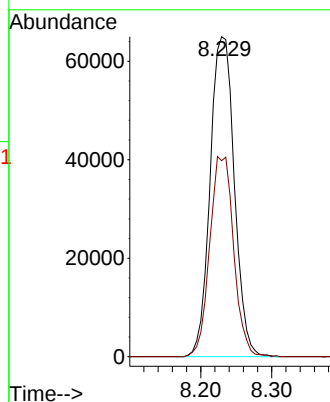
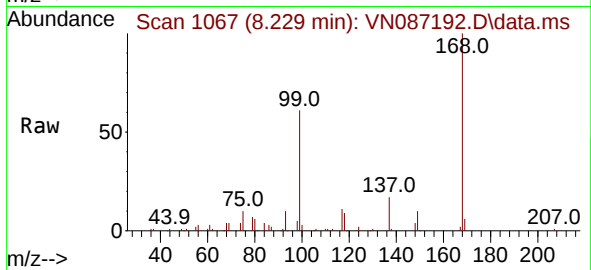




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN087192.D
Acq: 26 Jun 2025 14:08

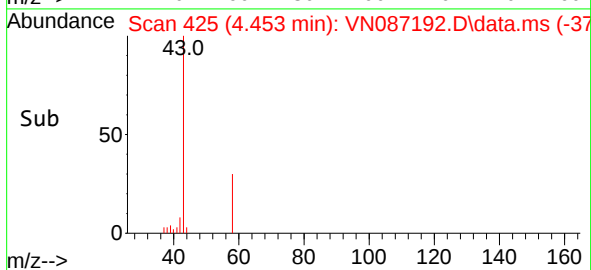
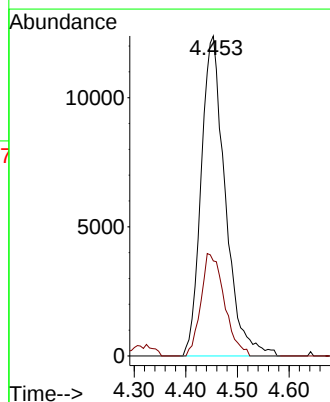
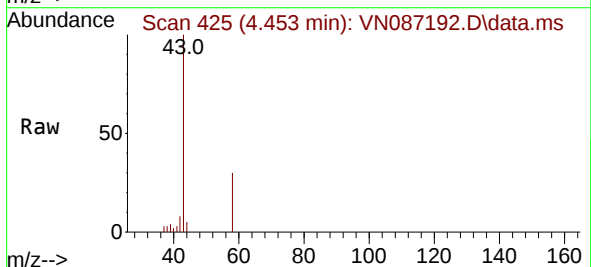
Instrument :
MSVOA_N
ClientSampleId :
TP-13

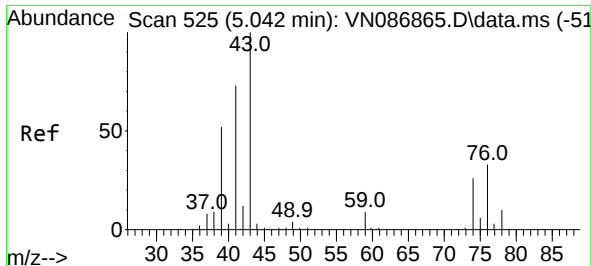
Tgt Ion:168 Resp: 153701
Ion Ratio Lower Upper
168 100
99 61.2 49.1 73.7



#16
Acetone
Concen: 36.726 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087192.D
Acq: 26 Jun 2025 14:08

Tgt Ion: 43 Resp: 40080
Ion Ratio Lower Upper
43 100
58 29.7 28.0 42.0

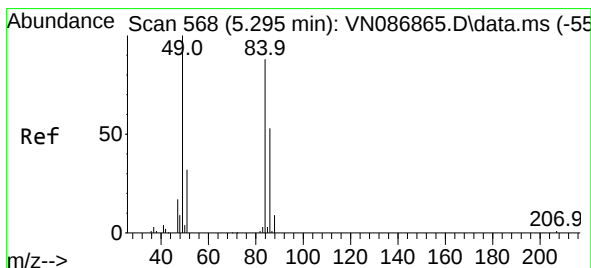
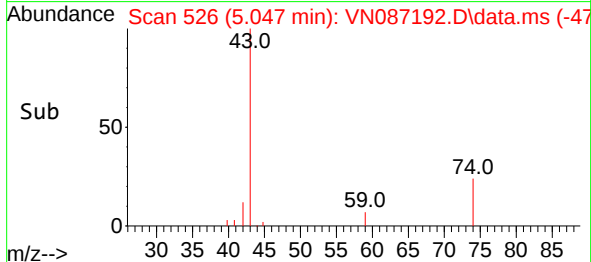
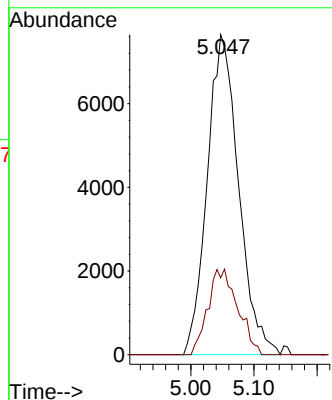
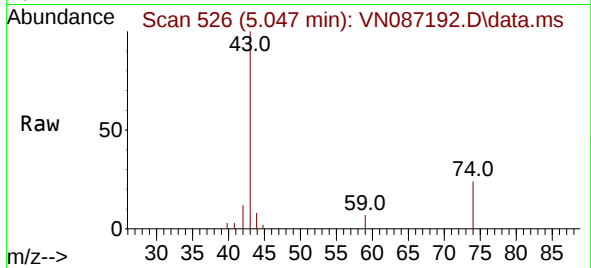




#18
Methyl Acetate
Concen: 8.299 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087192.D
Acq: 26 Jun 2025 14:08

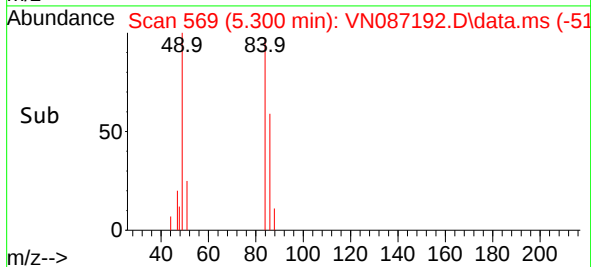
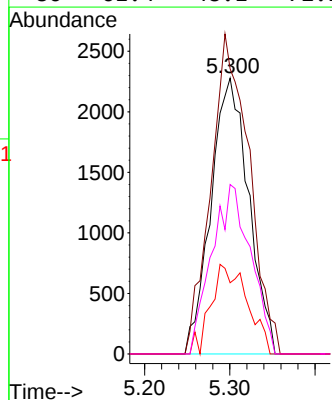
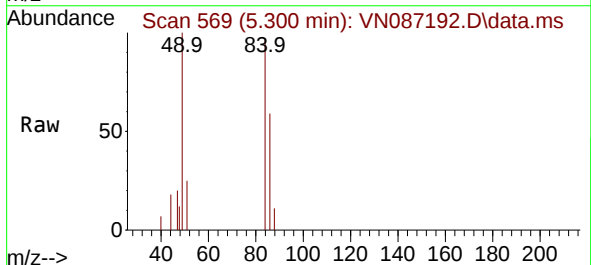
Instrument :
MSVOA_N
ClientSampleId :
TP-13

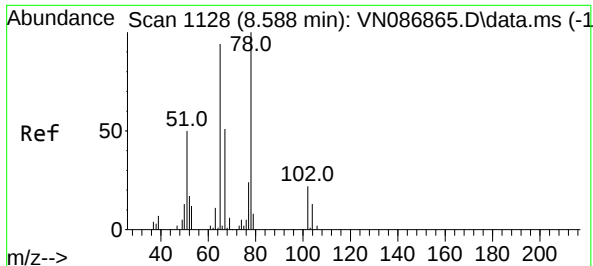
Tgt Ion: 43 Resp: 26393
Ion Ratio Lower Upper
43 100
74 25.4 20.7 31.1



#20
Methylene Chloride
Concen: 3.429 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087192.D
Acq: 26 Jun 2025 14:08

Tgt Ion: 84 Resp: 7005
Ion Ratio Lower Upper
84 100
49 103.3 90.5 135.7
51 25.8 28.5 42.7#
86 61.4 48.1 72.1





#33

1,2-Dichloroethane-d4

Concen: 51.562 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087192.D

Acq: 26 Jun 2025 14:08

Instrument :

MSVOA_N

ClientSampleId :

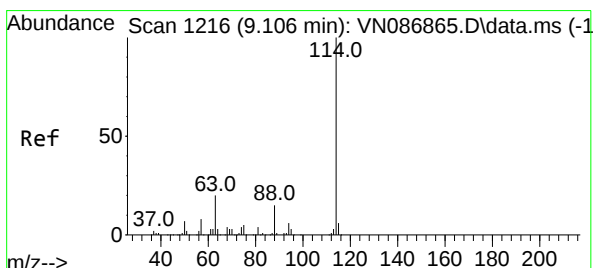
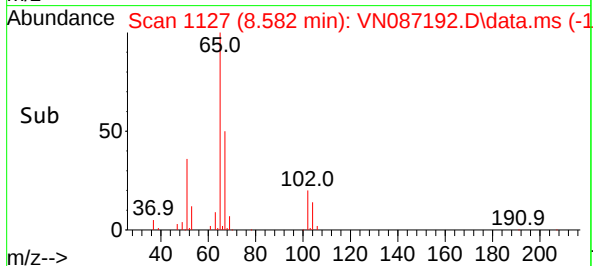
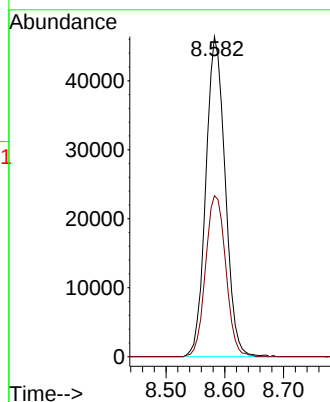
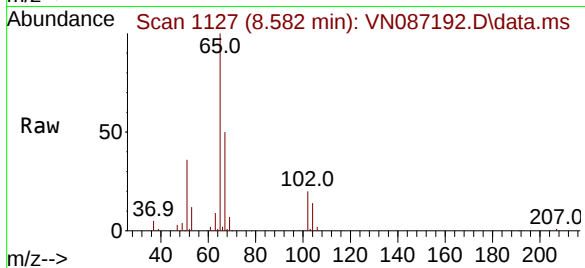
TP-13

Tgt Ion: 65 Resp: 106109

Ion Ratio Lower Upper

65 100

67 52.5 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: VN087192.D

Acq: 26 Jun 2025 14:08

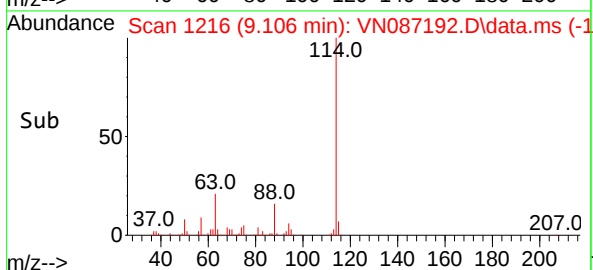
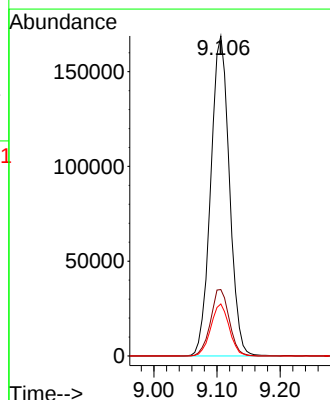
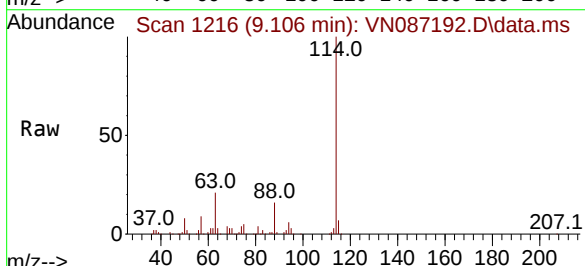
Tgt Ion: 114 Resp: 346353

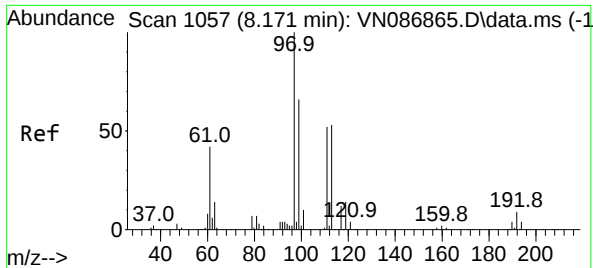
Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.6

88 16.3 0.0 30.2

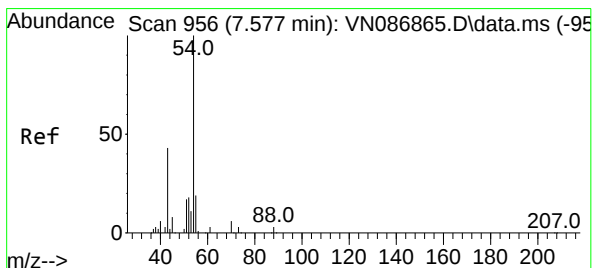
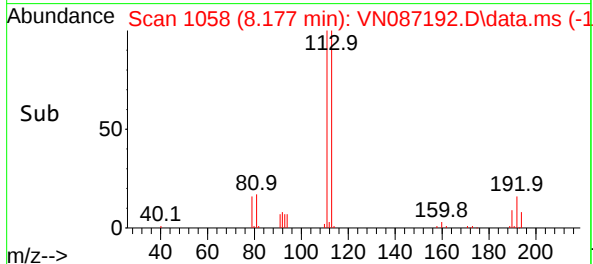
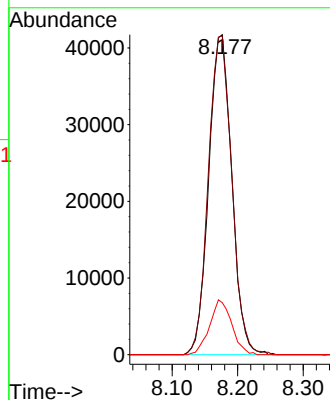
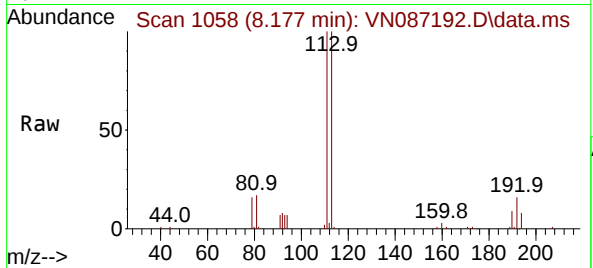




#35
Dibromofluoromethane
Concen: 49.611 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087192.D
Acq: 26 Jun 2025 14:08

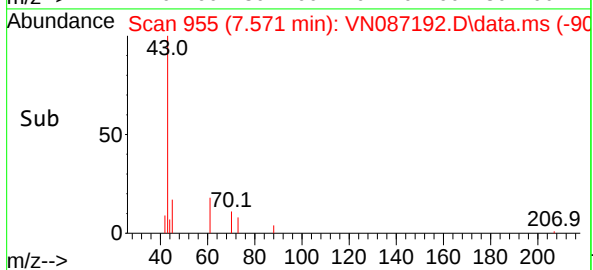
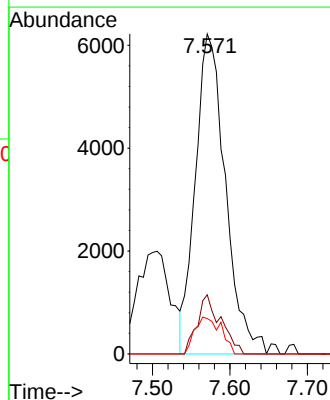
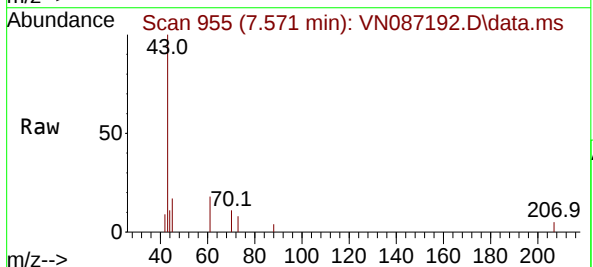
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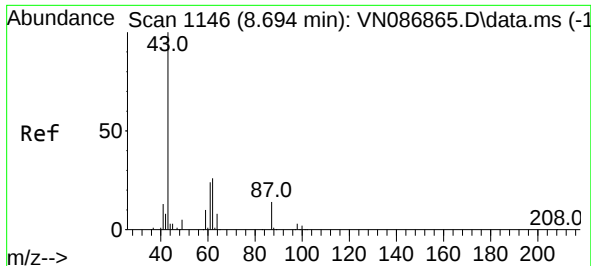
Tgt Ion:113 Resp: 101829
Ion Ratio Lower Upper
113 100
111 101.5 84.2 126.2
192 16.5 14.2 21.4



#37
Ethyl Acetate
Concen: 4.327 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.006 min
Lab File: VN087192.D
Acq: 26 Jun 2025 14:08

Tgt Ion: 43 Resp: 16848
Ion Ratio Lower Upper
43 100
61 14.4 12.1 18.1
70 10.0 9.8 14.6

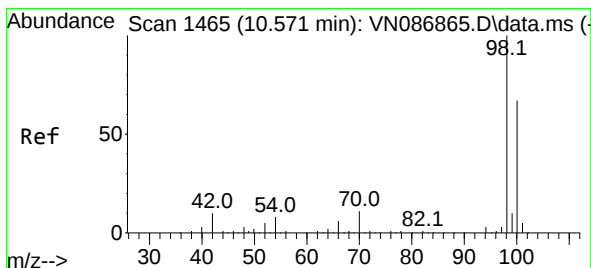
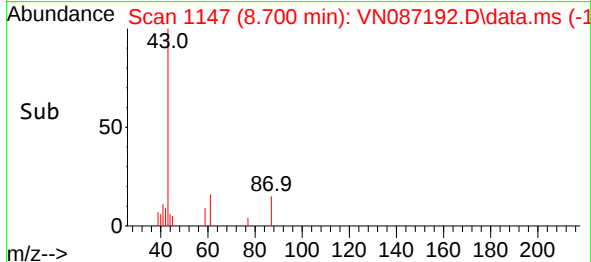
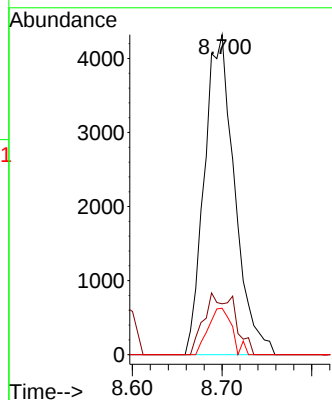
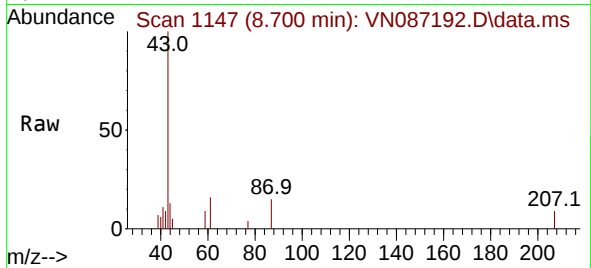




#43
Isopropyl Acetate
Concen: 1.615 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN087192.D
Acq: 26 Jun 2025 14:08

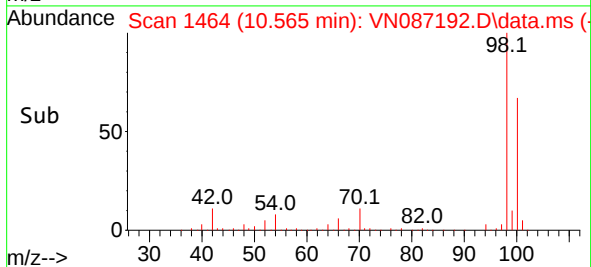
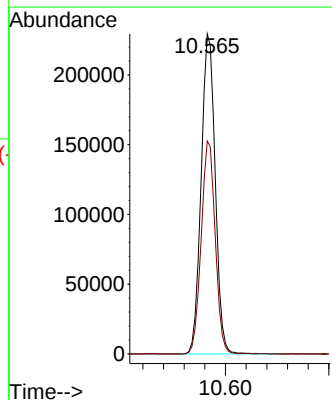
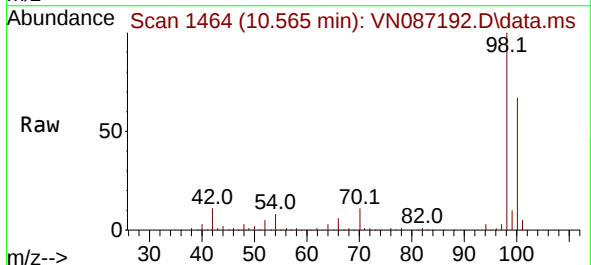
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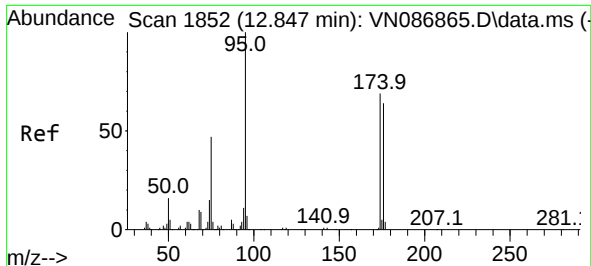
Tgt Ion: 43 Resp: 10095
Ion Ratio Lower Upper
43 100
61 19.6 22.1 33.1#
87 11.3 11.8 17.6#



#50
Toluene-d8
Concen: 53.328 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087192.D
Acq: 26 Jun 2025 14:08

Tgt Ion: 98 Resp: 433318
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0

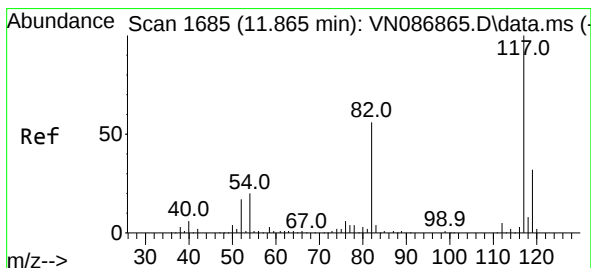
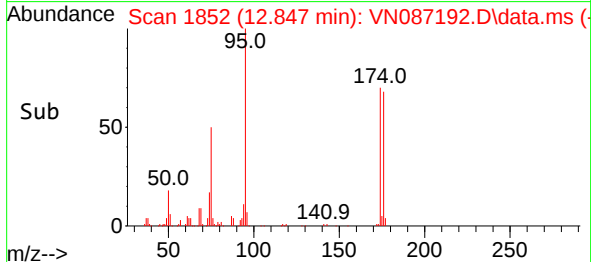
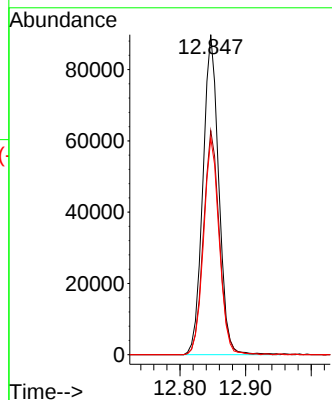
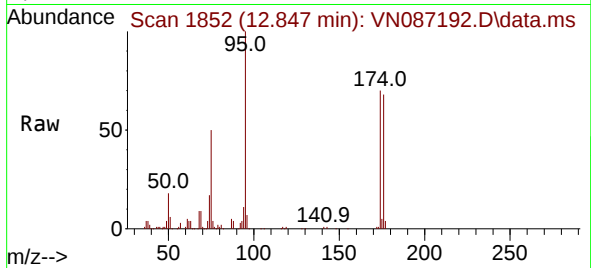




#62
4-Bromofluorobenzene
Concen: 50.128 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087192.D
Acq: 26 Jun 2025 14:08

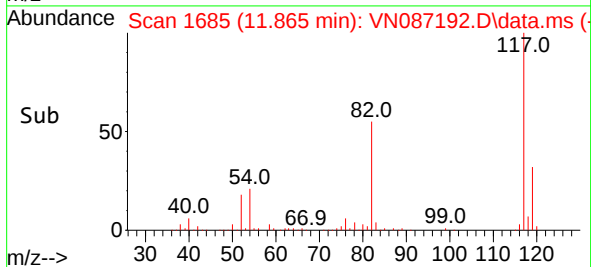
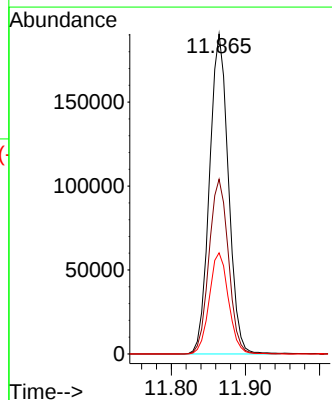
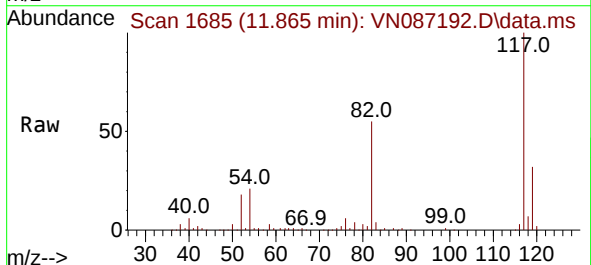
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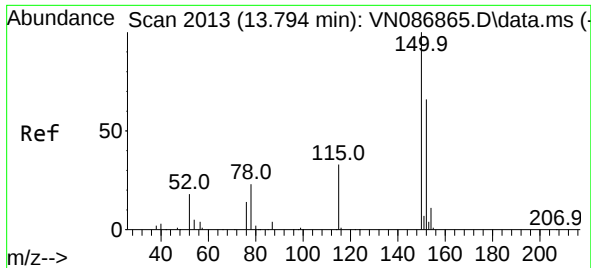
Tgt Ion: 95 Resp: 151332
Ion Ratio Lower Upper
95 100
174 70.3 0.0 141.8
176 66.6 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087192.D
Acq: 26 Jun 2025 14:08

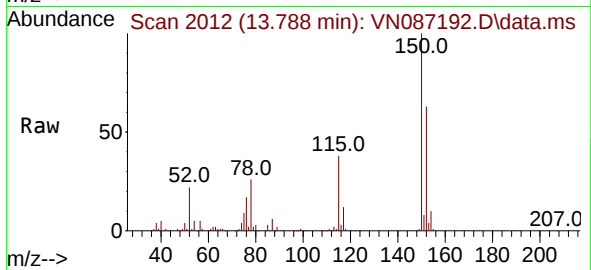
Tgt Ion: 117 Resp: 337445
Ion Ratio Lower Upper
117 100
82 54.6 44.6 67.0
119 31.6 25.5 38.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087192.D
 Acq: 26 Jun 2025 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion:152 Resp: 148433
 Ion Ratio Lower Upper
 152 100
 115 62.0 30.1 90.5
 150 159.0 0.0 345.0

