

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088500.D
 Acq On : 10 Dec 2025 15:08
 Operator : JC\MD
 Sample : Q3814-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

Quant Time: Dec 11 02:09:17 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)

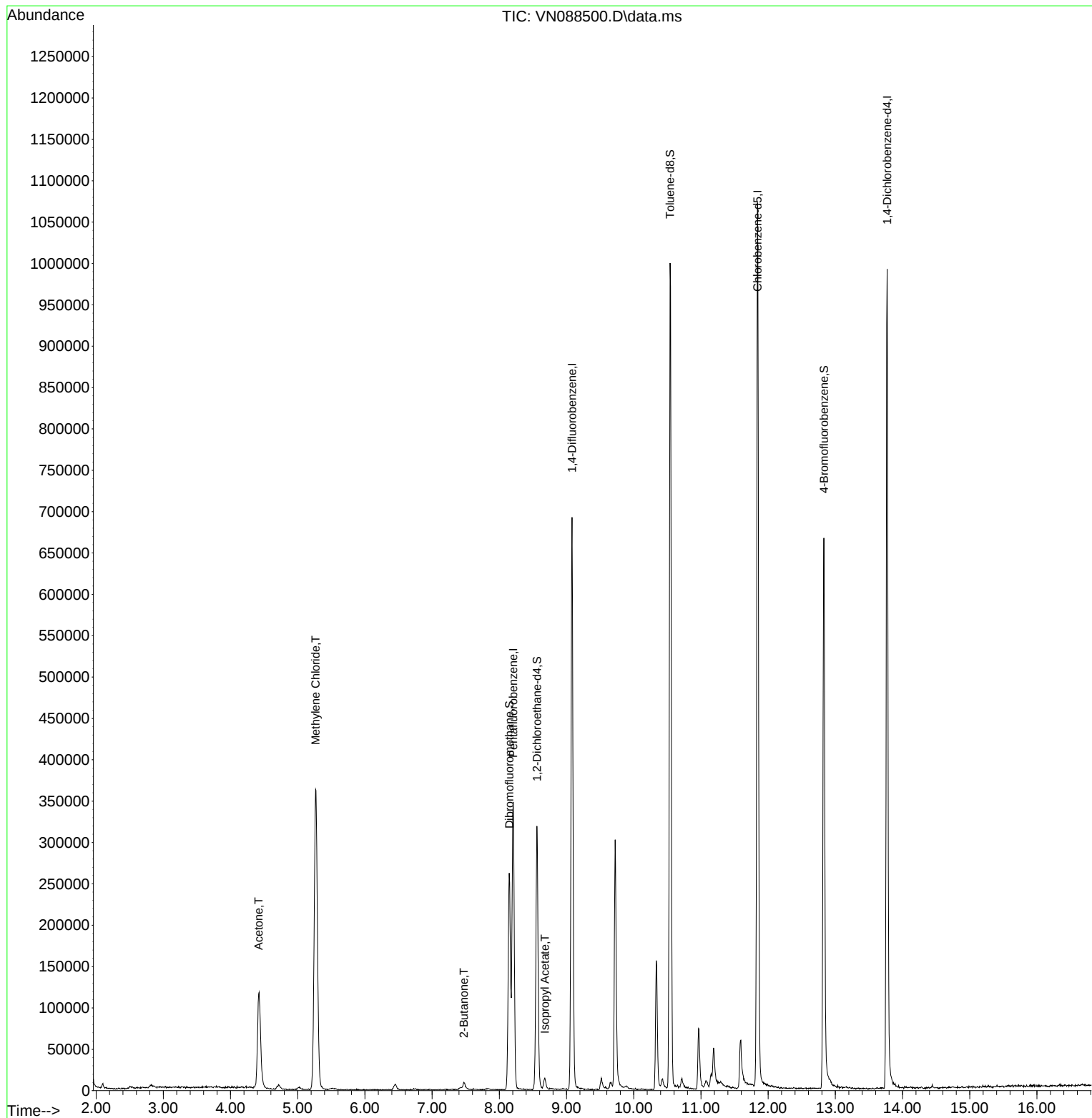
Internal Standards						
1) Pentafluorobenzene	8.206	168	225971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	537711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	569739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	257464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	267082	62.742	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 125.480%#		
35) Dibromofluoromethane	8.147	113	183959	49.368	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.740%		
50) Toluene-d8	10.541	98	658837	47.519	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.040%		
62) 4-Bromofluorobenzene	12.829	95	243234	51.129	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 102.260%		
Target Compounds						
					Qvalue	
16) Acetone	4.418	43	243350	158.071	ug/l	99
20) Methylene Chloride	5.265	84	277185	84.154	ug/l	98
25) 2-Butanone	7.471	43	15895	6.422	ug/l	95
43) Isopropyl Acetate	8.677	43	15852	1.372	ug/l #	89

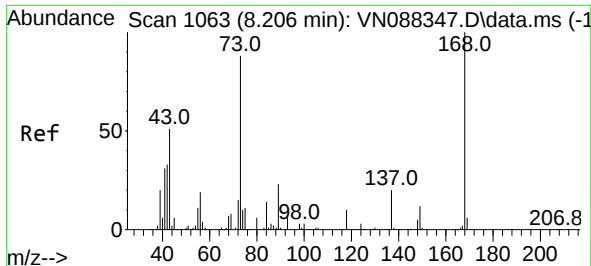
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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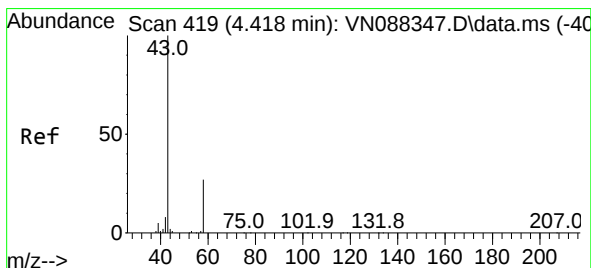
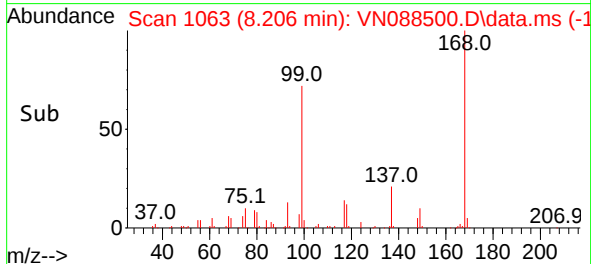
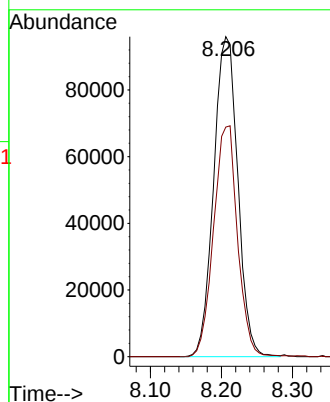
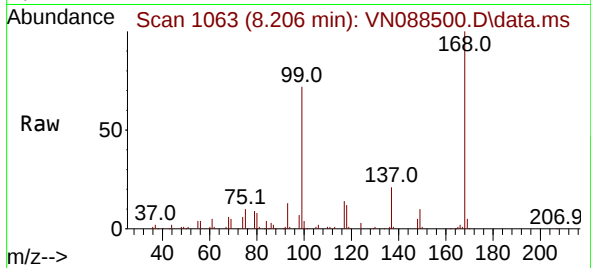




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

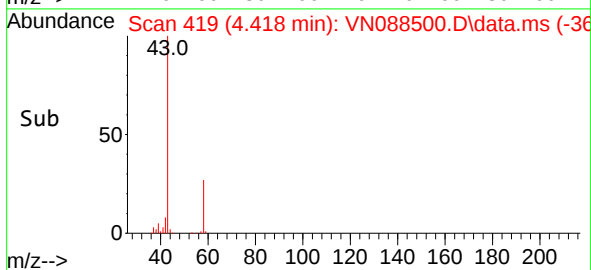
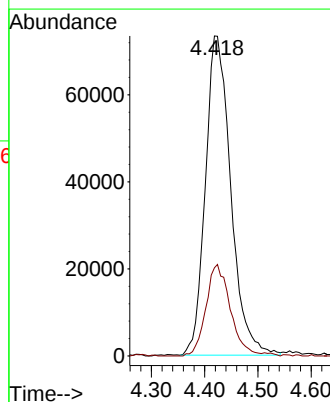
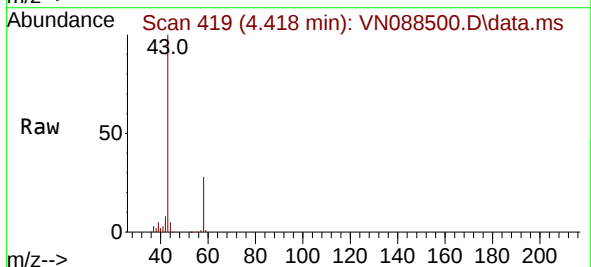
Instrument :
MSVOA_N
ClientSampleId :
TP-7

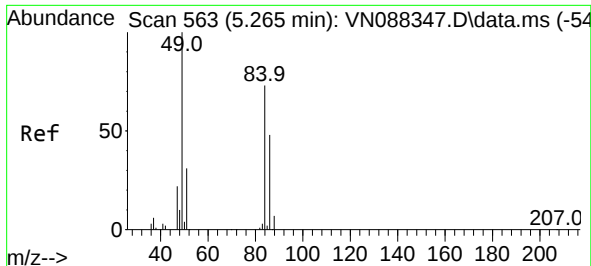
Tgt Ion:168 Resp: 225971
Ion Ratio Lower Upper
168 100
99 71.8 57.1 85.7



#16
Acetone
Concen: 158.071 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

Tgt Ion: 43 Resp: 243350
Ion Ratio Lower Upper
43 100
58 27.6 21.7 32.5

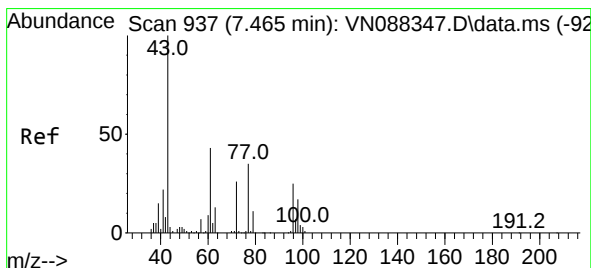
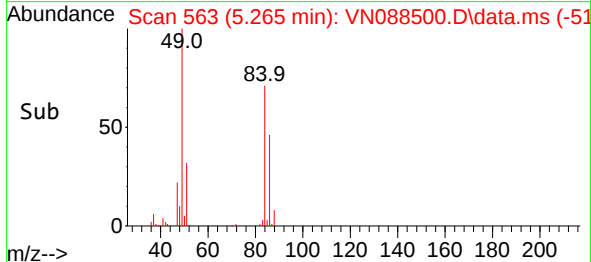
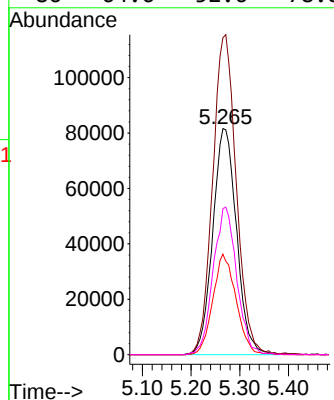
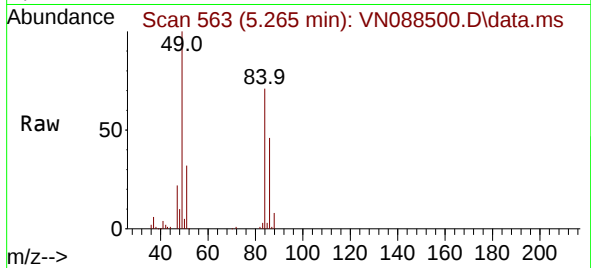




#20
Methylene Chloride
Concen: 84.154 ug/l
RT: 5.265 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

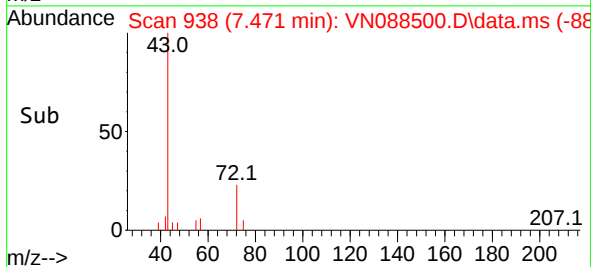
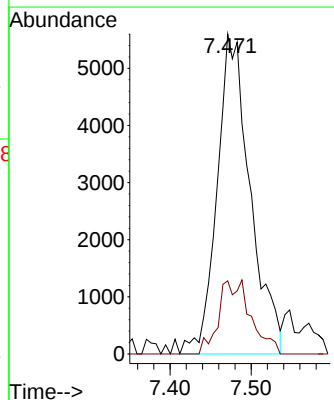
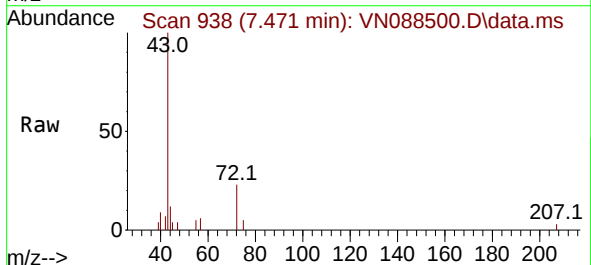
Instrument :
MSVOA_N
ClientSampleId :
TP-7

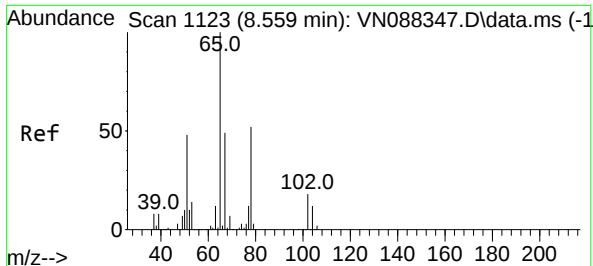
Tgt Ion: 84 Resp: 277185
Ion Ratio Lower Upper
84 100
49 140.2 110.2 165.2
51 44.4 34.1 51.1
86 64.6 52.6 78.8



#25
2-Butanone
Concen: 6.422 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

Tgt Ion: 43 Resp: 15895
Ion Ratio Lower Upper
43 100
72 22.8 20.5 30.7





#33

1,2-Dichloroethane-d4

Concen: 62.742 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088500.D

Acq: 10 Dec 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

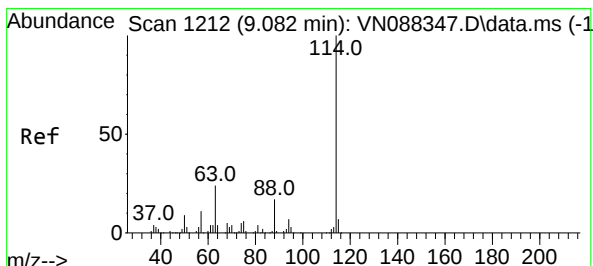
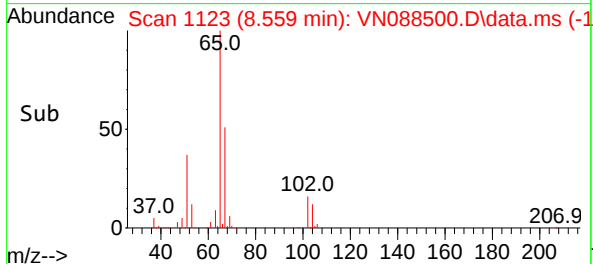
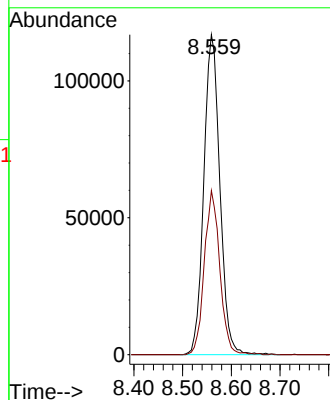
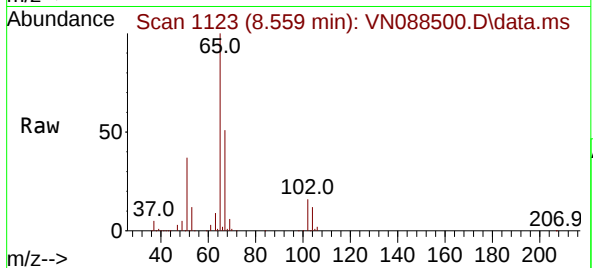
TP-7

Tgt Ion: 65 Resp: 267082

Ion Ratio Lower Upper

65 100

67 49.5 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088500.D

Acq: 10 Dec 2025 15:08

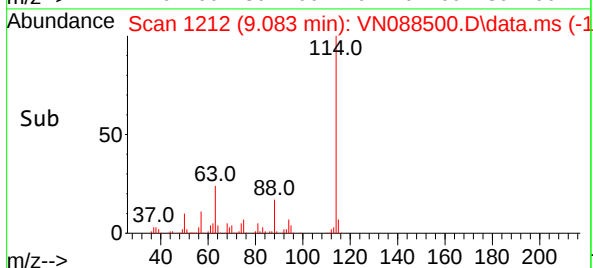
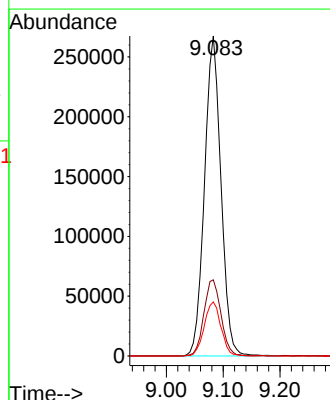
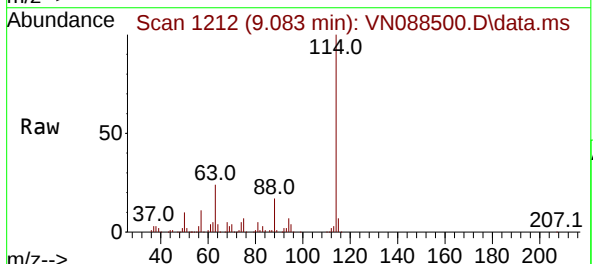
Tgt Ion: 114 Resp: 537711

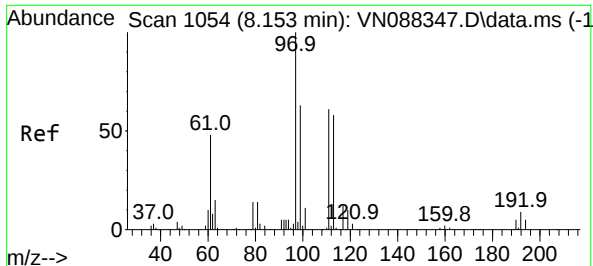
Ion Ratio Lower Upper

114 100

63 23.8 0.0 49.0

88 16.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.368 ug/l

RT: 8.147 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VN088500.D

Acq: 10 Dec 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

TP-7

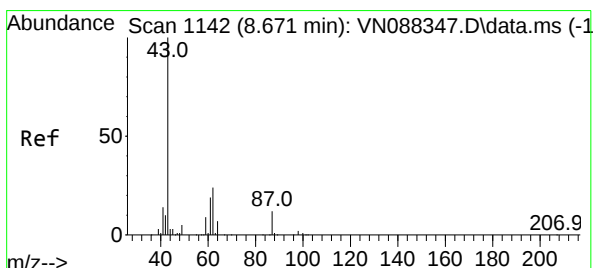
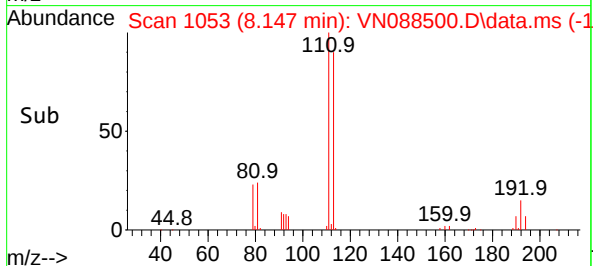
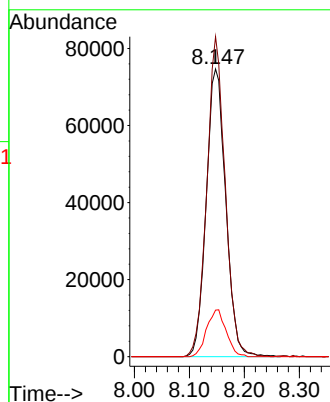
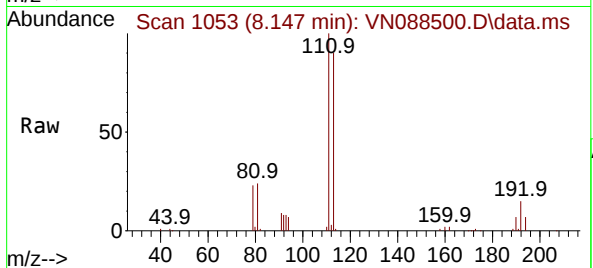
Tgt Ion:113 Resp: 183959

Ion Ratio Lower Upper

113 100

111 104.9 82.5 123.7

192 16.3 12.8 19.2



#43

Isopropyl Acetate

Concen: 1.372 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN088500.D

Acq: 10 Dec 2025 15:08

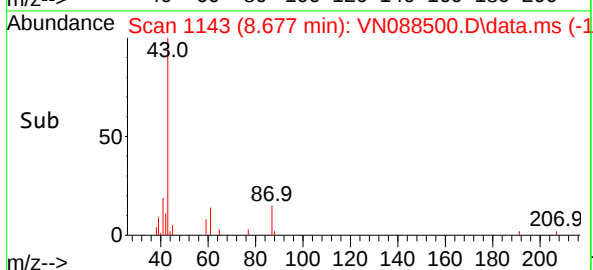
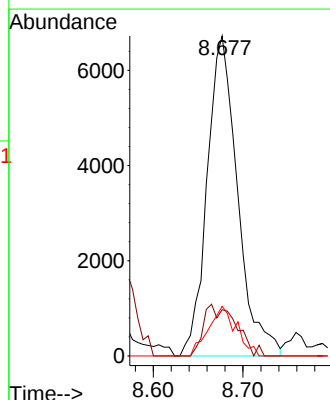
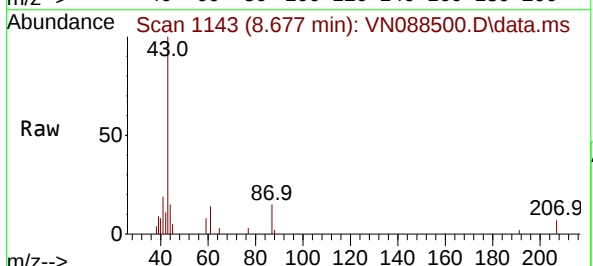
Tgt Ion: 43 Resp: 15852

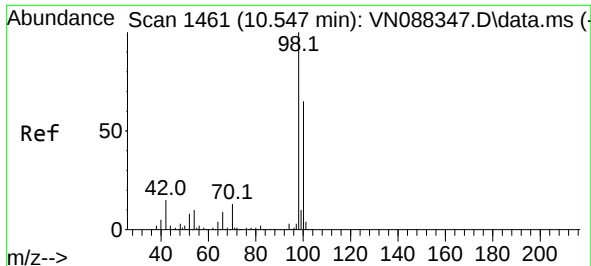
Ion Ratio Lower Upper

43 100

61 17.1 18.7 28.1#

87 14.3 9.1 13.7#

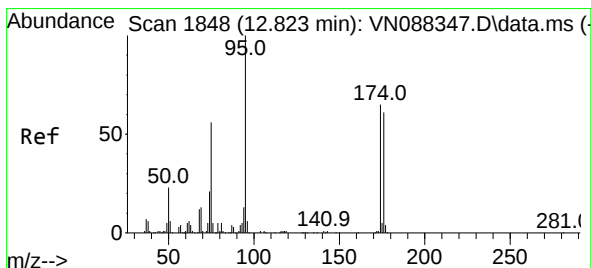
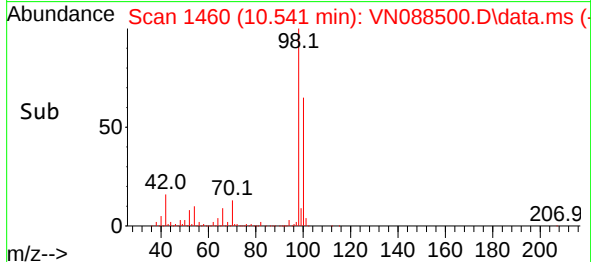
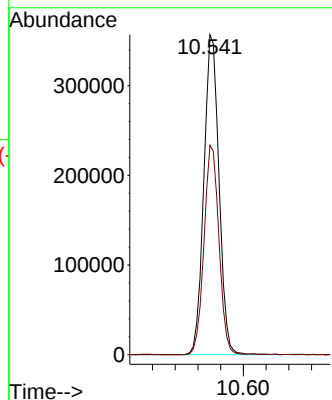
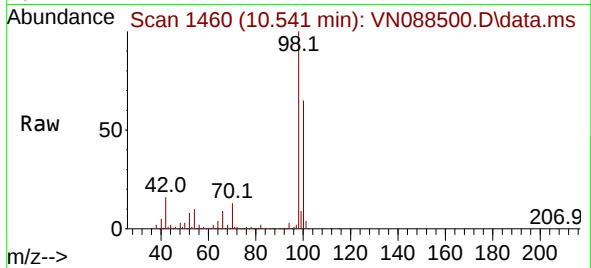




#50
Toluene-d8
Concen: 47.519 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

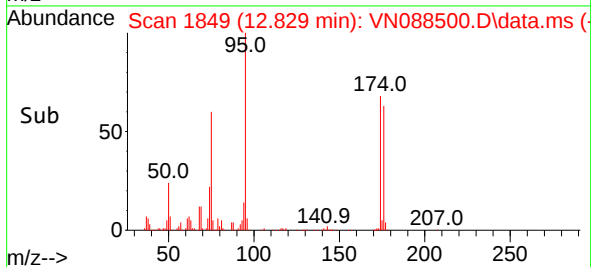
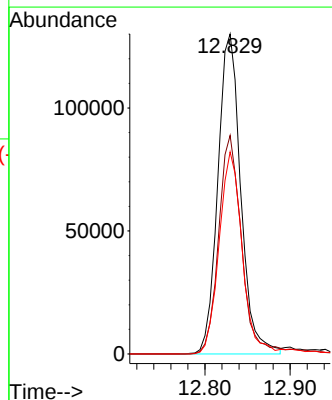
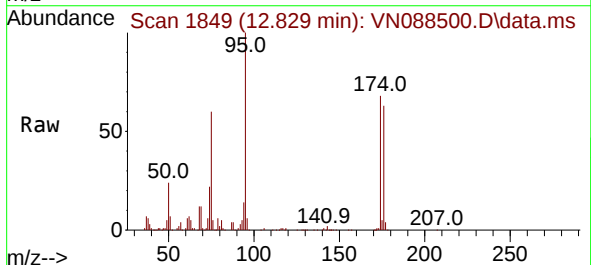
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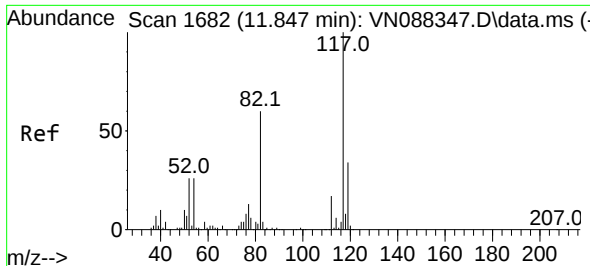
Tgt Ion: 98 Resp: 658837
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 51.129 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

Tgt Ion: 95 Resp: 243234
Ion Ratio Lower Upper
95 100
174 69.5 0.0 139.0
176 63.7 0.0 132.4

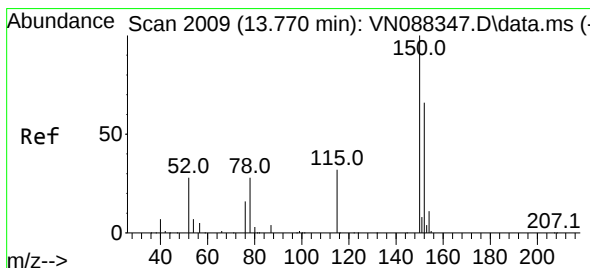
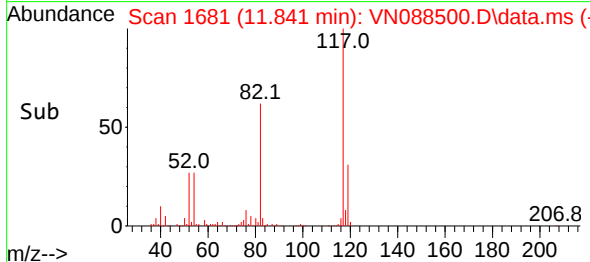
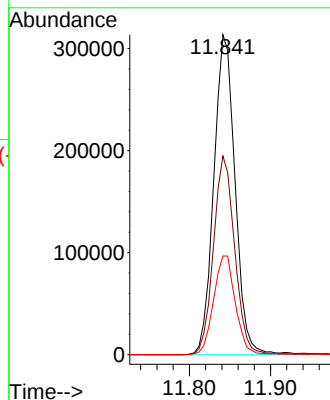
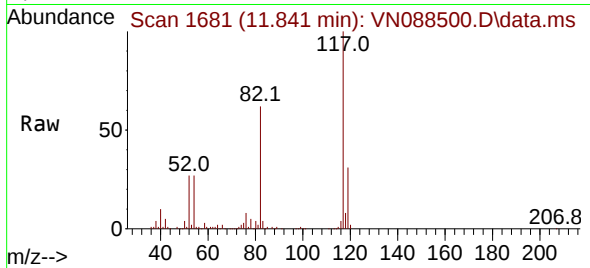




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
TP-7

Tgt Ion:117 Resp: 569739
Ion Ratio Lower Upper
117 100
82 62.1 47.8 71.8
119 30.8 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

Tgt Ion:152 Resp: 257464
Ion Ratio Lower Upper
152 100
115 65.2 33.0 98.9
150 158.2 0.0 349.0

