

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088498.D
 Acq On : 10 Dec 2025 14:27
 Operator : JC\MD
 Sample : Q3814-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Quant Time: Dec 11 02:08:17 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)

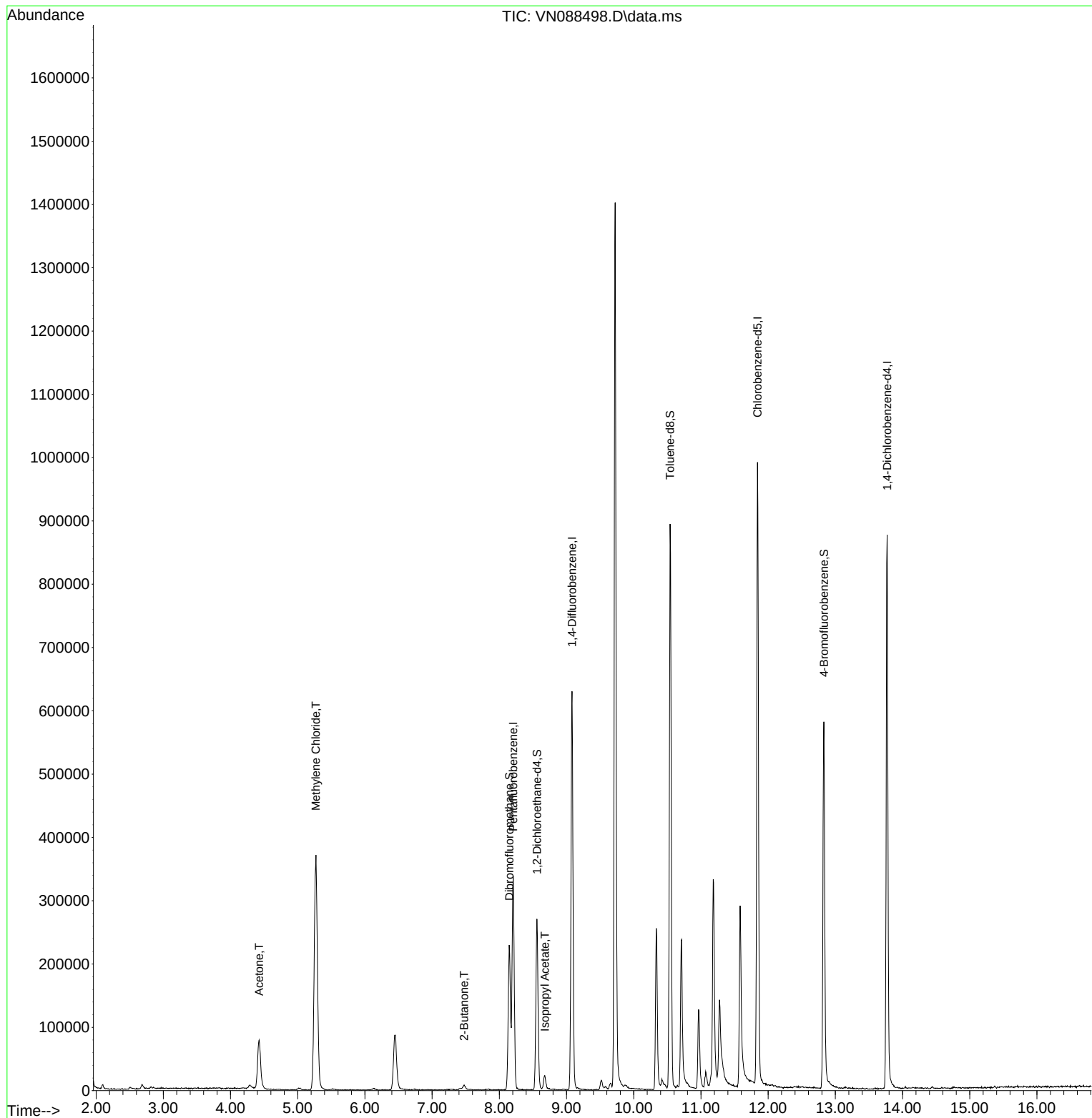
Internal Standards						
1) Pentafluorobenzene	8.206	168	209157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	492790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	515779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	224666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	227197	57.663	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	115.320%	
35) Dibromofluoromethane	8.147	113	162099	47.467	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.940%	
50) Toluene-d8	10.541	98	582359	45.832	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	91.660%	
62) 4-Bromofluorobenzene	12.829	95	213858	49.052	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	98.100%	
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	161427	113.286	ug/l	95
20) Methylene Chloride	5.271	84	282396	92.629	ug/l	97
25) 2-Butanone	7.477	43	13646	5.957	ug/l	95
43) Isopropyl Acetate	8.677	43	29279	2.765	ug/l #	92

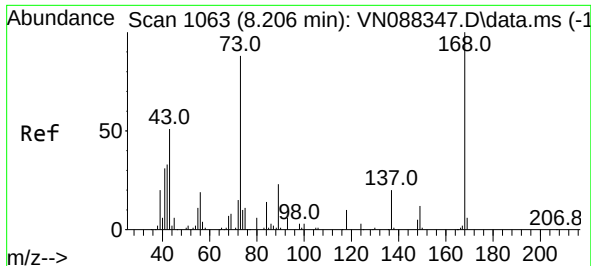
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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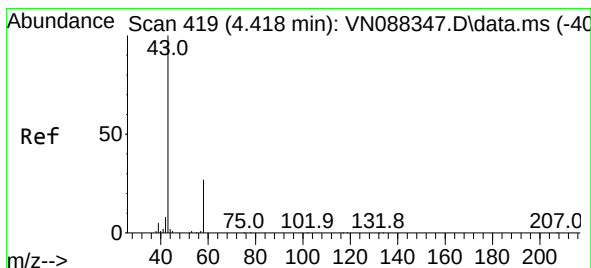
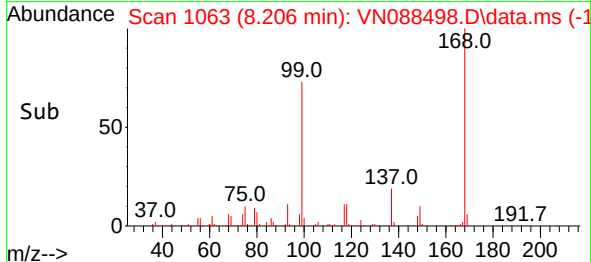
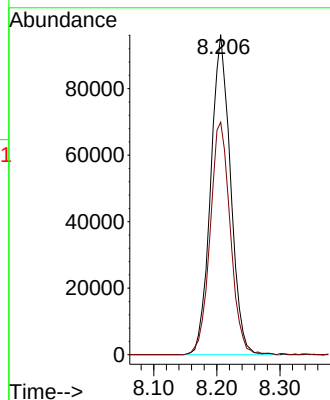
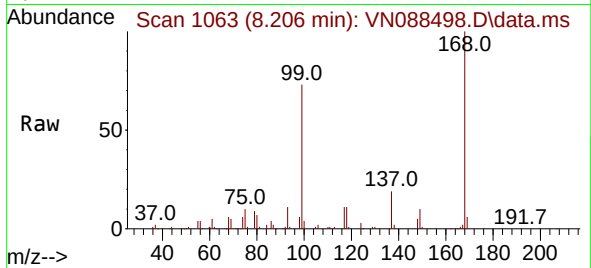




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088498.D
Acq: 10 Dec 2025 14:27

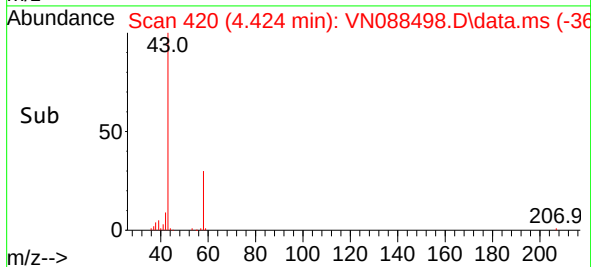
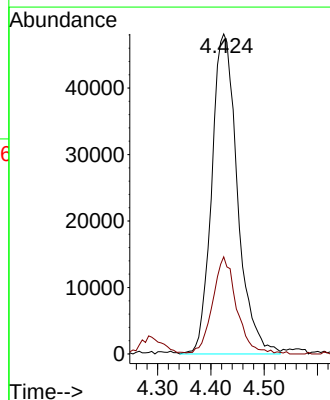
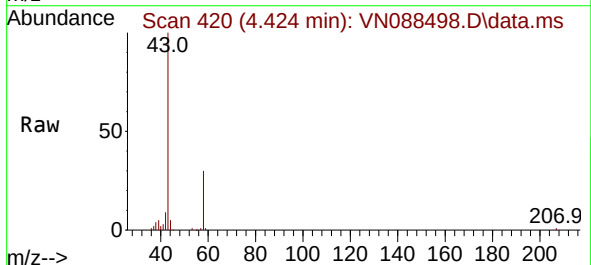
Instrument :
MSVOA_N
ClientSampleId :
TP-5

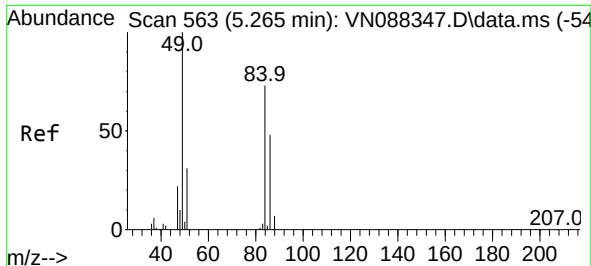
Tgt Ion:168 Resp: 209157
Ion Ratio Lower Upper
168 100
99 72.6 57.1 85.7



#16
Acetone
Concen: 113.286 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088498.D
Acq: 10 Dec 2025 14:27

Tgt Ion: 43 Resp: 161427
Ion Ratio Lower Upper
43 100
58 29.8 21.7 32.5



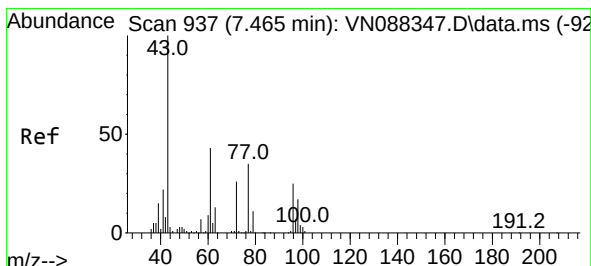
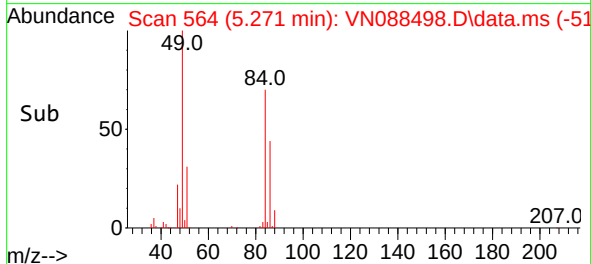
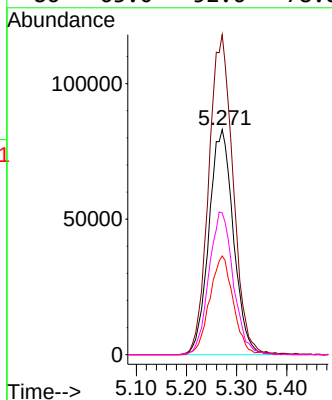
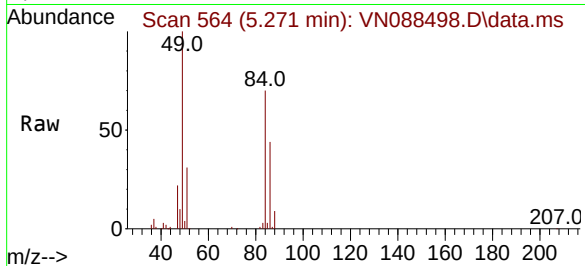


#20
Methylene Chloride
Concen: 92.629 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN088498.D
Acq: 10 Dec 2025 14:27

Instrument :
MSVOA_N
ClientSampleId :
TP-5

Tgt Ion: 84 Resp: 282396

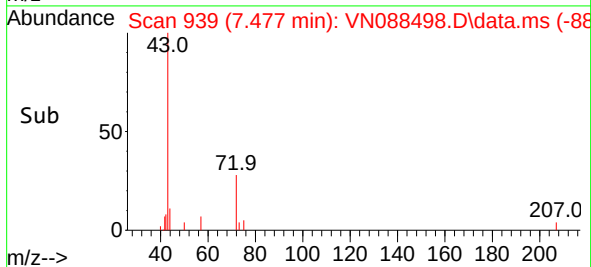
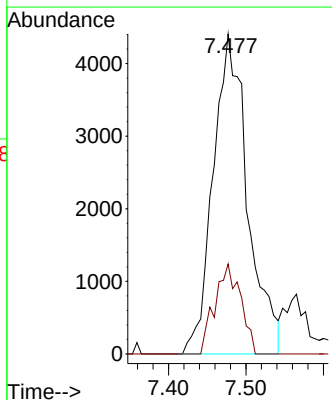
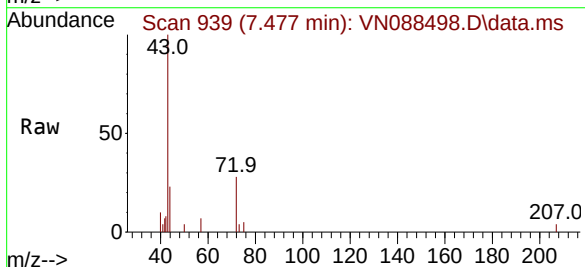
Ion	Ratio	Lower	Upper
84	100		
49	142.1	110.2	165.2
51	43.9	34.1	51.1
86	63.0	52.6	78.8

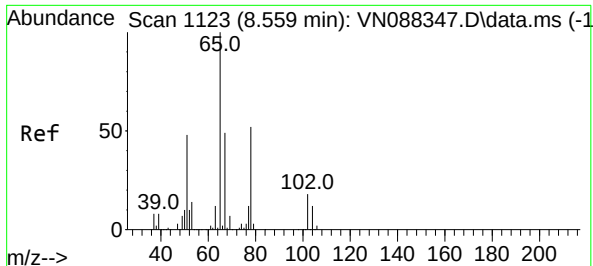


#25
2-Butanone
Concen: 5.957 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN088498.D
Acq: 10 Dec 2025 14:27

Tgt Ion: 43 Resp: 13646

Ion	Ratio	Lower	Upper
43	100		
72	28.2	20.5	30.7





#33

1,2-Dichloroethane-d4

Concen: 57.663 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088498.D

Acq: 10 Dec 2025 14:27

Instrument :

MSVOA_N

ClientSampleId :

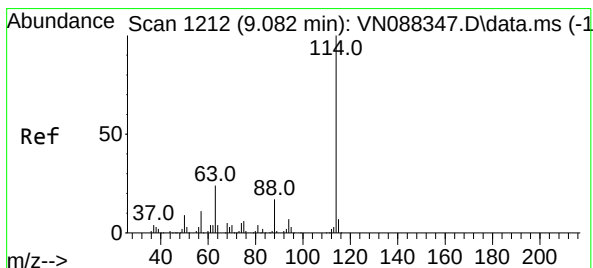
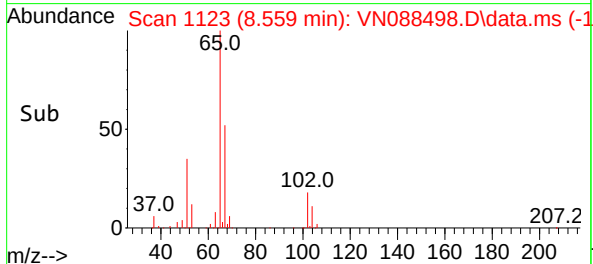
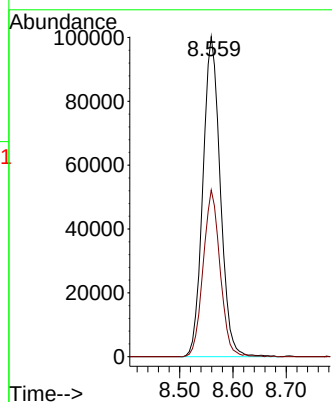
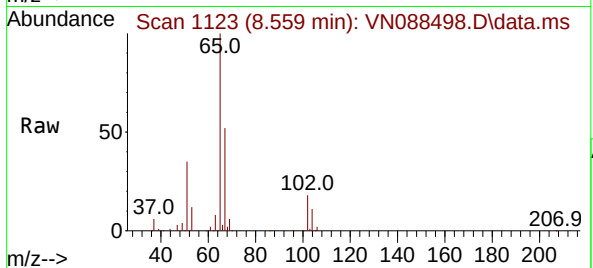
TP-5

Tgt Ion: 65 Resp: 227197

Ion Ratio Lower Upper

65 100

67 50.7 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: VN088498.D

Acq: 10 Dec 2025 14:27

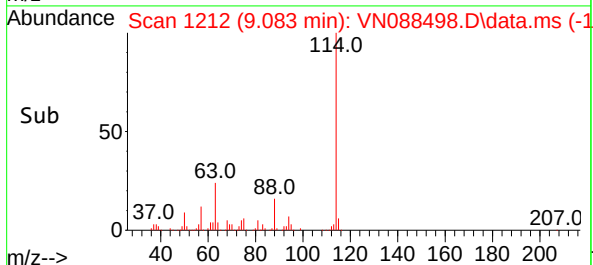
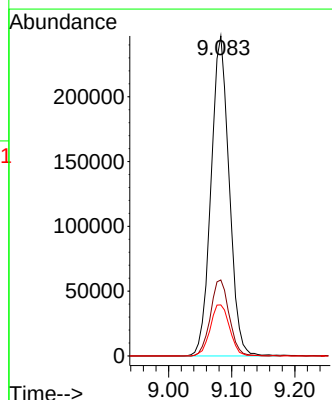
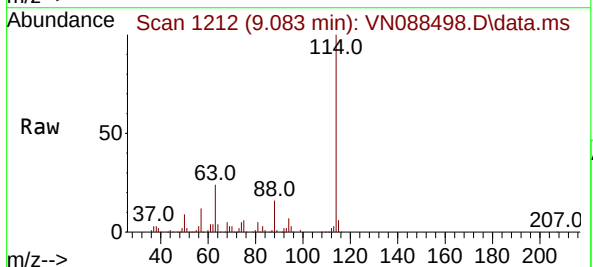
Tgt Ion: 114 Resp: 492790

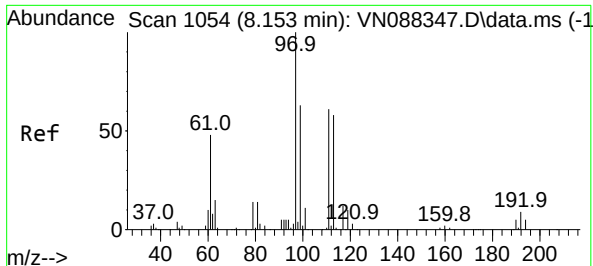
Ion Ratio Lower Upper

114 100

63 23.8 0.0 49.0

88 16.0 0.0 34.0





#35

Dibromofluoromethane

Concen: 47.467 ug/l

RT: 8.147 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VN088498.D

Acq: 10 Dec 2025 14:27

Instrument :

MSVOA_N

ClientSampleId :

TP-5

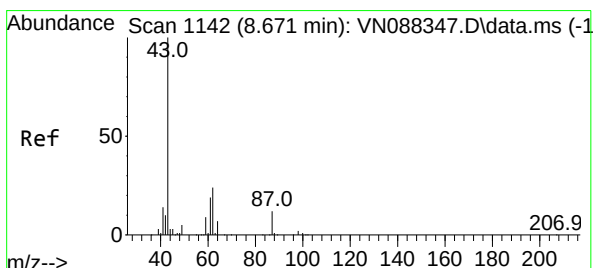
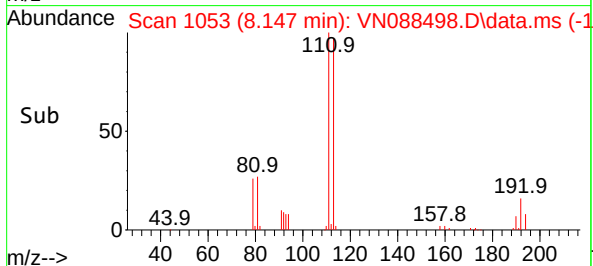
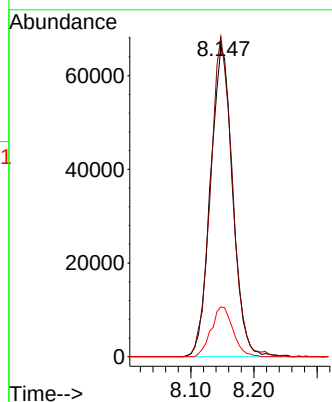
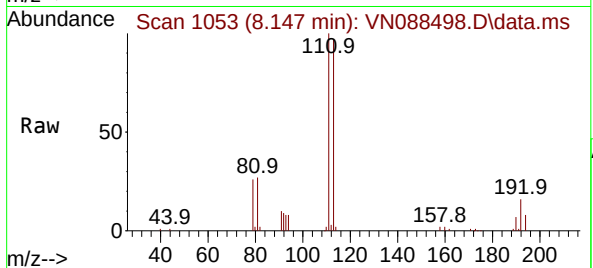
Tgt Ion:113 Resp: 162099

Ion Ratio Lower Upper

113 100

111 101.4 82.5 123.7

192 15.7 12.8 19.2



#43

Isopropyl Acetate

Concen: 2.765 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN088498.D

Acq: 10 Dec 2025 14:27

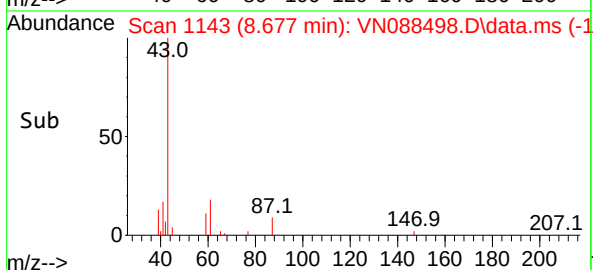
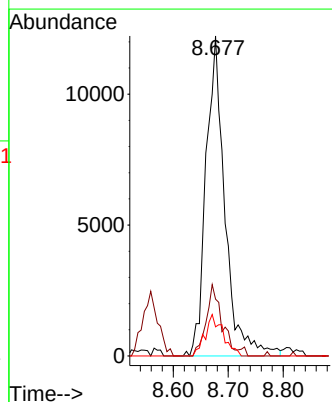
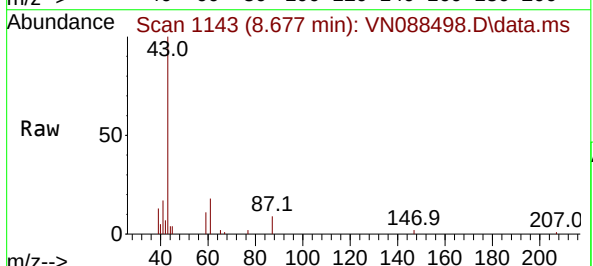
Tgt Ion: 43 Resp: 29279

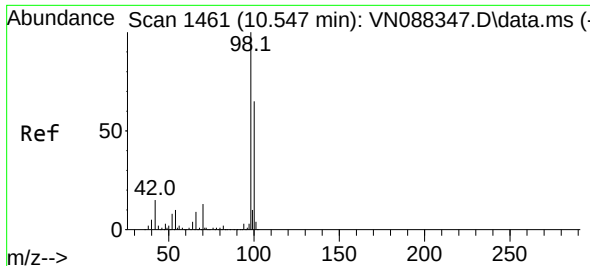
Ion Ratio Lower Upper

43 100

61 18.2 18.7 28.1#

87 12.2 9.1 13.7

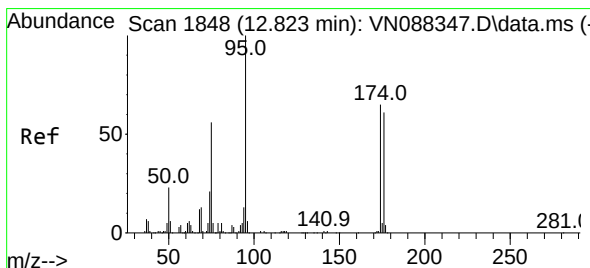
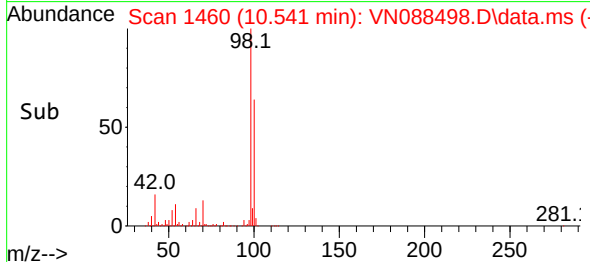
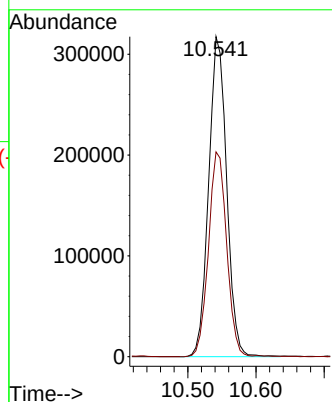
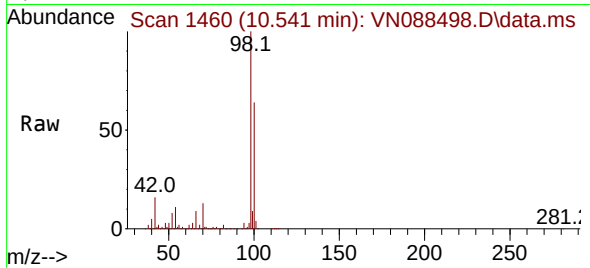




#50
Toluene-d8
Concen: 45.832 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088498.D
Acq: 10 Dec 2025 14:27

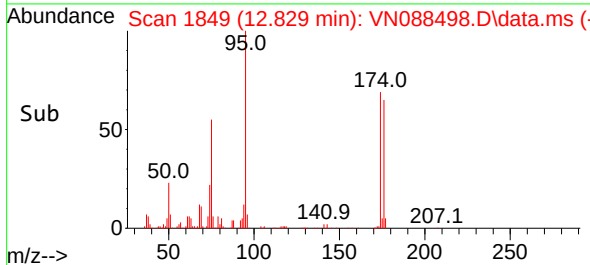
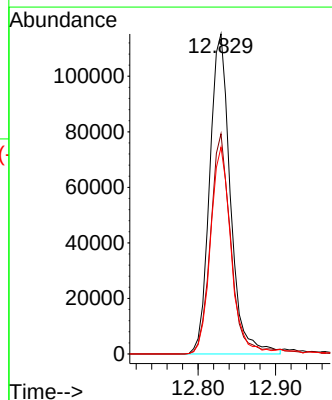
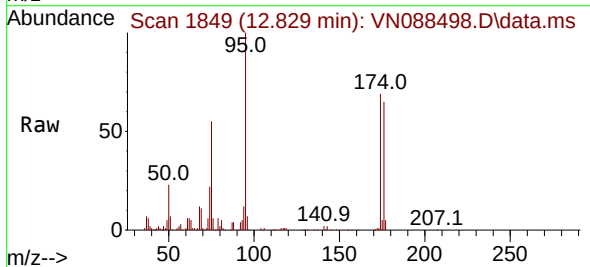
Instrument :
MSVOA_N
ClientSampleId :
TP-5

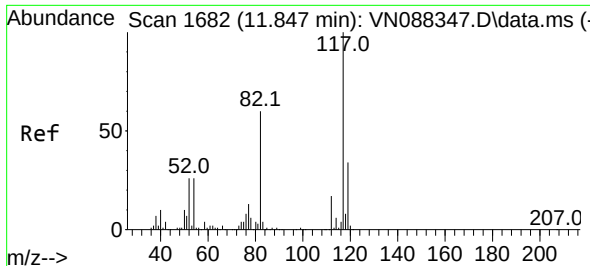
Tgt Ion: 98 Resp: 582359
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 49.052 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088498.D
Acq: 10 Dec 2025 14:27

Tgt Ion: 95 Resp: 213858
Ion Ratio Lower Upper
95 100
174 68.2 0.0 139.0
176 64.1 0.0 132.4

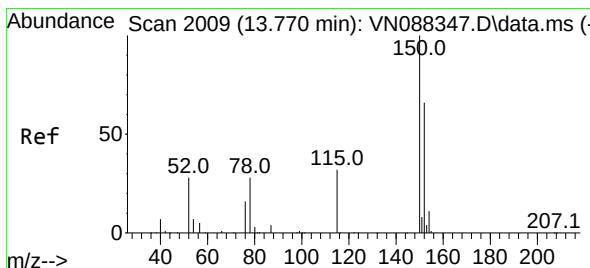
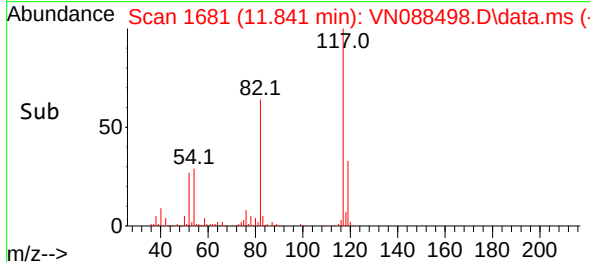
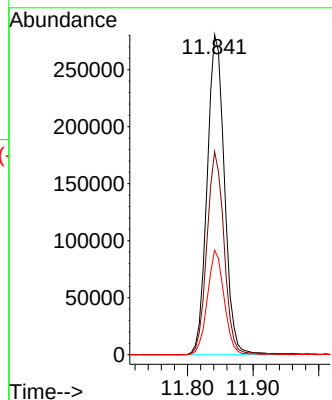
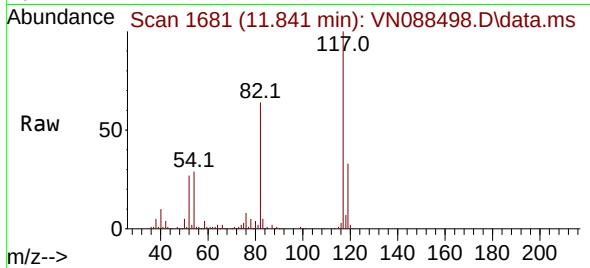




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088498.D
Acq: 10 Dec 2025 14:27

Instrument :
MSVOA_N
ClientSampleId :
TP-5

Tgt Ion:117 Resp: 515779
Ion Ratio Lower Upper
117 100
82 63.5 47.8 71.8
119 32.7 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: VN088498.D
Acq: 10 Dec 2025 14:27

Tgt Ion:152 Resp: 224666
Ion Ratio Lower Upper
152 100
115 67.4 33.0 98.9
150 159.0 0.0 349.0

