

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110725\
 Data File : VN088230.D
 Acq On : 07 Nov 2025 13:51
 Operator : JC\MD
 Sample : Q3518-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 50831

Quant Time: Nov 07 14:09:11 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)

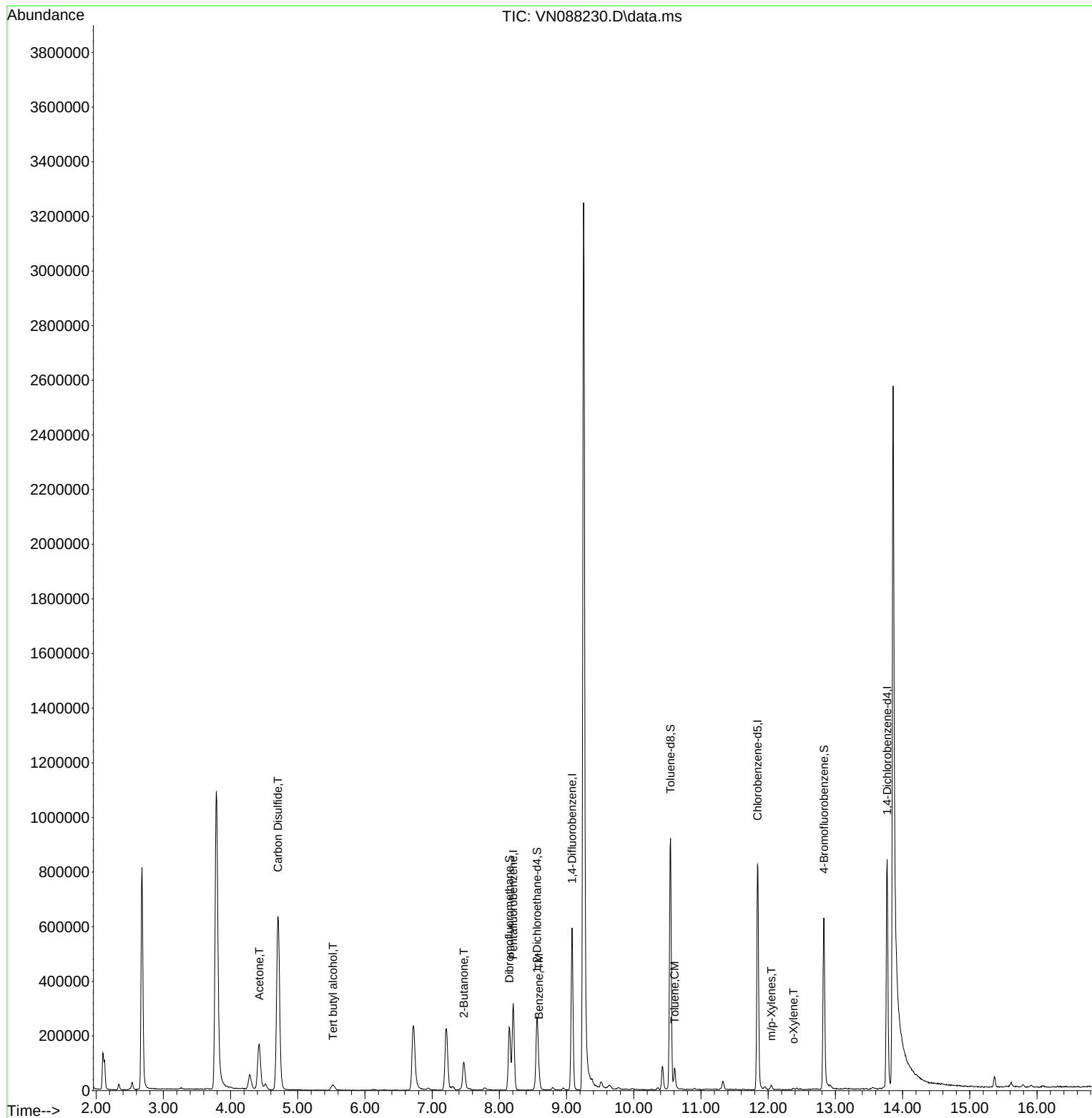
Internal Standards						
1) Pentafluorobenzene	8.206	168	207531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	471255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	455256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	219830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	219347	61.123	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.240%			
35) Dibromofluoromethane	8.147	113	166911	52.721	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.440%			
50) Toluene-d8	10.547	98	604980	49.593	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.180%			
62) 4-Bromofluorobenzene	12.829	95	235070	54.564	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.120%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	38138	61.687	ug/l	98
16) Acetone	4.430	43	342541	189.996	ug/l	96
17) Carbon Disulfide	4.706	76	1430787	180.445	ug/l	97
25) 2-Butanone	7.471	43	177403	74.667	ug/l	100
40) Benzene	8.588	78	44436	3.156	ug/l #	88
52) Toluene	10.606	92	31870	3.672	ug/l	88
68) m/p-Xylenes	12.047	106	4485	0.660	ug/l	93
69) o-Xylene	12.376	106	1626	0.252	ug/l	94

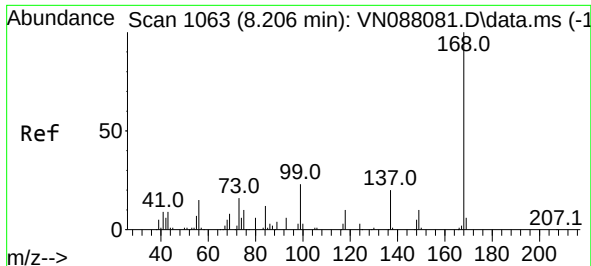
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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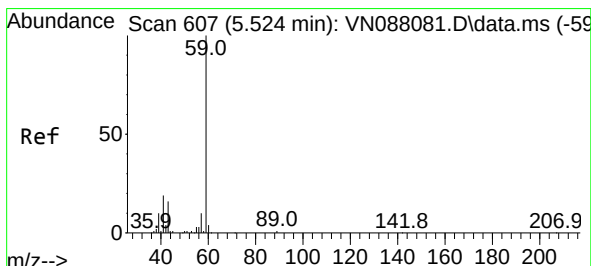
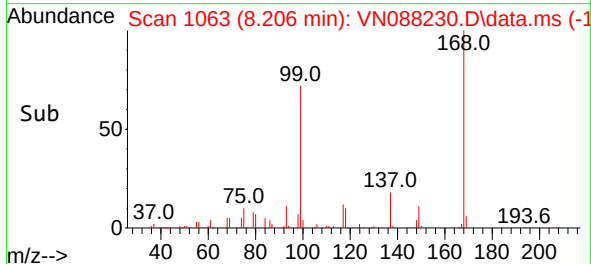
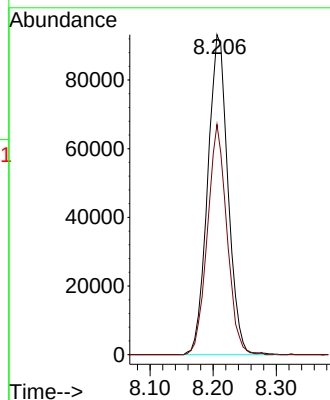
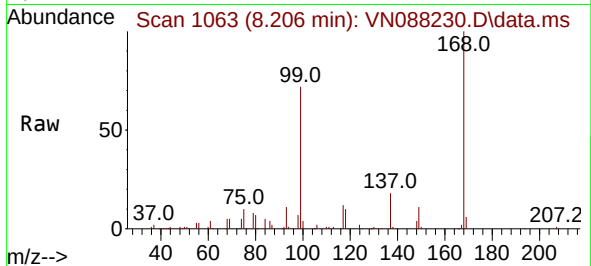




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088230.D
Acq: 07 Nov 2025 13:51

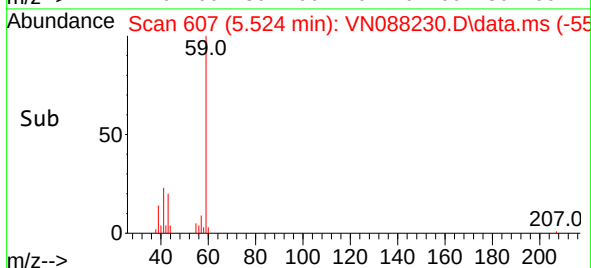
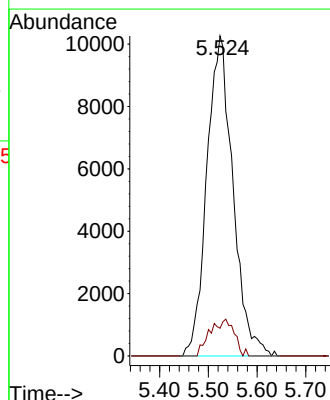
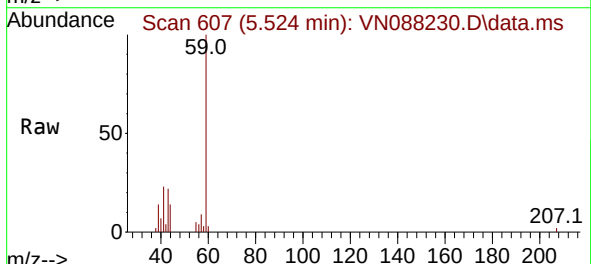
Instrument :
MSVOA_N
ClientSampleId :
50831

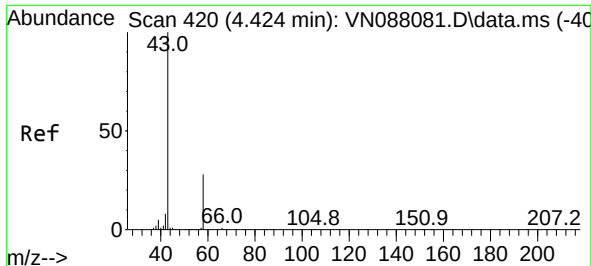
Tgt Ion:168 Resp: 207531
Ion Ratio Lower Upper
168 100
99 71.9 57.2 85.8



#11
Tert butyl alcohol
Concen: 61.687 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN088230.D
Acq: 07 Nov 2025 13:51

Tgt Ion: 59 Resp: 38138
Ion Ratio Lower Upper
59 100
57 10.5 9.0 13.4

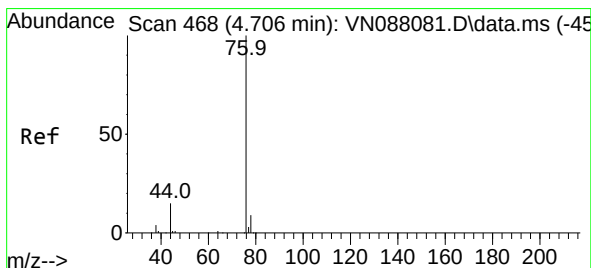
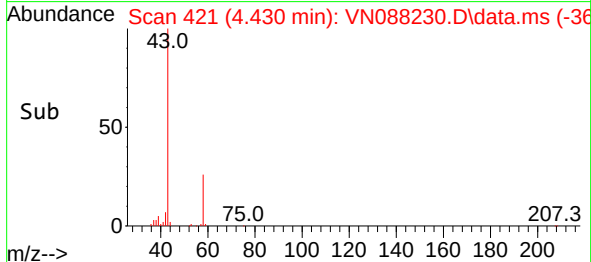
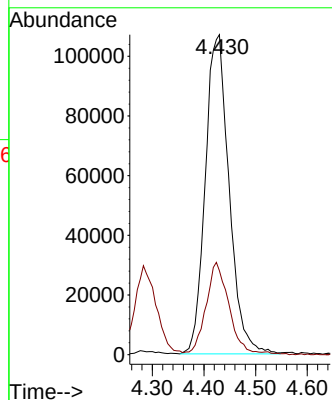
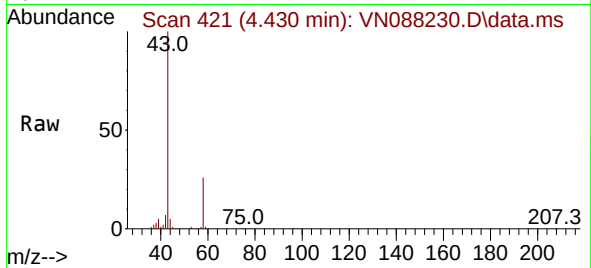




#16
Acetone
Concen: 189.996 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN088230.D
Acq: 07 Nov 2025 13:51

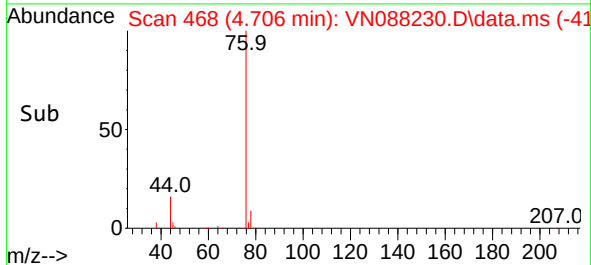
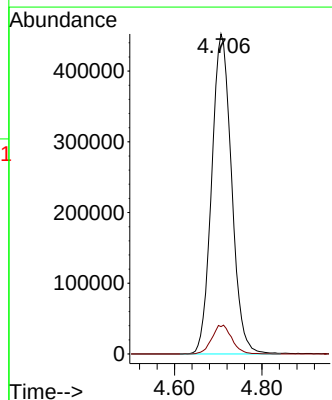
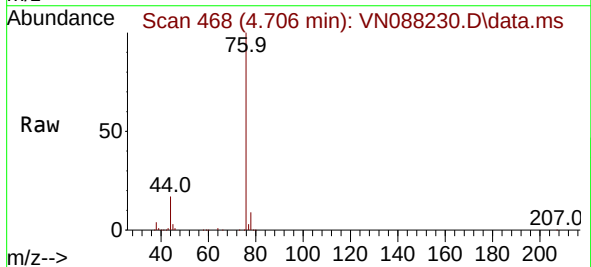
Instrument :
MSVOA_N
ClientSampleId :
50831

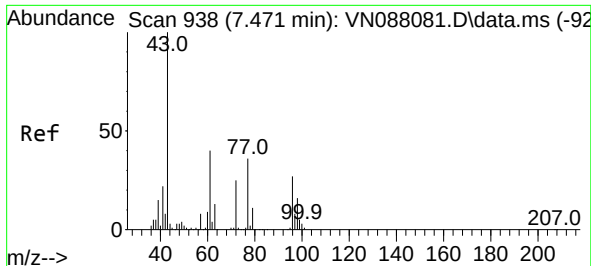
Tgt Ion: 43 Resp: 342541
Ion Ratio Lower Upper
43 100
58 26.0 22.6 33.8



#17
Carbon Disulfide
Concen: 180.445 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.006 min
Lab File: VN088230.D
Acq: 07 Nov 2025 13:51

Tgt Ion: 76 Resp: 1430787
Ion Ratio Lower Upper
76 100
78 8.5 7.6 11.4

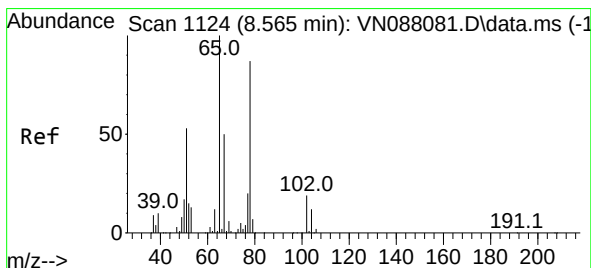
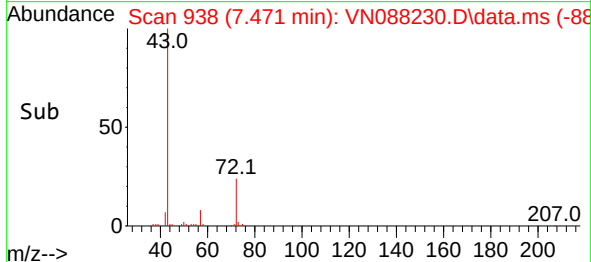
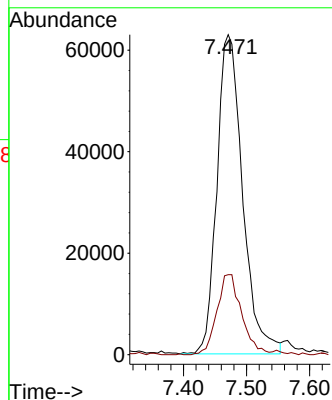
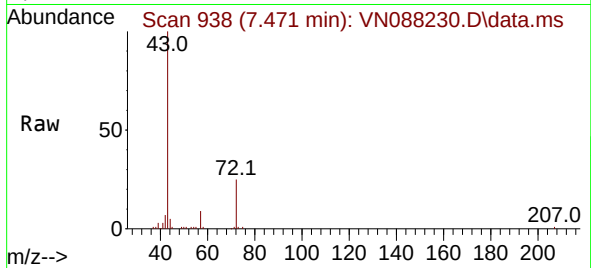




#25
2-Butanone
Concen: 74.667 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088230.D
Acq: 07 Nov 2025 13:51

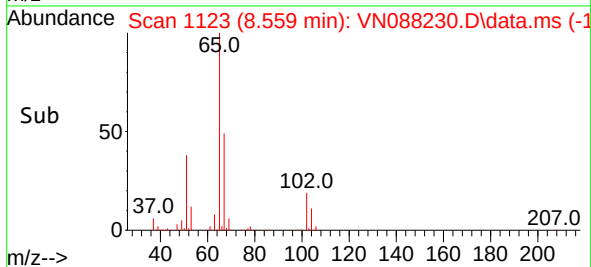
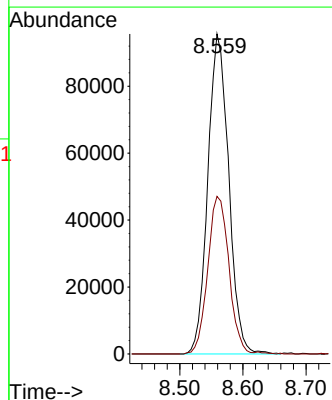
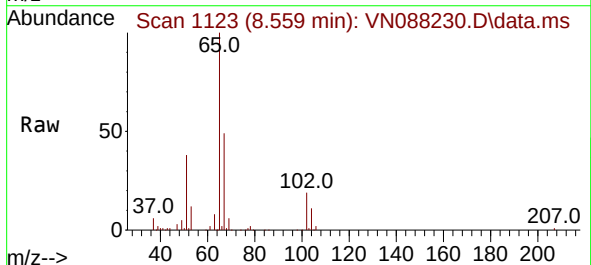
Instrument :
MSVOA_N
ClientSampleId :
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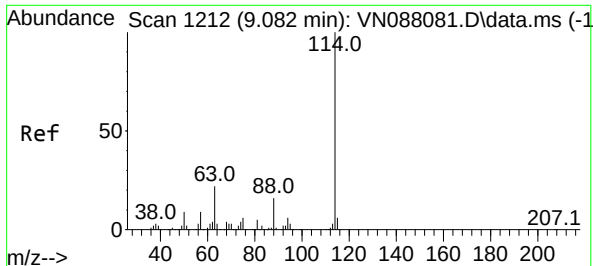
Tgt Ion: 43 Resp: 177403
Ion Ratio Lower Upper
43 100
72 24.8 19.9 29.9



#33
1,2-Dichloroethane-d4
Concen: 61.123 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088230.D
Acq: 07 Nov 2025 13:51

Tgt Ion: 65 Resp: 219347
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088230.D

Acq: 07 Nov 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

50831

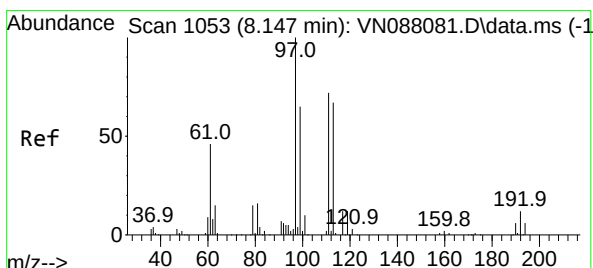
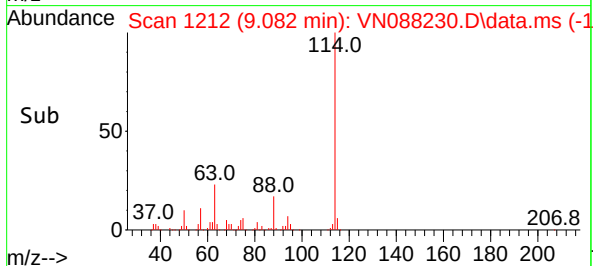
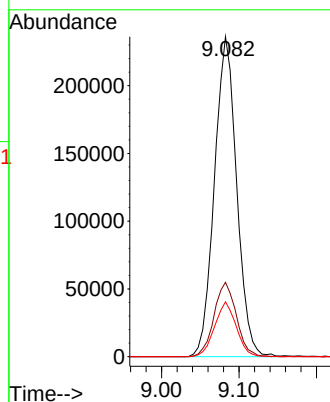
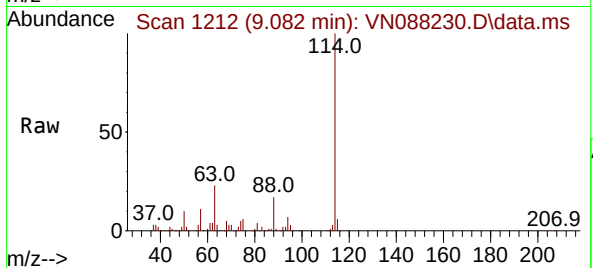
Tgt Ion:114 Resp: 471255

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.2

88 17.2 0.0 33.4



#35

Dibromofluoromethane

Concen: 52.721 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088230.D

Acq: 07 Nov 2025 13:51

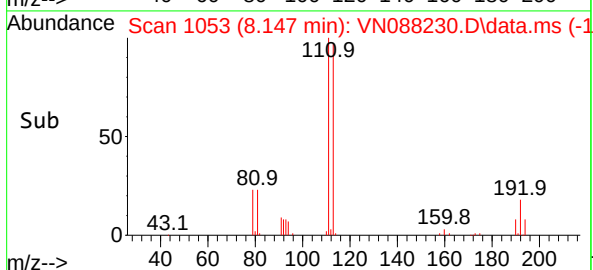
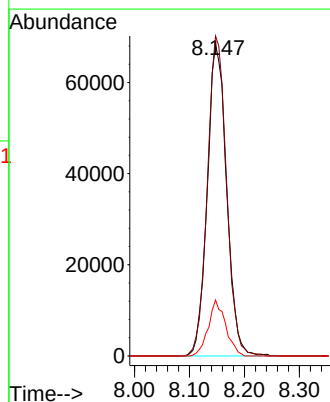
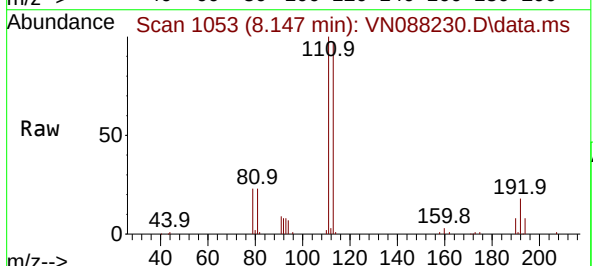
Tgt Ion:113 Resp: 166911

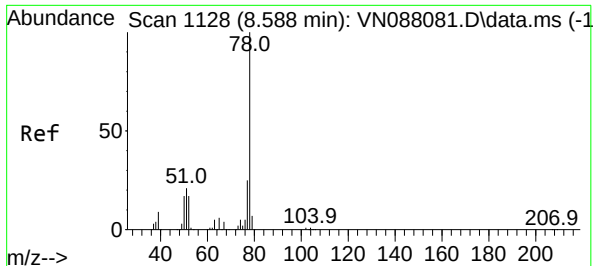
Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

192 16.2 12.8 19.2

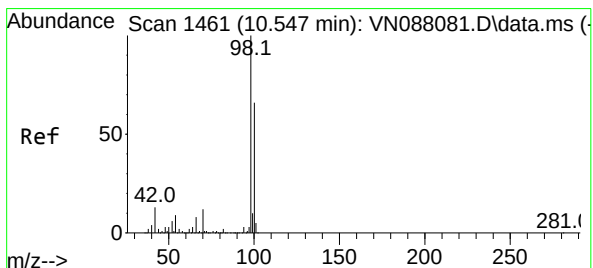
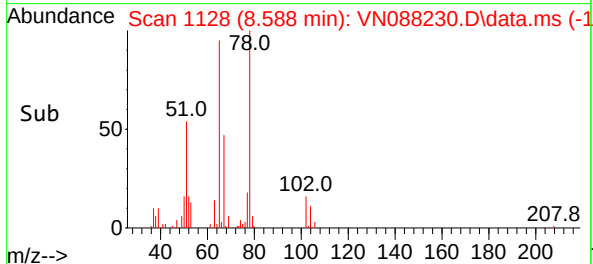
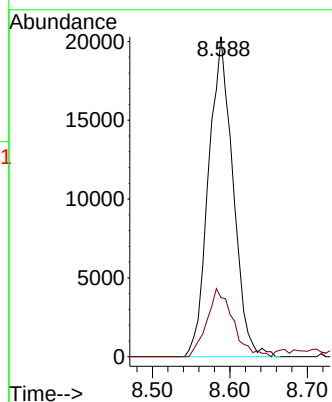
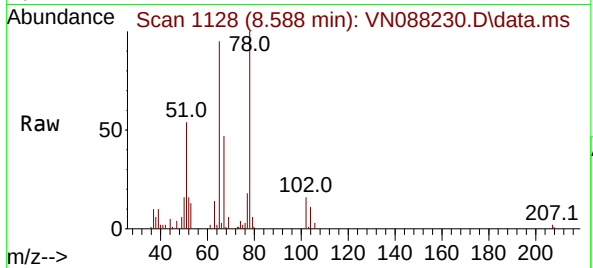




#40
Benzene
Concen: 3.156 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088230.D
Acq: 07 Nov 2025 13:51

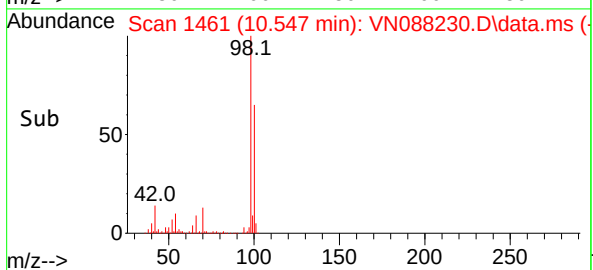
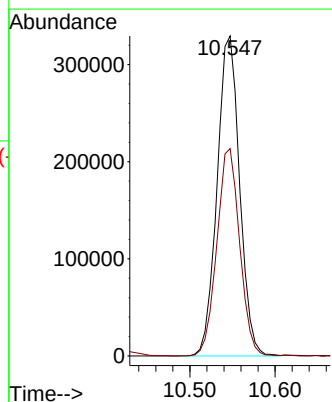
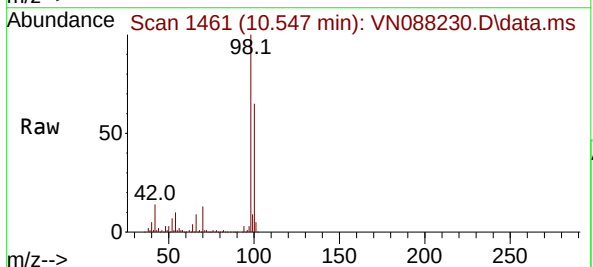
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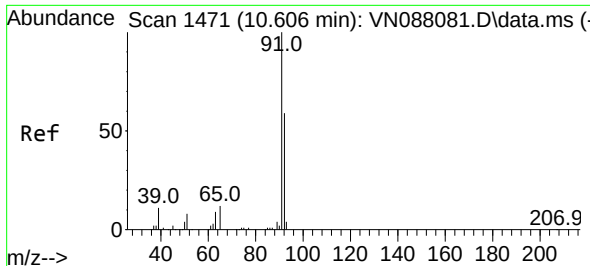
Tgt Ion: 78 Resp: 44436
Ion Ratio Lower Upper
78 100
77 18.5 19.7 29.5#



#50
Toluene-d8
Concen: 49.593 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088230.D
Acq: 07 Nov 2025 13:51

Tgt Ion: 98 Resp: 604980
Ion Ratio Lower Upper
98 100
100 65.6 52.8 79.2

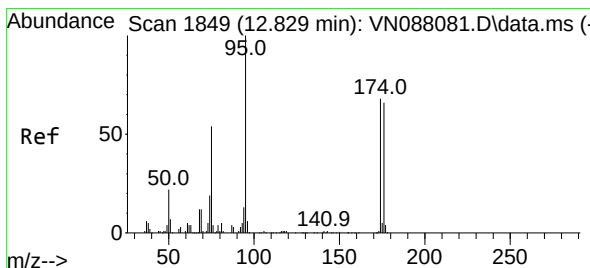
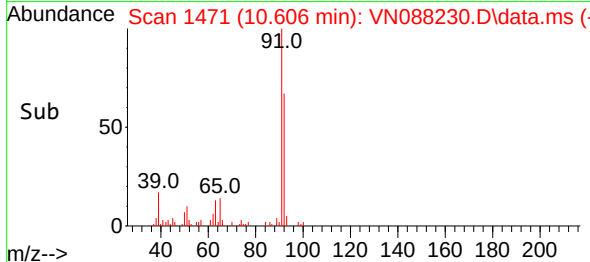
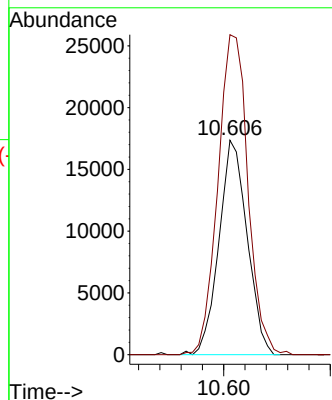
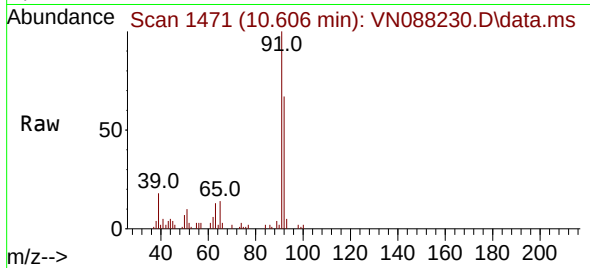




#52
Toluene
Concen: 3.672 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088230.D
Acq: 07 Nov 2025 13:51

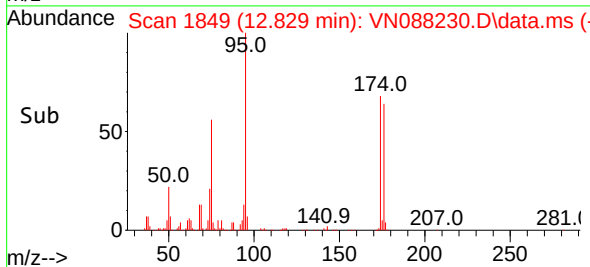
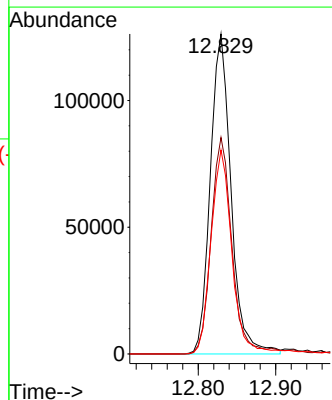
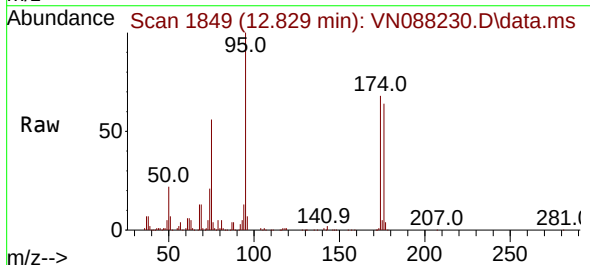
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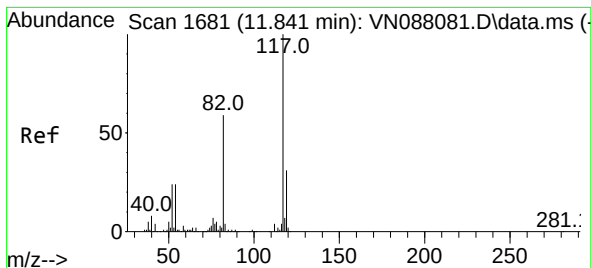
Tgt Ion: 92 Resp: 31870
Ion Ratio Lower Upper
92 100
91 158.9 140.4 210.6



#62
4-Bromofluorobenzene
Concen: 54.564 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088230.D
Acq: 07 Nov 2025 13:51

Tgt Ion: 95 Resp: 235070
Ion Ratio Lower Upper
95 100
174 68.0 0.0 138.4
176 65.3 0.0 132.6

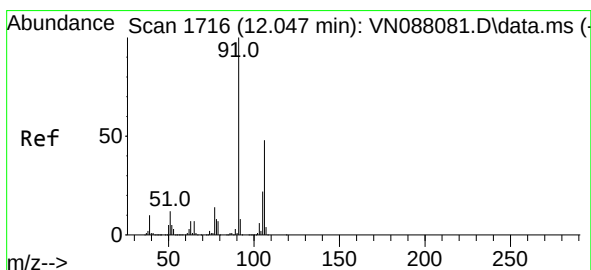
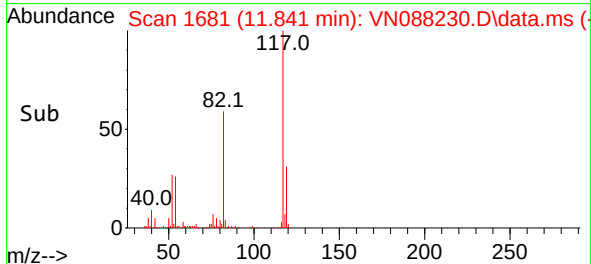
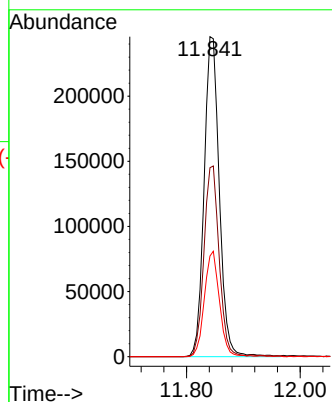
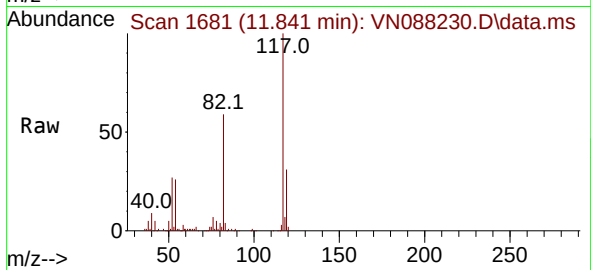




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN088230.D
Acq: 07 Nov 2025 13:51

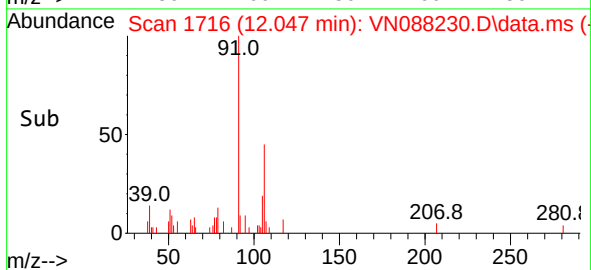
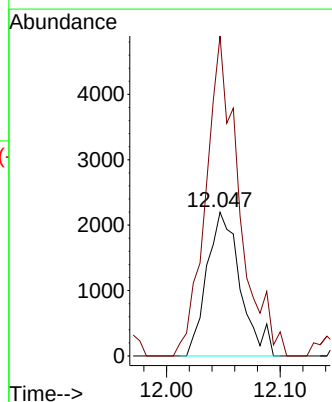
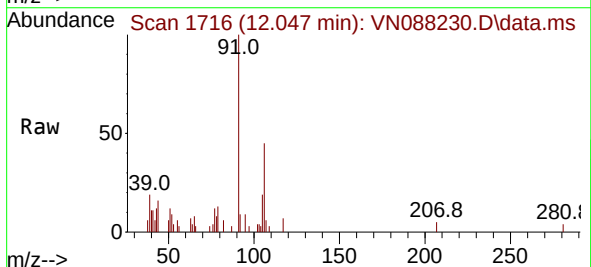
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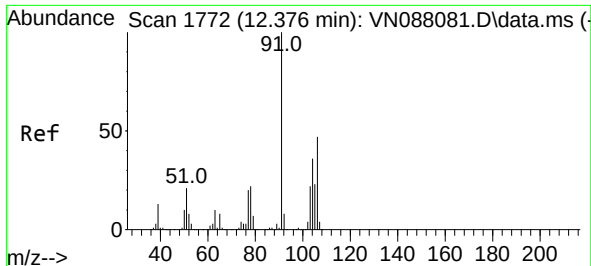
Tgt Ion:117 Resp: 455256
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 31.5 24.3 36.5



#68
m/p-Xylenes
Concen: 0.660 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088230.D
Acq: 07 Nov 2025 13:51

Tgt Ion:106 Resp: 4485
Ion Ratio Lower Upper
106 100
91 222.3 169.3 253.9

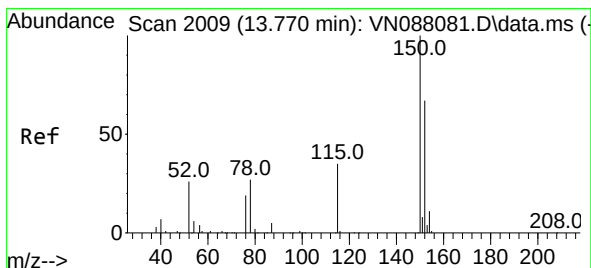
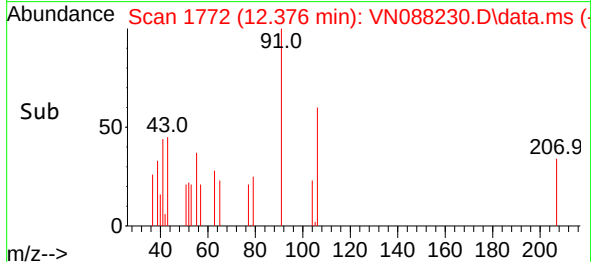
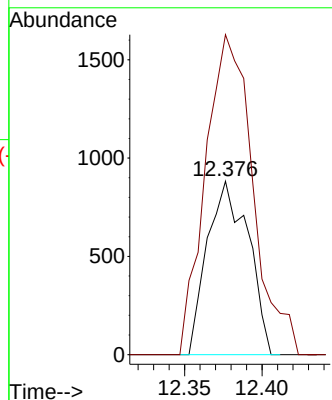
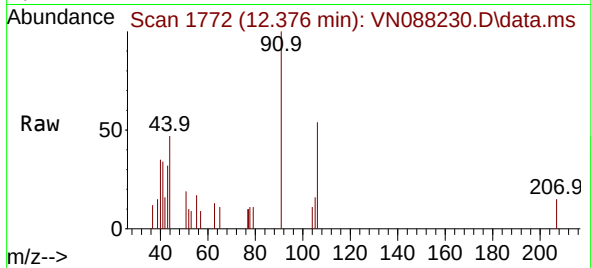




#69
o-Xylene
Concen: 0.252 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088230.D
Acq: 07 Nov 2025 13:51

Instrument :
MSVOA_N
ClientSampleId :
50831

Tgt Ion:106 Resp: 1626
Ion Ratio Lower Upper
106 100
91 212.9 111.4 334.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088230.D
Acq: 07 Nov 2025 13:51

Tgt Ion:152 Resp: 219830
Ion Ratio Lower Upper
152 100
115 65.5 32.3 96.8
150 160.9 0.0 351.0

