

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088424.D
 Acq On : 03 Dec 2025 13:33
 Operator : JC\MD
 Sample : Q3756-01 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OW-04B-26.5-120225

Quant Time: Dec 04 00:18:14 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)

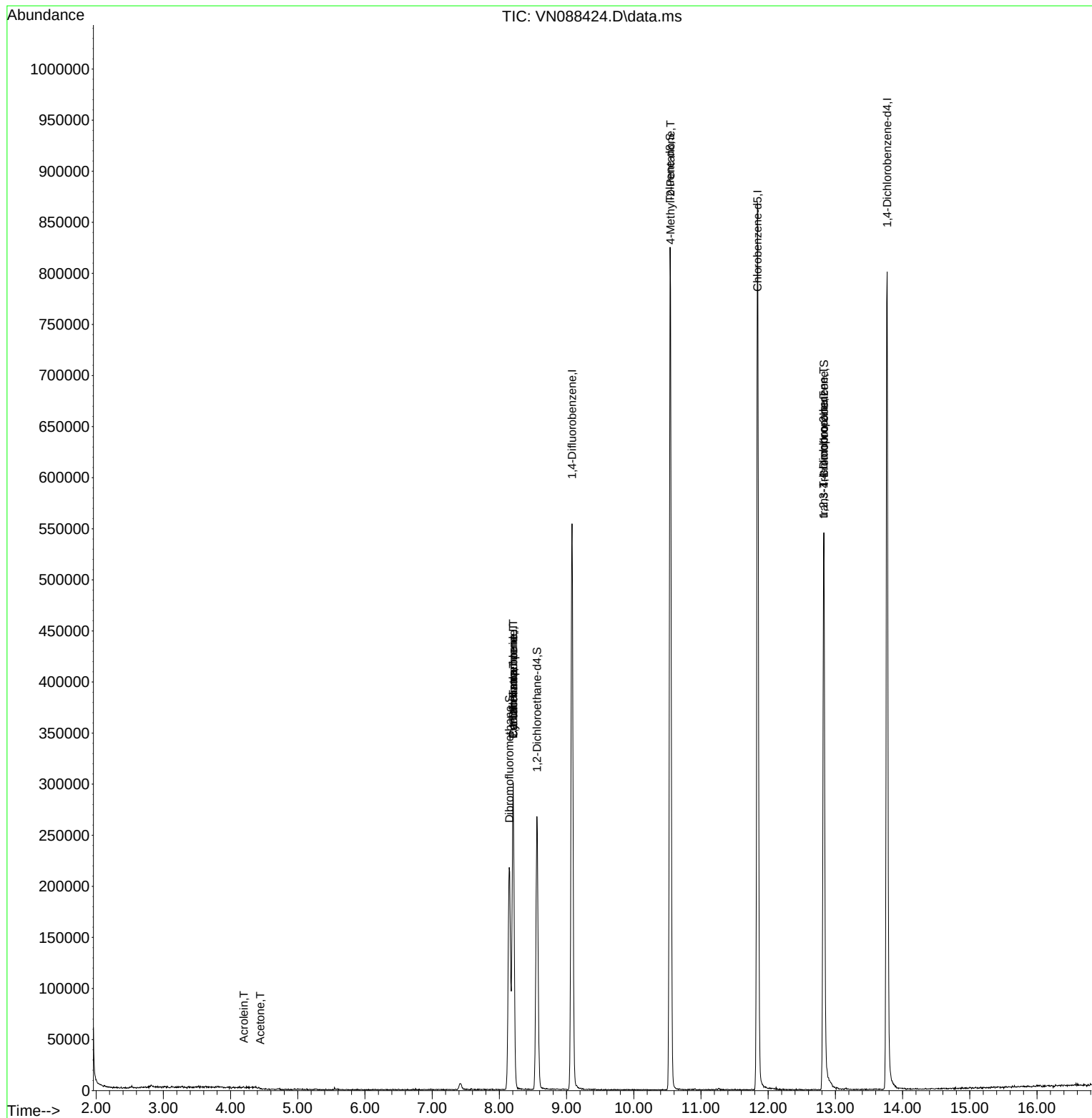
Internal Standards						
1) Pentafluorobenzene	8.206	168	188921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	446620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	452817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	227277	63.862	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 127.720%#		
35) Dibromofluoromethane	8.147	113	160972	52.009	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.020%		
50) Toluene-d8	10.541	98	543086	47.159	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 94.320%		
62) 4-Bromofluorobenzene	12.829	95	198952	50.350	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 100.700%		
Target Compounds						
						Qvalue
13) Acrolein	4.200	56	116	0.213	ug/l #	14
16) Acetone	4.441	43	1065	0.827	ug/l #	48
31) Cyclohexane	8.206	56	6517	1.392	ug/l #	56
36) 1,1-Dichloropropene	8.206	75	20742	4.342	ug/l #	52
38) Carbon Tetrachloride	8.206	117	22912	4.818	ug/l #	18
51) 4-Methyl-2-Pentanone	10.547	43	2840	0.502	ug/l #	1
76) 1,2,3-Trichloropropane	12.823	75	120544	24.339	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	120544	69.048	ug/l #	1

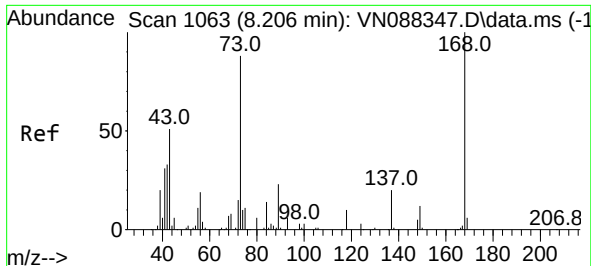
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

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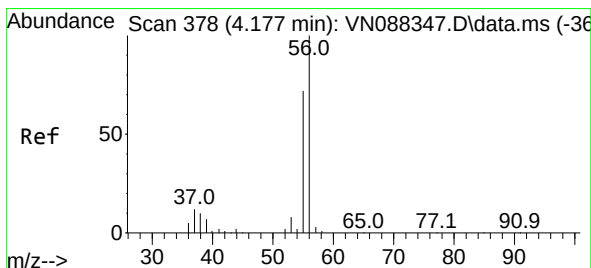
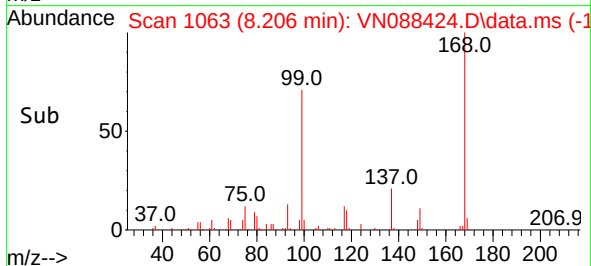
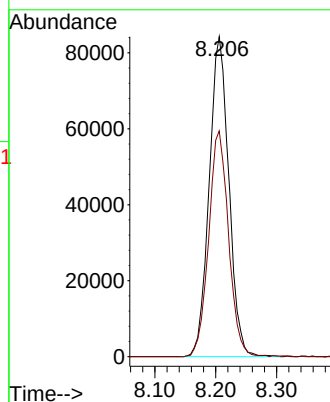
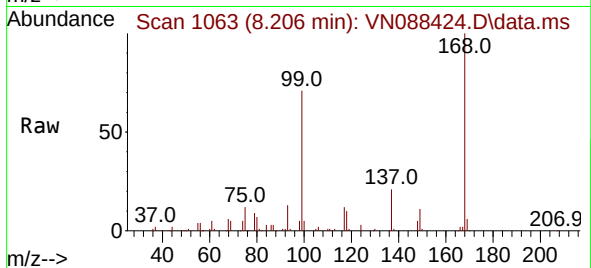




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088424.D
Acq: 03 Dec 2025 13:33

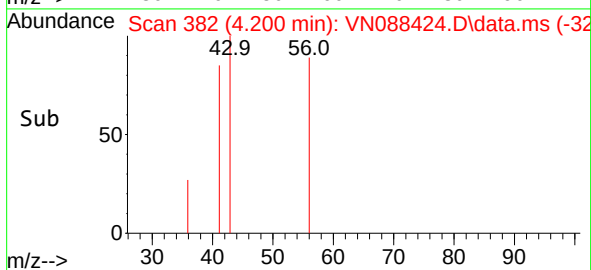
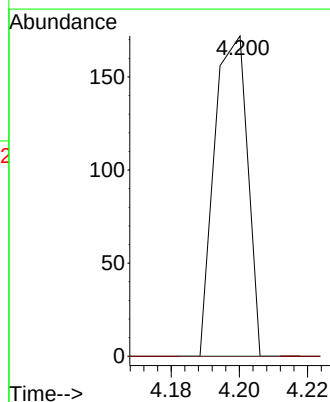
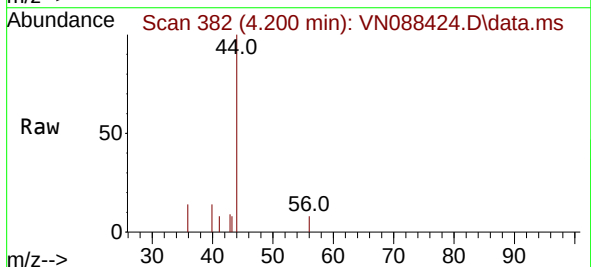
Instrument :
MSVOA_N
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OW-04B-26.5-120225

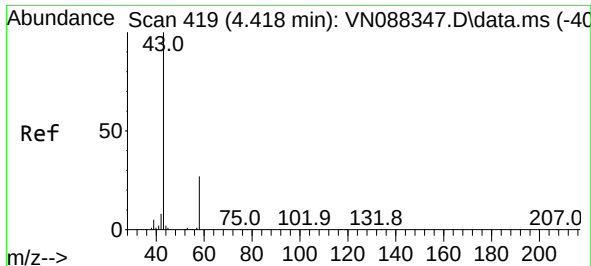
Tgt Ion:168 Resp: 188921
Ion Ratio Lower Upper
168 100
99 70.6 57.1 85.7



#13
Acrolein
Concen: 0.213 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.023 min
Lab File: VN088424.D
Acq: 03 Dec 2025 13:33

Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#

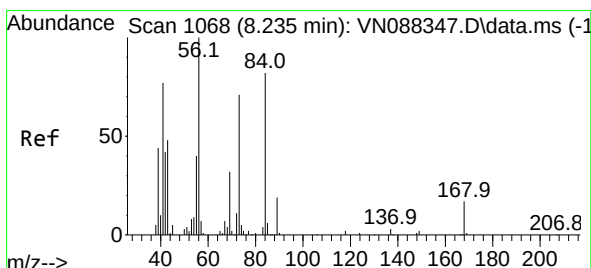
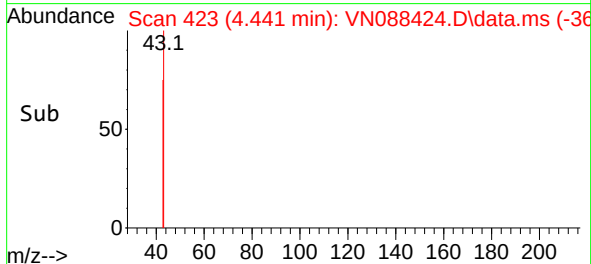
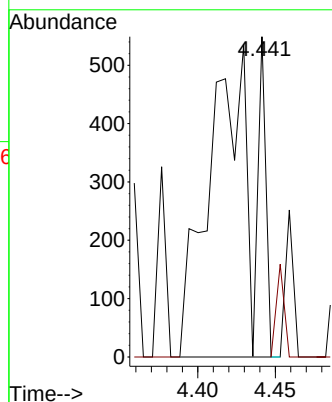
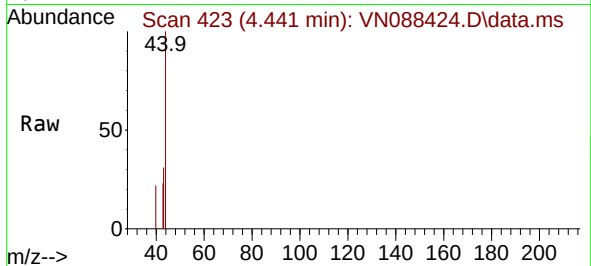




#16
Acetone
Concen: 0.827 ug/l
RT: 4.441 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN088424.D
Acq: 03 Dec 2025 13:33

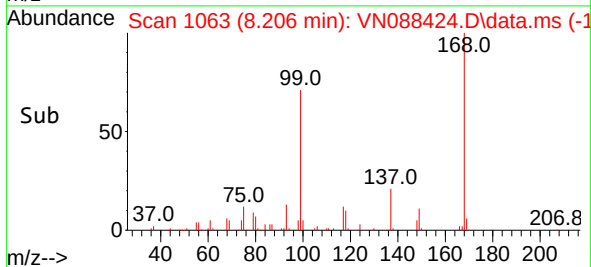
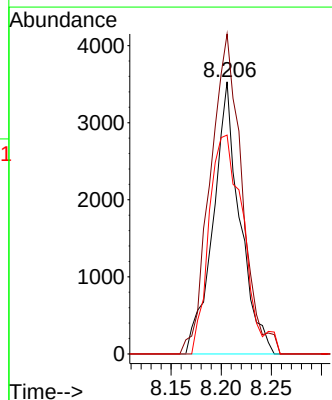
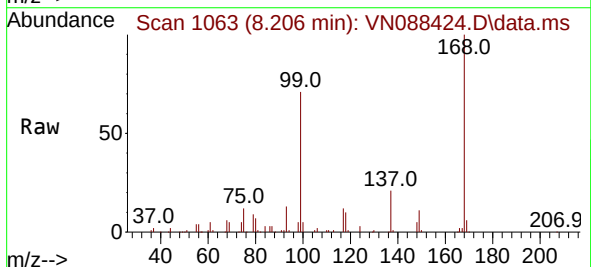
Instrument :
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ClientSampleId :
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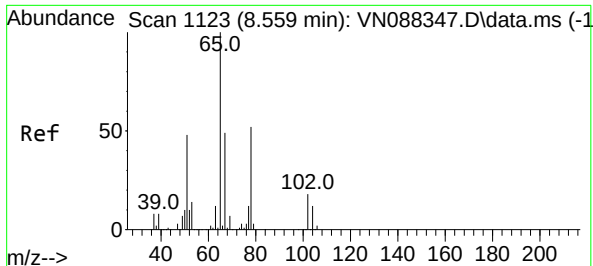
Tgt Ion: 43 Resp: 1065
Ion Ratio Lower Upper
43 100
58 0.0 21.7 32.5#



#31
Cyclohexane
Concen: 1.392 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN088424.D
Acq: 03 Dec 2025 13:33

Tgt Ion: 56 Resp: 6517
Ion Ratio Lower Upper
56 100
69 117.6 25.3 37.9#
84 80.5 65.4 98.2

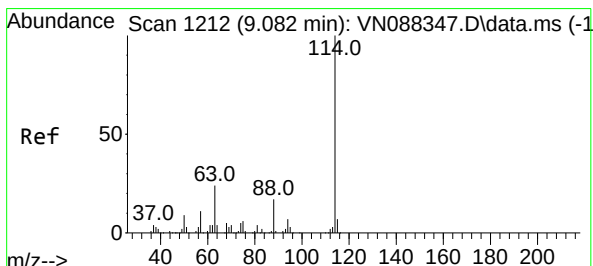
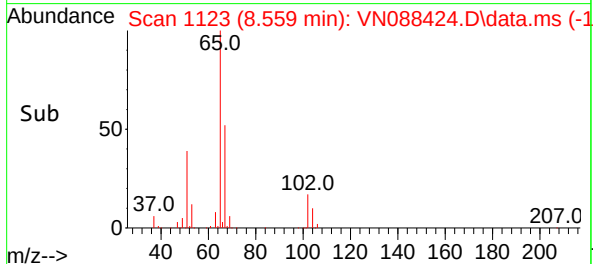
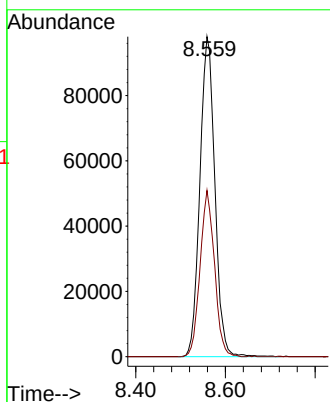
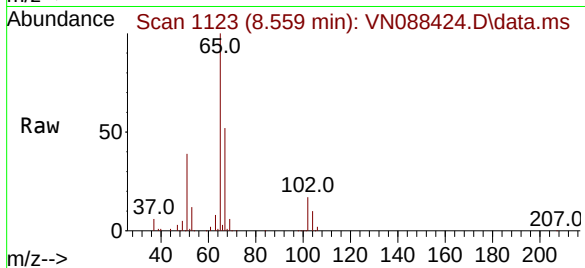




#33
1,2-Dichloroethane-d4
Concen: 63.862 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088424.D
Acq: 03 Dec 2025 13:33

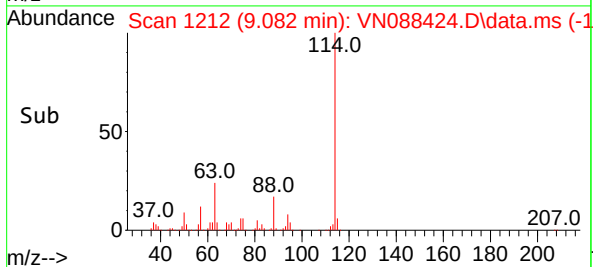
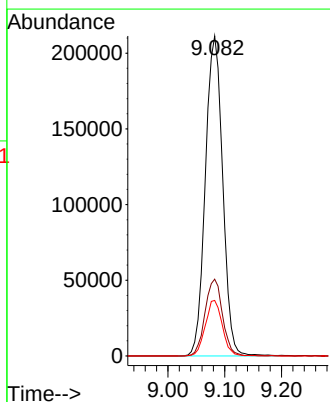
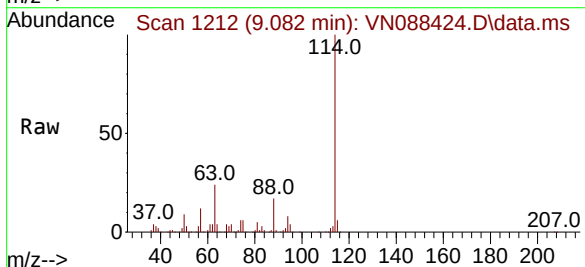
Instrument :
MSVOA_N
ClientSampleId :
OW-04B-26.5-120225

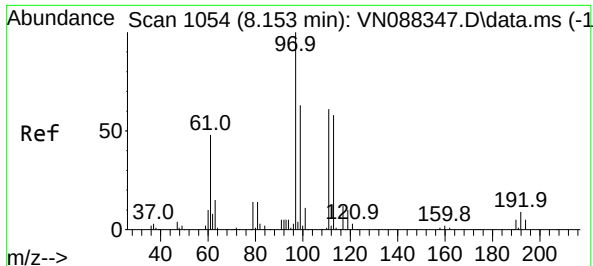
Tgt Ion: 65 Resp: 227277
Ion Ratio Lower Upper
65 100
67 50.0 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088424.D
Acq: 03 Dec 2025 13:33

Tgt Ion: 114 Resp: 446620
Ion Ratio Lower Upper
114 100
63 24.0 0.0 49.0
88 17.3 0.0 34.0





#35

Dibromofluoromethane

Concen: 52.009 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088424.D

Acq: 03 Dec 2025 13:33

Instrument :

MSVOA_N

ClientSampleId :

OW-04B-26.5-120225

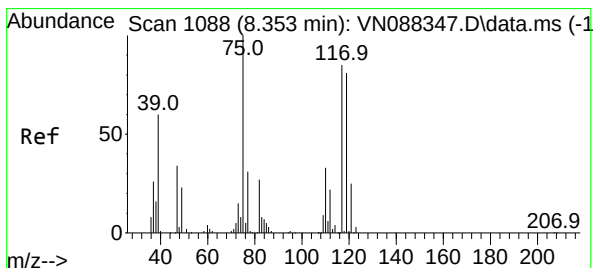
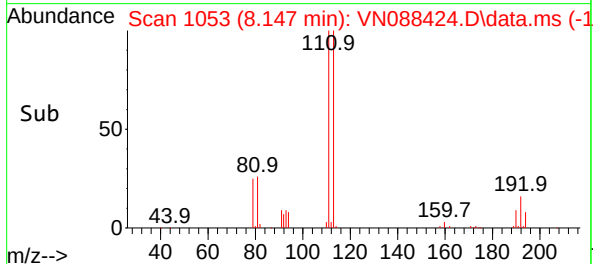
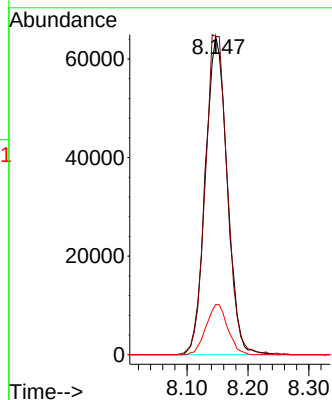
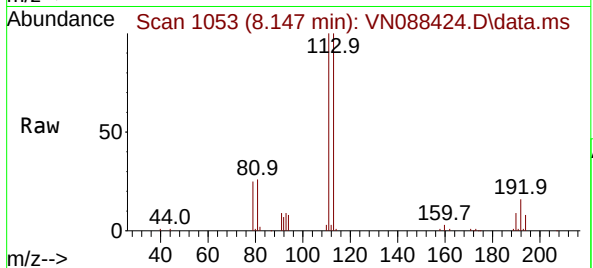
Tgt Ion:113 Resp: 160972

Ion Ratio Lower Upper

113 100

111 101.5 82.5 123.7

192 15.6 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.342 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088424.D

Acq: 03 Dec 2025 13:33

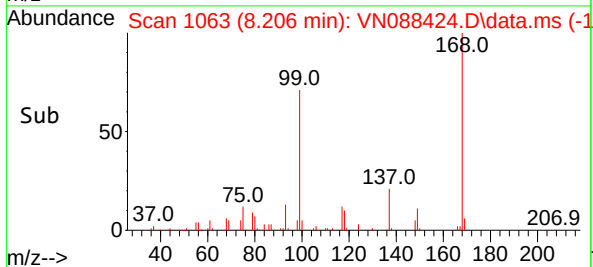
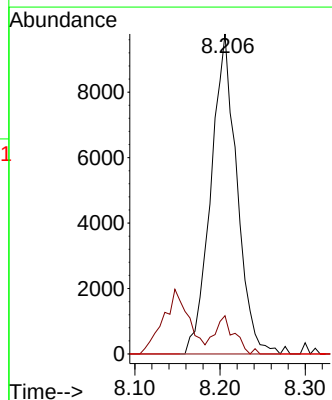
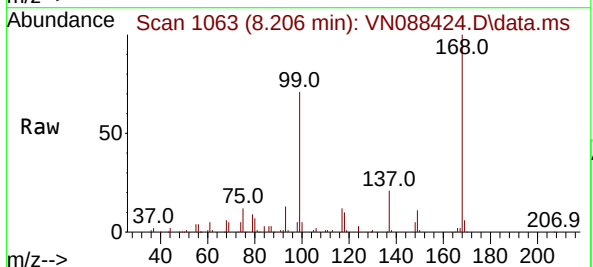
Tgt Ion: 75 Resp: 20742

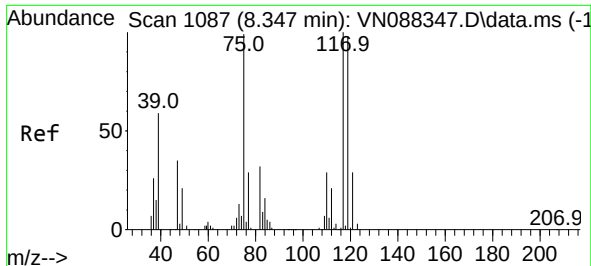
Ion Ratio Lower Upper

75 100

110 9.0 15.8 47.4#

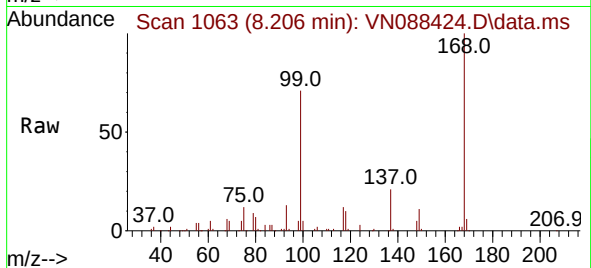
77 0.0 24.2 36.2#



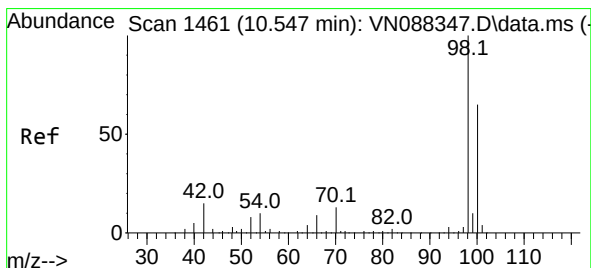
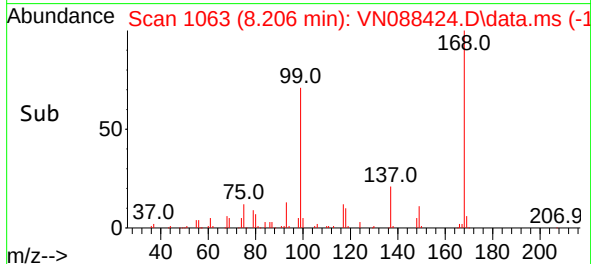
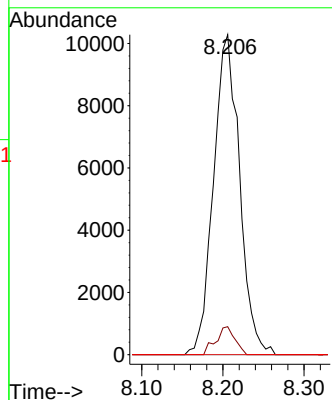


#38
Carbon Tetrachloride
Concen: 4.818 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.141 min
Lab File: VN088424.D
Acq: 03 Dec 2025 13:33

Instrument :
MSVOA_N
ClientSampleId :
OW-04B-26.5-120225

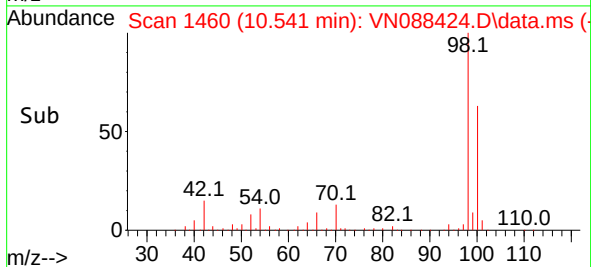
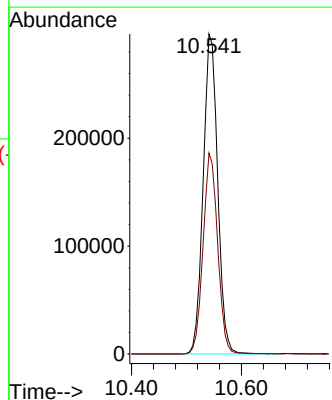
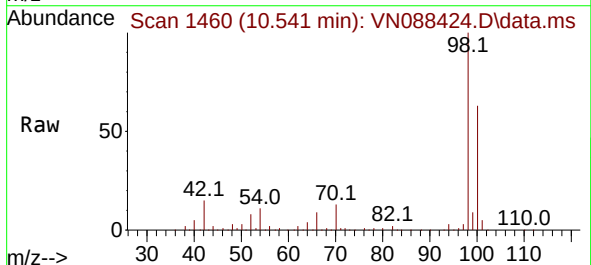


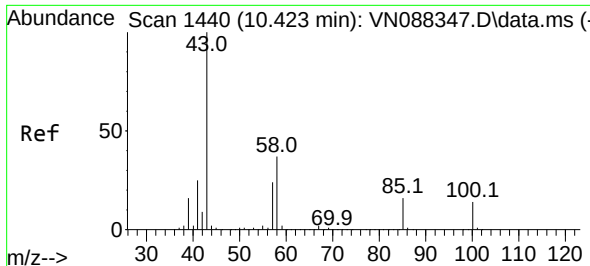
Tgt Ion:117 Resp: 22912
Ion Ratio Lower Upper
117 100
119 8.8 78.2 117.4#
121 0.0 23.4 35.2#



#50
Toluene-d8
Concen: 47.159 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088424.D
Acq: 03 Dec 2025 13:33

Tgt Ion: 98 Resp: 543086
Ion Ratio Lower Upper
98 100
100 63.2 52.2 78.2

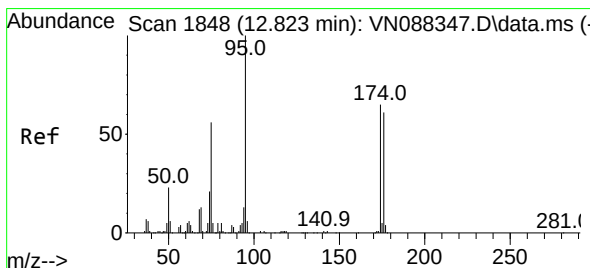
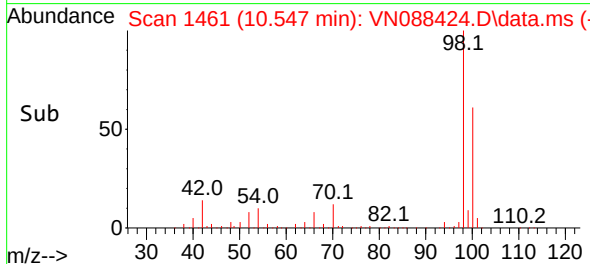
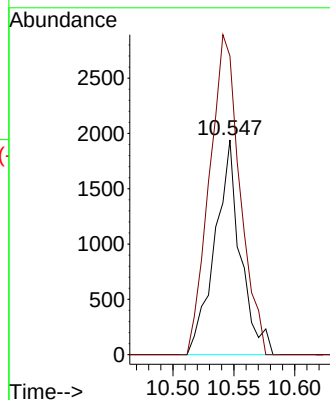
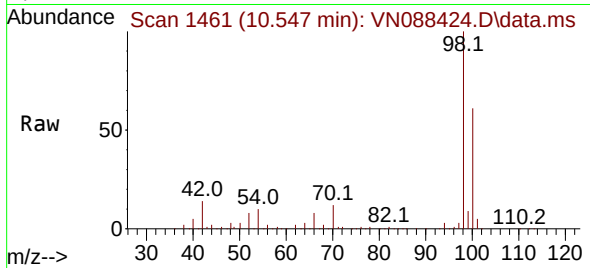




#51
4-Methyl-2-Pentanone
Concen: 0.502 ug/l
RT: 10.547 min Scan# 1440
Delta R.T. 0.123 min
Lab File: VN088424.D
Acq: 03 Dec 2025 13:33

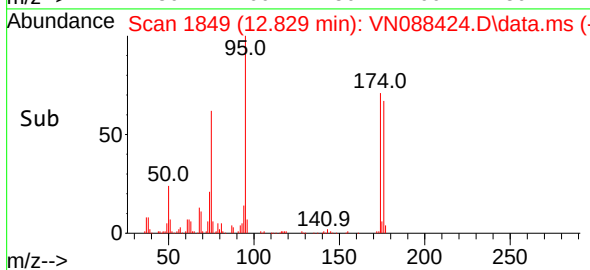
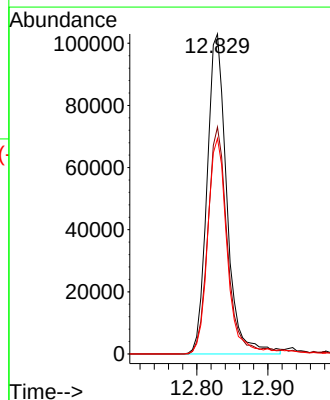
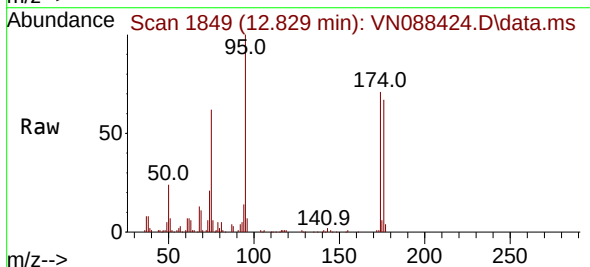
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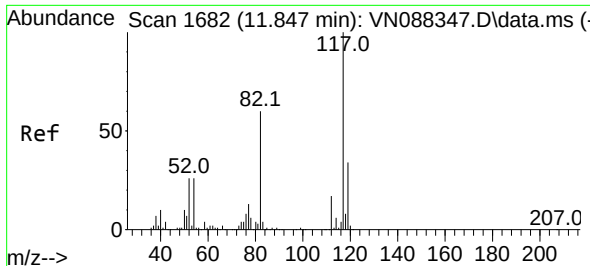
Tgt Ion: 43 Resp: 2840
Ion Ratio Lower Upper
43 100
58 177.9 29.1 43.7#



#62
4-Bromofluorobenzene
Concen: 50.350 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088424.D
Acq: 03 Dec 2025 13:33

Tgt Ion: 95 Resp: 198952
Ion Ratio Lower Upper
95 100
174 70.5 0.0 139.0
176 66.6 0.0 132.4

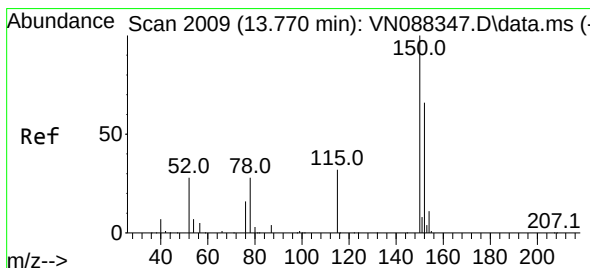
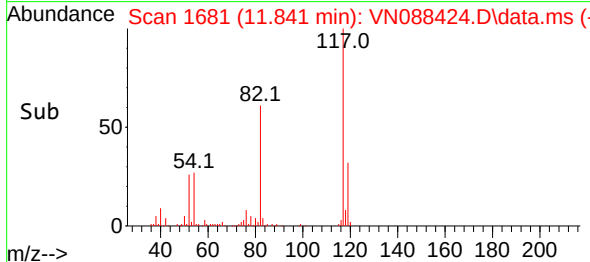
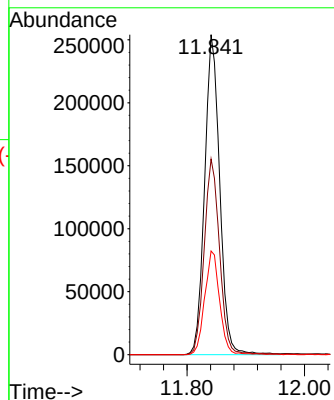
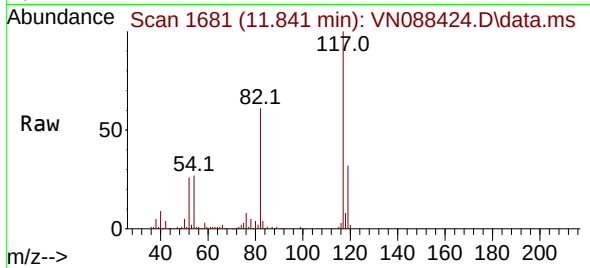




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088424.D
Acq: 03 Dec 2025 13:33

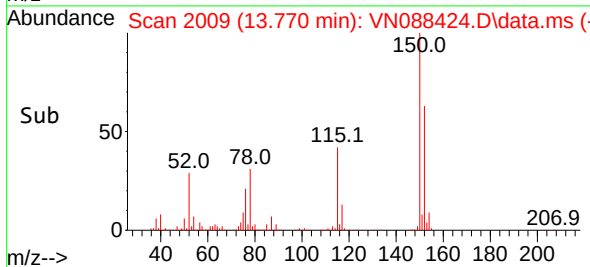
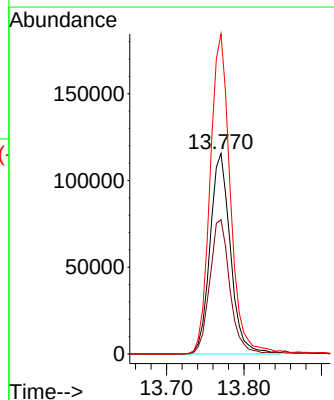
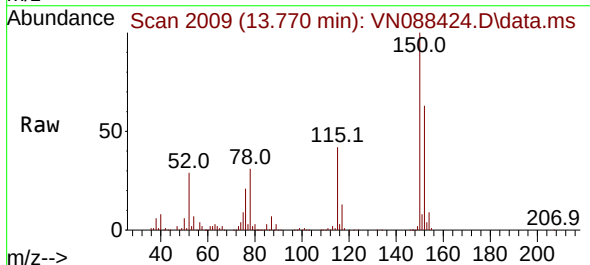
Instrument :
MSVOA_N
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OW-04B-26.5-120225

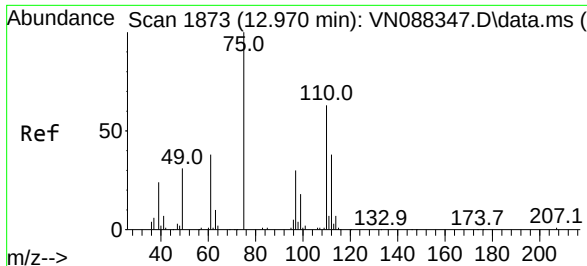
Tgt Ion:117 Resp: 452817
Ion Ratio Lower Upper
117 100
82 61.2 47.8 71.8
119 32.4 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088424.D
Acq: 03 Dec 2025 13:33

Tgt Ion:152 Resp: 211457
Ion Ratio Lower Upper
152 100
115 66.0 33.0 98.9
150 157.9 0.0 349.0

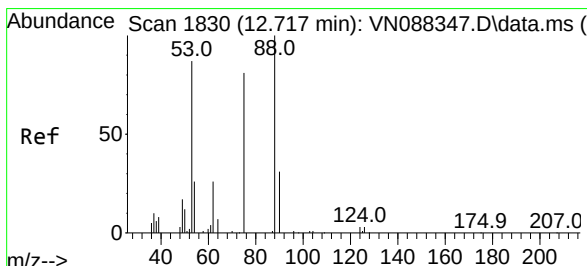
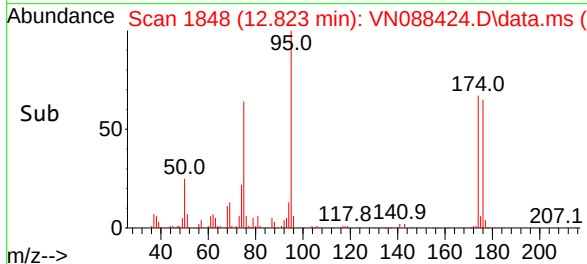
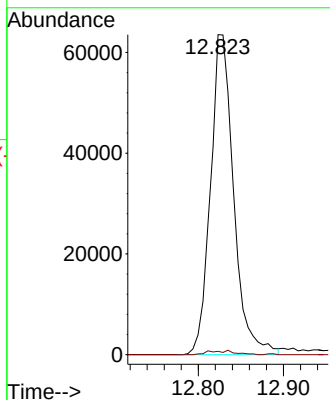
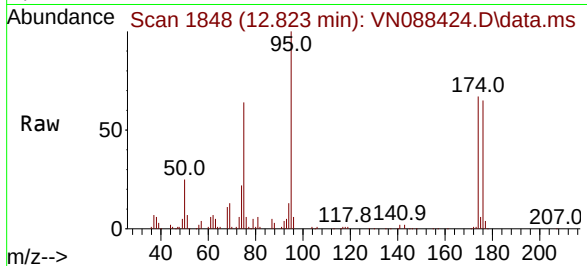




#76
1,2,3-Trichloropropane
Concen: 24.339 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.147 min
Lab File: VN088424.D
Acq: 03 Dec 2025 13:33

Instrument :
MSVOA_N
ClientSampleId :
OW-04B-26.5-120225

Tgt Ion: 75 Resp: 120544
Ion Ratio Lower Upper
75 100
77 1.4 87.2 261.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.048 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.106 min
Lab File: VN088424.D
Acq: 03 Dec 2025 13:33

Tgt Ion: 75 Resp: 120544
Ion Ratio Lower Upper
75 100
53 0.1 92.2 138.4#
89 0.0 0.0 0.0

