

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088449.D
 Acq On : 04 Dec 2025 16:28
 Operator : JC\MD
 Sample : Q3757-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-120325

Quant Time: Dec 05 00:17:51 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)

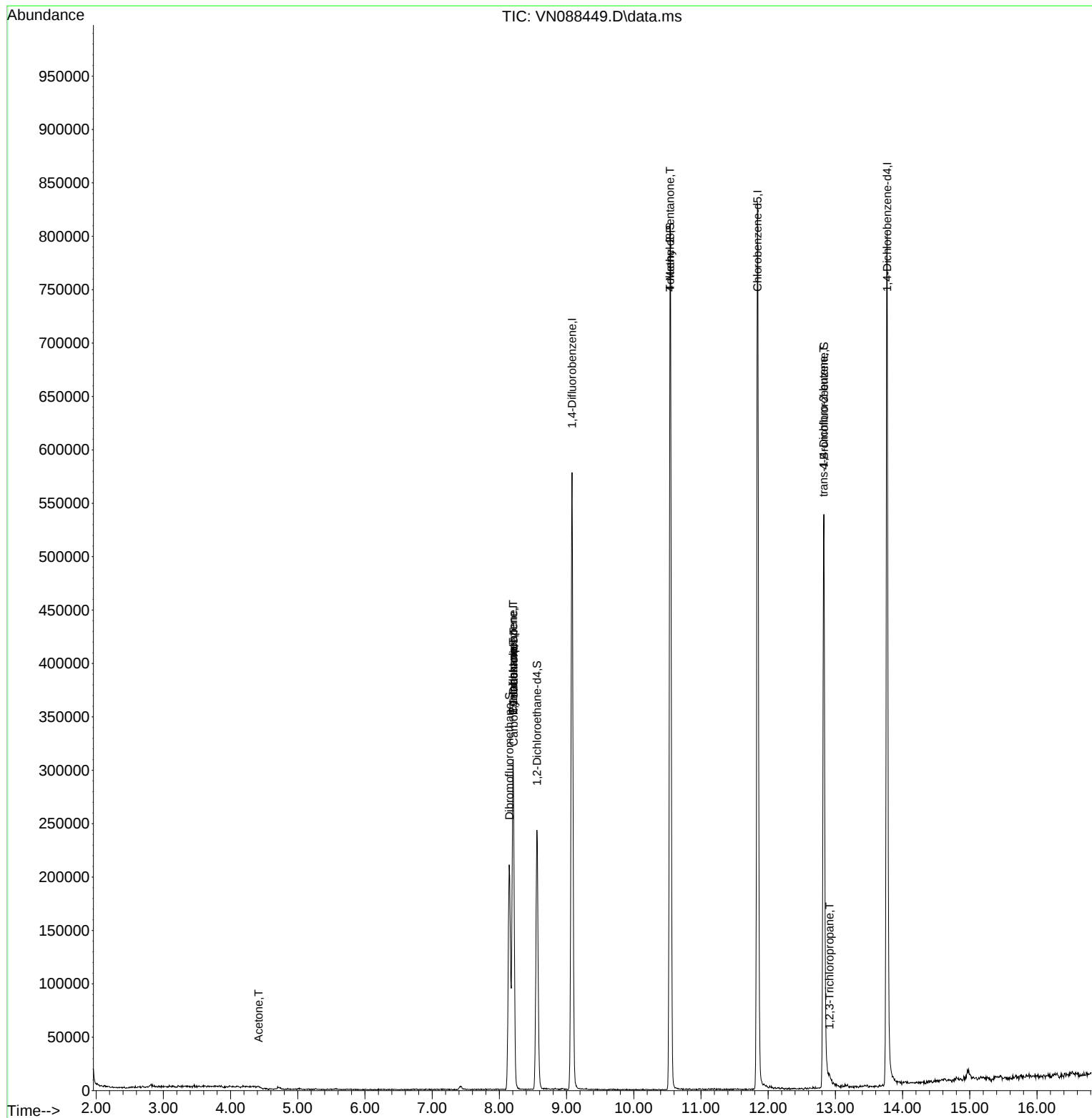
Internal Standards						
1) Pentafluorobenzene	8.206	168	198228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	454339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	441078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	210629	56.405	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 112.820%		
35) Dibromofluoromethane	8.147	113	148440	47.146	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 94.300%		
50) Toluene-d8	10.541	98	527723	45.047	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 90.100%		
62) 4-Bromofluorobenzene	12.829	95	210610	52.395	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 104.800%		
Target Compounds						
					Qvalue	
16) Acetone	4.418	43	2120	1.570	ug/l #	83
31) Cyclohexane	8.206	56	5673	1.155	ug/l #	21
36) 1,1-Dichloropropene	8.206	75	21021	4.326	ug/l #	52
38) Carbon Tetrachloride	8.212	117	24535	5.072	ug/l #	15
51) 4-Methyl-2-Pentanone	10.541	43	3217	0.559	ug/l #	1
76) 1,2,3-Trichloropropane	12.912	75	4663	0.942	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	116140	66.560	ug/l #	1

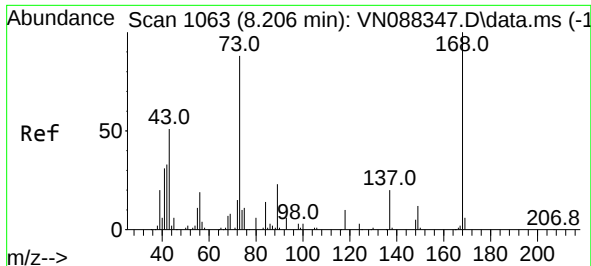
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

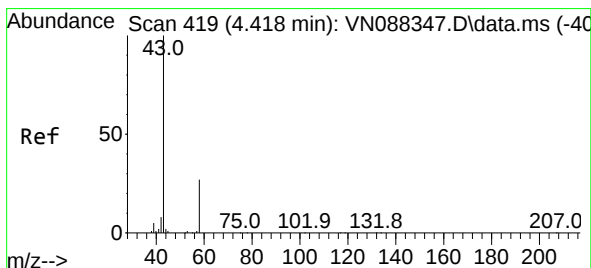
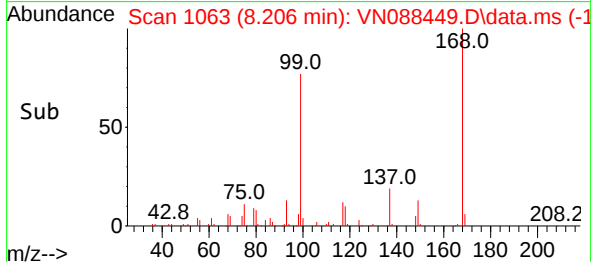
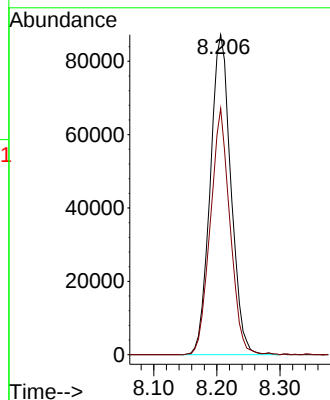
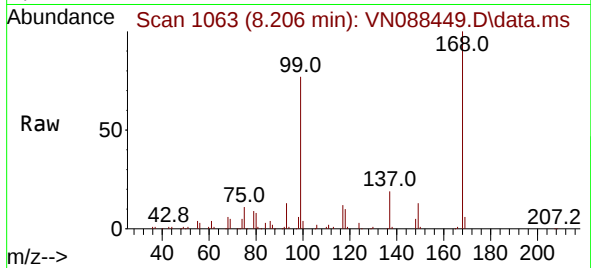




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

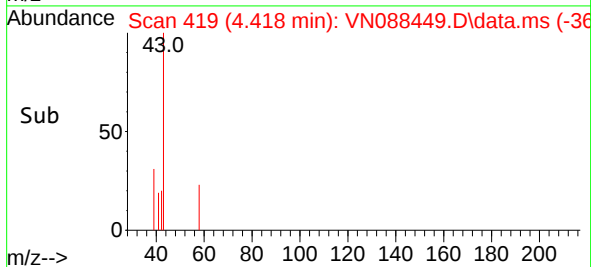
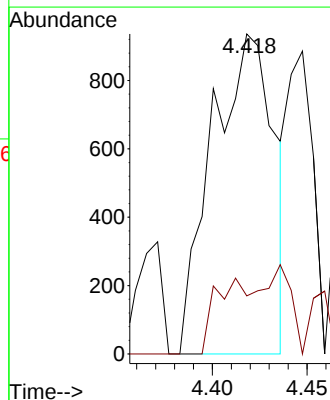
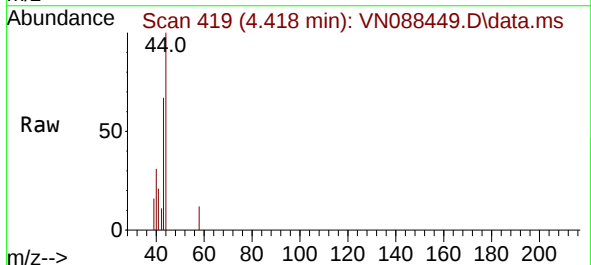
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MSVOA_N
ClientSampleId :
TB01-120325

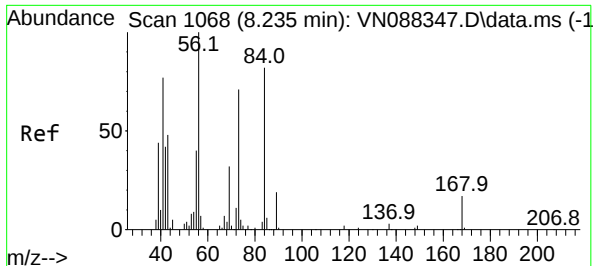
Tgt Ion:168 Resp: 198228
Ion Ratio Lower Upper
168 100
99 77.0 57.1 85.7



#16
Acetone
Concen: 1.570 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

Tgt Ion: 43 Resp: 2120
Ion Ratio Lower Upper
43 100
58 18.2 21.7 32.5#

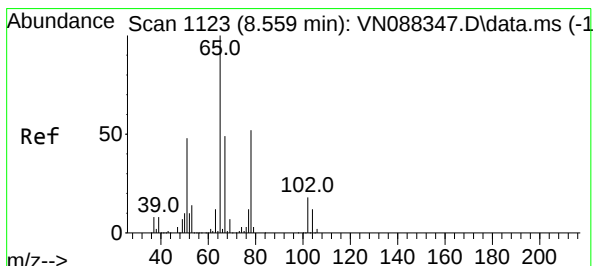
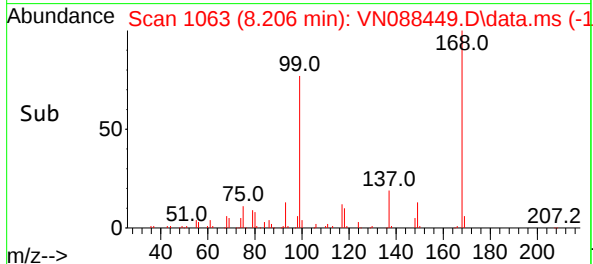
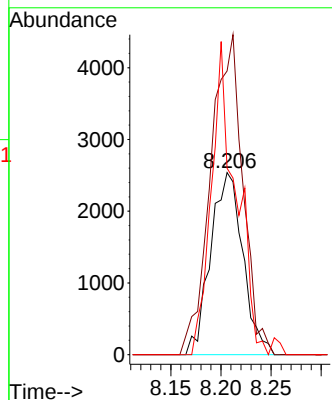
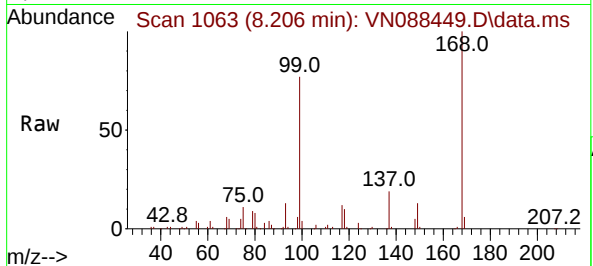




#31
Cyclohexane
Concen: 1.155 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

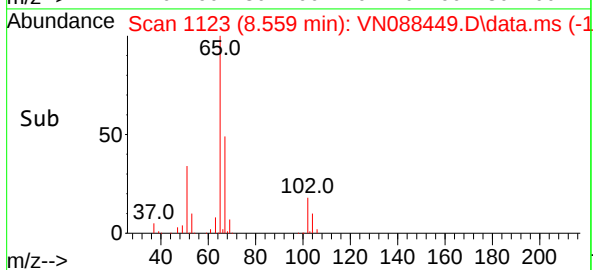
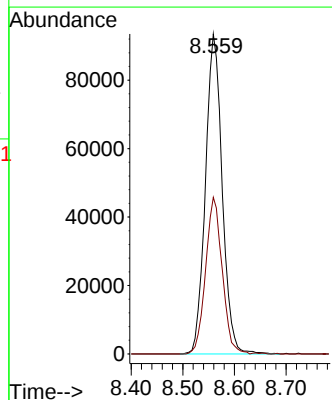
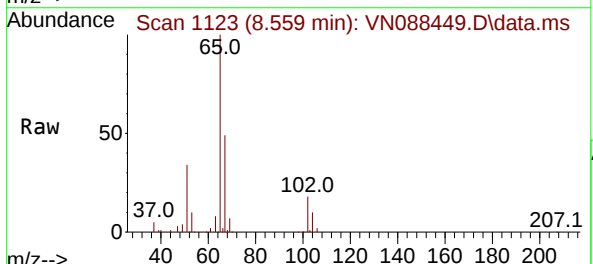
Instrument :
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ClientSampleId :
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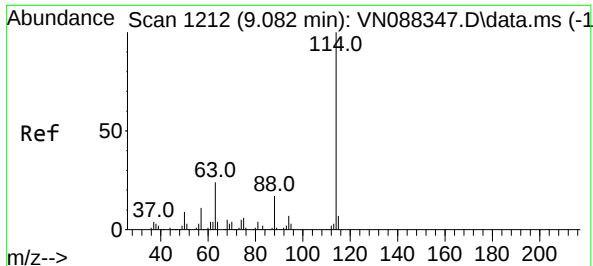
Tgt Ion: 56 Resp: 5673
Ion Ratio Lower Upper
56 100
69 155.7 25.3 37.9#
84 102.4 65.4 98.2#



#33
1,2-Dichloroethane-d4
Concen: 56.405 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

Tgt Ion: 65 Resp: 210629
Ion Ratio Lower Upper
65 100
67 48.4 0.0 100.8

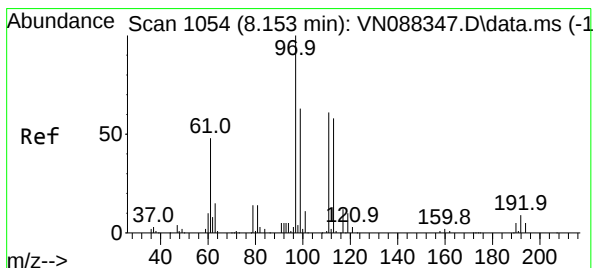
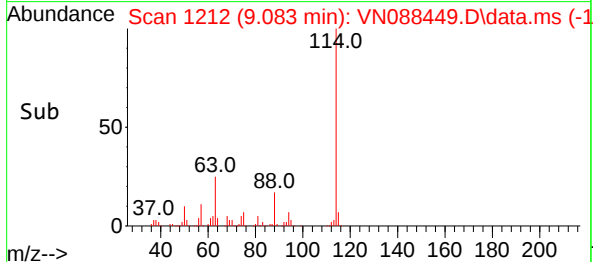
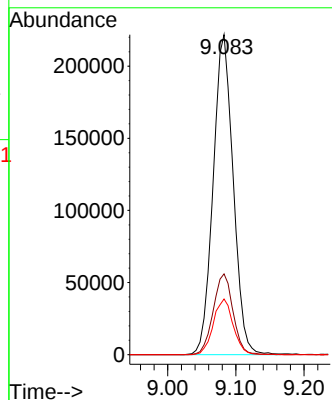
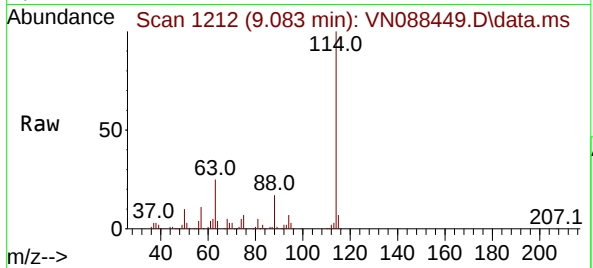




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

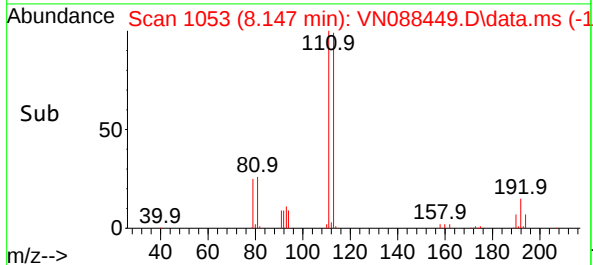
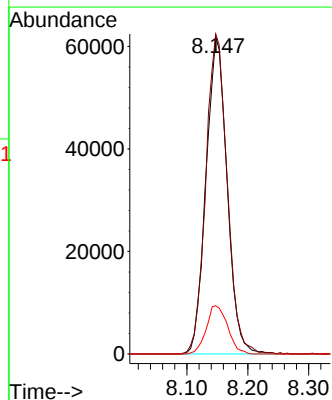
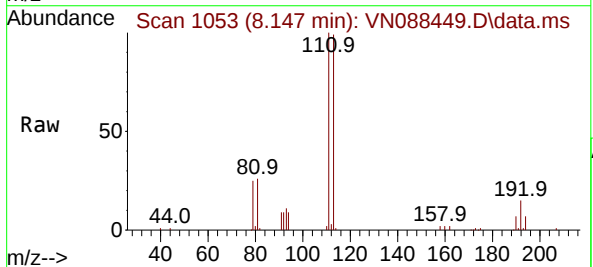
Instrument :
MSVOA_N
ClientSampleId :
TB01-120325

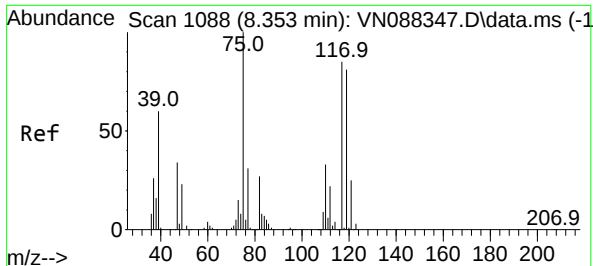
Tgt Ion:114 Resp: 454339
Ion Ratio Lower Upper
114 100
63 25.2 0.0 49.0
88 17.4 0.0 34.0



#35
Dibromofluoromethane
Concen: 47.146 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

Tgt Ion:113 Resp: 148440
Ion Ratio Lower Upper
113 100
111 102.4 82.5 123.7
192 15.4 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.326 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088449.D

Acq: 04 Dec 2025 16:28

Instrument :

MSVOA_N

ClientSampleId :

TB01-120325

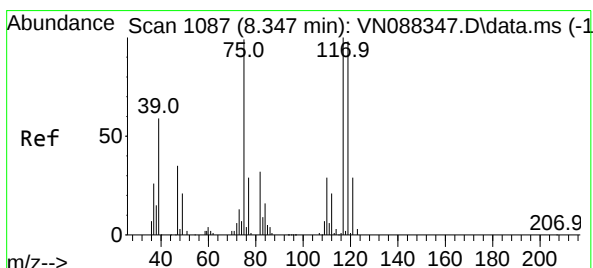
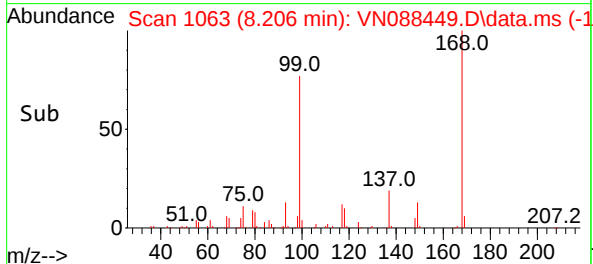
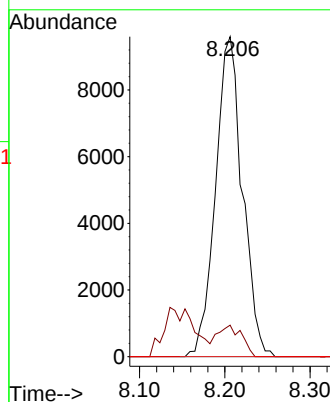
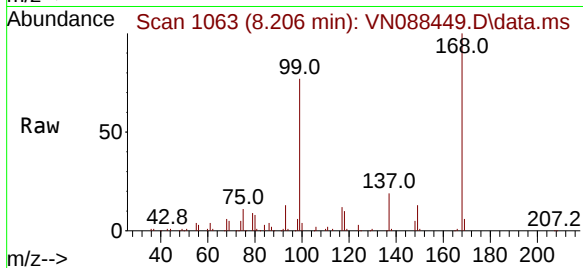
Tgt Ion: 75 Resp: 21021

Ion Ratio Lower Upper

75 100

110 8.9 15.8 47.4#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.072 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.135 min

Lab File: VN088449.D

Acq: 04 Dec 2025 16:28

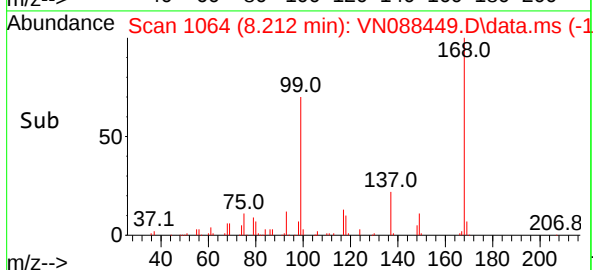
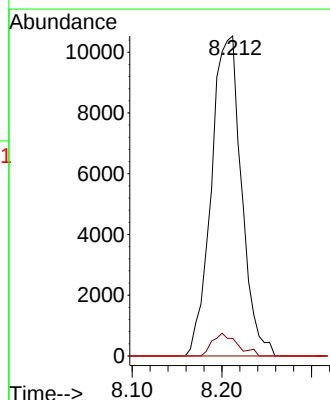
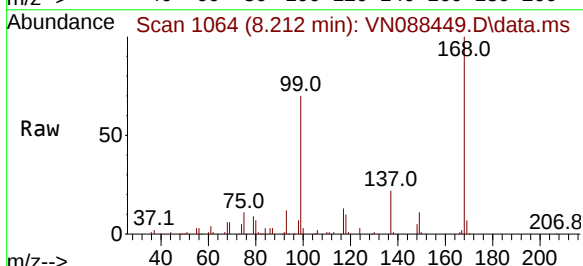
Tgt Ion: 117 Resp: 24535

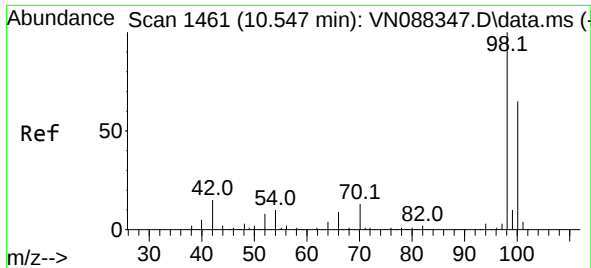
Ion Ratio Lower Upper

117 100

119 5.5 78.2 117.4#

121 0.0 23.4 35.2#

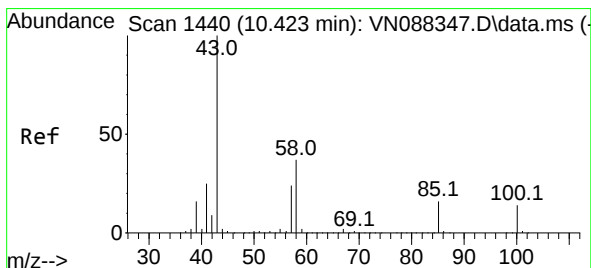
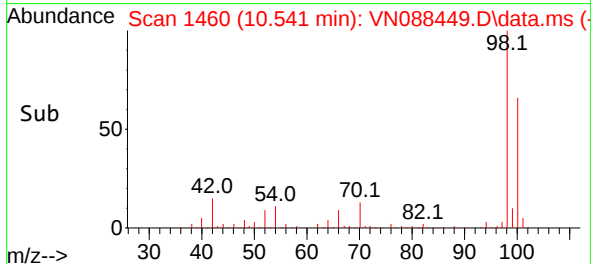
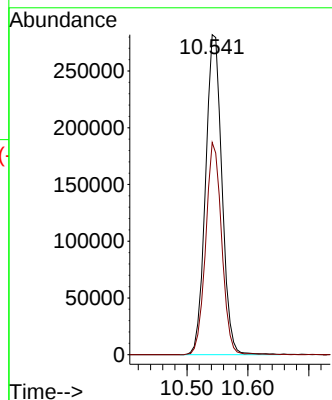
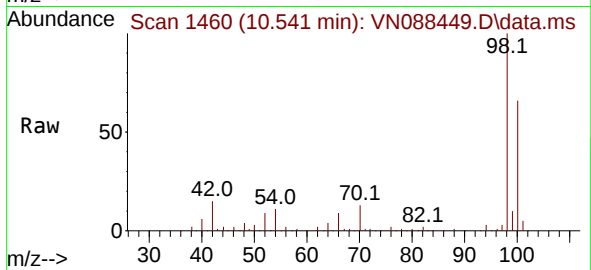




#50
Toluene-d8
Concen: 45.047 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

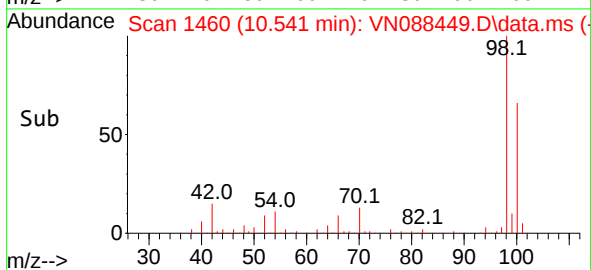
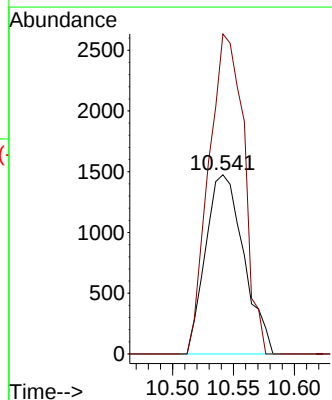
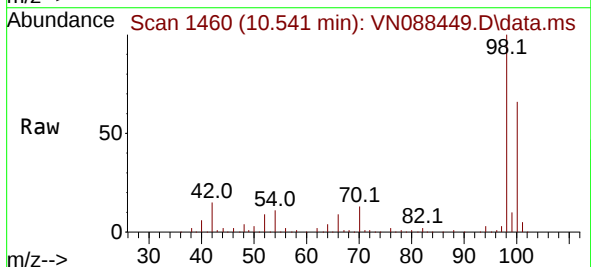
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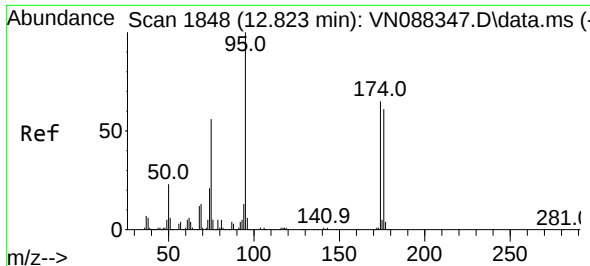
Tgt Ion: 98 Resp: 527723
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.559 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. 0.118 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

Tgt Ion: 43 Resp: 3217
Ion Ratio Lower Upper
43 100
58 164.3 29.1 43.7#

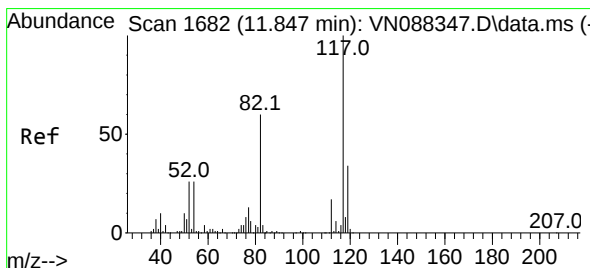
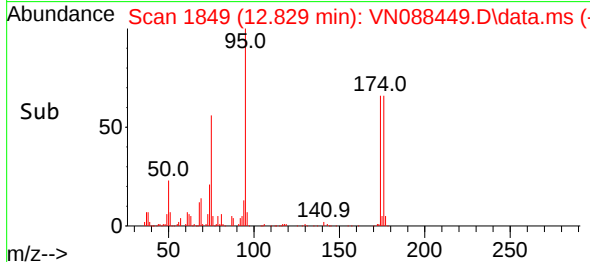
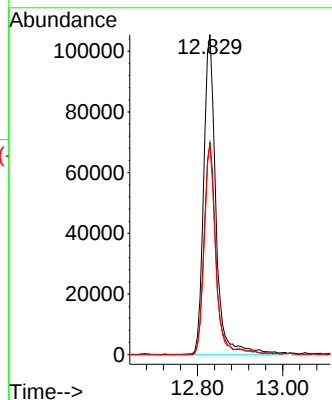
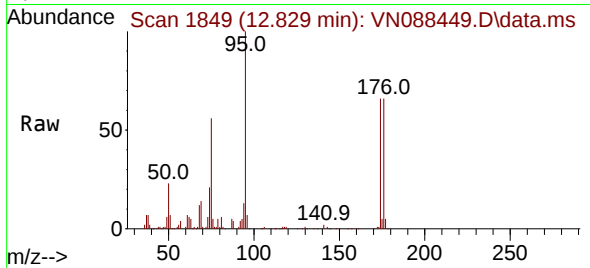




#62
4-Bromofluorobenzene
Concen: 52.395 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

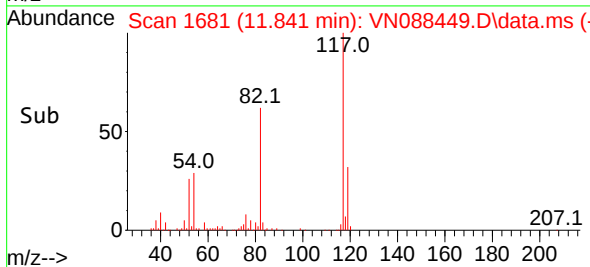
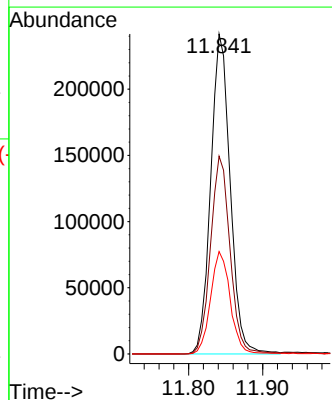
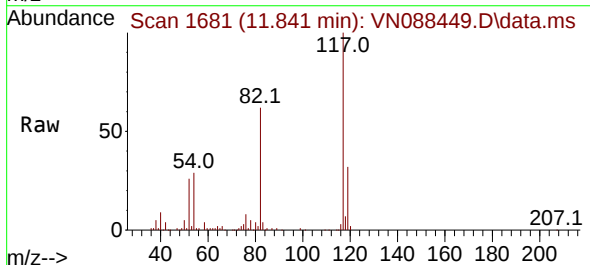
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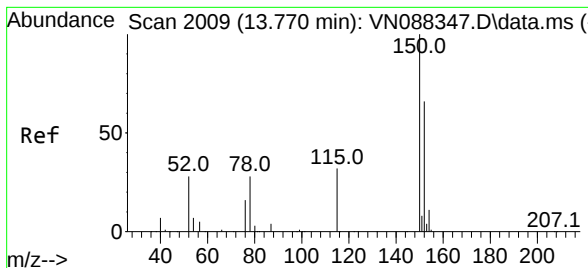
Tgt Ion: 95 Resp: 210610
Ion Ratio Lower Upper
95 100
174 62.5 0.0 139.0
176 62.3 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

Tgt Ion: 117 Resp: 441078
Ion Ratio Lower Upper
117 100
82 61.8 47.8 71.8
119 32.0 26.9 40.3

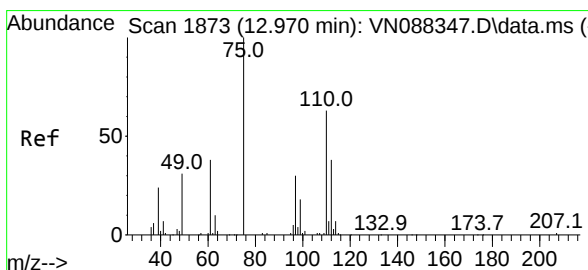
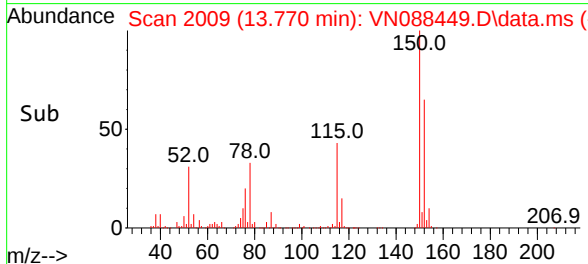
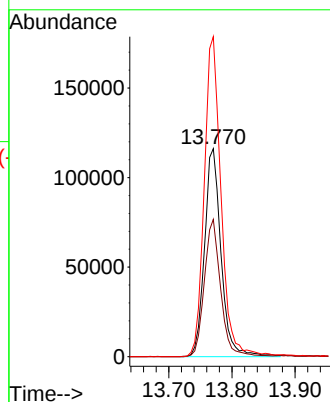
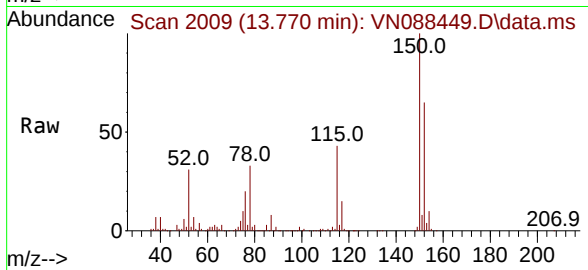




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088449.D
 Acq: 04 Dec 2025 16:28

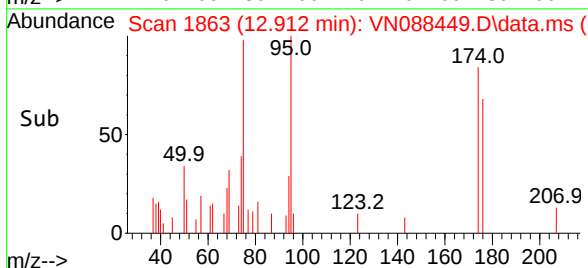
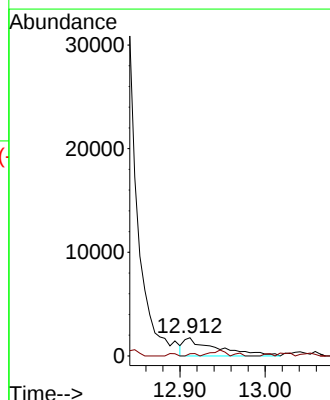
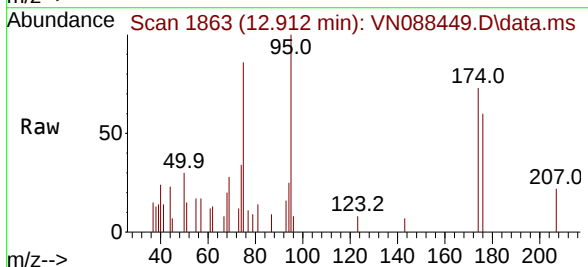
Instrument :
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 ClientSampleId :
 TB01-120325

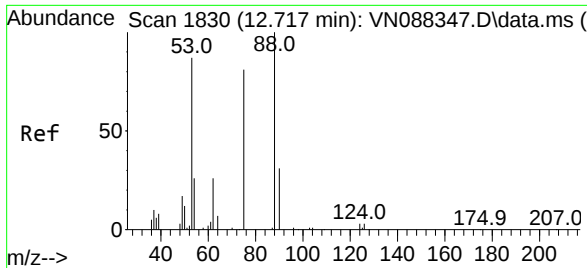
Tgt Ion:152 Resp: 211349
 Ion Ratio Lower Upper
 152 100
 115 65.0 33.0 98.9
 150 156.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 0.942 ug/l
 RT: 12.912 min Scan# 1863
 Delta R.T. -0.059 min
 Lab File: VN088449.D
 Acq: 04 Dec 2025 16:28

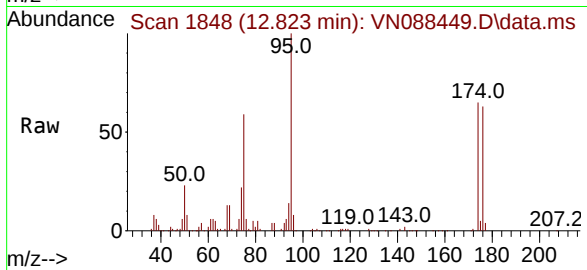
Tgt Ion: 75 Resp: 4663
 Ion Ratio Lower Upper
 75 100
 77 3.4 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.560 ug/l
 RT: 12.823 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN088449.D
 Acq: 04 Dec 2025 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-120325



Tgt Ion: 75 Resp: 116140
 Ion Ratio Lower Upper
 75 100
 53 0.2 92.2 138.4#
 89 0.0 0.0 0.0

