

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088421.D
 Acq On : 03 Dec 2025 12:31
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 04 00:17:12 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)

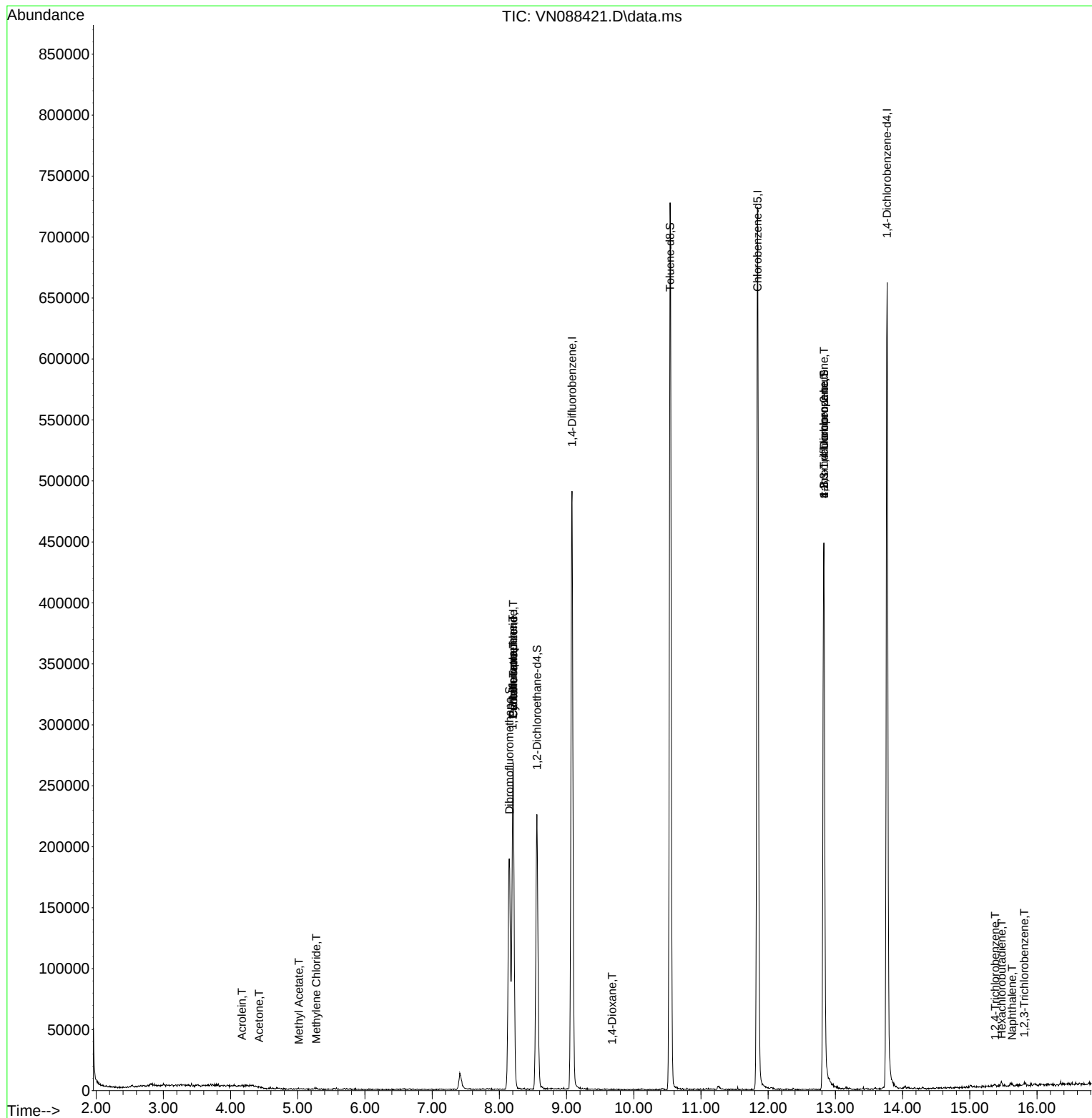
Internal Standards						
1) Pentafluorobenzene	8.206	168	171012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	392624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	373269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	172595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	186044	57.750	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	115.500%	
35) Dibromofluoromethane	8.147	113	138712	50.981	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	101.960%	
50) Toluene-d8	10.541	98	474572	46.877	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	93.760%	
62) 4-Bromofluorobenzene	12.829	95	169931	48.920	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	97.840%	
Target Compounds						
					Qvalue	
13) Acrolein	4.171	56	395	0.802	ug/l #	1
16) Acetone	4.424	43	1473	1.264	ug/l #	48
18) Methyl Acetate	5.018	43	810	0.234	ug/l #	53
20) Methylene Chloride	5.277	84	837	0.336	ug/l #	57
31) Cyclohexane	8.206	56	5956	1.406	ug/l #	29
36) 1,1-Dichloropropene	8.200	75	18033	4.294	ug/l #	51
38) Carbon Tetrachloride	8.206	117	21541	5.153	ug/l #	15
49) 1,4-Dioxane	9.677	88	136	2.778	ug/l #	11
76) 1,2,3-Trichloropropane	12.829	75	97145	24.031	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	97145	68.175	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.376	180	696	0.219	ug/l #	82
94) Hexachlorobutadiene	15.476	225	983	0.861	ug/l #	58
95) Naphthalene	15.629	128	2422	0.220	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.811	180	978	0.316	ug/l #	85

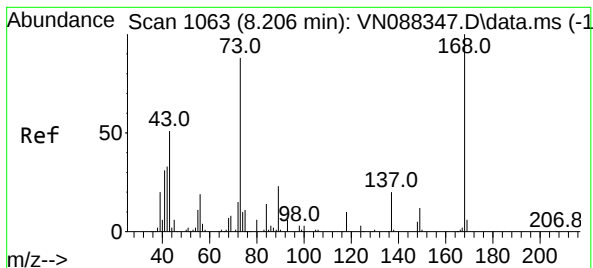
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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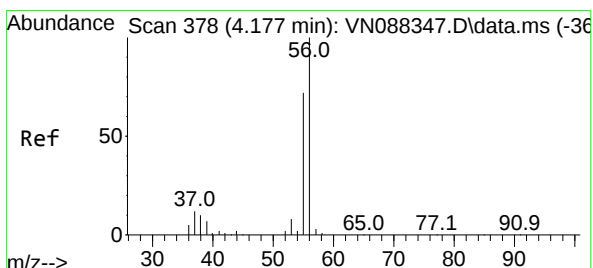
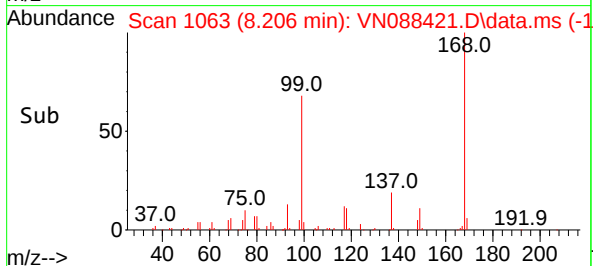
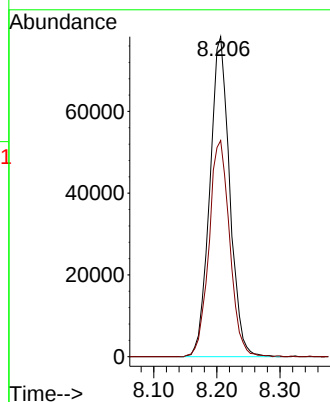
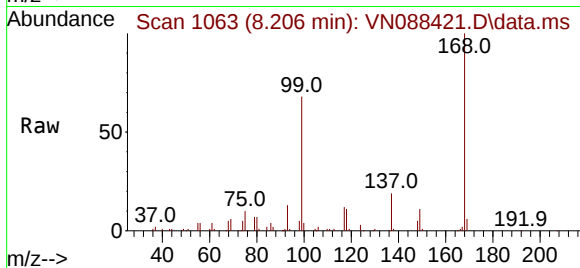




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

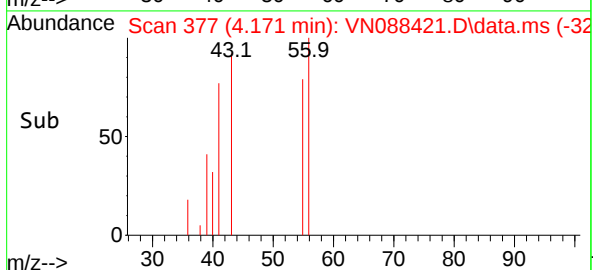
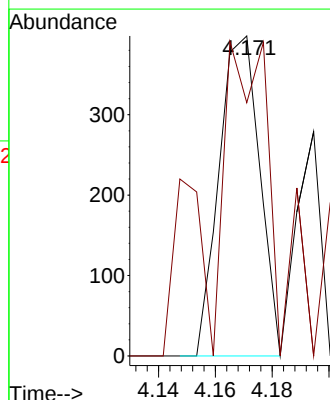
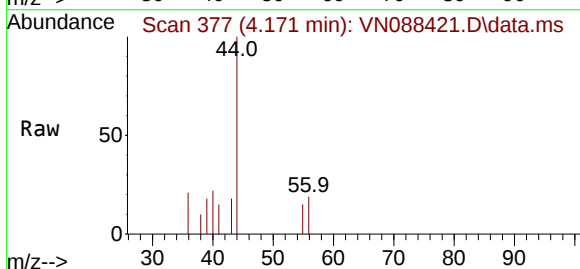
Instrument :
MSVOA_N
ClientSampleId :
IBLK

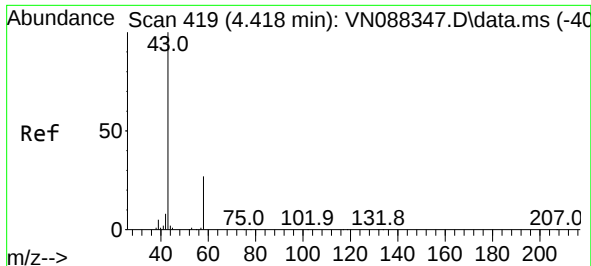
Tgt Ion:168 Resp: 171012
Ion Ratio Lower Upper
168 100
99 67.5 57.1 85.7



#13
Acrolein
Concen: 0.802 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

Tgt Ion: 56 Resp: 395
Ion Ratio Lower Upper
56 100
55 154.4 56.3 84.5#

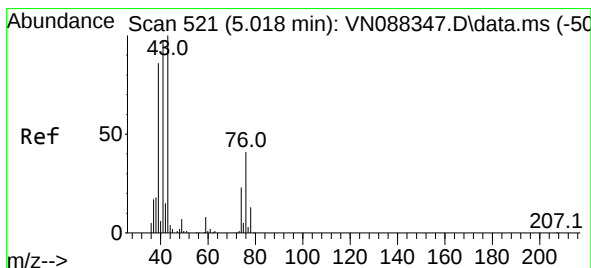
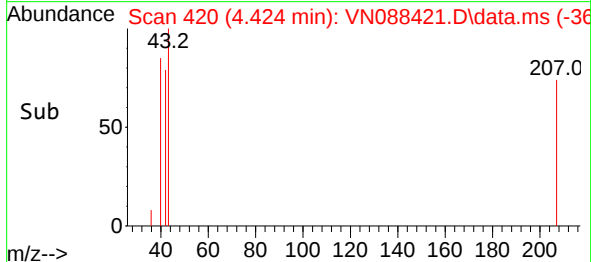
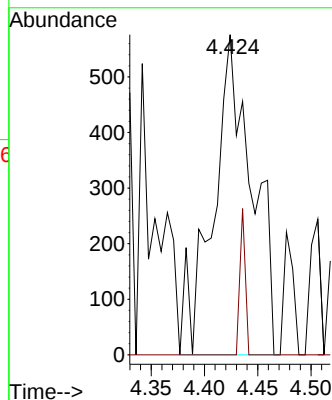
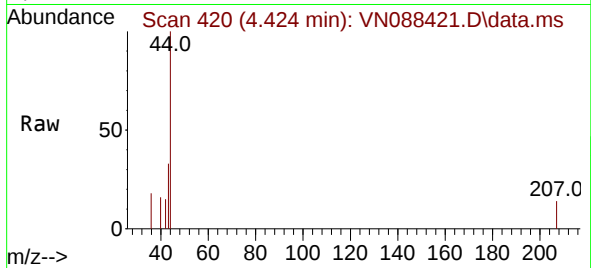




#16
Acetone
Concen: 1.264 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

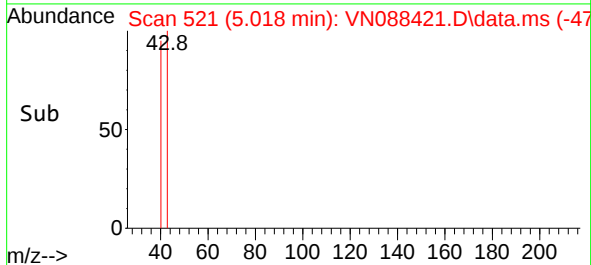
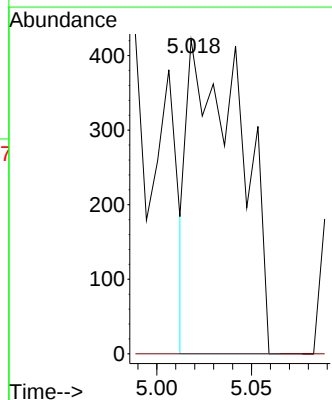
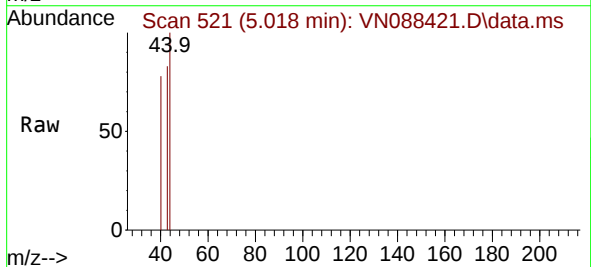
Instrument :
MSVOA_N
ClientSampleId :
IBLK

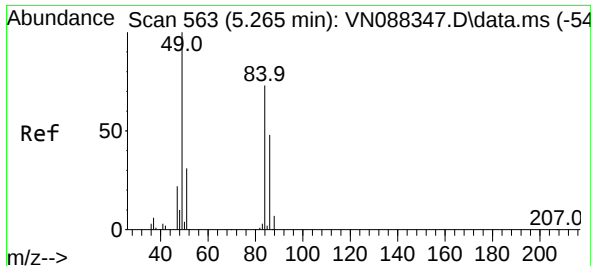
Tgt Ion: 43 Resp: 1473
Ion Ratio Lower Upper
43 100
58 0.0 21.7 32.5#



#18
Methyl Acetate
Concen: 0.234 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

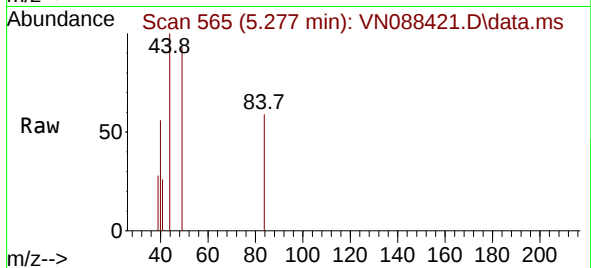
Tgt Ion: 43 Resp: 810
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#



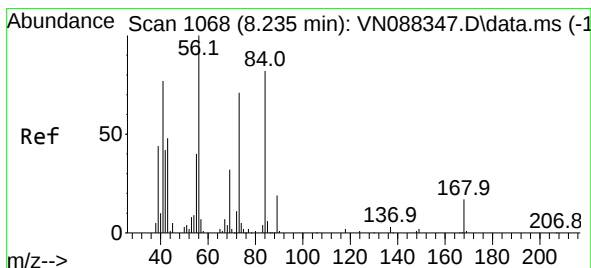
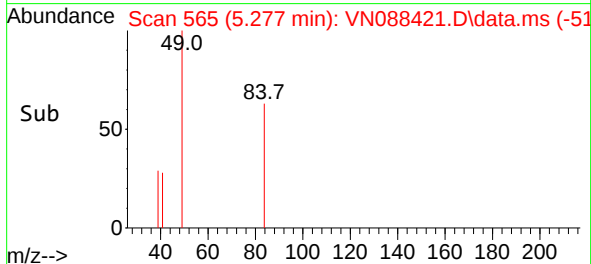
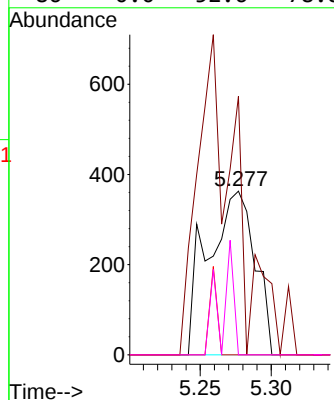


#20
Methylene Chloride
Concen: 0.336 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

Instrument :
MSVOA_N
ClientSampleId :
IBLK

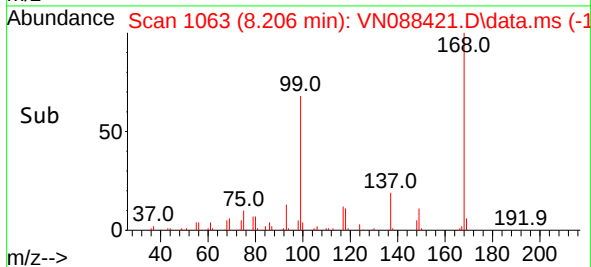
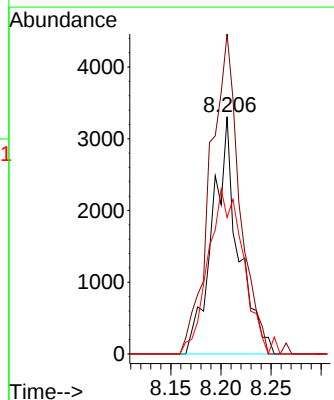
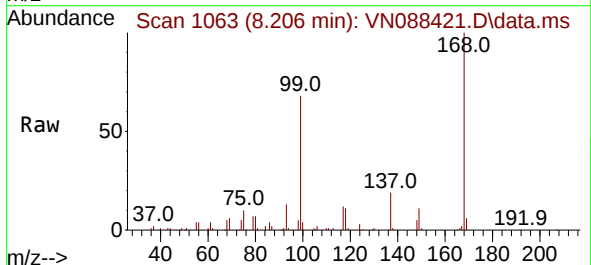


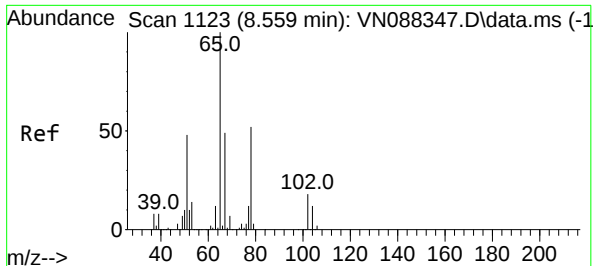
Tgt Ion: 84 Resp: 837
Ion Ratio Lower Upper
84 100
49 157.9 110.2 165.2
51 0.0 34.1 51.1#
86 0.0 52.6 78.8#



#31
Cyclohexane
Concen: 1.406 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

Tgt Ion: 56 Resp: 5956
Ion Ratio Lower Upper
56 100
69 134.9 25.3 37.9#
84 57.5 65.4 98.2#





#33

1,2-Dichloroethane-d4

Concen: 57.750 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088421.D

Acq: 03 Dec 2025 12:31

Instrument :

MSVOA_N

ClientSampleId :

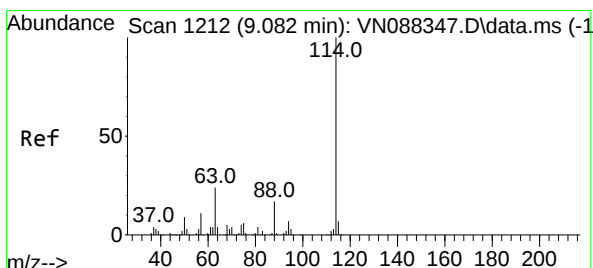
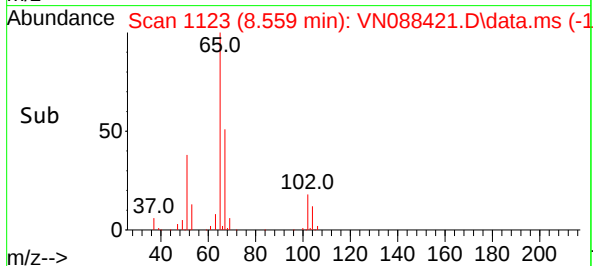
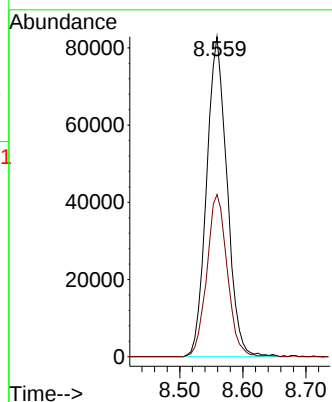
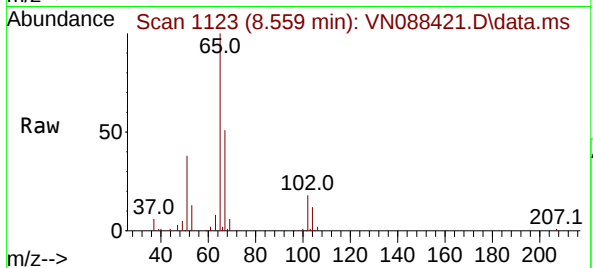
IBLK

Tgt Ion: 65 Resp: 186044

Ion Ratio Lower Upper

65 100

67 50.6 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: VN088421.D

Acq: 03 Dec 2025 12:31

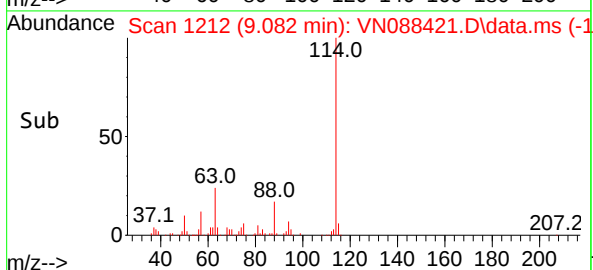
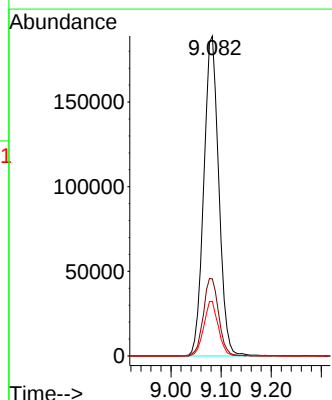
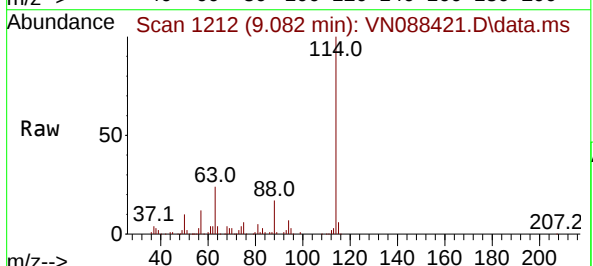
Tgt Ion: 114 Resp: 392624

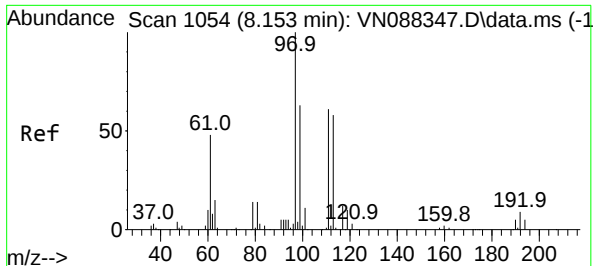
Ion Ratio Lower Upper

114 100

63 24.1 0.0 49.0

88 17.1 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.981 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088421.D

Acq: 03 Dec 2025 12:31

Instrument :

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IBLK

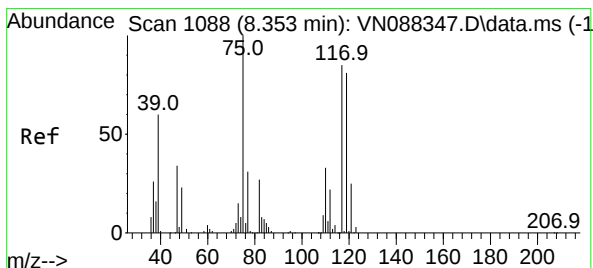
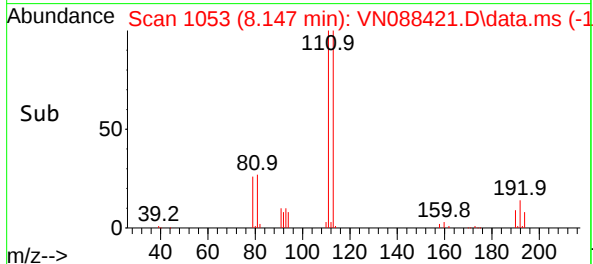
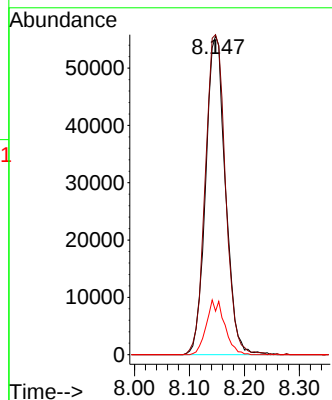
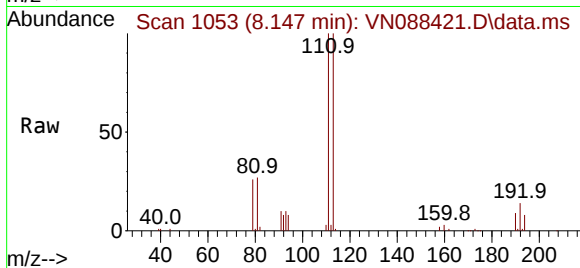
Tgt Ion:113 Resp: 138712

Ion Ratio Lower Upper

113 100

111 102.6 82.5 123.7

192 15.9 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.294 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088421.D

Acq: 03 Dec 2025 12:31

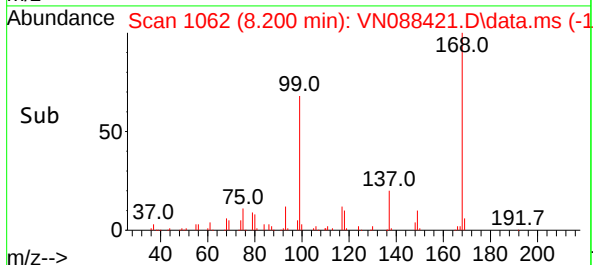
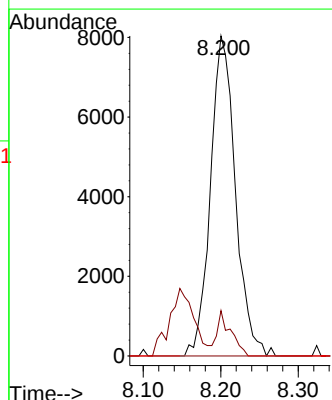
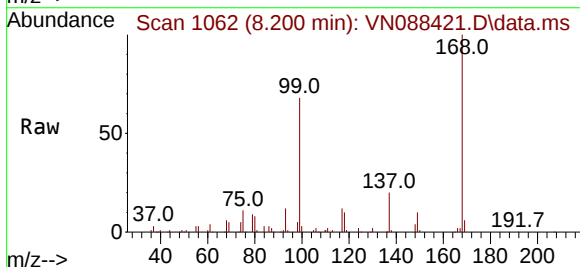
Tgt Ion: 75 Resp: 18033

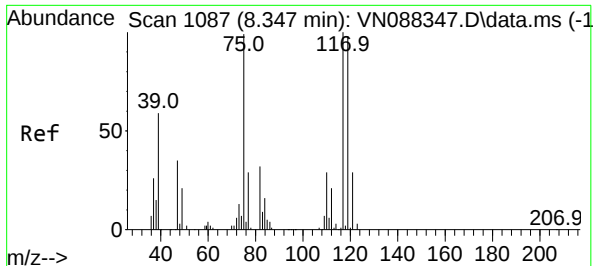
Ion Ratio Lower Upper

75 100

110 7.6 15.8 47.4#

77 0.0 24.2 36.2#

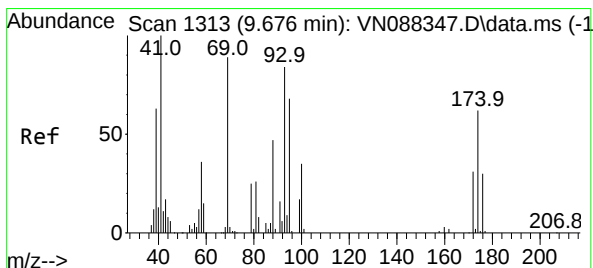
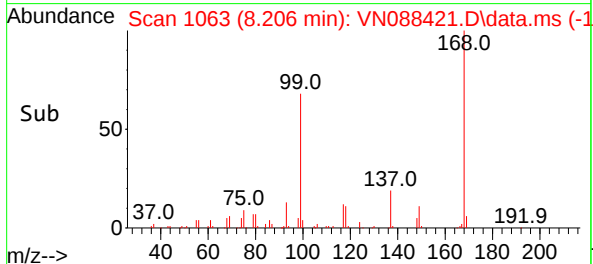
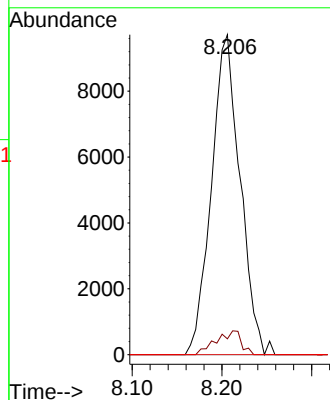
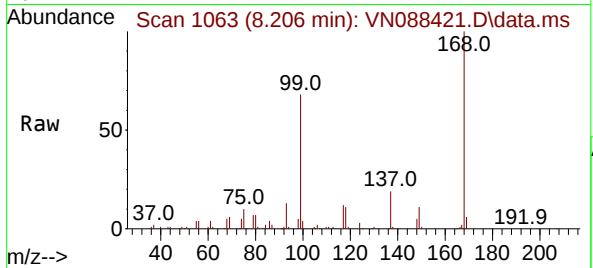




#38
Carbon Tetrachloride
Concen: 5.153 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.141 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

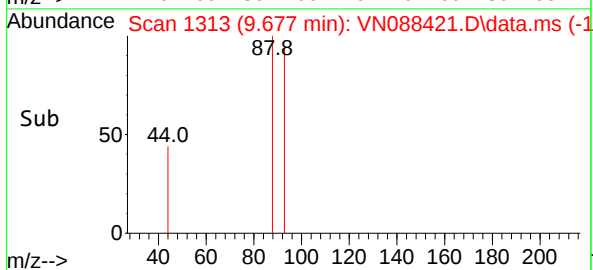
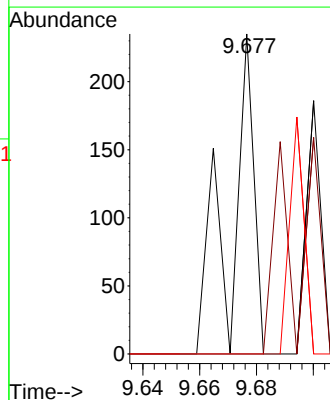
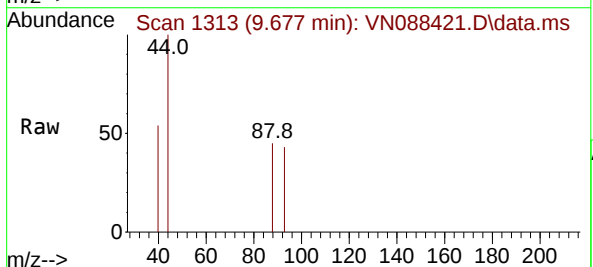
Instrument :
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IBLK

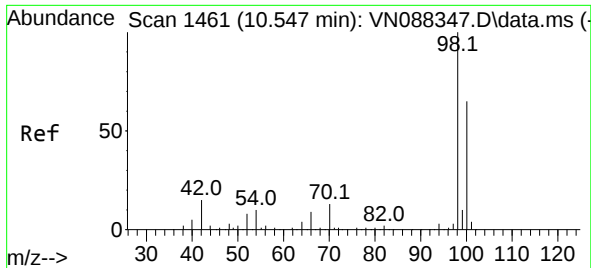
Tgt Ion: 117 Resp: 21541
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.4#
121 0.0 23.4 35.2#



#49
1,4-Dioxane
Concen: 2.778 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

Tgt Ion: 88 Resp: 136
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 62.0 93.0#

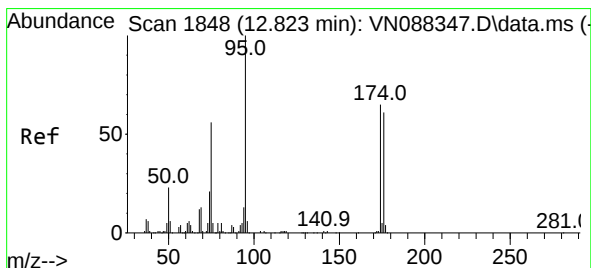
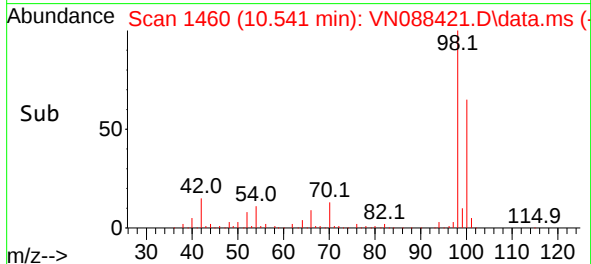
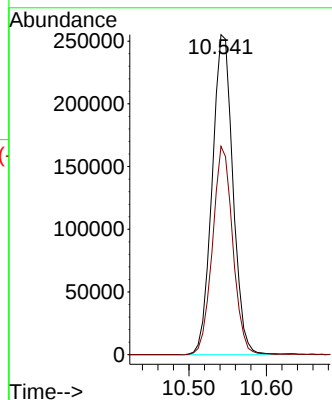
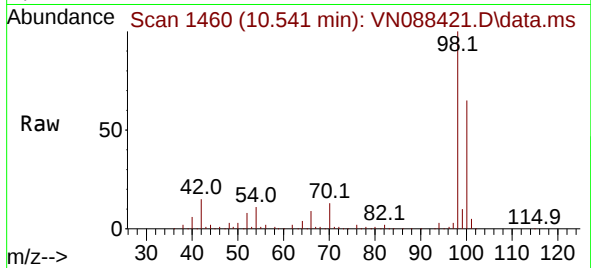




#50
Toluene-d8
Concen: 46.877 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

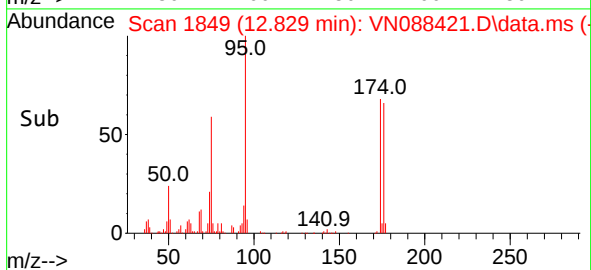
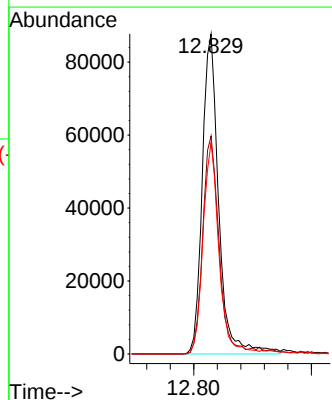
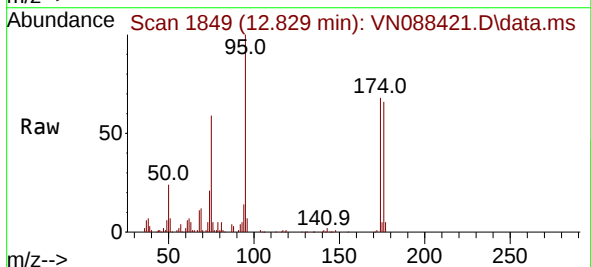
Instrument :
MSVOA_N
ClientSampleId :
IBLK

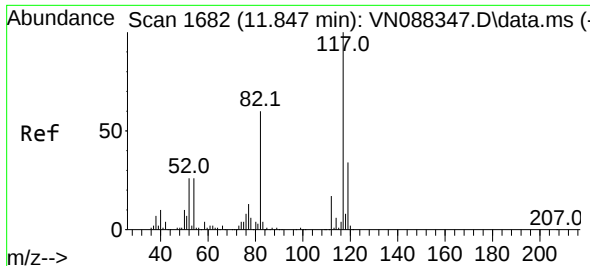
Tgt Ion: 98 Resp: 474572
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 48.920 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

Tgt Ion: 95 Resp: 169931
Ion Ratio Lower Upper
95 100
174 67.0 0.0 139.0
176 63.8 0.0 132.4

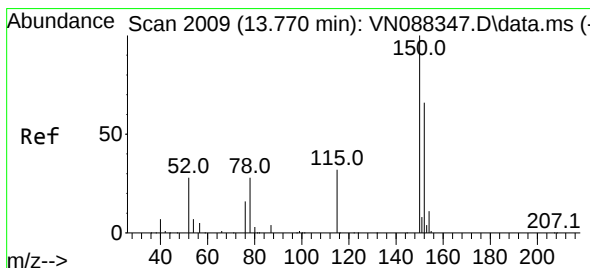
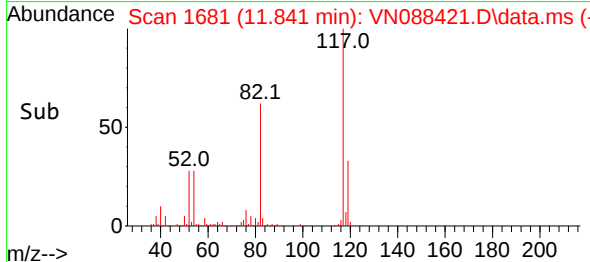
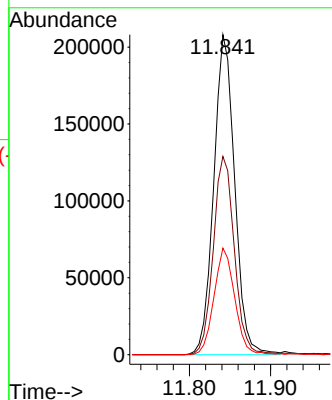
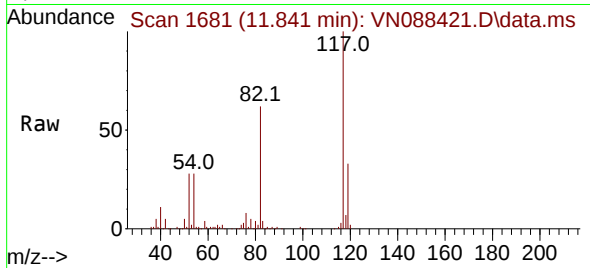




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

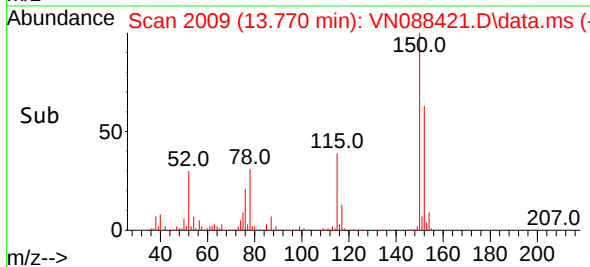
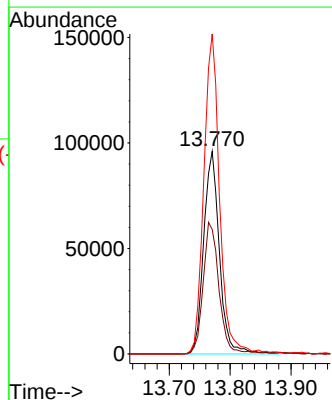
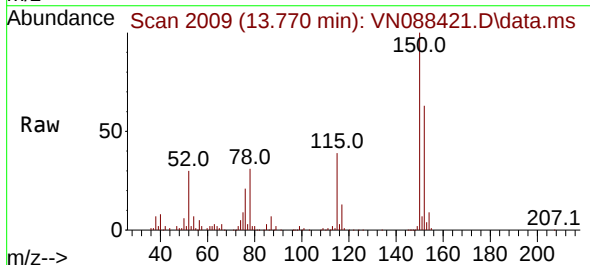
Instrument :
MSVOA_N
ClientSampleId :
IBLK

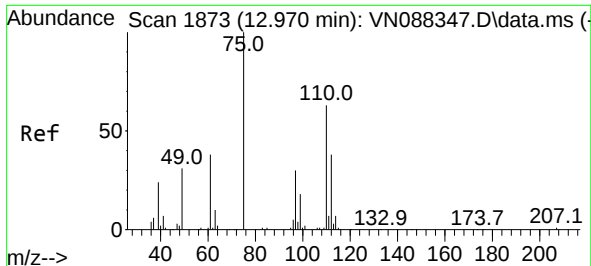
Tgt Ion:117 Resp: 373269
Ion Ratio Lower Upper
117 100
82 62.0 47.8 71.8
119 33.3 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

Tgt Ion:152 Resp: 172595
Ion Ratio Lower Upper
152 100
115 65.3 33.0 98.9
150 158.6 0.0 349.0

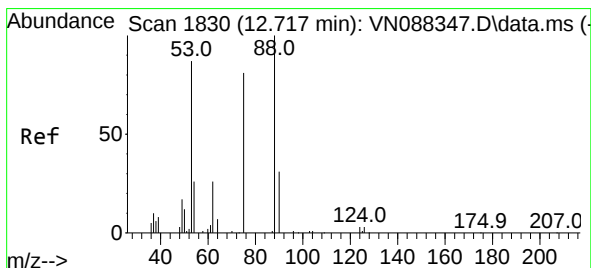
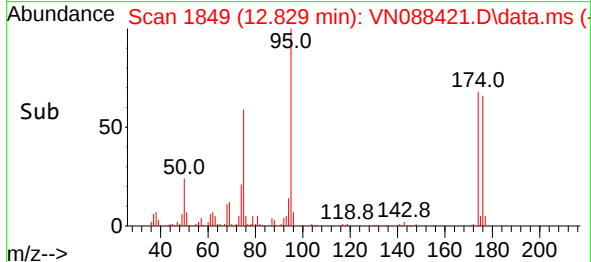
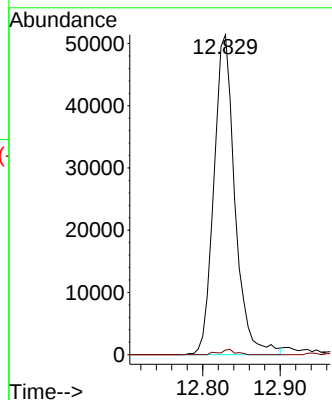
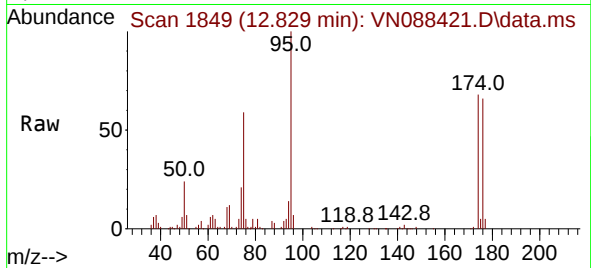




#76
1,2,3-Trichloropropane
Concen: 24.031 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

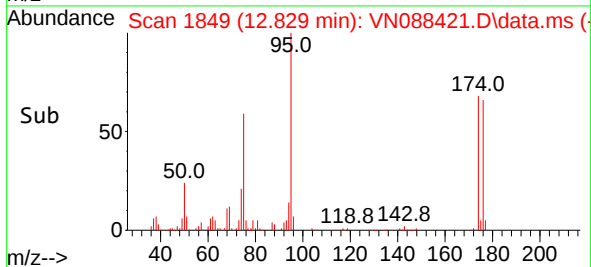
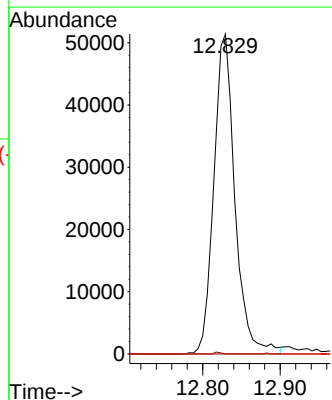
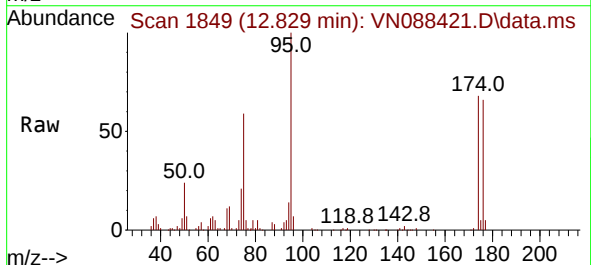
Instrument :
MSVOA_N
ClientSampleId :
IBLK

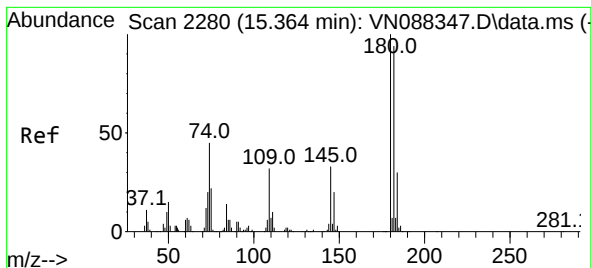
Tgt Ion: 75 Resp: 97145
Ion Ratio Lower Upper
75 100
77 1.2 87.2 261.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.175 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

Tgt Ion: 75 Resp: 97145
Ion Ratio Lower Upper
75 100
53 0.2 92.2 138.4#
89 0.0 0.0 0.0





#93

1,2,4-Trichlorobenzene

Concen: 0.219 ug/l

RT: 15.376 min Scan# 2280

Delta R.T. 0.012 min

Lab File: VN088421.D

Acq: 03 Dec 2025 12:31

Instrument :

MSVOA_N

ClientSampleId :

IBLK

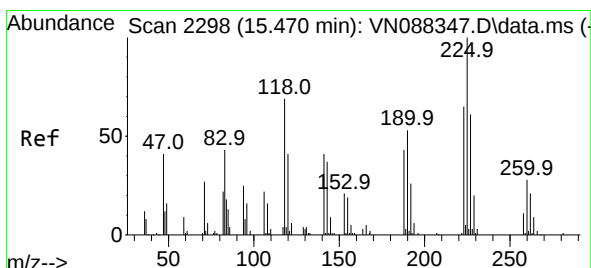
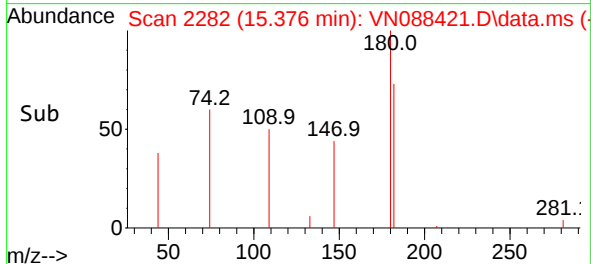
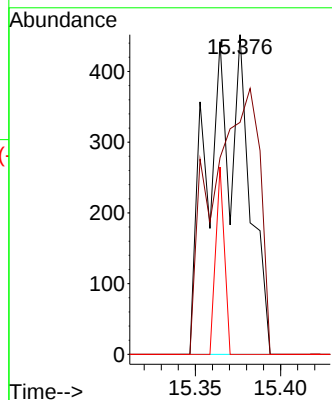
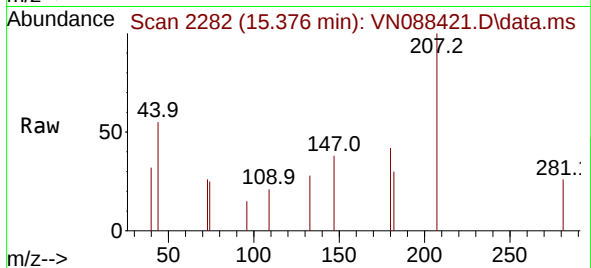
Tgt Ion:180 Resp: 696

Ion Ratio Lower Upper

180 100

182 104.0 46.1 138.2

145 13.5 16.7 50.1#



#94

Hexachlorobutadiene

Concen: 0.861 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. 0.006 min

Lab File: VN088421.D

Acq: 03 Dec 2025 12:31

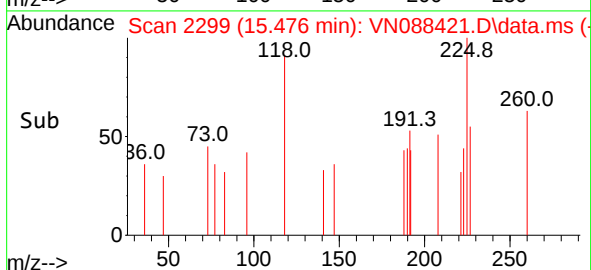
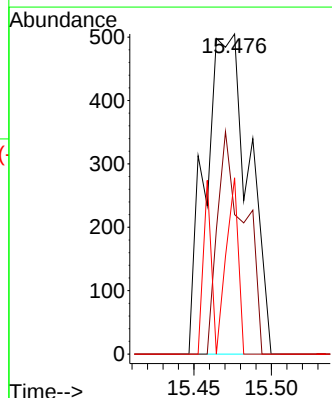
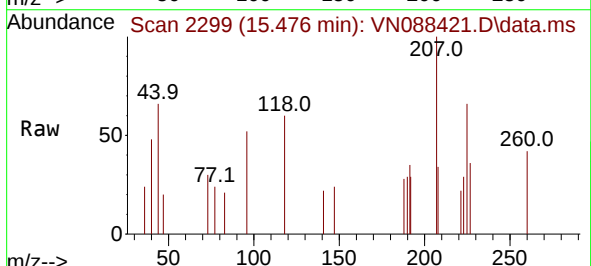
Tgt Ion:225 Resp: 983

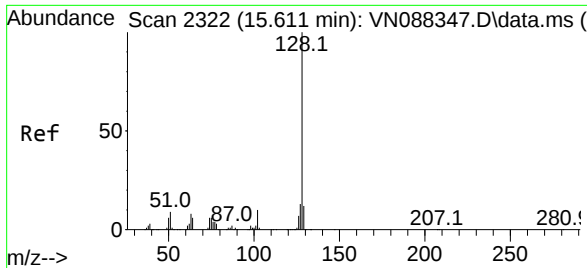
Ion Ratio Lower Upper

225 100

223 43.1 32.3 96.8

227 15.5 29.9 89.8#

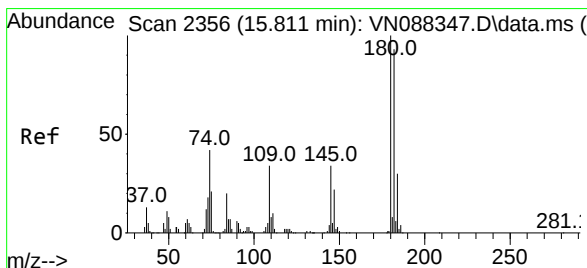
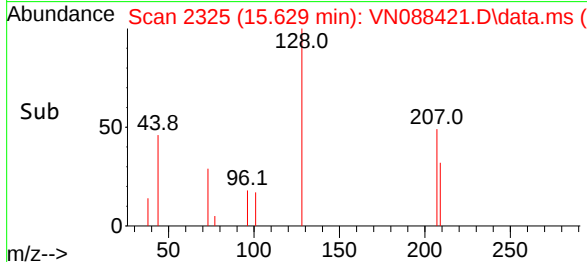
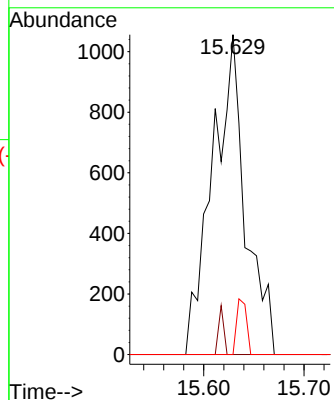
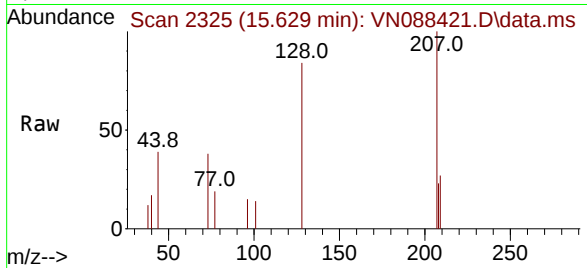




#95
Naphthalene
Concen: 0.220 ug/l
RT: 15.629 min Scan# 2325
Delta R.T. 0.018 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 2422
Ion Ratio Lower Upper
128 100
127 2.4 10.4 15.6#
129 5.1 9.0 13.6#



#96
1,2,3-Trichlorobenzene
Concen: 0.316 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

Tgt Ion:180 Resp: 978
Ion Ratio Lower Upper
180 100
182 87.1 45.9 137.7
145 11.7 17.8 53.4#

