

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088499.D
 Acq On : 10 Dec 2025 14:47
 Operator : JC\MD
 Sample : Q3814-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6

Quant Time: Dec 11 02:08:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

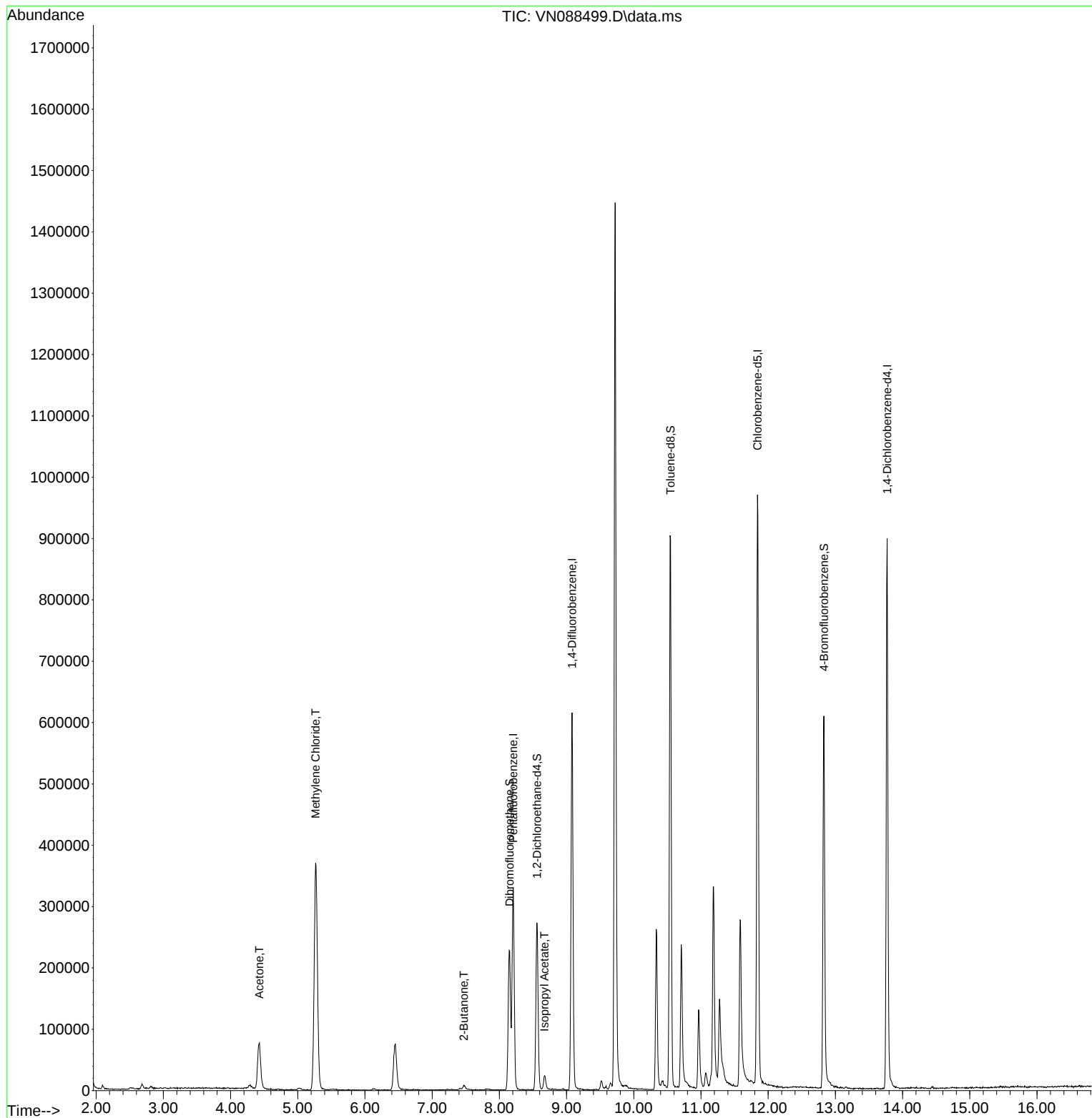
Internal Standards						
1) Pentafluorobenzene	8.206	168	205661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	485984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	520768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	228772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	234602	60.554	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 121.100%		
35) Dibromofluoromethane	8.153	113	165510	49.144	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.280%		
50) Toluene-d8	10.547	98	599949	47.877	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.760%		
62) 4-Bromofluorobenzene	12.829	95	221962	51.624	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 103.240%		
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	161010	114.915	ug/l	96
20) Methylene Chloride	5.265	84	283834	94.683	ug/l	94
25) 2-Butanone	7.471	43	14022	6.225	ug/l #	86
43) Isopropyl Acetate	8.671	43	29388	2.814	ug/l #	88

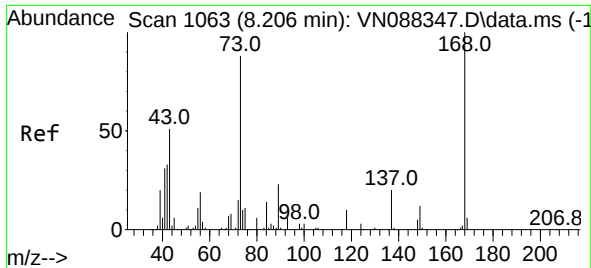
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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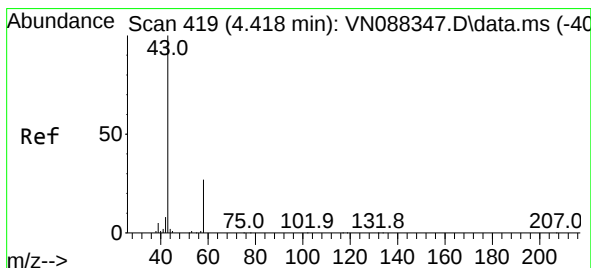
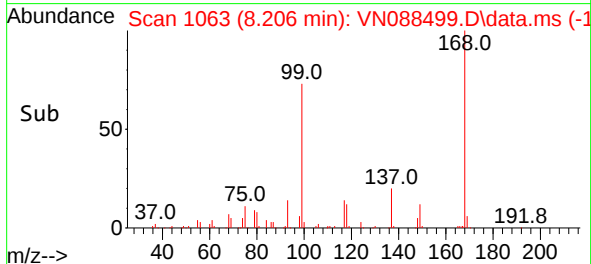
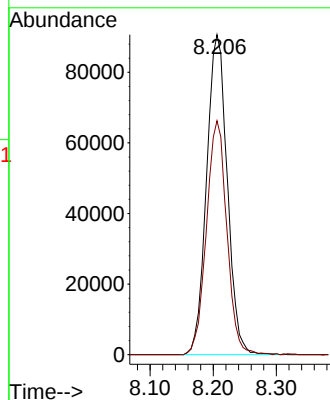
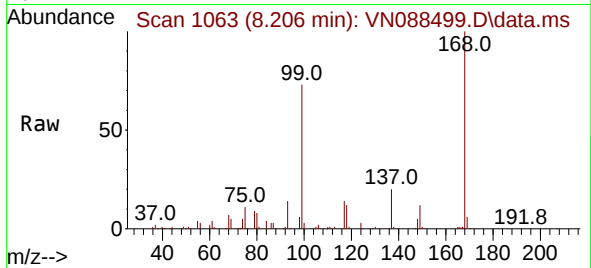




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088499.D
Acq: 10 Dec 2025 14:47

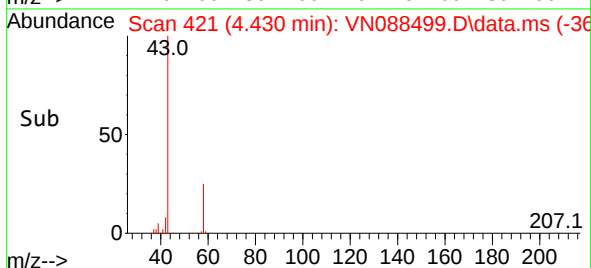
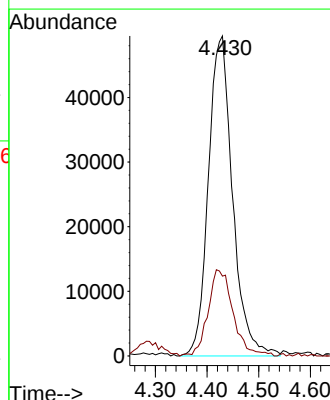
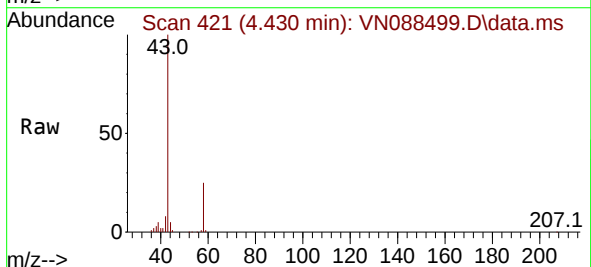
Instrument :
MSVOA_N
ClientSampleId :
TP-6

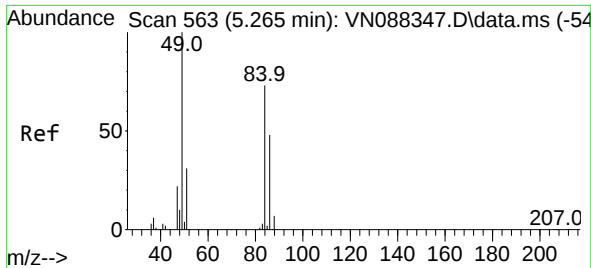
Tgt Ion:168 Resp: 205661
Ion Ratio Lower Upper
168 100
99 73.1 57.1 85.7



#16
Acetone
Concen: 114.915 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN088499.D
Acq: 10 Dec 2025 14:47

Tgt Ion: 43 Resp: 161010
Ion Ratio Lower Upper
43 100
58 25.0 21.7 32.5

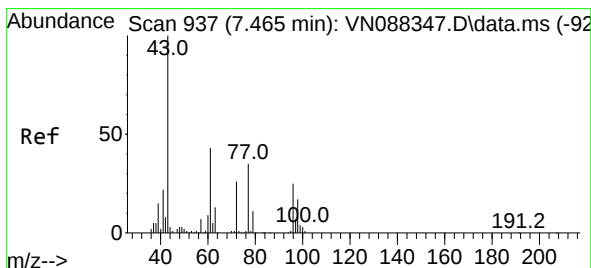
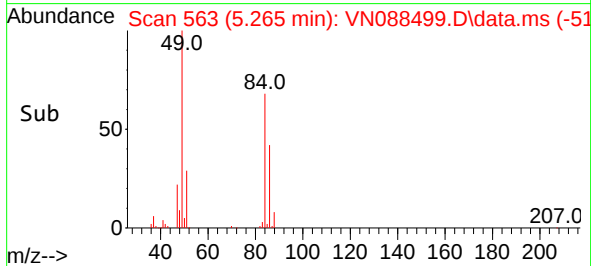
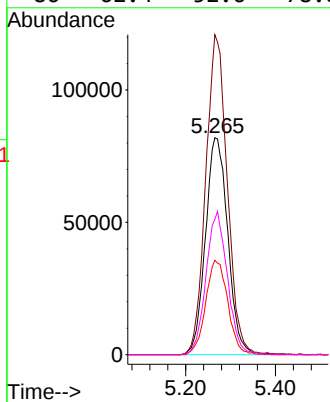
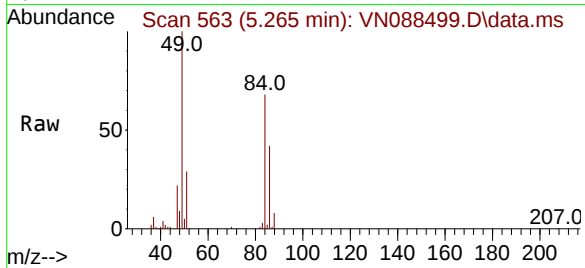




#20
Methylene Chloride
Concen: 94.683 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN088499.D
Acq: 10 Dec 2025 14:47

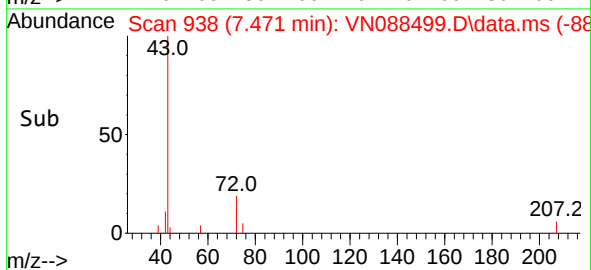
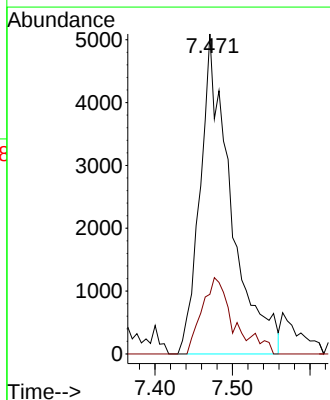
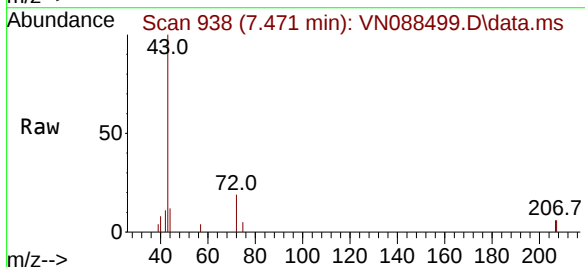
Instrument :
MSVOA_N
ClientSampleId :
TP-6

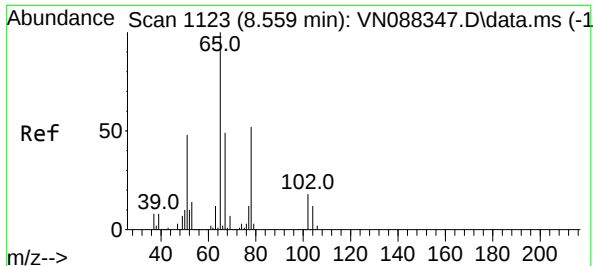
Tgt Ion: 84 Resp: 283834
Ion Ratio Lower Upper
84 100
49 147.5 110.2 165.2
51 43.5 34.1 51.1
86 62.4 52.6 78.8



#25
2-Butanone
Concen: 6.225 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088499.D
Acq: 10 Dec 2025 14:47

Tgt Ion: 43 Resp: 14022
Ion Ratio Lower Upper
43 100
72 18.7 20.5 30.7#





#33

1,2-Dichloroethane-d4

Concen: 60.554 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088499.D

Acq: 10 Dec 2025 14:47

Instrument :

MSVOA_N

ClientSampleId :

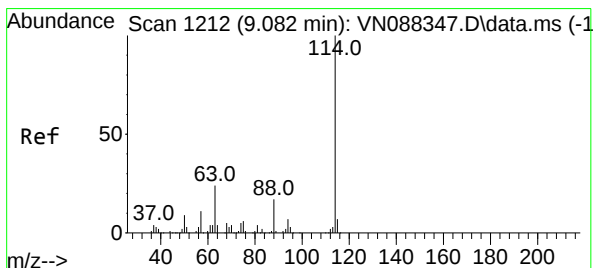
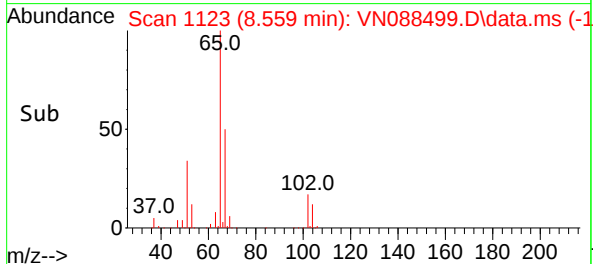
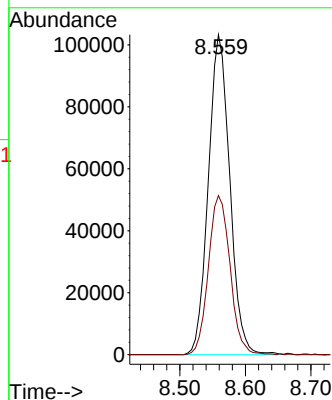
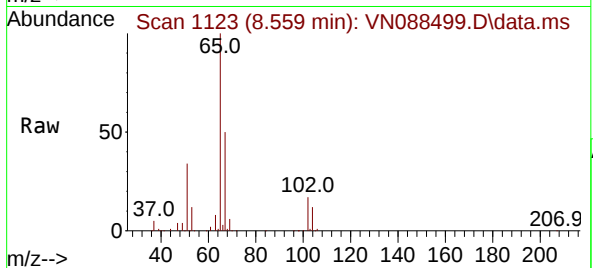
TP-6

Tgt Ion: 65 Resp: 234602

Ion Ratio Lower Upper

65 100

67 50.2 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088499.D

Acq: 10 Dec 2025 14:47

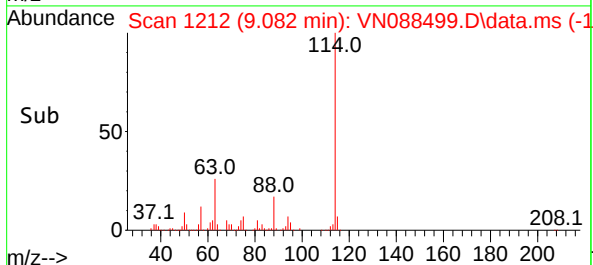
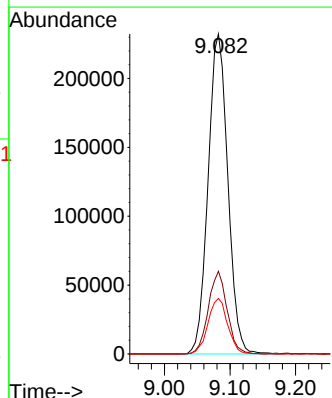
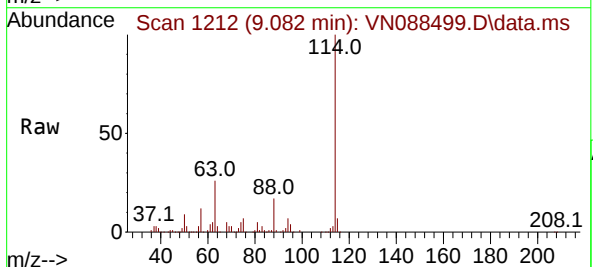
Tgt Ion: 114 Resp: 485984

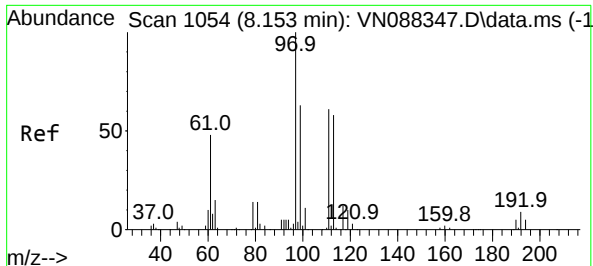
Ion Ratio Lower Upper

114 100

63 25.8 0.0 49.0

88 17.4 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.144 ug/l

RT: 8.153 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088499.D

Acq: 10 Dec 2025 14:47

Instrument :

MSVOA_N

ClientSampleId :

TP-6

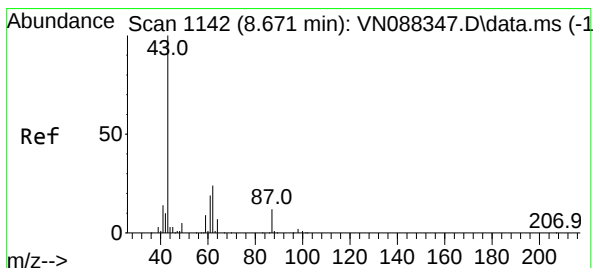
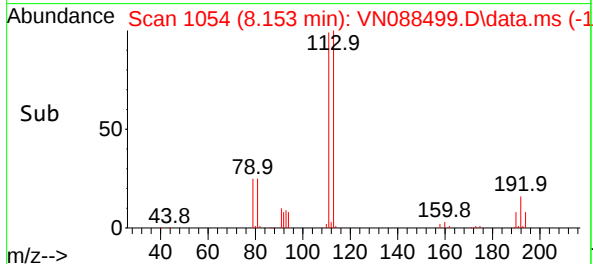
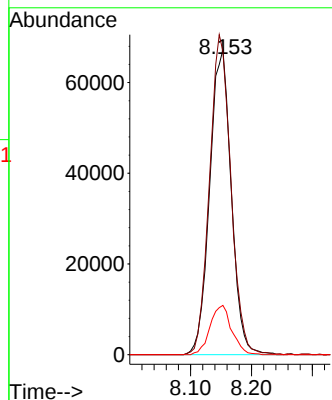
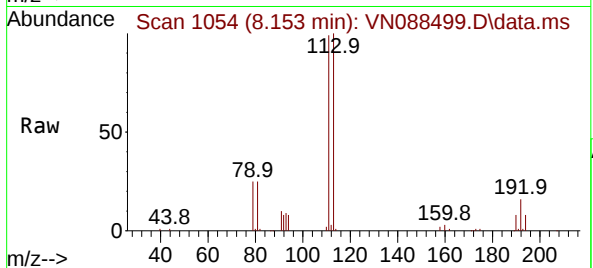
Tgt Ion:113 Resp: 165510

Ion Ratio Lower Upper

113 100

111 103.8 82.5 123.7

192 16.2 12.8 19.2



#43

Isopropyl Acetate

Concen: 2.814 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN088499.D

Acq: 10 Dec 2025 14:47

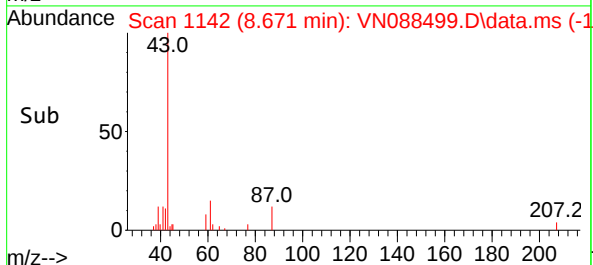
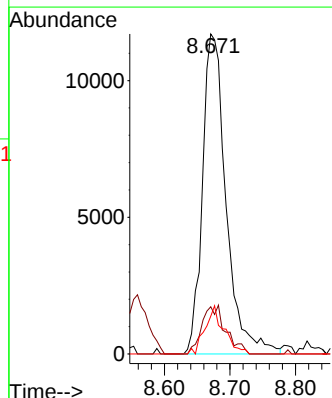
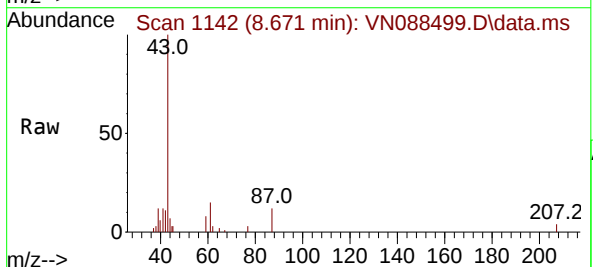
Tgt Ion: 43 Resp: 29388

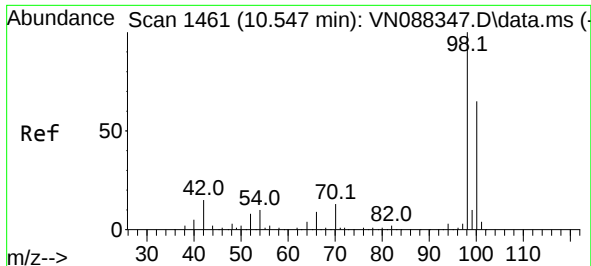
Ion Ratio Lower Upper

43 100

61 15.3 18.7 28.1#

87 12.1 9.1 13.7

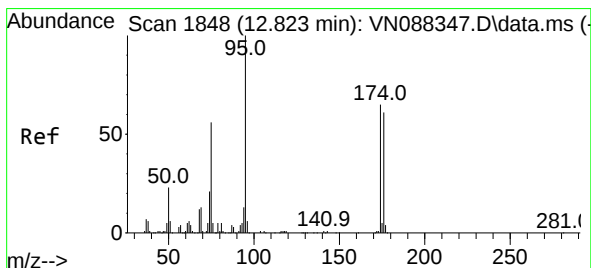
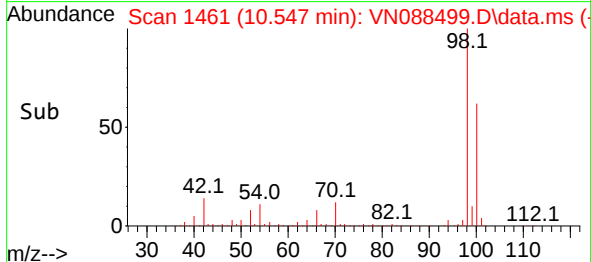
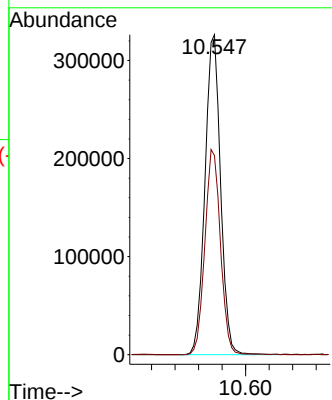
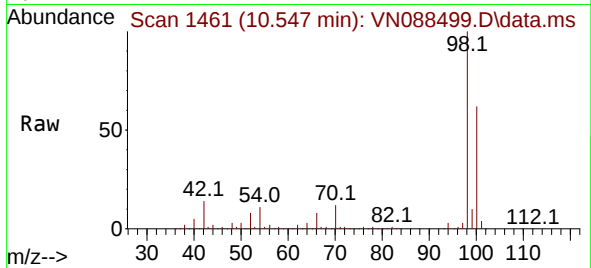




#50
Toluene-d8
Concen: 47.877 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088499.D
Acq: 10 Dec 2025 14:47

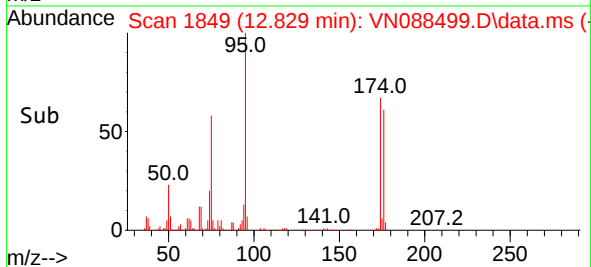
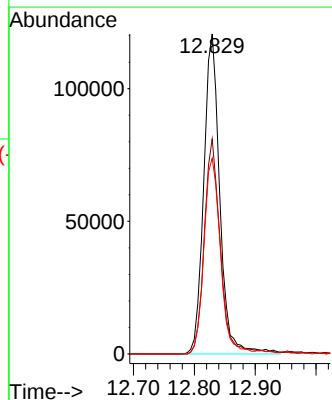
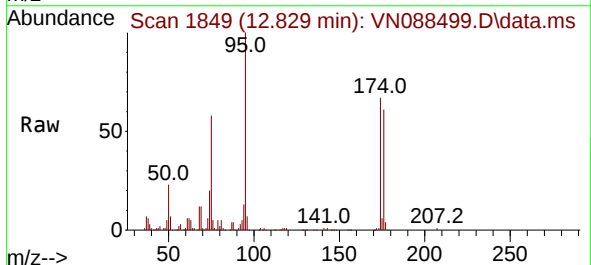
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TP-6

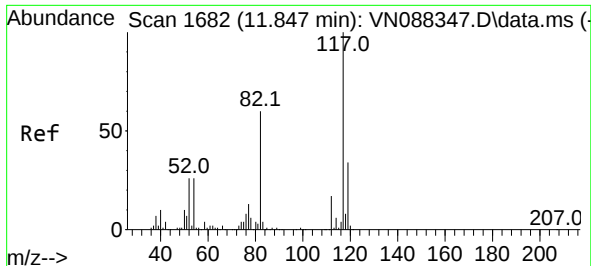
Tgt Ion: 98 Resp: 599949
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 51.624 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088499.D
Acq: 10 Dec 2025 14:47

Tgt Ion: 95 Resp: 221962
Ion Ratio Lower Upper
95 100
174 67.1 0.0 139.0
176 62.9 0.0 132.4

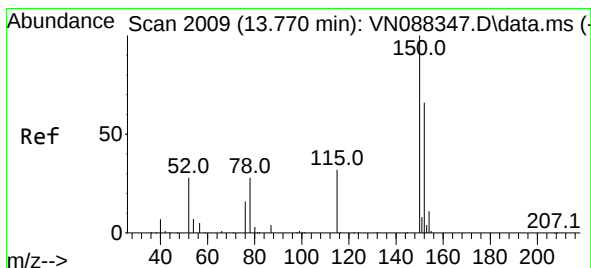
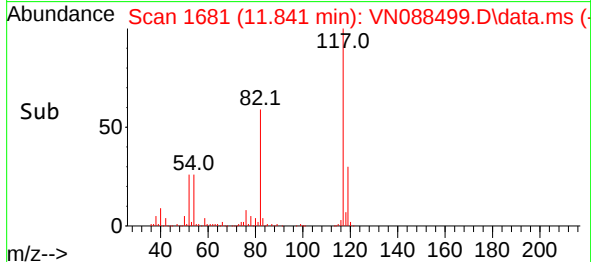
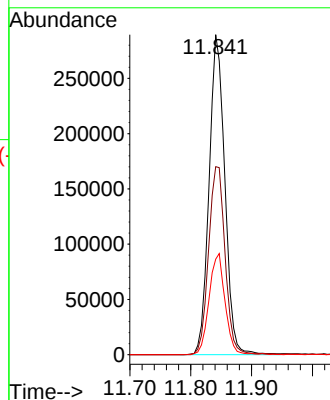
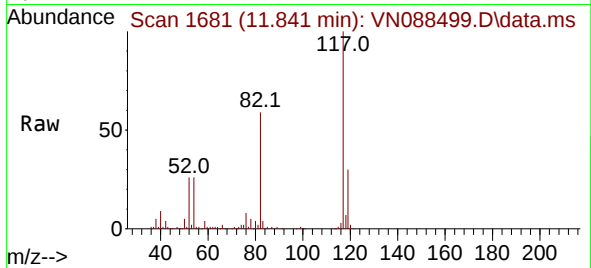




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088499.D
Acq: 10 Dec 2025 14:47

Instrument :
MSVOA_N
ClientSampleId :
TP-6

Tgt Ion:117 Resp: 520768
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.8
119 29.9 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088499.D
Acq: 10 Dec 2025 14:47

Tgt Ion:152 Resp: 228772
Ion Ratio Lower Upper
152 100
115 64.6 33.0 98.9
150 157.4 0.0 349.0

