

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087542.D
 Acq On : 13 Aug 2025 17:50
 Operator : JC\MD
 Sample : Q2832-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TG-S04

Quant Time: Aug 14 04:04:55 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)

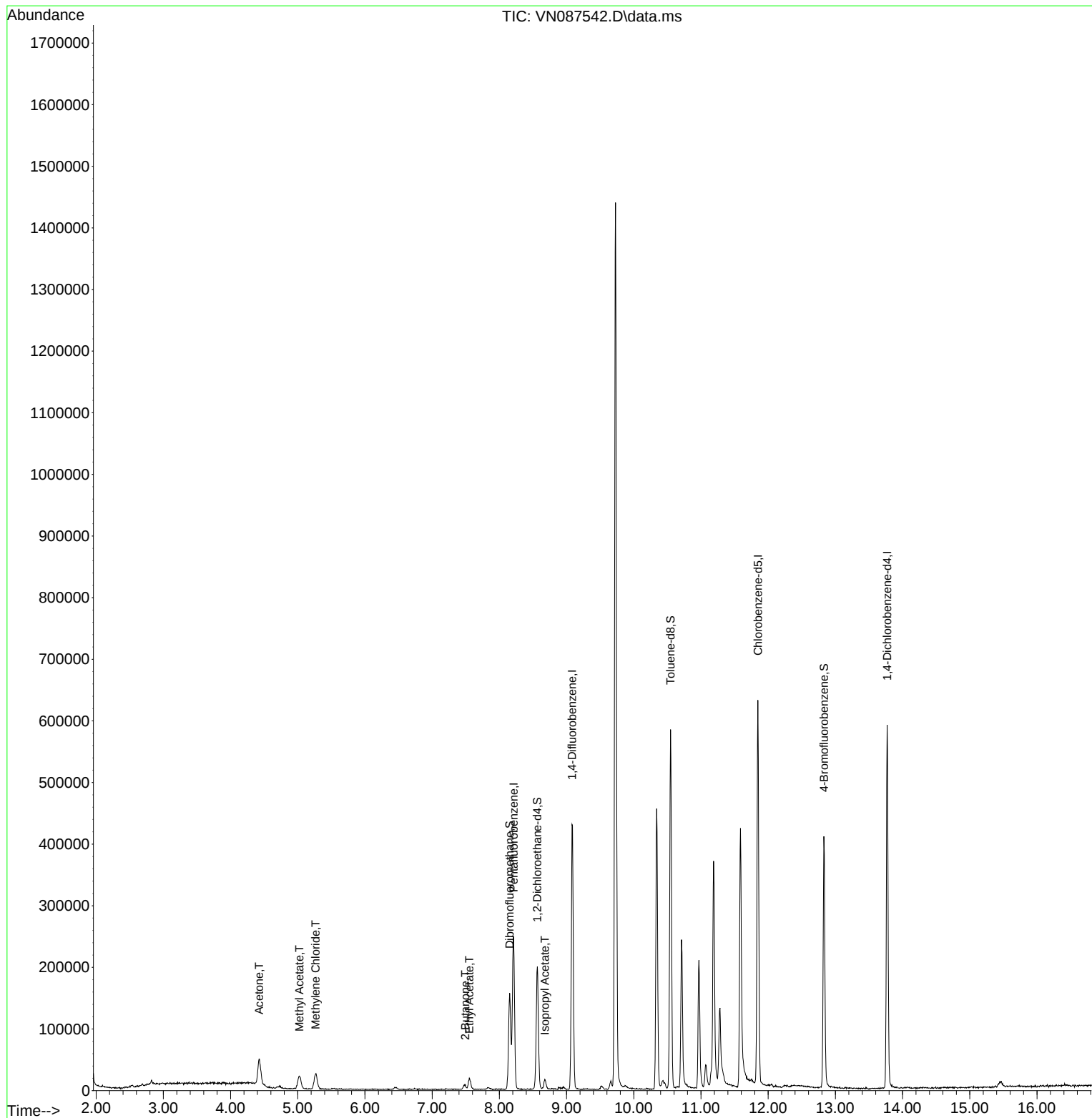
Internal Standards						
1) Pentafluorobenzene	8.212	168	164010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	350645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	322702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	146190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	165410	59.438	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	118.880%	
35) Dibromofluoromethane	8.153	113	107832	44.582	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	89.160%	
50) Toluene-d8	10.547	98	380235	44.070	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	88.140%	
62) 4-Bromofluorobenzene	12.829	95	143643	45.063	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	90.120%	
Target Compounds						
						Qvalue
16) Acetone	4.424	43	78933	60.493	ug/l	97
18) Methyl Acetate	5.024	43	50337	15.355	ug/l	98
20) Methylene Chloride	5.265	84	19039	8.095	ug/l #	88
25) 2-Butanone	7.494	43	13268	6.581	ug/l #	83
37) Ethyl Acetate	7.553	43	28831	6.247	ug/l #	95
43) Isopropyl Acetate	8.677	43	19554	2.729	ug/l #	89

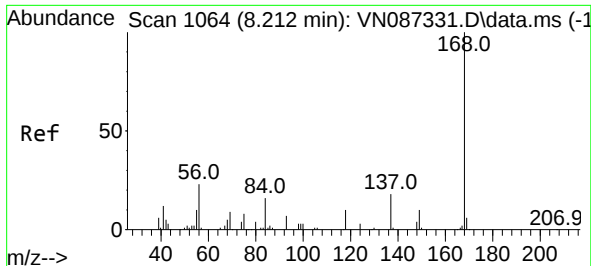
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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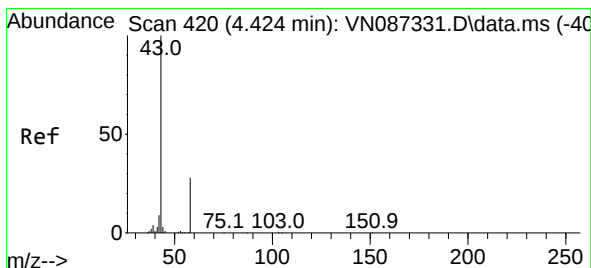
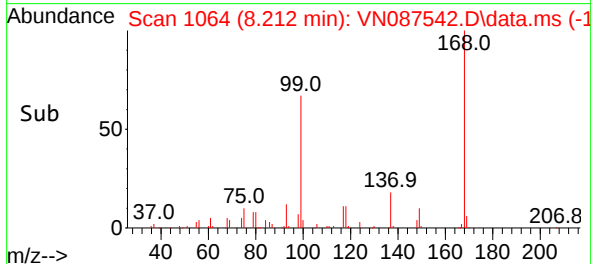
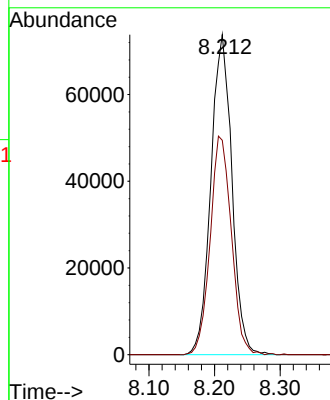
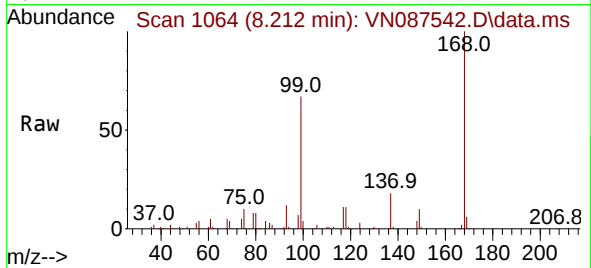




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087542.D
Acq: 13 Aug 2025 17:50

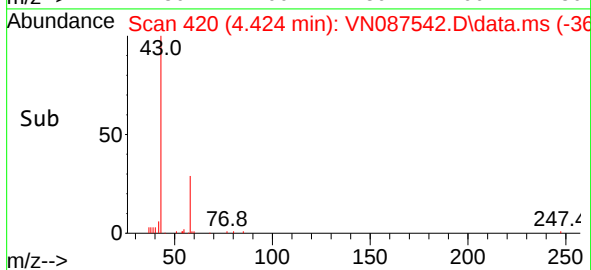
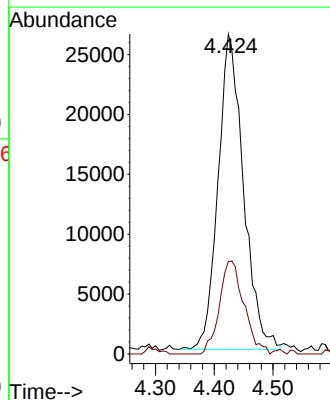
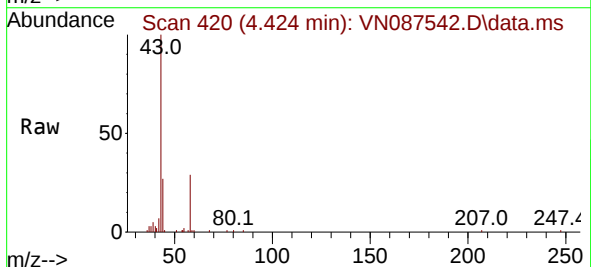
Instrument :
MSVOA_N
ClientSampleId :
TG-S04

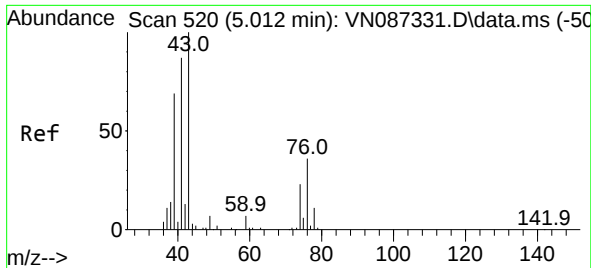
Tgt Ion:168 Resp: 164010
Ion Ratio Lower Upper
168 100
99 67.0 47.9 71.9



#16
Acetone
Concen: 60.493 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087542.D
Acq: 13 Aug 2025 17:50

Tgt Ion: 43 Resp: 78933
Ion Ratio Lower Upper
43 100
58 29.3 22.3 33.5

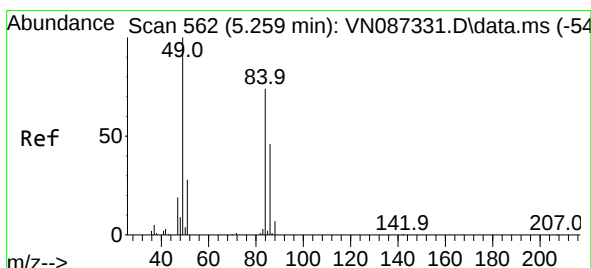
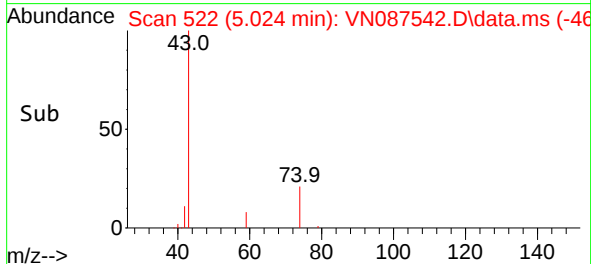
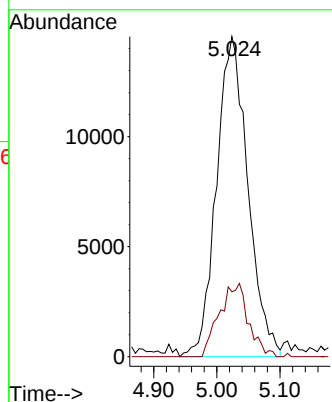
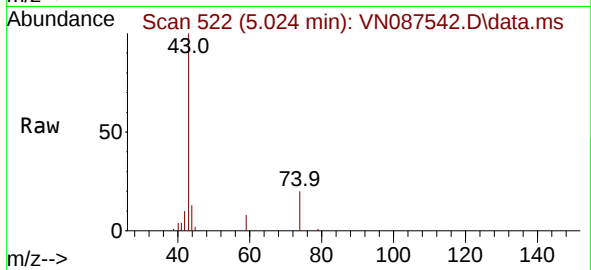




#18
Methyl Acetate
Concen: 15.355 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087542.D
Acq: 13 Aug 2025 17:50

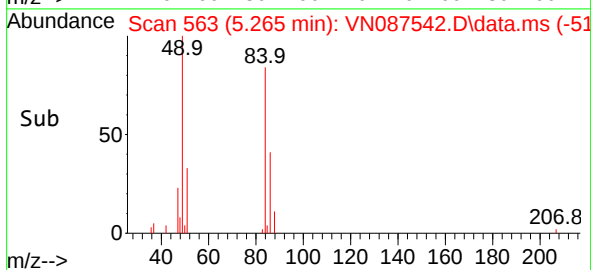
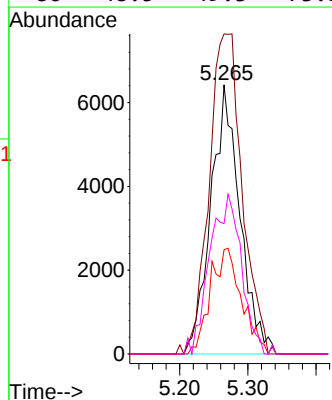
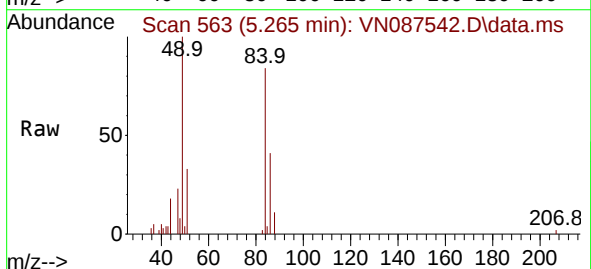
Instrument :
MSVOA_N
ClientSampleId :
TG-S04

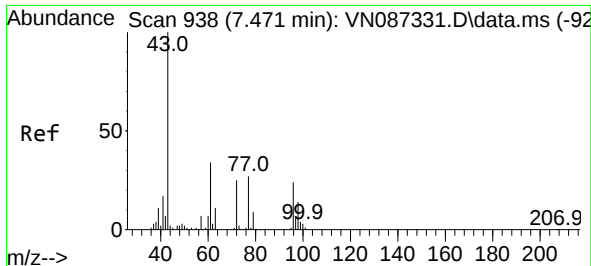
Tgt Ion: 43 Resp: 50337
Ion Ratio Lower Upper
43 100
74 21.1 17.8 26.6



#20
Methylene Chloride
Concen: 8.095 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.006 min
Lab File: VN087542.D
Acq: 13 Aug 2025 17:50

Tgt Ion: 84 Resp: 19039
Ion Ratio Lower Upper
84 100
49 118.9 107.5 161.3
51 38.7 30.2 45.2
86 48.5 49.3 73.9#

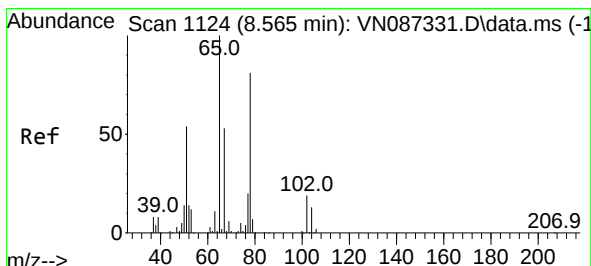
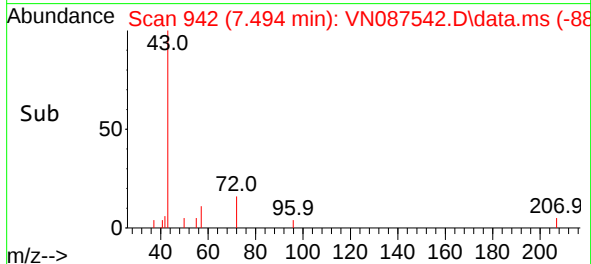
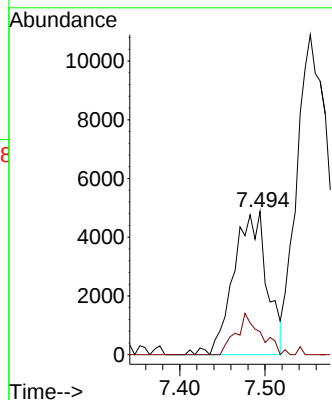
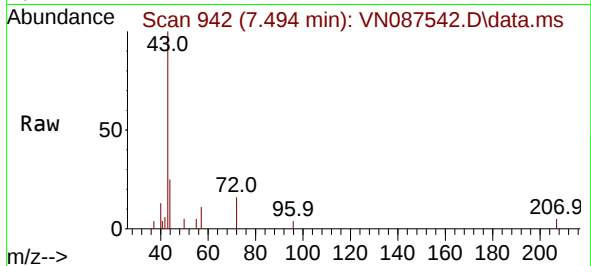




#25
2-Butanone
Concen: 6.581 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.024 min
Lab File: VN087542.D
Acq: 13 Aug 2025 17:50

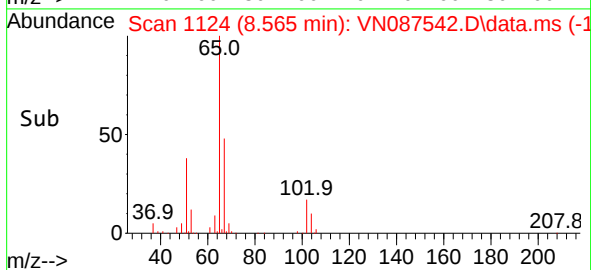
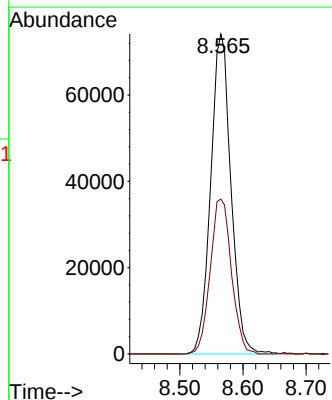
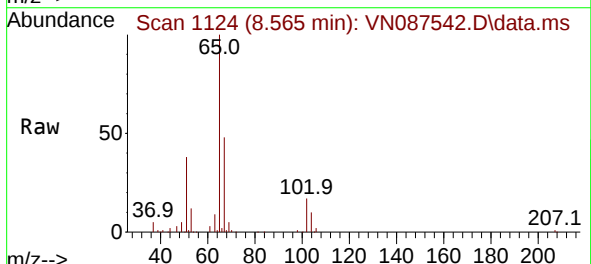
Instrument :
MSVOA_N
ClientSampleId :
TG-S04

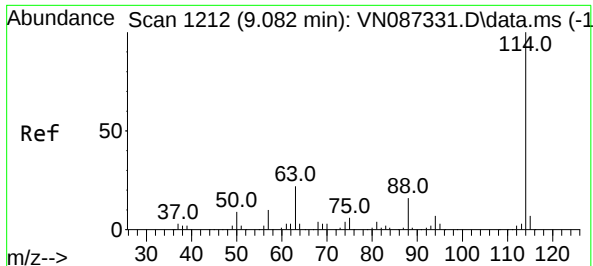
Tgt Ion: 43 Resp: 13268
Ion Ratio Lower Upper
43 100
72 16.1 19.6 29.4#



#33
1,2-Dichloroethane-d4
Concen: 59.438 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087542.D
Acq: 13 Aug 2025 17:50

Tgt Ion: 65 Resp: 165410
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087542.D

Acq: 13 Aug 2025 17:50

Instrument :

MSVOA_N

ClientSampleId :

TG-S04

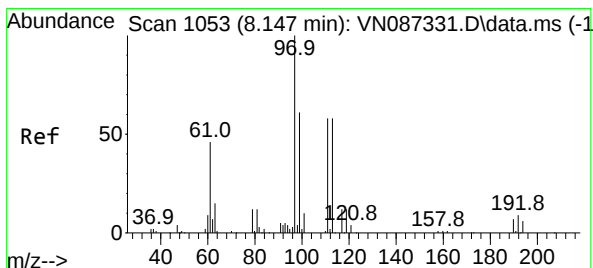
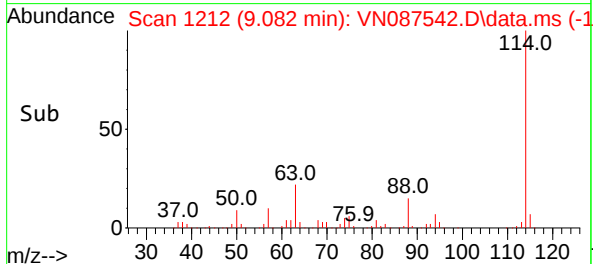
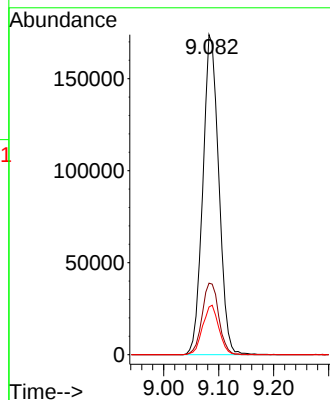
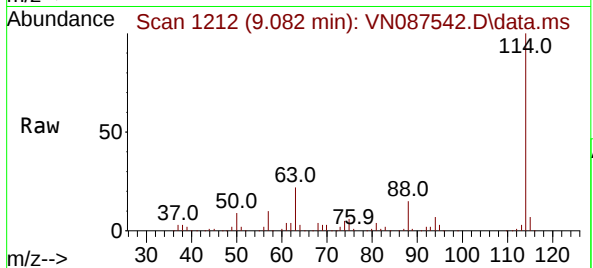
Tgt Ion:114 Resp: 350645

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.6

88 14.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 44.582 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087542.D

Acq: 13 Aug 2025 17:50

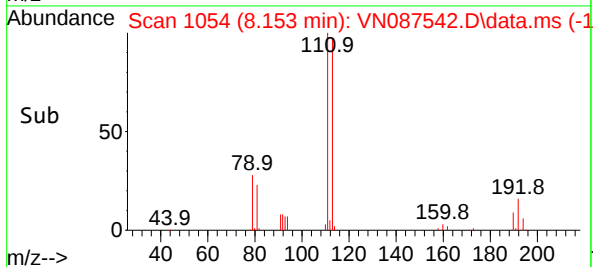
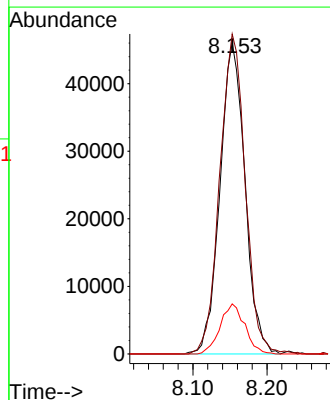
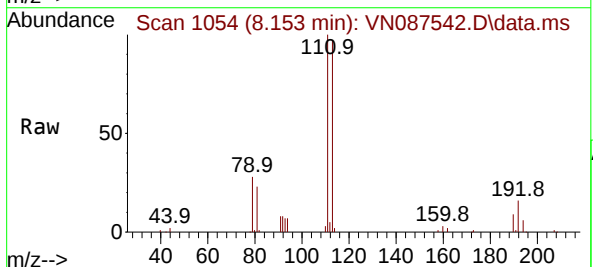
Tgt Ion:113 Resp: 107832

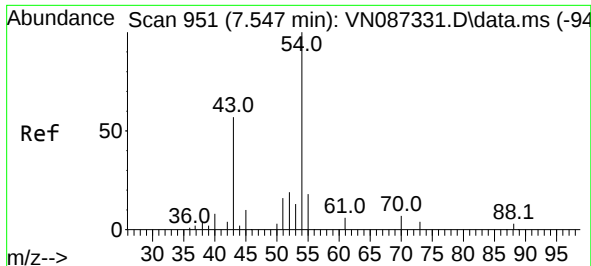
Ion Ratio Lower Upper

113 100

111 104.5 82.5 123.7

192 16.0 13.7 20.5

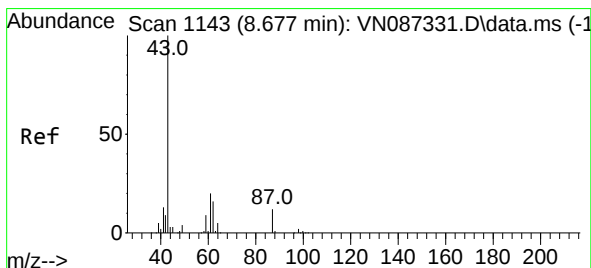
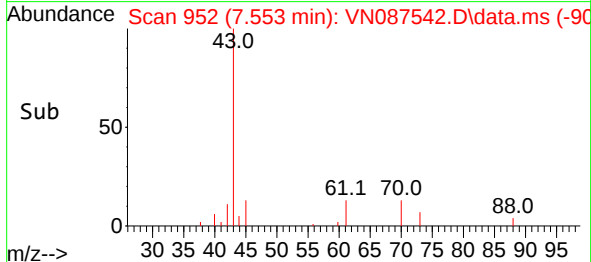
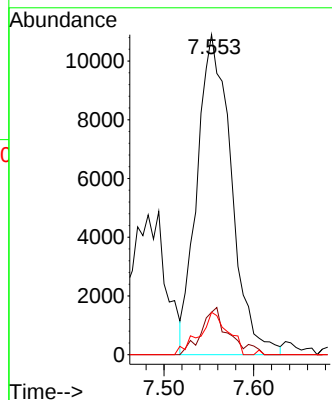
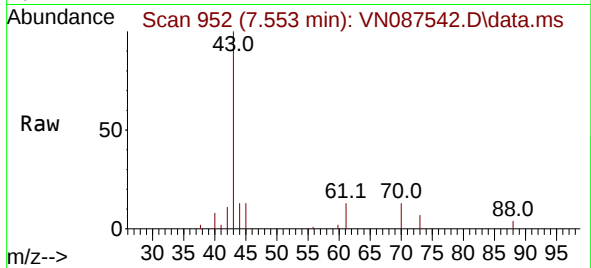




#37
Ethyl Acetate
Concen: 6.247 ug/l
RT: 7.553 min Scan# 911
Delta R.T. 0.006 min
Lab File: VN087542.D
Acq: 13 Aug 2025 17:50

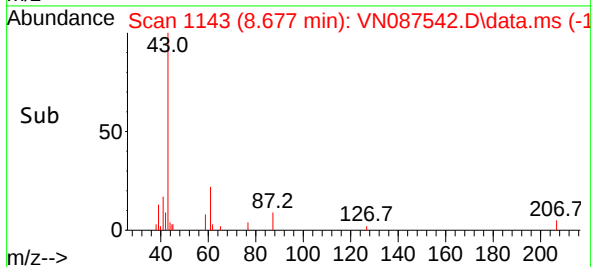
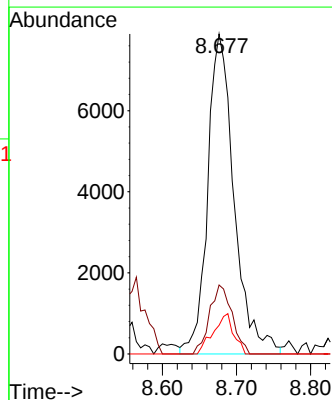
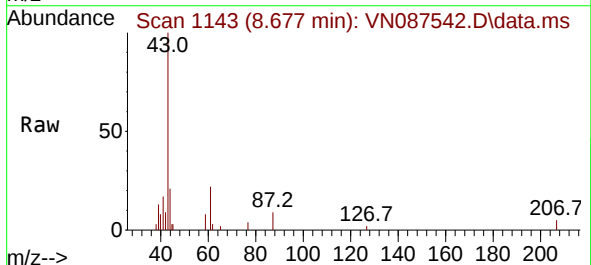
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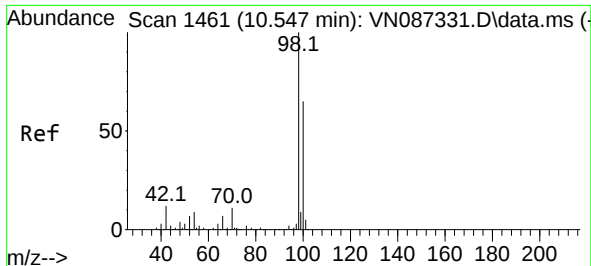
Tgt Ion: 43 Resp: 28831
Ion Ratio Lower Upper
43 100
61 11.9 10.9 16.3
70 11.1 7.4 11.0#



#43
Isopropyl Acetate
Concen: 2.729 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087542.D
Acq: 13 Aug 2025 17:50

Tgt Ion: 43 Resp: 19554
Ion Ratio Lower Upper
43 100
61 18.3 19.8 29.8#
87 9.6 9.8 14.6#

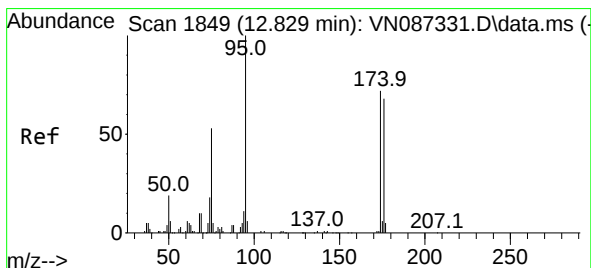
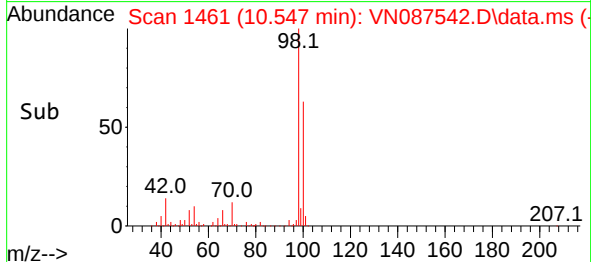
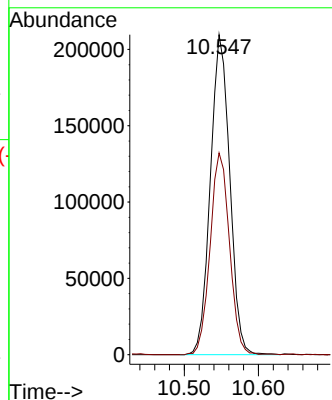
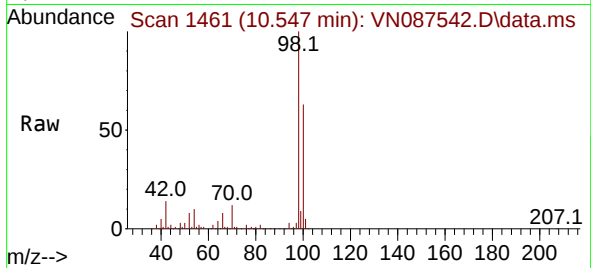




#50
Toluene-d8
Concen: 44.070 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087542.D
Acq: 13 Aug 2025 17:50

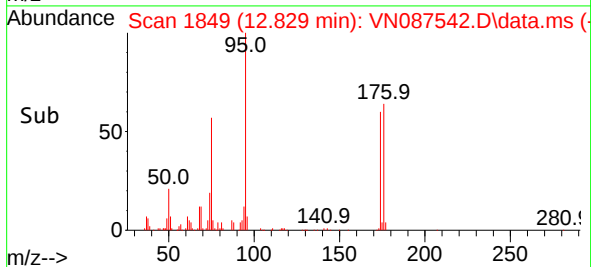
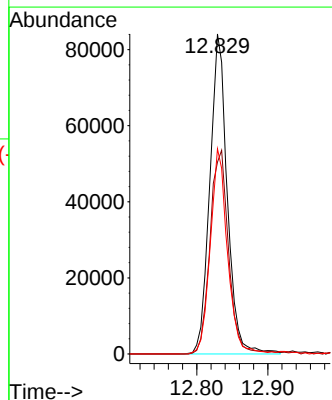
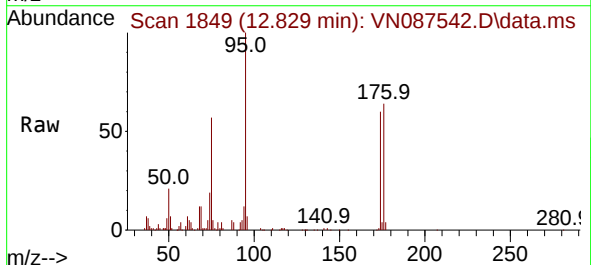
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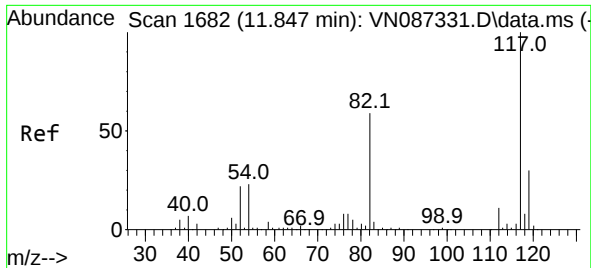
Tgt Ion: 98 Resp: 380235
Ion Ratio Lower Upper
98 100
100 63.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.063 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087542.D
Acq: 13 Aug 2025 17:50

Tgt Ion: 95 Resp: 143643
Ion Ratio Lower Upper
95 100
174 68.2 0.0 149.4
176 63.0 0.0 141.2

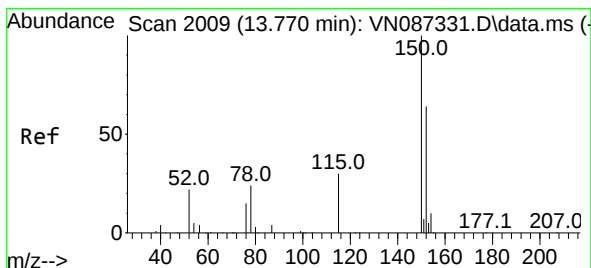
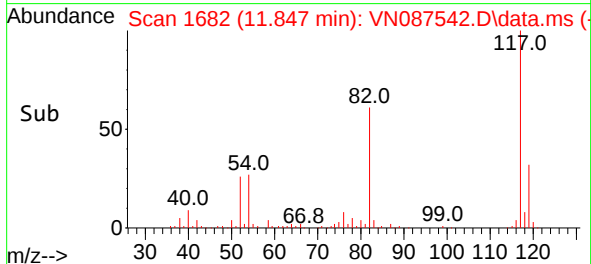
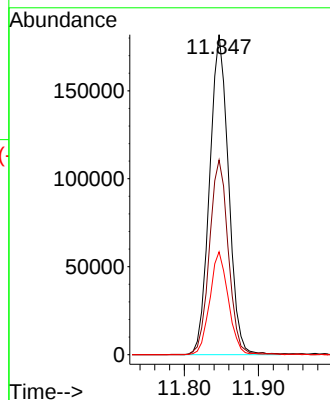
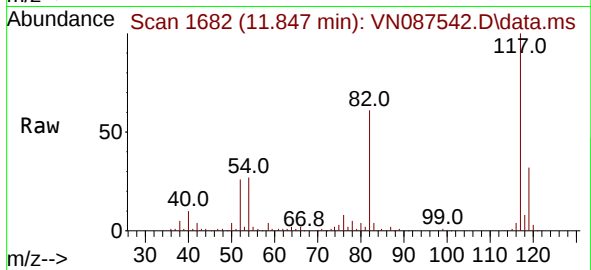




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087542.D
Acq: 13 Aug 2025 17:50

Instrument :
MSVOA_N
ClientSampleId :
TG-S04

Tgt Ion:117 Resp: 322702
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 32.2 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087542.D
Acq: 13 Aug 2025 17:50

Tgt Ion:152 Resp: 146190
Ion Ratio Lower Upper
152 100
115 66.4 31.1 93.5
150 162.7 0.0 349.0

