

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
 Data File : VN088262.D
 Acq On : 11 Nov 2025 16:49
 Operator : JC\MD
 Sample : Q3581-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RBR200059

Quant Time: Nov 12 01:19:16 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)

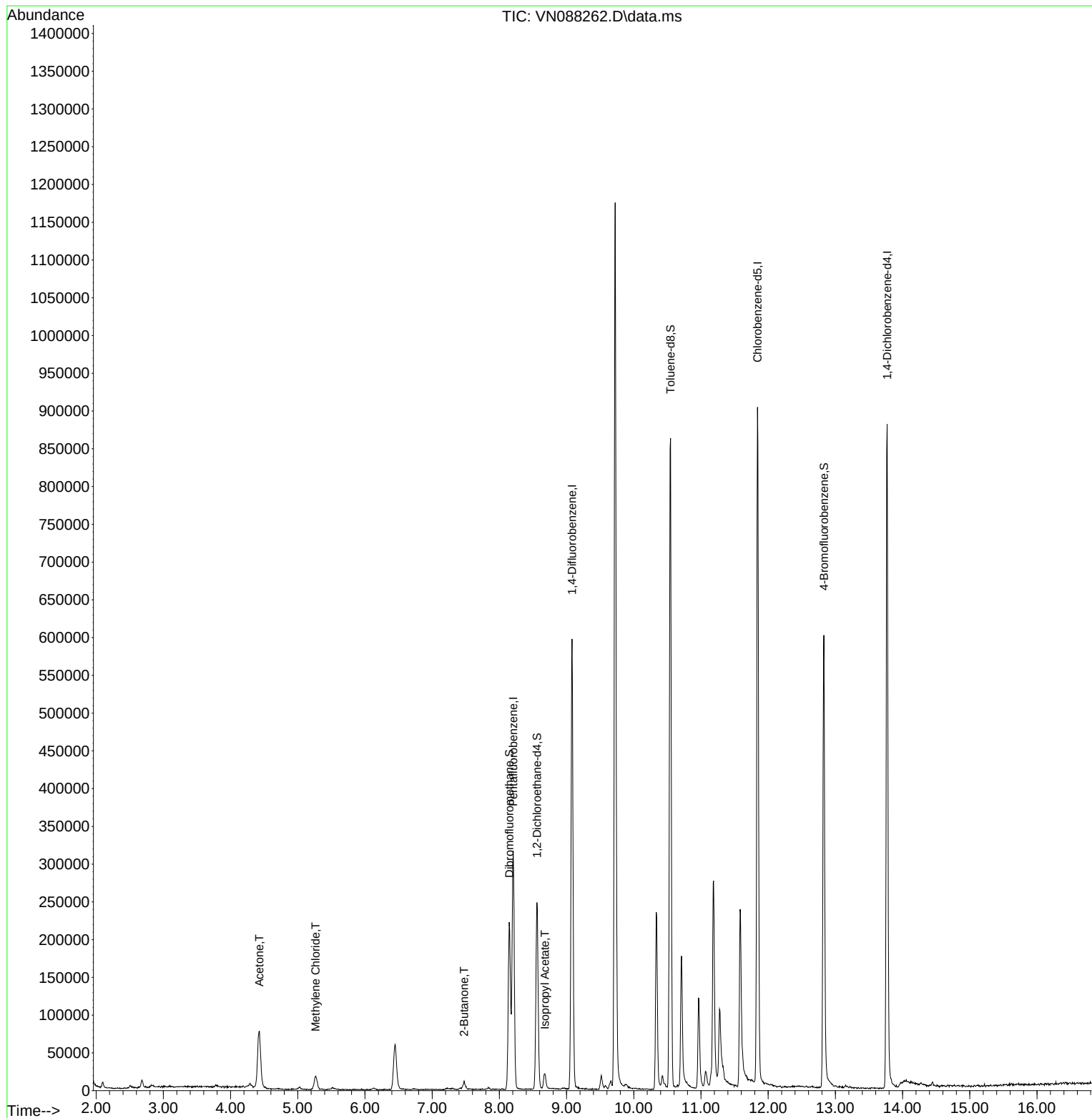
Internal Standards						
1) Pentafluorobenzene	8.206	168	208113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	482453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	482500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	229435	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	210456	58.481	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.960%
35) Dibromofluoromethane	8.147	113	156721	48.354	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.700%
50) Toluene-d8	10.547	98	570314	45.666	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.340%
62) 4-Bromofluorobenzene	12.829	95	222722	50.498	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.000%
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	158246	87.528	ug/l	99
20) Methylene Chloride	5.265	84	13757	4.533	ug/l #	93
25) 2-Butanone	7.477	43	15832	6.645	ug/l	97
43) Isopropyl Acetate	8.677	43	26167	2.788	ug/l	93

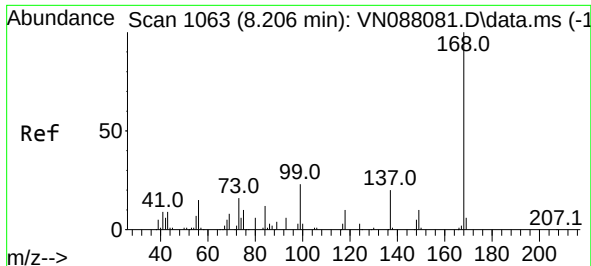
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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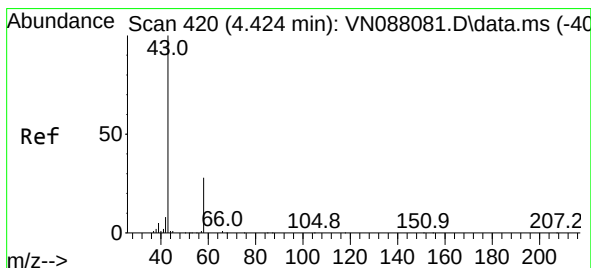
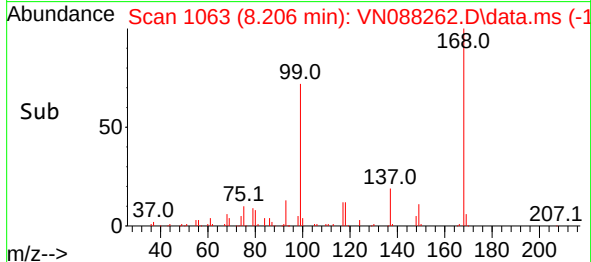
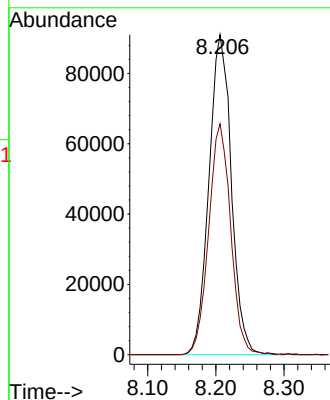
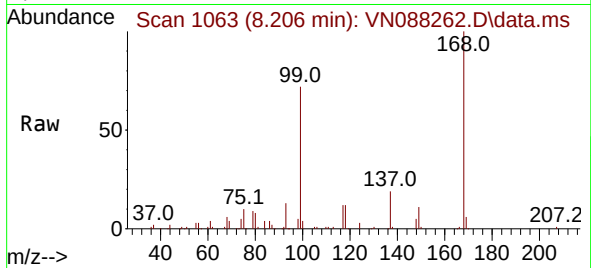




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088262.D
Acq: 11 Nov 2025 16:49

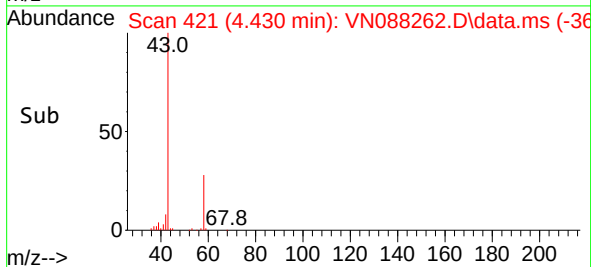
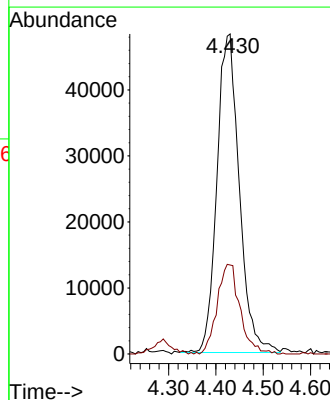
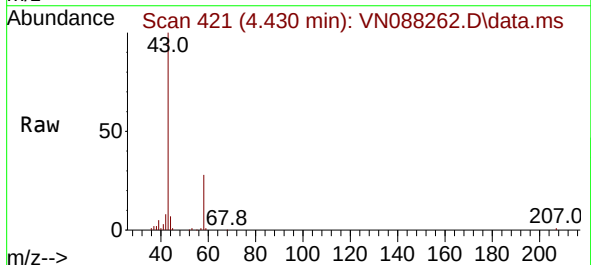
Instrument :
MSVOA_N
ClientSampleId :
RBR200059

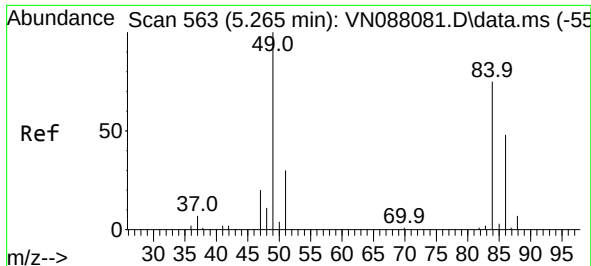
Tgt Ion:168 Resp: 208113
Ion Ratio Lower Upper
168 100
99 72.1 57.2 85.8



#16
Acetone
Concen: 87.528 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088262.D
Acq: 11 Nov 2025 16:49

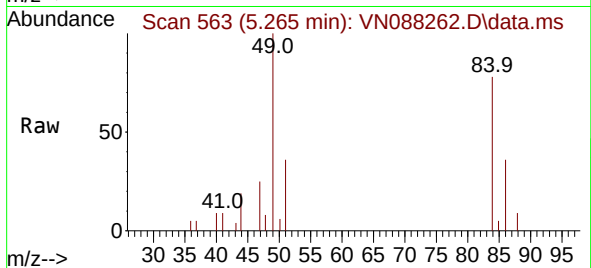
Tgt Ion: 43 Resp: 158246
Ion Ratio Lower Upper
43 100
58 27.9 22.6 33.8



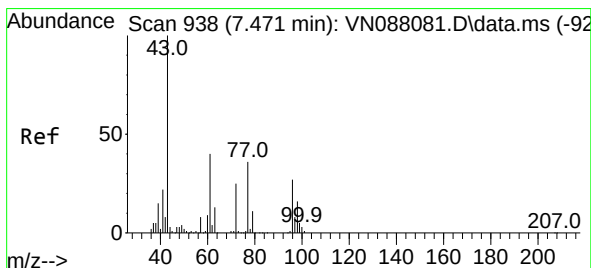
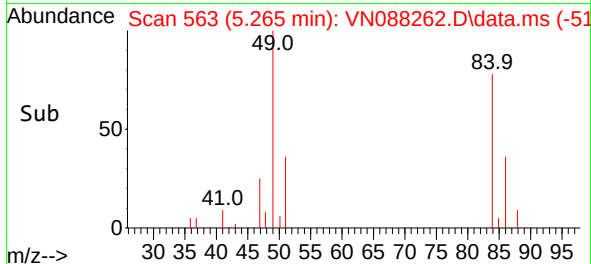
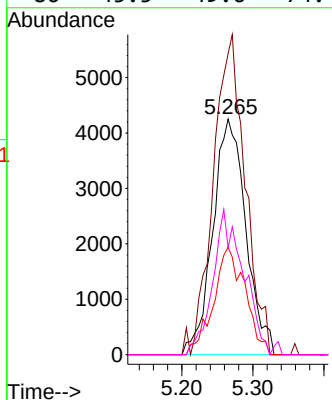


#20
Methylene Chloride
Concen: 4.533 ug/l
RT: 5.265 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN088262.D
Acq: 11 Nov 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
RBR200059

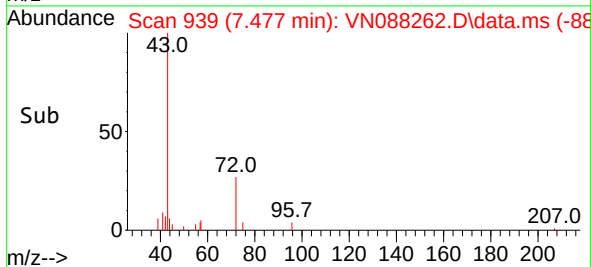
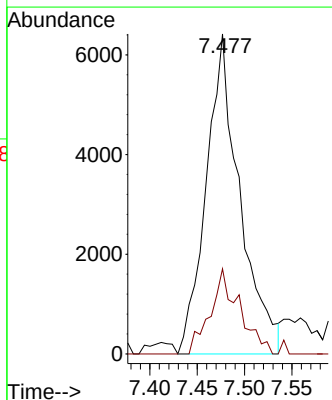
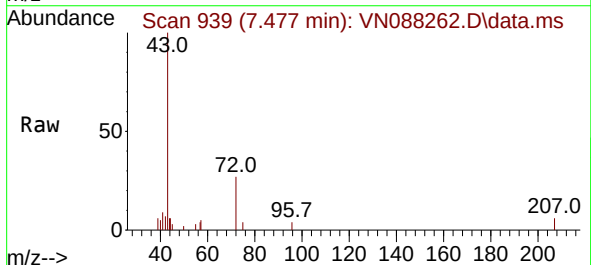


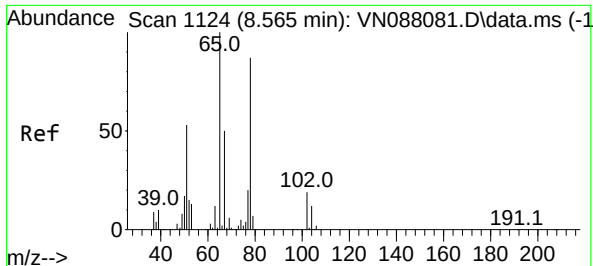
Tgt Ion:	84	Resp:	13757
Ion	Ratio	Lower	Upper
84	100		
49	127.8	103.4	155.2
51	45.6	33.8	50.8
86	45.5	49.6	74.4



#25
2-Butanone
Concen: 6.645 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN088262.D
Acq: 11 Nov 2025 16:49

Tgt Ion:	43	Resp:	15832
Ion	Ratio	Lower	Upper
43	100		
72	26.6	19.9	29.9





#33

1,2-Dichloroethane-d4

Concen: 58.481 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088262.D

Acq: 11 Nov 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

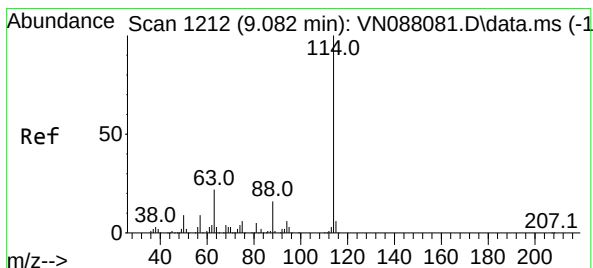
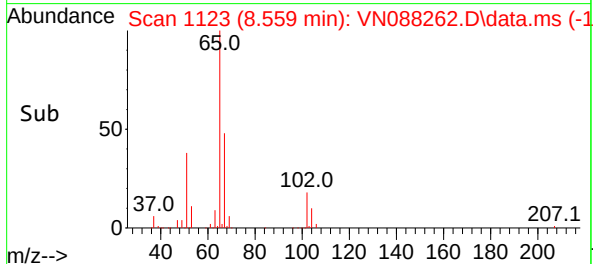
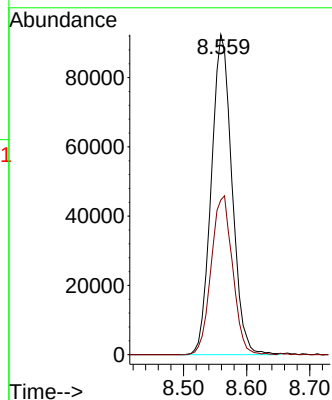
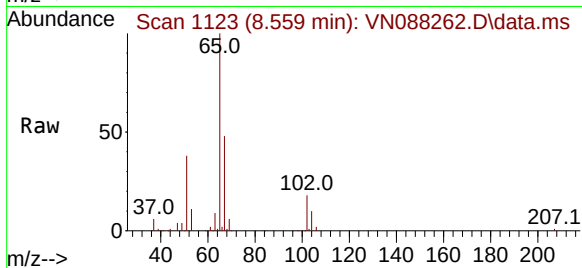
RBR200059

Tgt Ion: 65 Resp: 210456

Ion Ratio Lower Upper

65 100

67 51.3 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088262.D

Acq: 11 Nov 2025 16:49

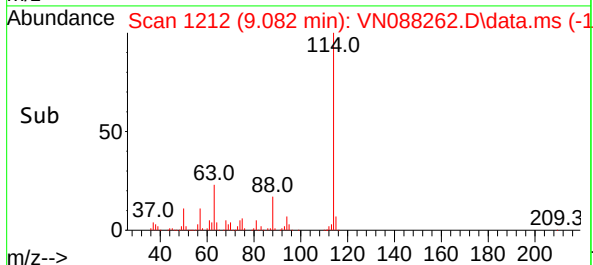
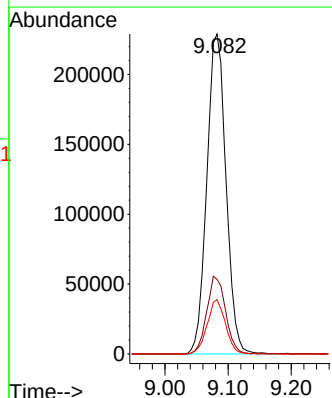
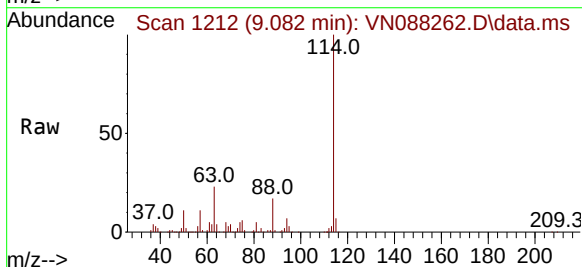
Tgt Ion: 114 Resp: 482453

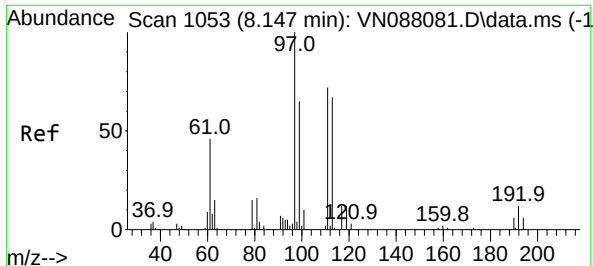
Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.2

88 17.0 0.0 33.4

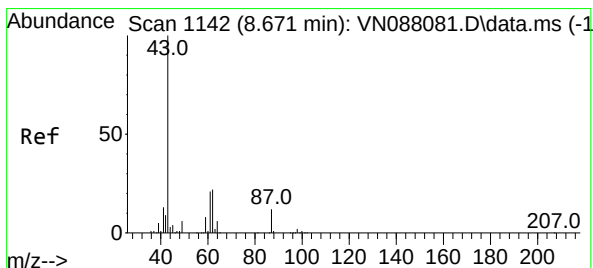
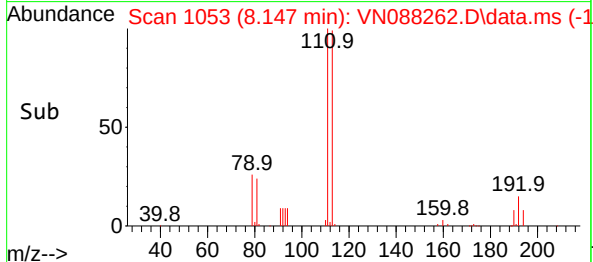
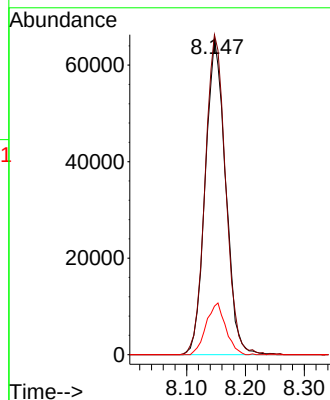
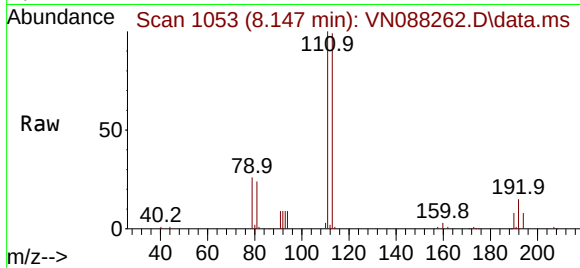




#35
Dibromofluoromethane
Concen: 48.354 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088262.D
Acq: 11 Nov 2025 16:49

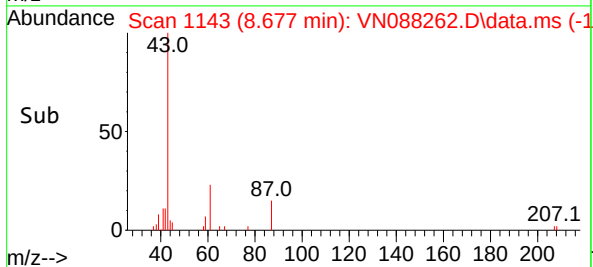
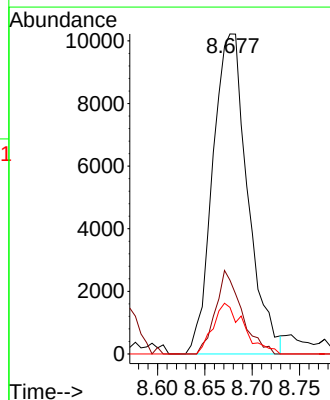
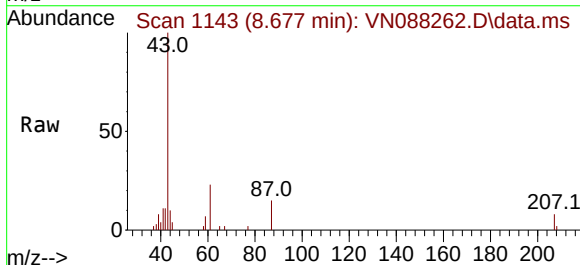
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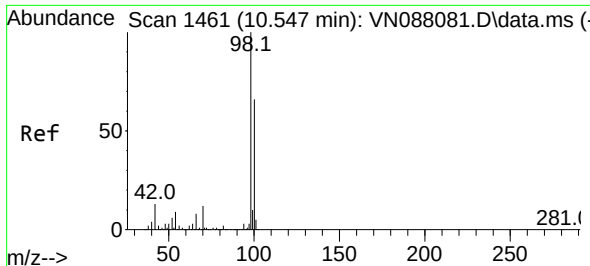
Tgt Ion:113 Resp: 156721
Ion Ratio Lower Upper
113 100
111 102.3 82.8 124.2
192 15.8 12.8 19.2



#43
Isopropyl Acetate
Concen: 2.788 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN088262.D
Acq: 11 Nov 2025 16:49

Tgt Ion: 43 Resp: 26167
Ion Ratio Lower Upper
43 100
61 19.6 18.8 28.2
87 14.0 9.6 14.4

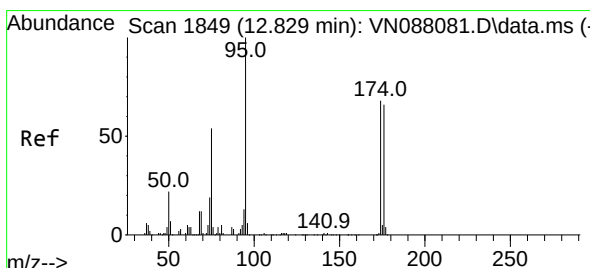
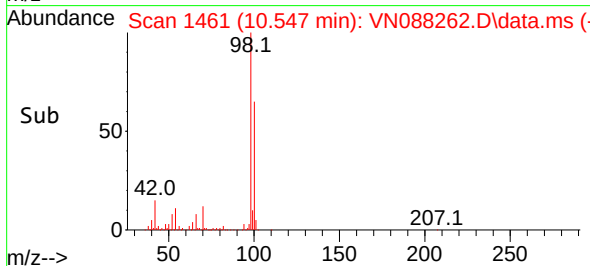
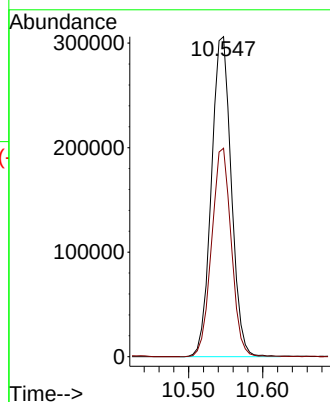
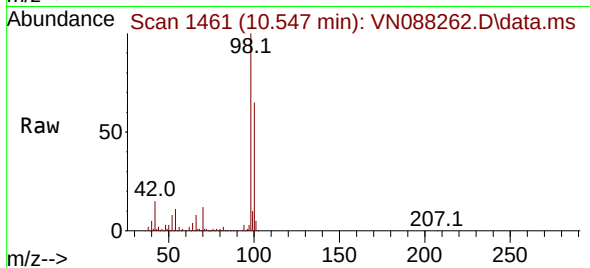




#50
Toluene-d8
Concen: 45.666 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088262.D
Acq: 11 Nov 2025 16:49

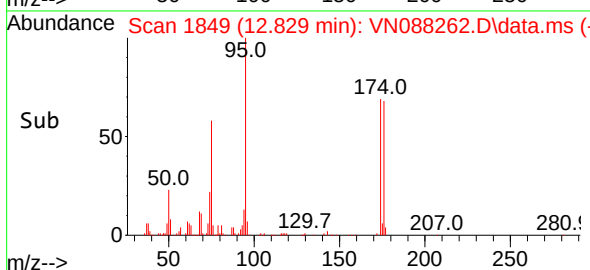
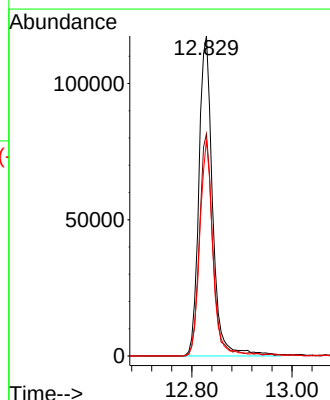
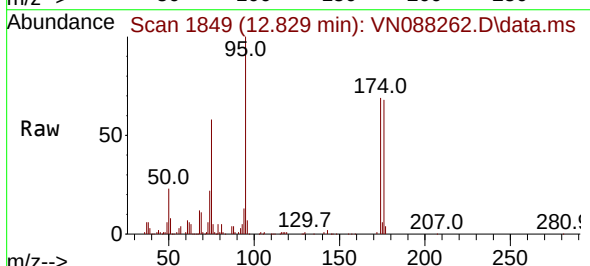
Instrument :
MSVOA_N
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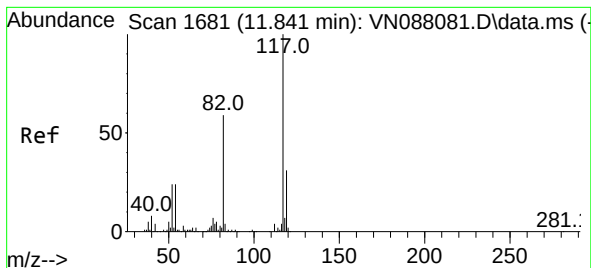
Tgt Ion: 98 Resp: 570314
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 50.498 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088262.D
Acq: 11 Nov 2025 16:49

Tgt Ion: 95 Resp: 222722
Ion Ratio Lower Upper
95 100
174 66.8 0.0 138.4
176 64.2 0.0 132.6

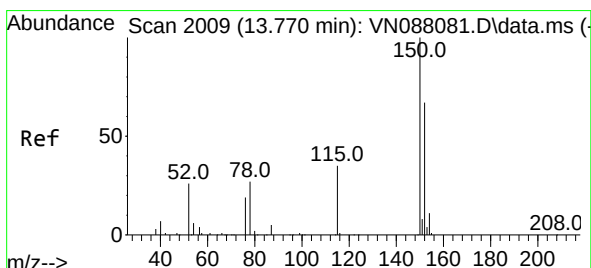
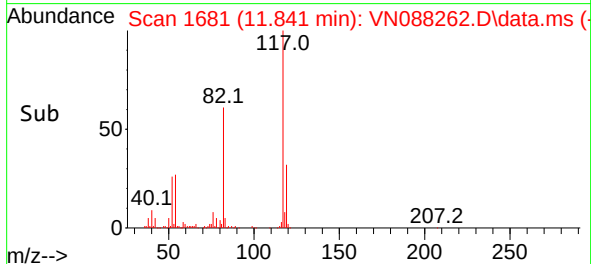
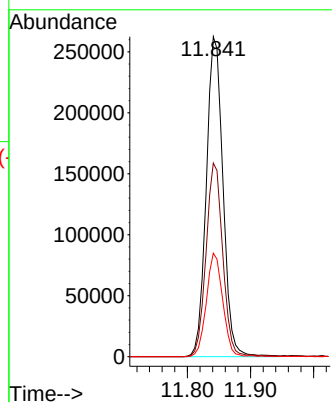
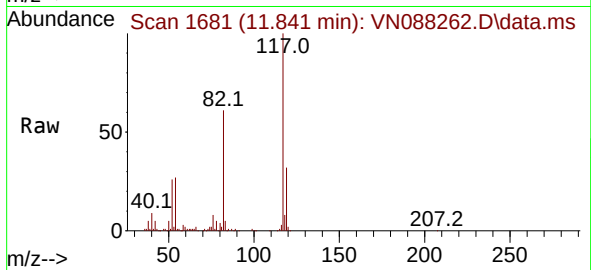




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088262.D
Acq: 11 Nov 2025 16:49

Instrument :
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ClientSampleId :
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Tgt Ion:117 Resp: 482500
Ion Ratio Lower Upper
117 100
82 60.5 47.4 71.2
119 32.4 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: VN088262.D
Acq: 11 Nov 2025 16:49

Tgt Ion:152 Resp: 229435
Ion Ratio Lower Upper
152 100
115 66.4 32.3 96.8
150 157.3 0.0 351.0

