

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
 Data File : VN088253.D
 Acq On : 11 Nov 2025 13:44
 Operator : JC\MD
 Sample : Q3581-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RBR200059

Quant Time: Nov 12 01:15:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

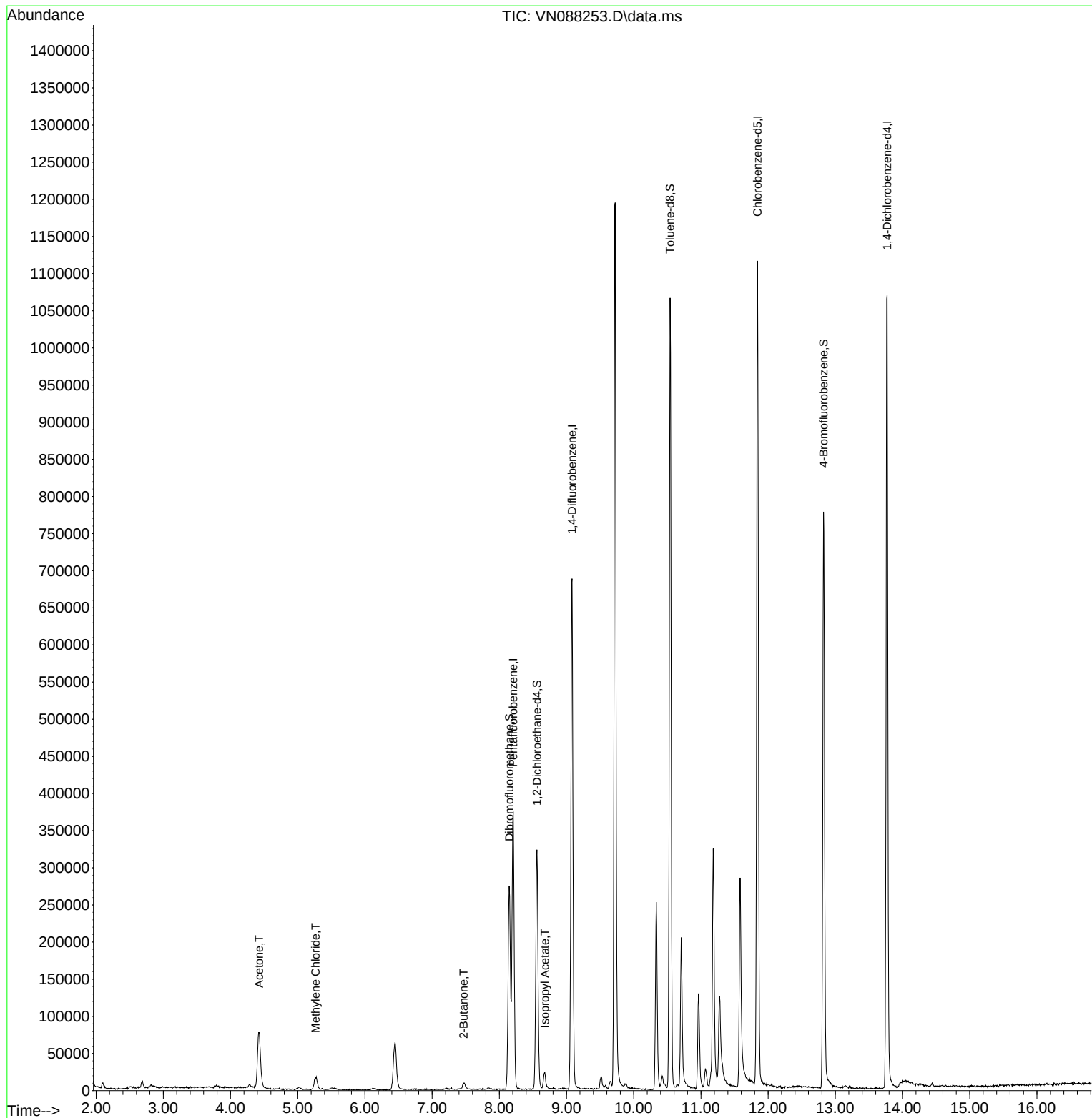
Internal Standards						
1) Pentafluorobenzene	8.206	168	244745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	570899	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	575978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	278752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	271026	64.040	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 128.080%#		
35) Dibromofluoromethane	8.147	113	197307	51.445	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.880%		
50) Toluene-d8	10.541	98	704831	47.694	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.380%		
62) 4-Bromofluorobenzene	12.823	95	280830	53.808	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 107.620%		
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	157918	74.273	ug/l	97
20) Methylene Chloride	5.265	84	13238	3.709	ug/l	91
25) 2-Butanone	7.471	43	16301	5.818	ug/l	94
43) Isopropyl Acetate	8.677	43	28282	2.547	ug/l	94

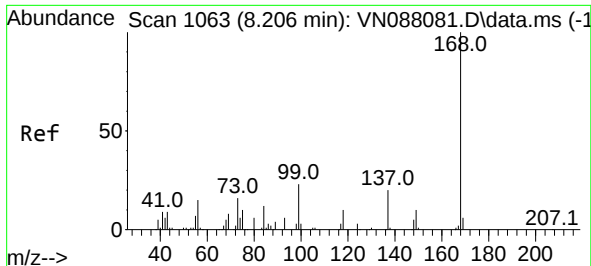
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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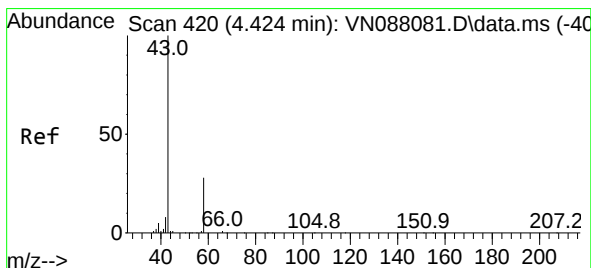
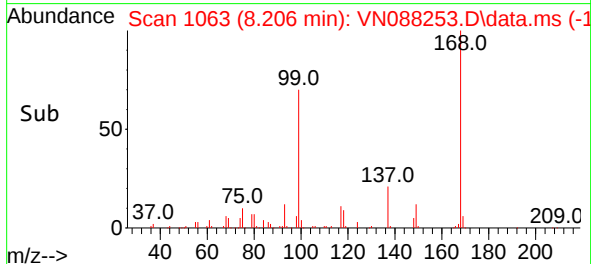
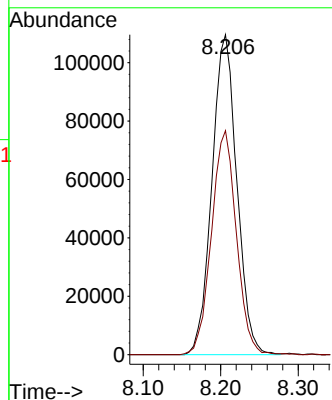
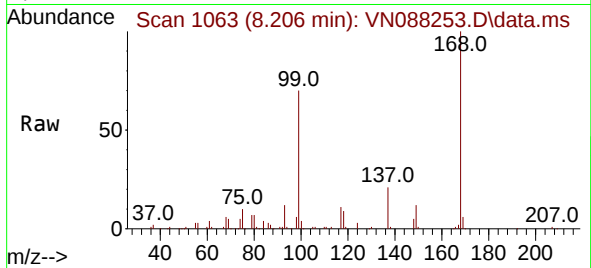




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088253.D
Acq: 11 Nov 2025 13:44

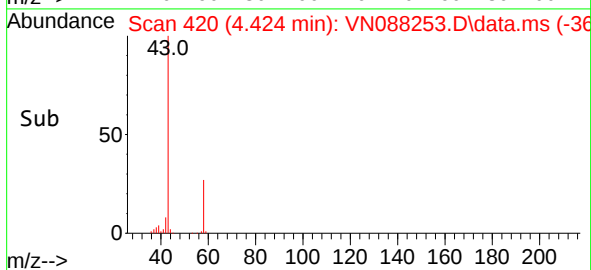
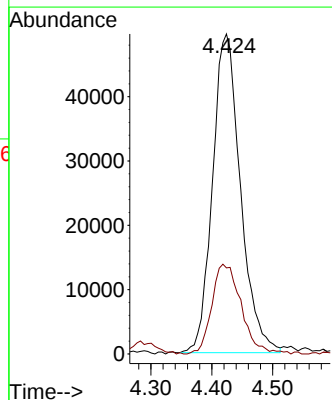
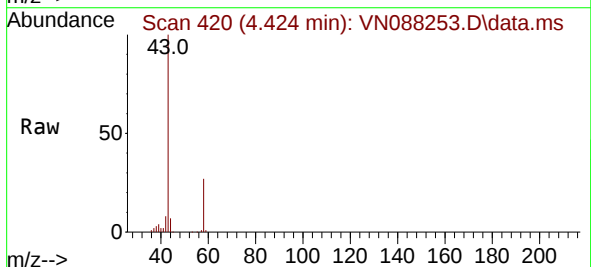
Instrument :
MSVOA_N
ClientSampleId :
RBR200059

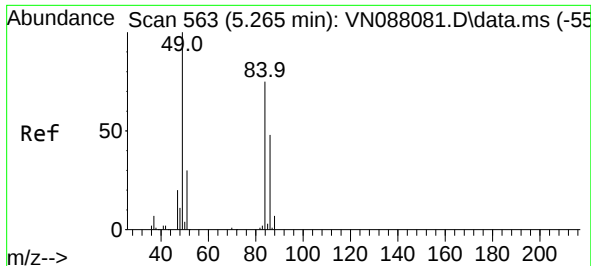
Tgt Ion:168 Resp: 244745
Ion Ratio Lower Upper
168 100
99 70.0 57.2 85.8



#16
Acetone
Concen: 74.273 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN088253.D
Acq: 11 Nov 2025 13:44

Tgt Ion: 43 Resp: 157918
Ion Ratio Lower Upper
43 100
58 26.6 22.6 33.8

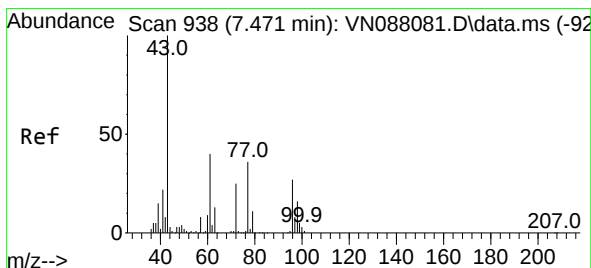
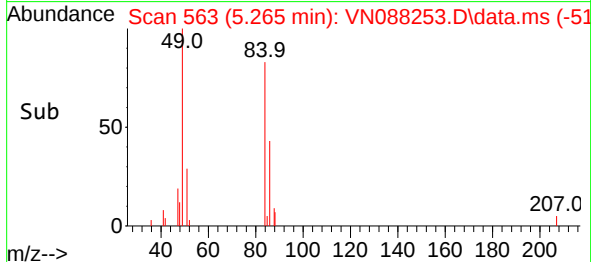
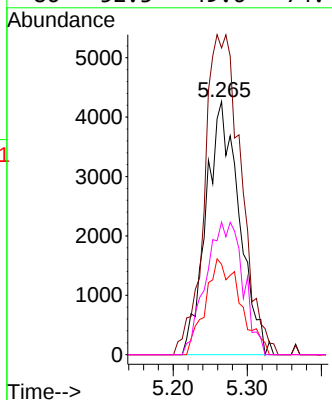
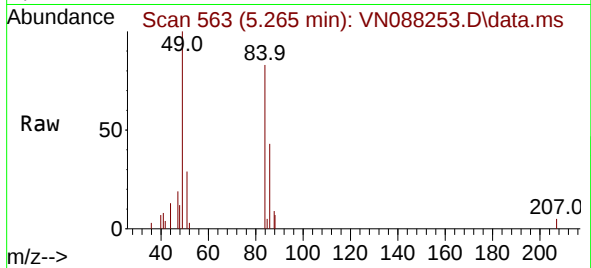




#20
Methylene Chloride
Concen: 3.709 ug/l
RT: 5.265 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN088253.D
Acq: 11 Nov 2025 13:44

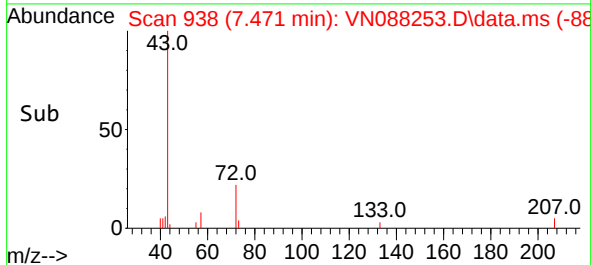
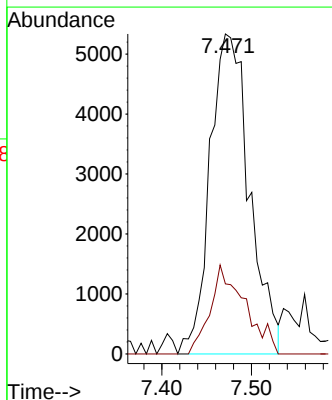
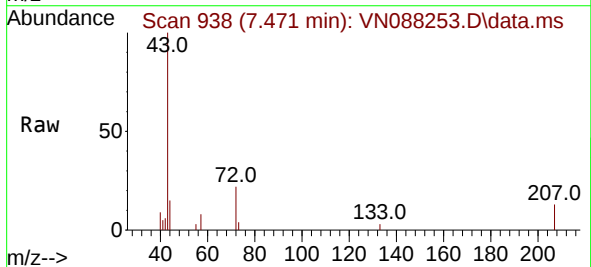
Instrument :
MSVOA_N
ClientSampleId :
RBR200059

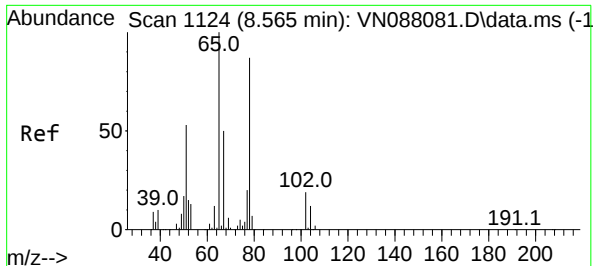
Tgt Ion:	84	Resp:	13238
Ion	Ratio	Lower	Upper
84	100		
49	121.2	103.4	155.2
51	35.7	33.8	50.8
86	52.3	49.6	74.4



#25
2-Butanone
Concen: 5.818 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088253.D
Acq: 11 Nov 2025 13:44

Tgt Ion:	43	Resp:	16301
Ion	Ratio	Lower	Upper
43	100		
72	21.9	19.9	29.9





#33

1,2-Dichloroethane-d4

Concen: 64.040 ug/l

RT: 8.559 min Scan# 1124

Delta R.T. -0.000 min

Lab File: VN088253.D

Acq: 11 Nov 2025 13:44

Instrument :

MSVOA_N

ClientSampleId :

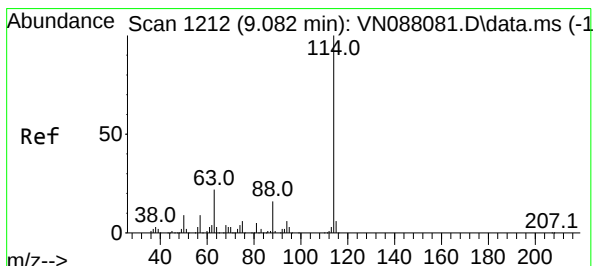
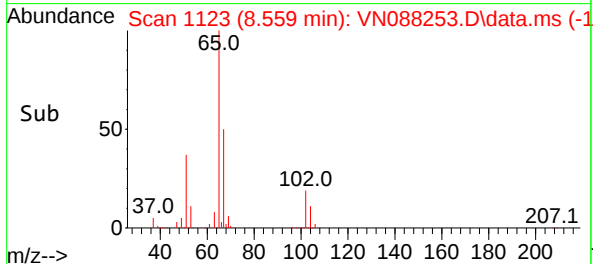
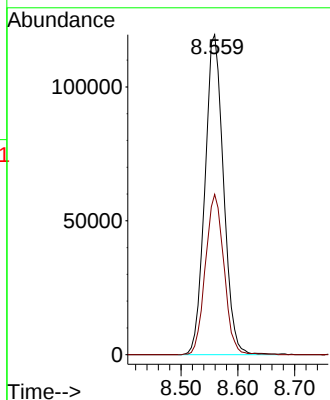
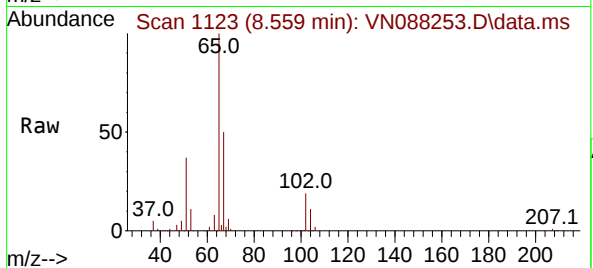
RBR200059

Tgt Ion: 65 Resp: 271026

Ion Ratio Lower Upper

65 100

67 50.1 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088253.D

Acq: 11 Nov 2025 13:44

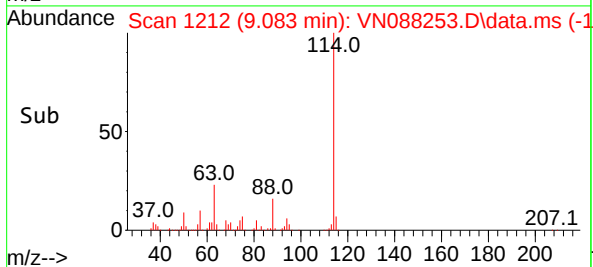
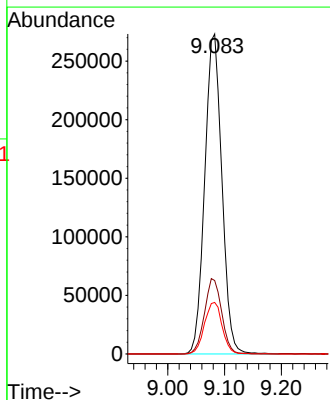
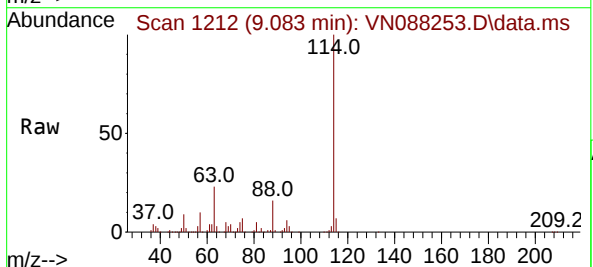
Tgt Ion: 114 Resp: 570899

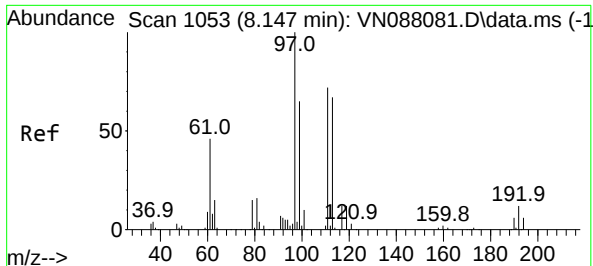
Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.2

88 16.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.445 ug/l

RT: 8.147 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VN088253.D

Acq: 11 Nov 2025 13:44

Instrument :

MSVOA_N

ClientSampleId :

RBR200059

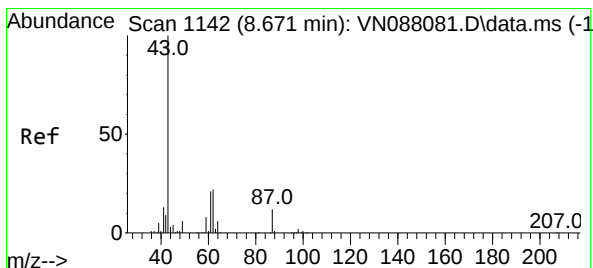
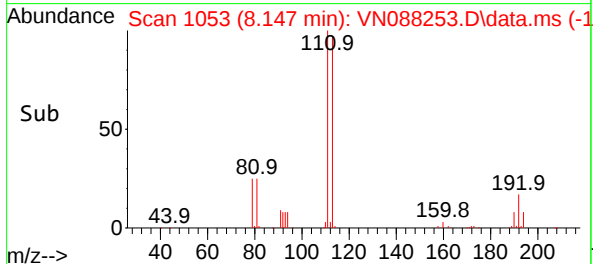
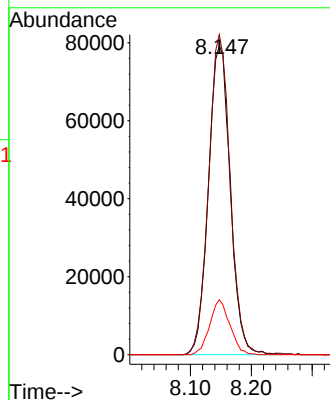
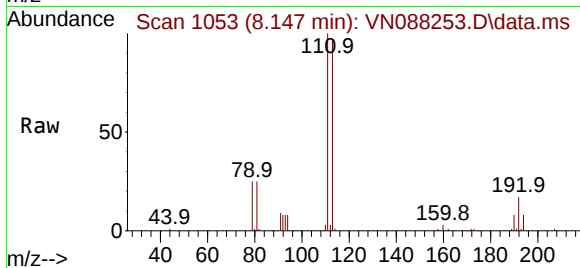
Tgt Ion:113 Resp: 197307

Ion Ratio Lower Upper

113 100

111 102.0 82.8 124.2

192 16.4 12.8 19.2



#43

Isopropyl Acetate

Concen: 2.547 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN088253.D

Acq: 11 Nov 2025 13:44

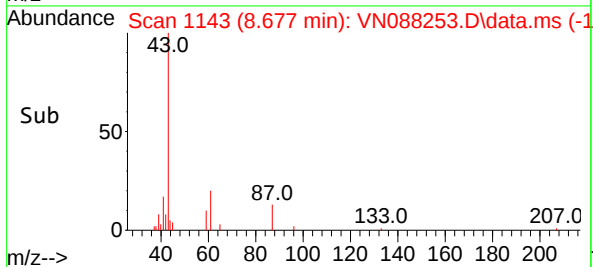
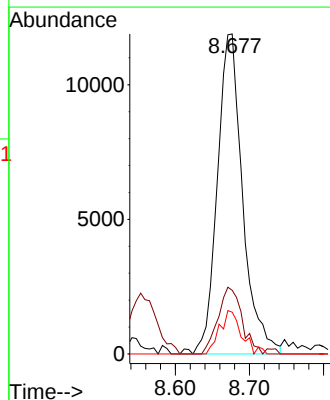
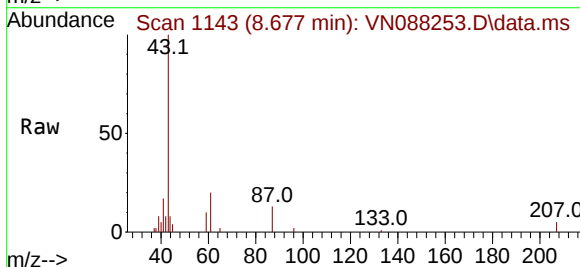
Tgt Ion: 43 Resp: 28282

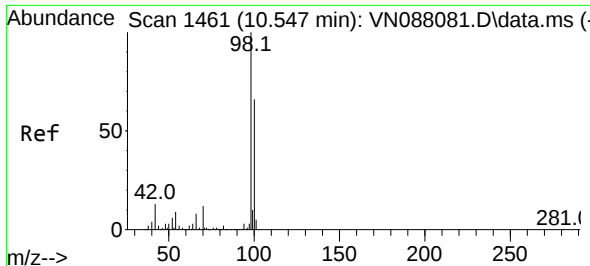
Ion Ratio Lower Upper

43 100

61 19.6 18.8 28.2

87 11.6 9.6 14.4

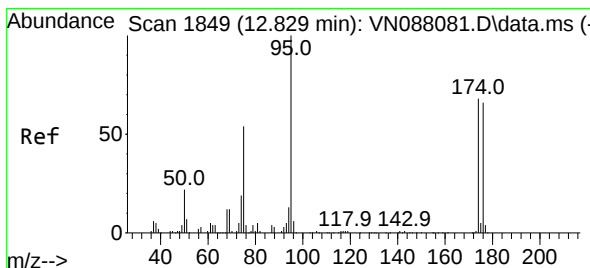
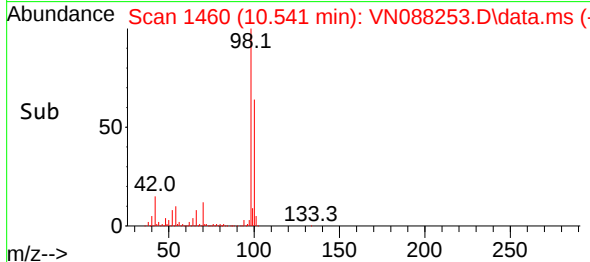
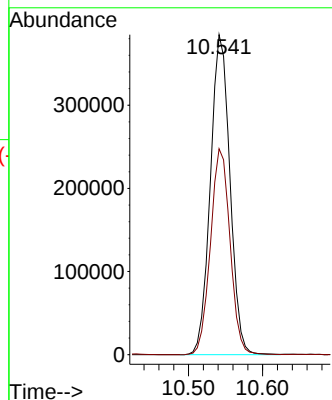
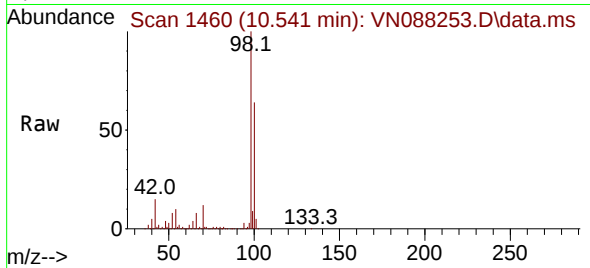




#50
Toluene-d8
Concen: 47.694 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088253.D
Acq: 11 Nov 2025 13:44

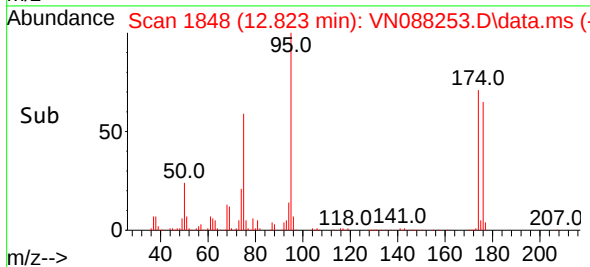
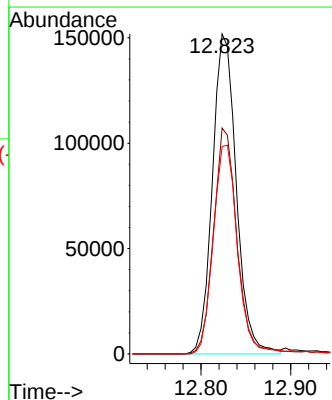
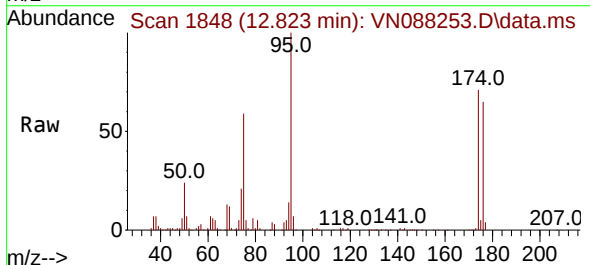
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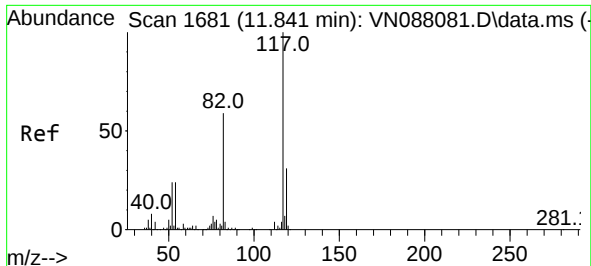
Tgt Ion: 98 Resp: 704831
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 53.808 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN088253.D
Acq: 11 Nov 2025 13:44

Tgt Ion: 95 Resp: 280830
Ion Ratio Lower Upper
95 100
174 69.2 0.0 138.4
176 67.6 0.0 132.6

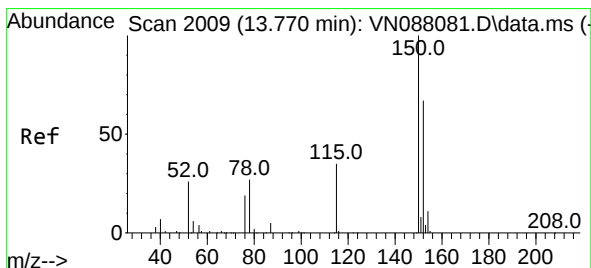
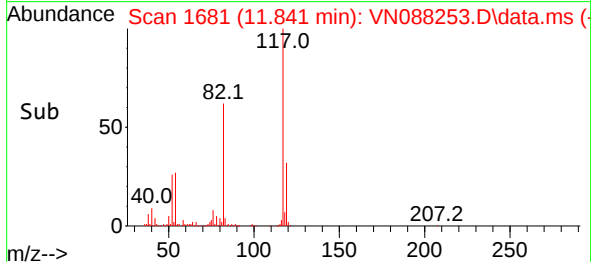
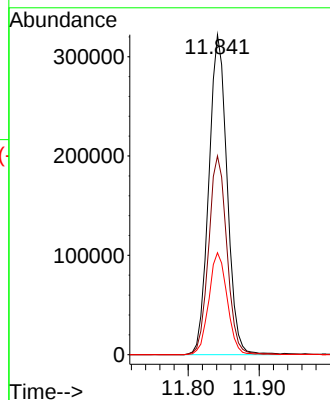
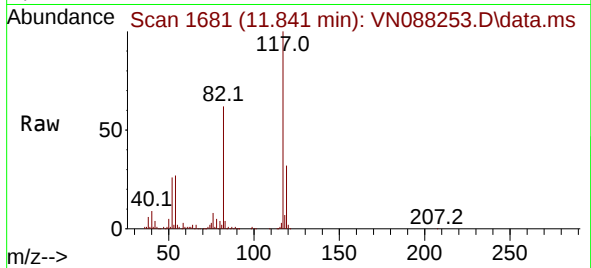




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088253.D
Acq: 11 Nov 2025 13:44

Instrument :
MSVOA_N
ClientSampleId :
RBR200059

Tgt Ion:117 Resp: 575978
Ion Ratio Lower Upper
117 100
82 62.1 47.4 71.2
119 31.8 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088253.D
Acq: 11 Nov 2025 13:44

Tgt Ion:152 Resp: 278752
Ion Ratio Lower Upper
152 100
115 65.3 32.3 96.8
150 160.9 0.0 351.0

