

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087540.D
 Acq On : 13 Aug 2025 17:05
 Operator : JC\MD
 Sample : Q2832-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TG-S02

Quant Time: Aug 14 04:03:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

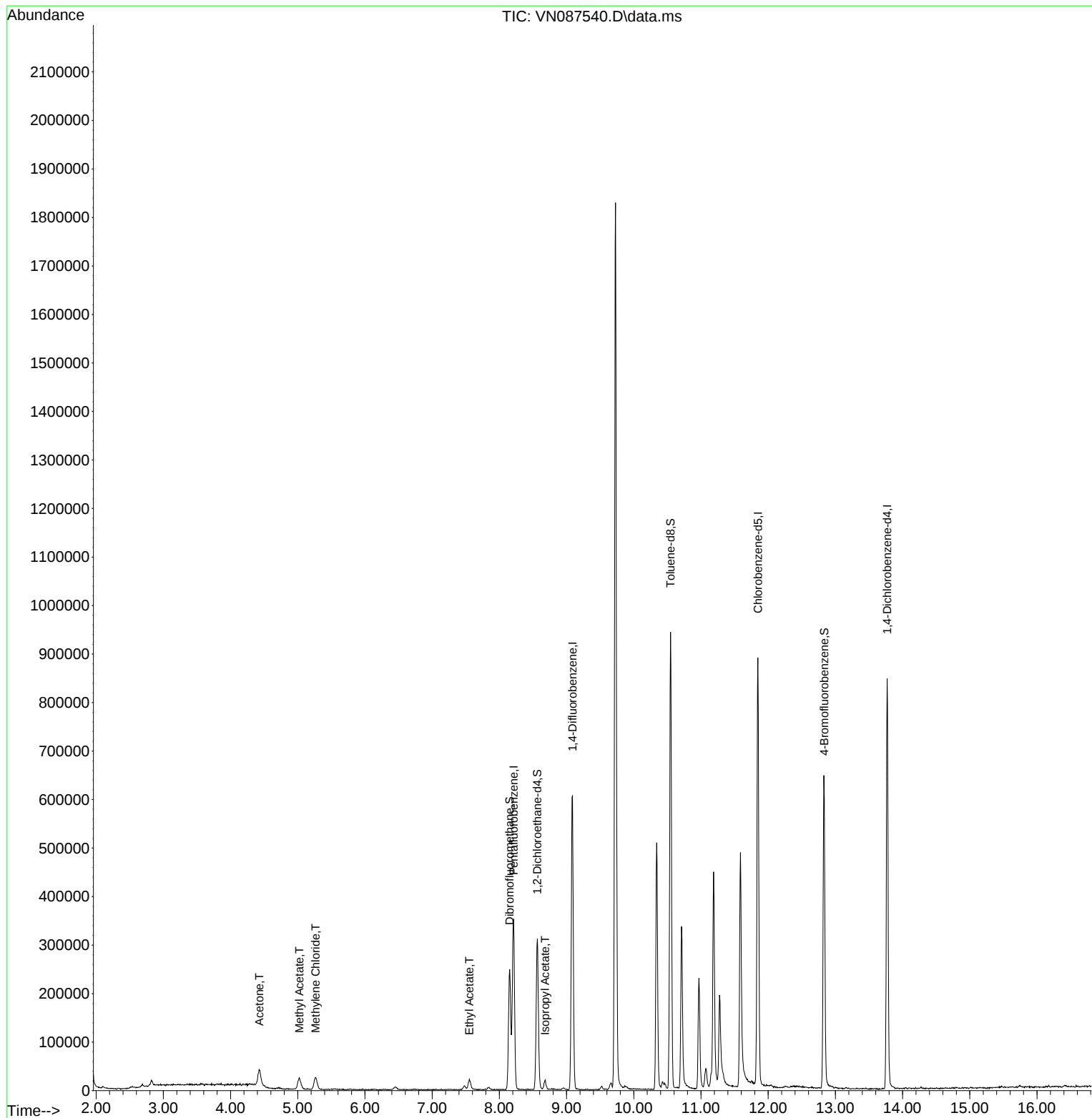
Internal Standards						
1) Pentafluorobenzene	8.212	168	236825	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.088	114	497884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	479659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	216762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	262286	65.271	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	130.540%#
35) Dibromofluoromethane	8.153	113	173231	50.440	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.880%
50) Toluene-d8	10.547	98	616603	50.331	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.660%
62) 4-Bromofluorobenzene	12.835	95	232636	51.398	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.800%
Target Compounds						
						Qvalue
16) Acetone	4.430	43	61023	32.388	ug/l	97
18) Methyl Acetate	5.024	43	53755	11.356	ug/l	98
20) Methylene Chloride	5.265	84	18000	5.076	ug/l	87
37) Ethyl Acetate	7.553	43	35149	5.364	ug/l #	88
43) Isopropyl Acetate	8.682	43	21906	2.153	ug/l #	90

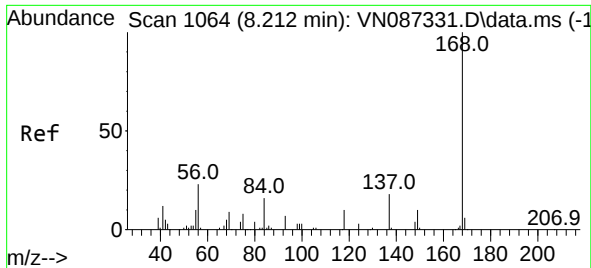
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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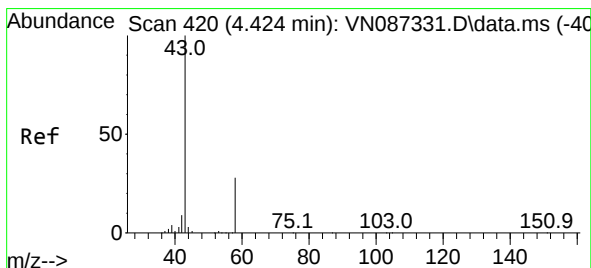
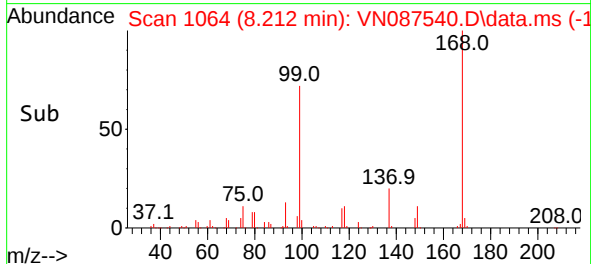
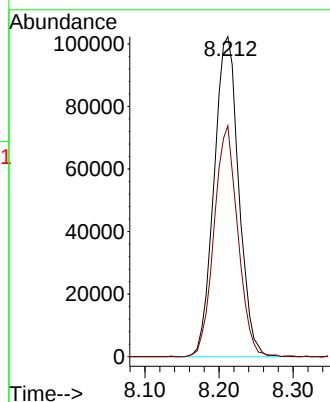
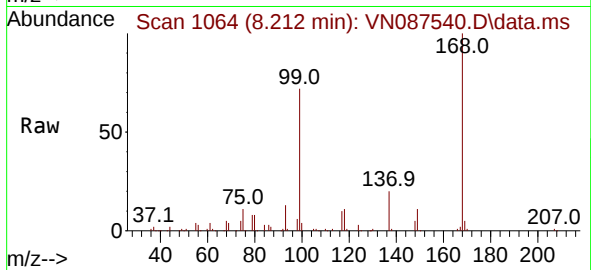




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087540.D
Acq: 13 Aug 2025 17:05

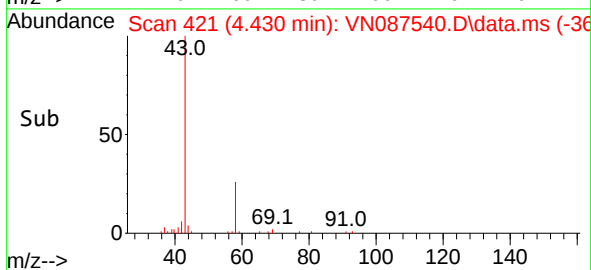
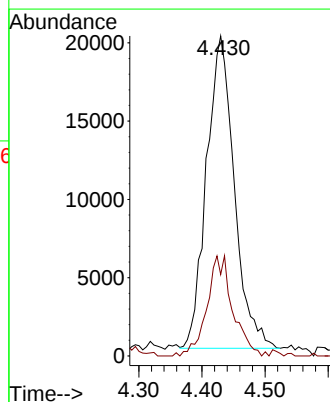
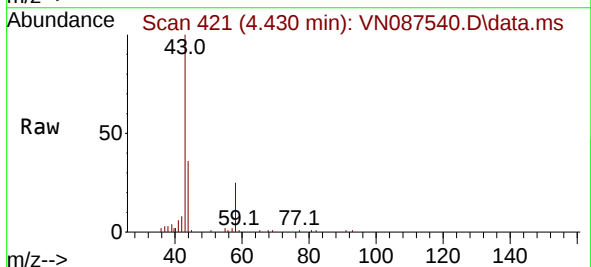
Instrument :
MSVOA_N
ClientSampleId :
TG-S02

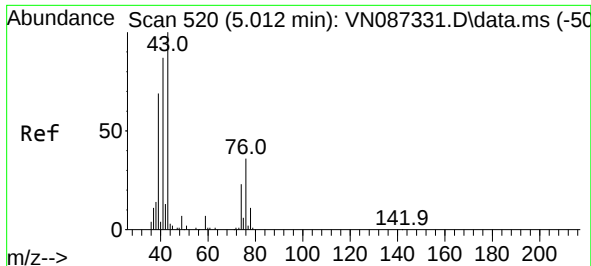
Tgt Ion:168 Resp: 236825
Ion Ratio Lower Upper
168 100
99 72.2 47.9 71.9#



#16
Acetone
Concen: 32.388 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087540.D
Acq: 13 Aug 2025 17:05

Tgt Ion: 43 Resp: 61023
Ion Ratio Lower Upper
43 100
58 26.1 22.3 33.5

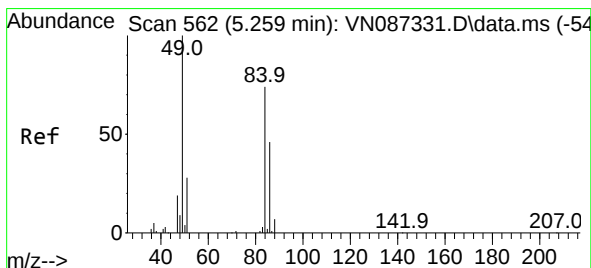
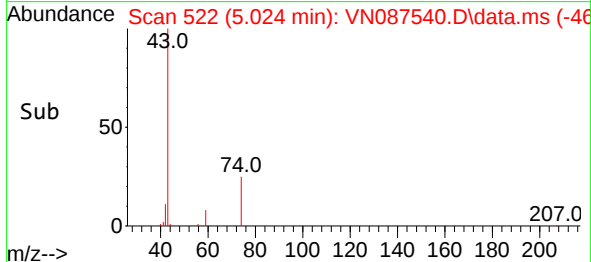
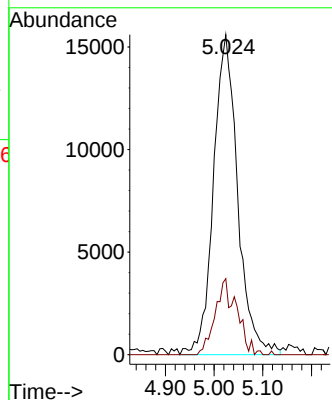
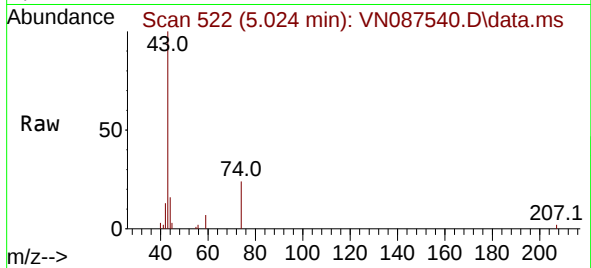




#18
Methyl Acetate
Concen: 11.356 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087540.D
Acq: 13 Aug 2025 17:05

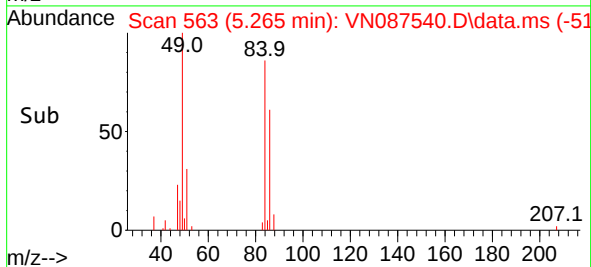
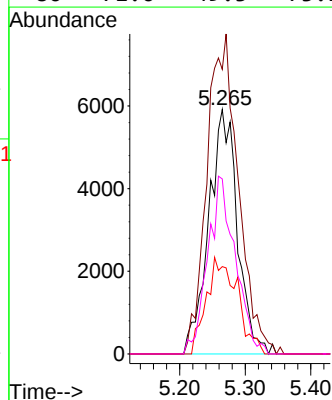
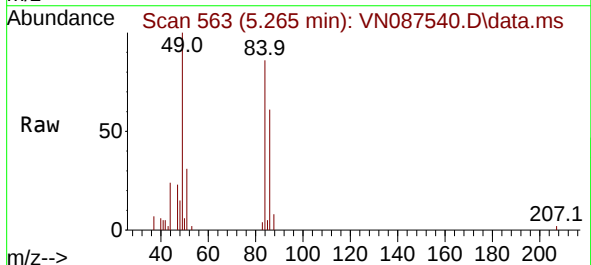
Instrument :
MSVOA_N
ClientSampleId :
TG-S02

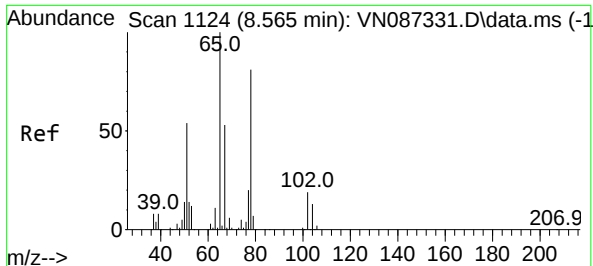
Tgt Ion: 43 Resp: 53755
Ion Ratio Lower Upper
43 100
74 21.2 17.8 26.6



#20
Methylene Chloride
Concen: 5.076 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.006 min
Lab File: VN087540.D
Acq: 13 Aug 2025 17:05

Tgt Ion: 84 Resp: 18000
Ion Ratio Lower Upper
84 100
49 116.4 107.5 161.3
51 35.8 30.2 45.2
86 71.6 49.3 73.9





#33

1,2-Dichloroethane-d4

Concen: 65.271 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087540.D

Acq: 13 Aug 2025 17:05

Instrument :

MSVOA_N

ClientSampleId :

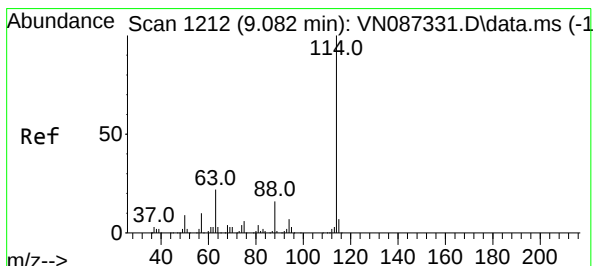
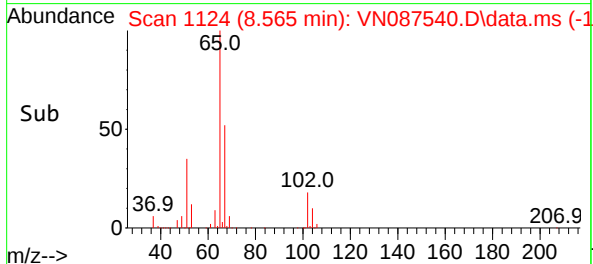
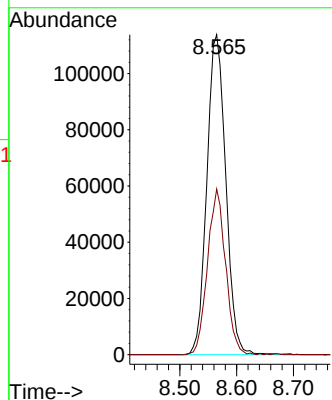
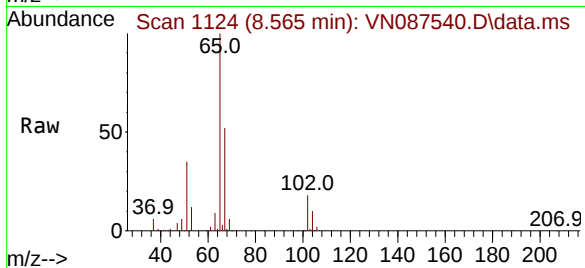
TG-S02

Tgt Ion: 65 Resp: 262286

Ion Ratio Lower Upper

65 100

67 49.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. 0.006 min

Lab File: VN087540.D

Acq: 13 Aug 2025 17:05

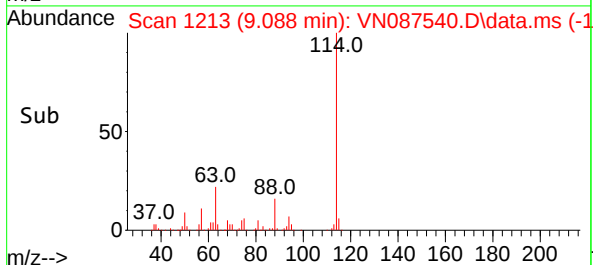
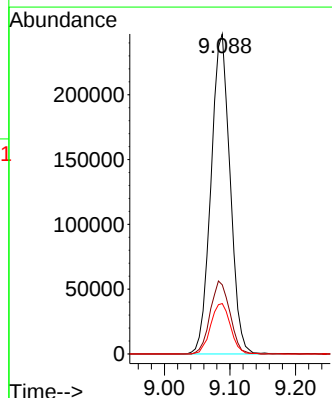
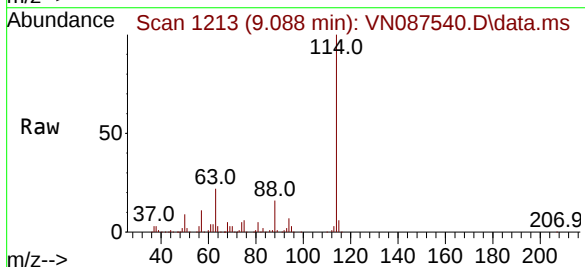
Tgt Ion: 114 Resp: 497884

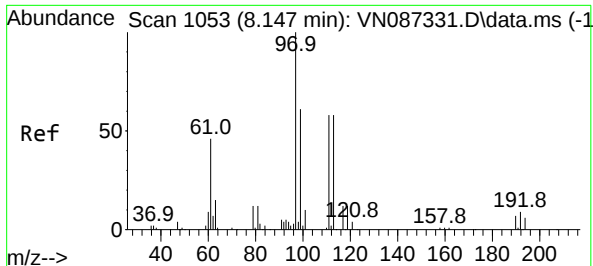
Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.6

88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.440 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087540.D

Acq: 13 Aug 2025 17:05

Instrument :

MSVOA_N

ClientSampleId :

TG-S02

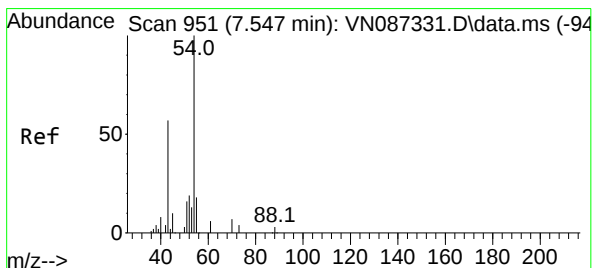
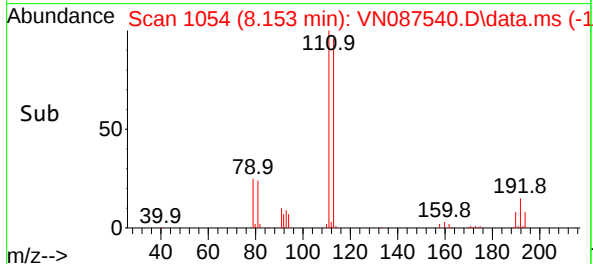
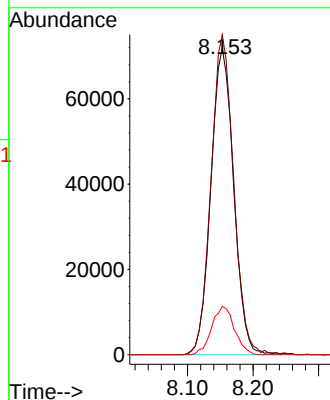
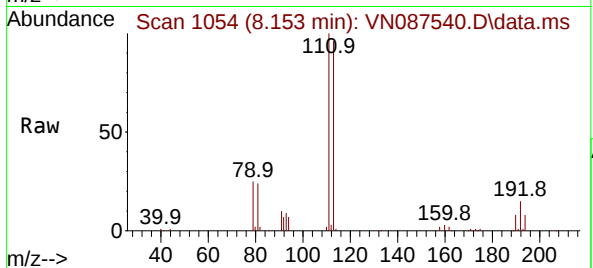
Tgt Ion:113 Resp: 173231

Ion Ratio Lower Upper

113 100

111 103.8 82.5 123.7

192 15.7 13.7 20.5



#37

Ethyl Acetate

Concen: 5.364 ug/l

RT: 7.553 min Scan# 952

Delta R.T. 0.006 min

Lab File: VN087540.D

Acq: 13 Aug 2025 17:05

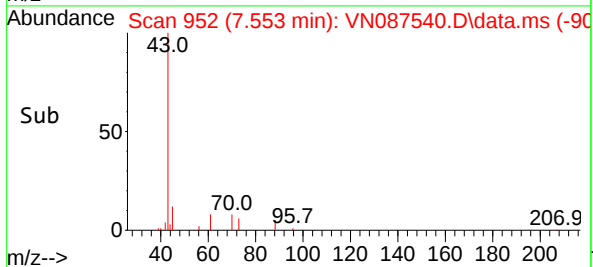
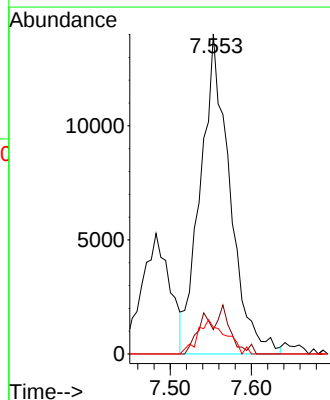
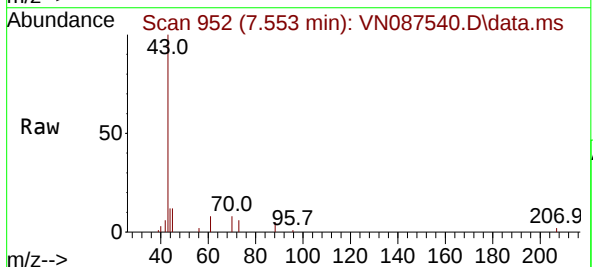
Tgt Ion: 43 Resp: 35149

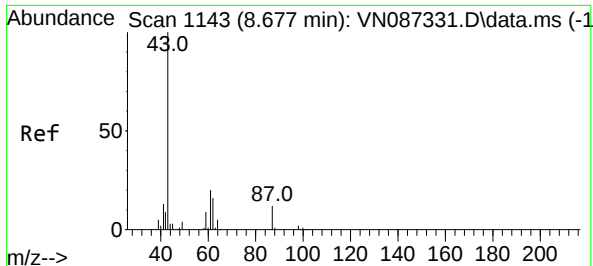
Ion Ratio Lower Upper

43 100

61 6.5 10.9 16.3#

70 10.3 7.4 11.0

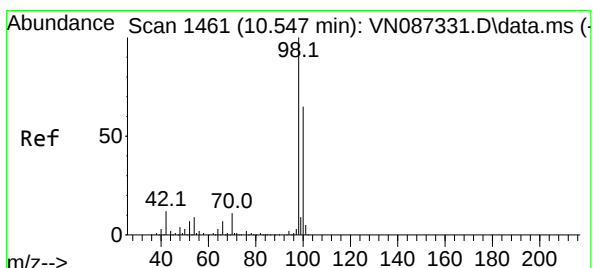
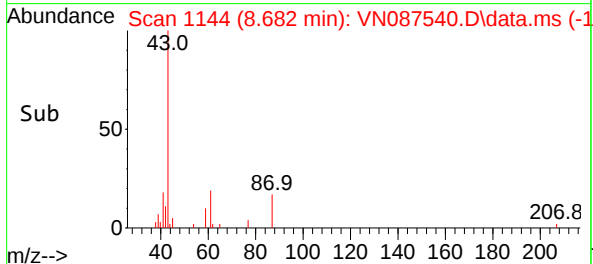
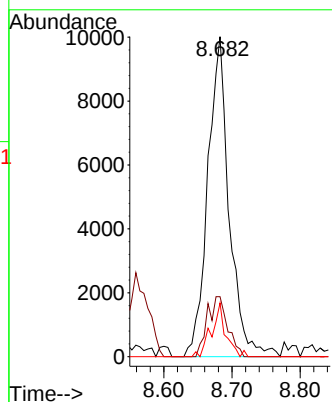
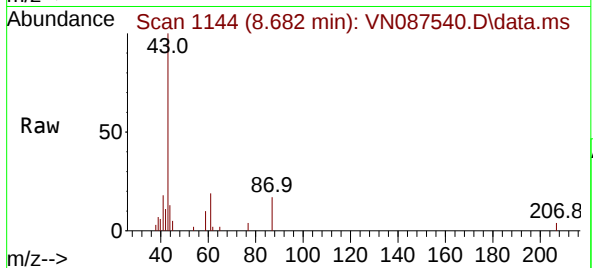




#43
Isopropyl Acetate
Concen: 2.153 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.005 min
Lab File: VN087540.D
Acq: 13 Aug 2025 17:05

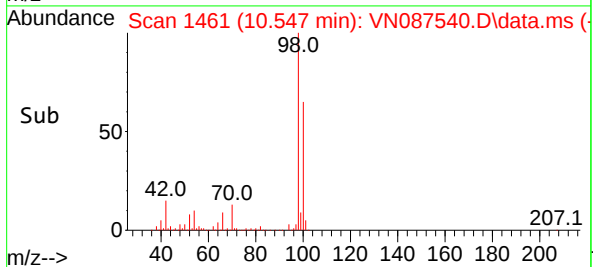
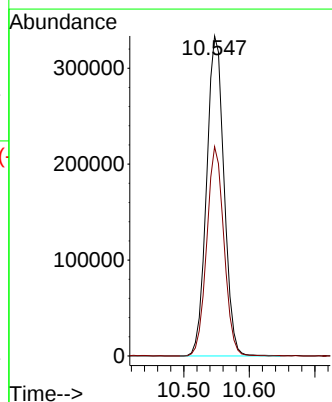
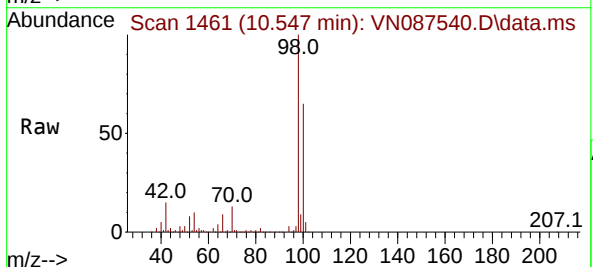
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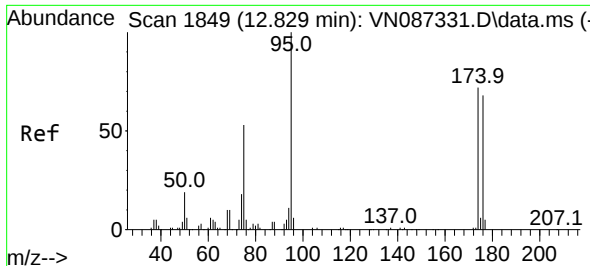
Tgt Ion: 43 Resp: 21906
Ion Ratio Lower Upper
43 100
61 17.8 19.8 29.8#
87 11.2 9.8 14.6



#50
Toluene-d8
Concen: 50.331 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087540.D
Acq: 13 Aug 2025 17:05

Tgt Ion: 98 Resp: 616603
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1

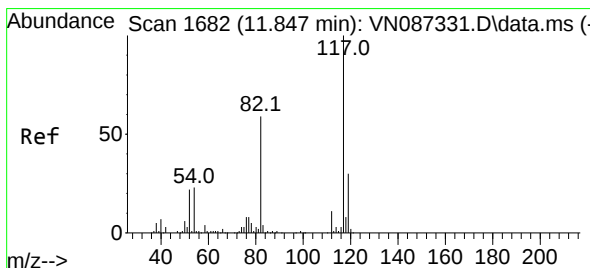
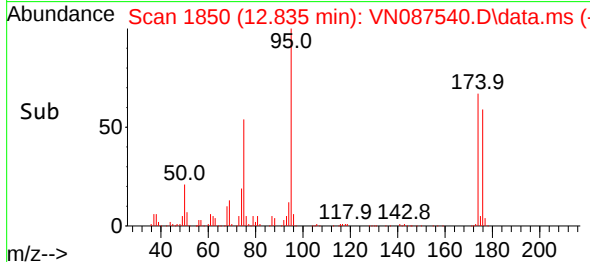
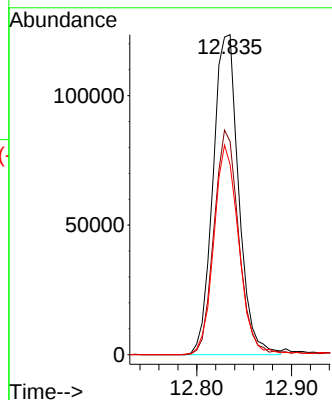
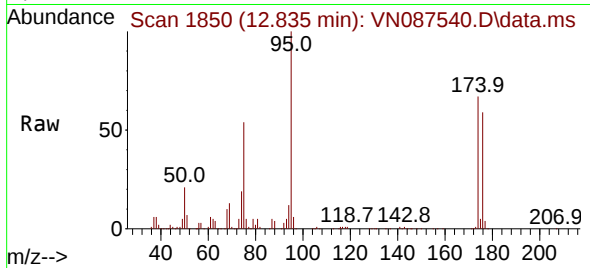




#62
4-Bromofluorobenzene
Concen: 51.398 ug/l
RT: 12.835 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087540.D
Acq: 13 Aug 2025 17:05

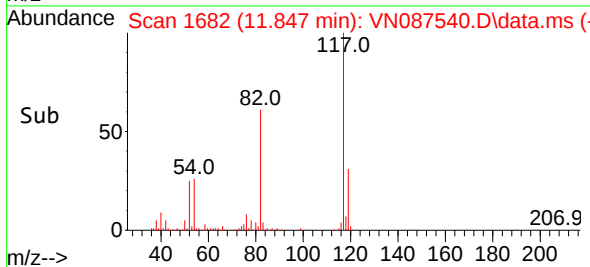
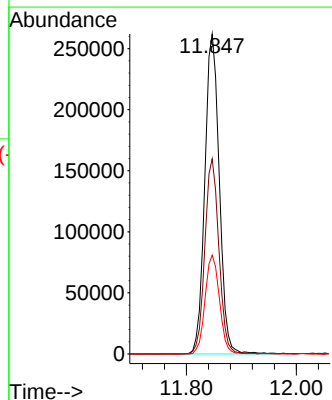
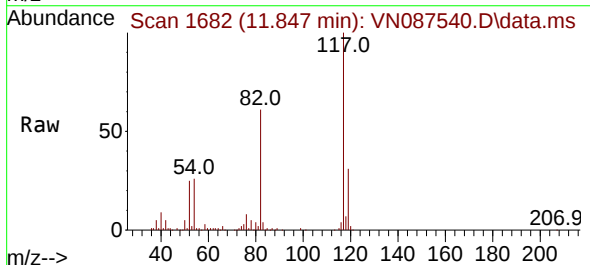
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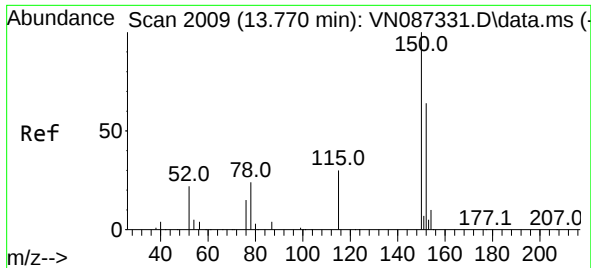
Tgt Ion: 95 Resp: 232636
Ion Ratio Lower Upper
95 100
174 68.2 0.0 149.4
176 64.0 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087540.D
Acq: 13 Aug 2025 17:05

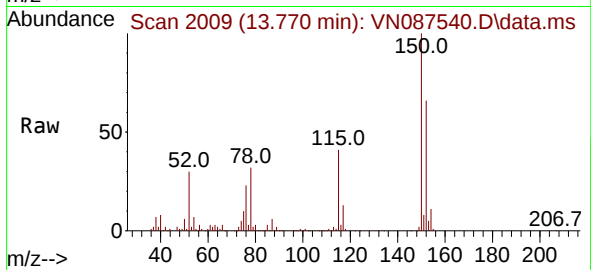
Tgt Ion: 117 Resp: 479659
Ion Ratio Lower Upper
117 100
82 61.0 47.4 71.2
119 30.9 23.8 35.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN087540.D
Acq: 13 Aug 2025 17:05

Instrument :
MSVOA_N
ClientSampleId :
TG-S02



Tgt Ion:152 Resp: 216762
Ion Ratio Lower Upper
152 100
115 63.6 31.1 93.5
150 155.4 0.0 349.0

