

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088455.D
 Acq On : 04 Dec 2025 18:31
 Operator : JC\MD
 Sample : Q3757-09 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OW-05B-72-120325

Quant Time: Dec 05 00:19:53 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)

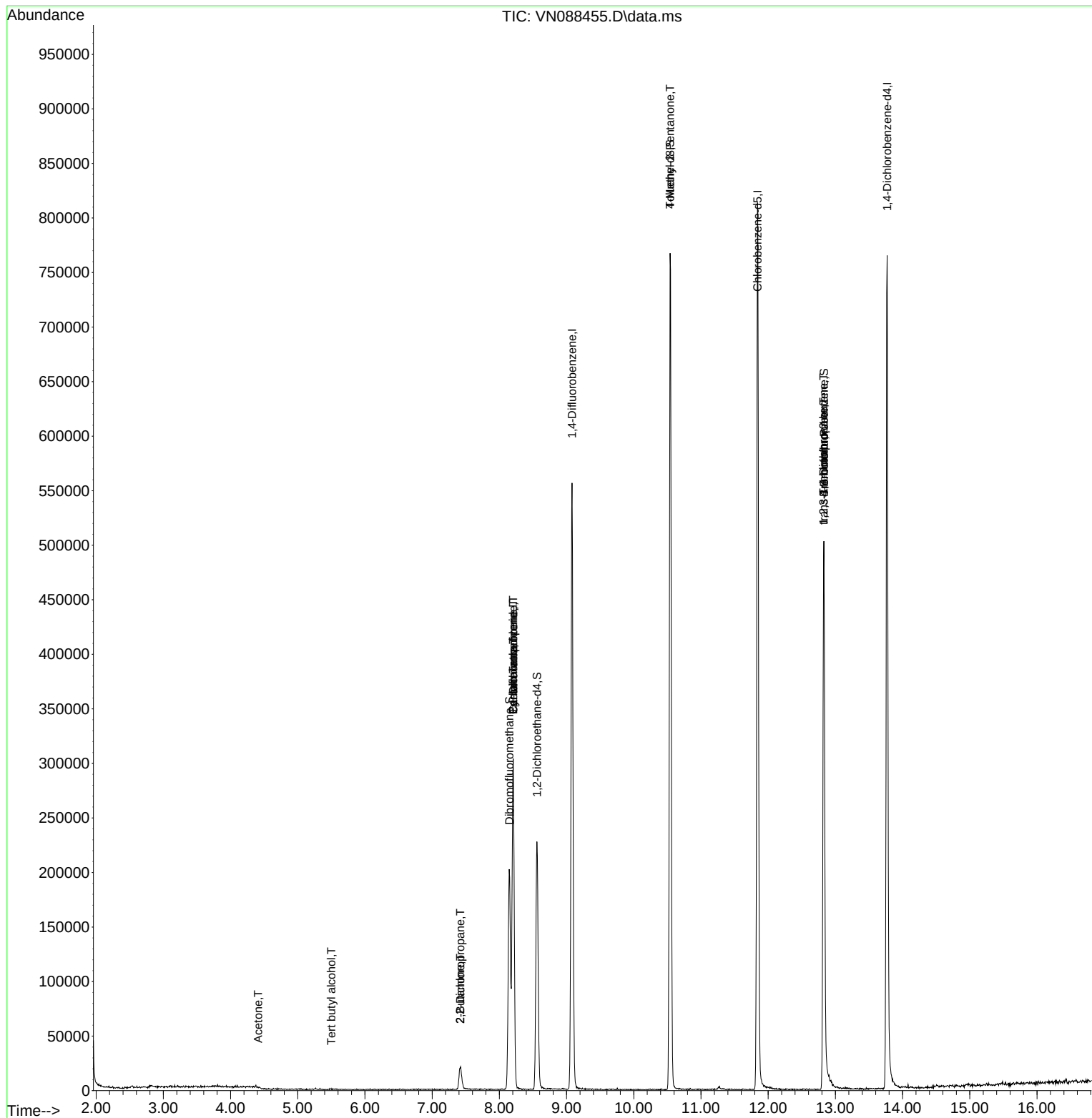
Internal Standards						
1) Pentafluorobenzene	8.206	168	191523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	444923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	435700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	202473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	203059	56.282	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.560%			
35) Dibromofluoromethane	8.147	113	142965	46.368	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.740%			
50) Toluene-d8	10.541	98	508334	44.310	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.620%			
62) 4-Bromofluorobenzene	12.829	95	193168	49.073	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.140%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.500	59	127	0.220	ug/l #	72
16) Acetone	4.412	43	671	0.514	ug/l #	48
25) 2-Butanone	7.418	43	1598	0.762	ug/l #	49
26) 2,2-Dichloropropane	7.418	77	1413	0.313	ug/l #	56
31) Cyclohexane	8.206	56	6694	1.411	ug/l #	40
36) 1,1-Dichloropropene	8.206	75	20873	4.386	ug/l #	53
38) Carbon Tetrachloride	8.206	117	23965	5.059	ug/l #	16
51) 4-Methyl-2-Pentanone	10.541	43	2915	0.517	ug/l #	1
71) Bromoform	12.829	173	1169	0.484	ug/l #	1
76) 1,2,3-Trichloropropane	12.823	75	113816	24.000	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	113816	68.087	ug/l #	1

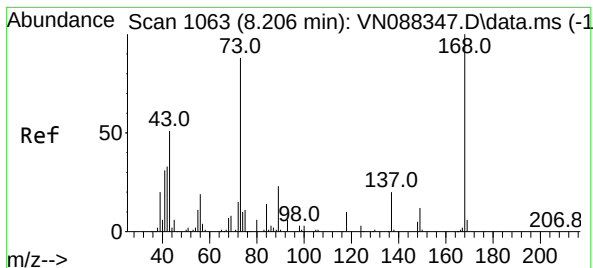
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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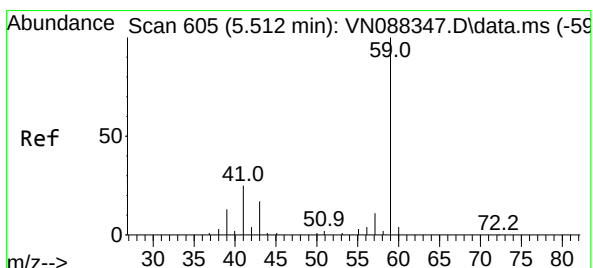
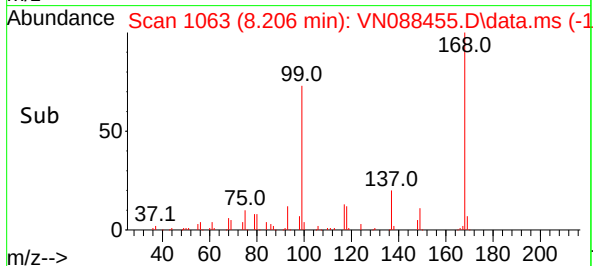
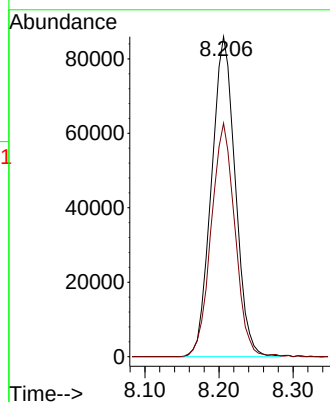
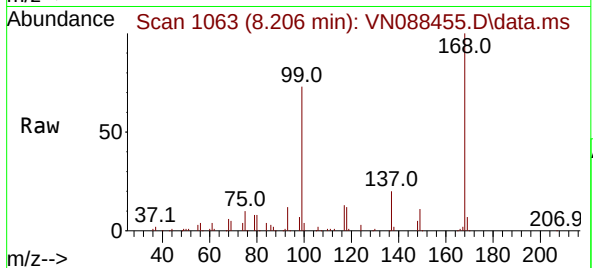




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088455.D
Acq: 04 Dec 2025 18:31

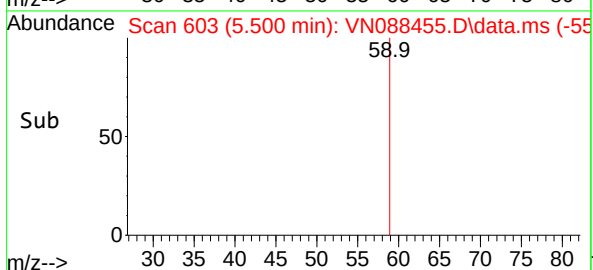
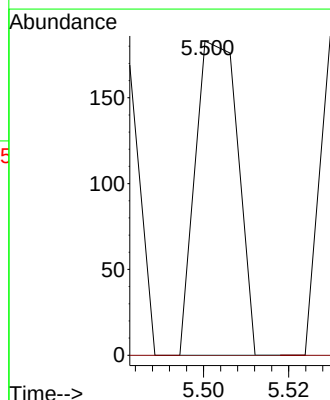
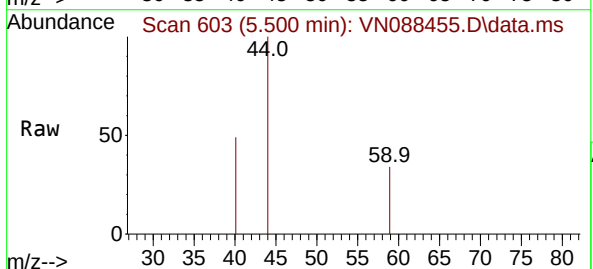
Instrument :
MSVOA_N
ClientSampleId :
OW-05B-72-120325

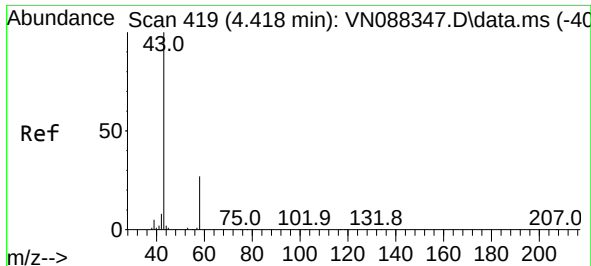
Tgt Ion:168 Resp: 191523
Ion Ratio Lower Upper
168 100
99 72.9 57.1 85.7



#11
Tert butyl alcohol
Concen: 0.220 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.012 min
Lab File: VN088455.D
Acq: 04 Dec 2025 18:31

Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

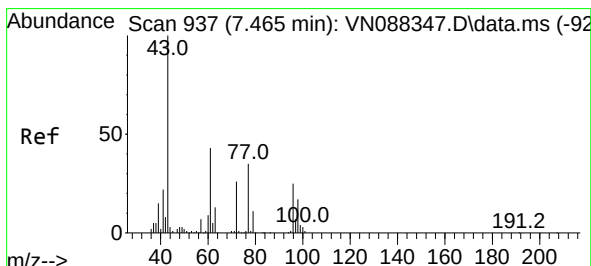
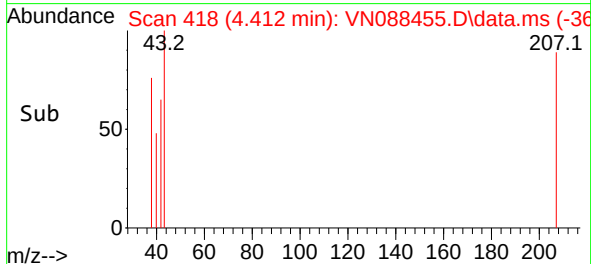
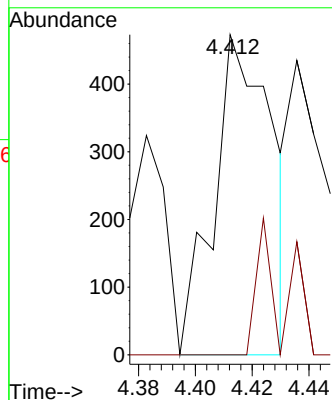
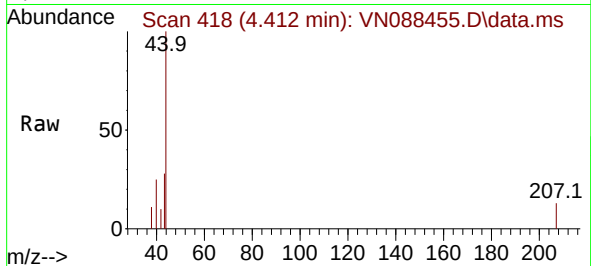




#16
Acetone
Concen: 0.514 ug/l
RT: 4.412 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN088455.D
Acq: 04 Dec 2025 18:31

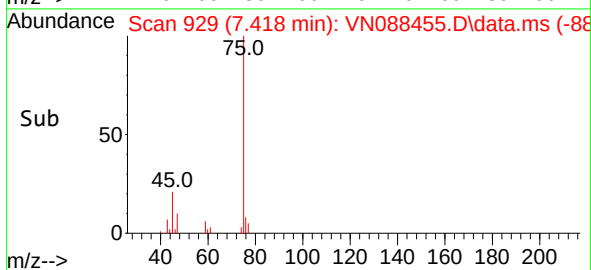
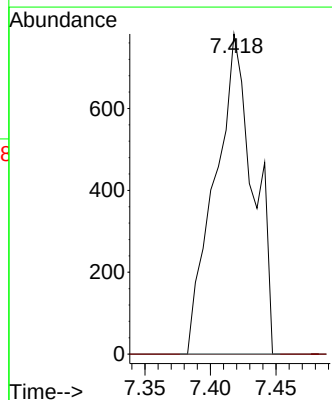
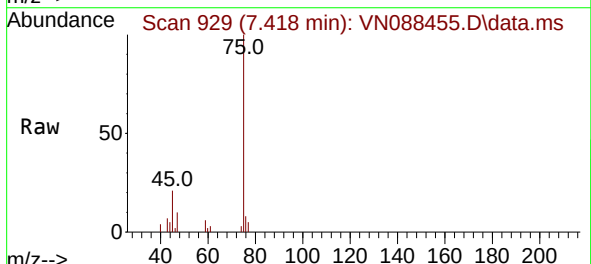
Instrument :
MSVOA_N
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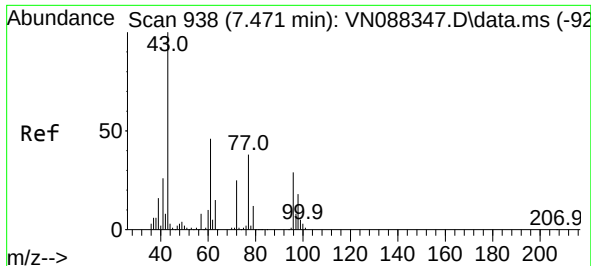
Tgt Ion: 43 Resp: 671
Ion Ratio Lower Upper
43 100
58 0.0 21.7 32.5#



#25
2-Butanone
Concen: 0.762 ug/l
RT: 7.418 min Scan# 929
Delta R.T. -0.047 min
Lab File: VN088455.D
Acq: 04 Dec 2025 18:31

Tgt Ion: 43 Resp: 1598
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

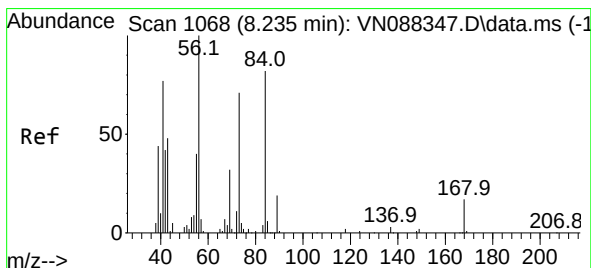
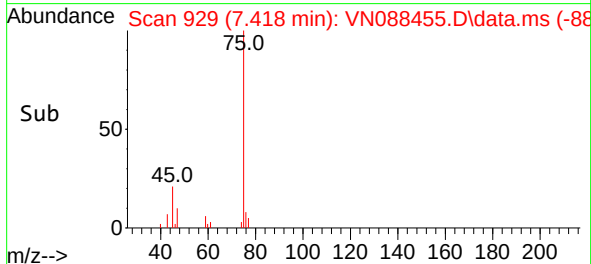
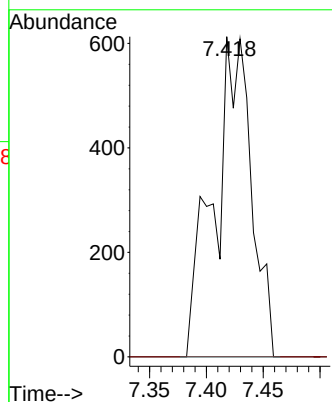
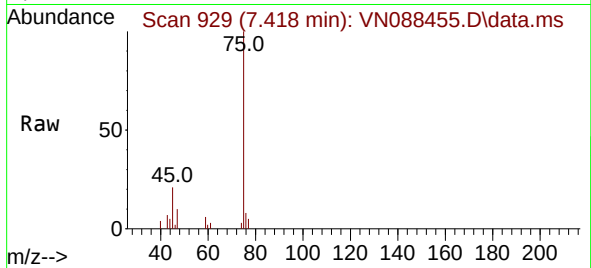




#26
2,2-Dichloropropane
Concen: 0.313 ug/l
RT: 7.418 min Scan# 91
Delta R.T. -0.053 min
Lab File: VN088455.D
Acq: 04 Dec 2025 18:31

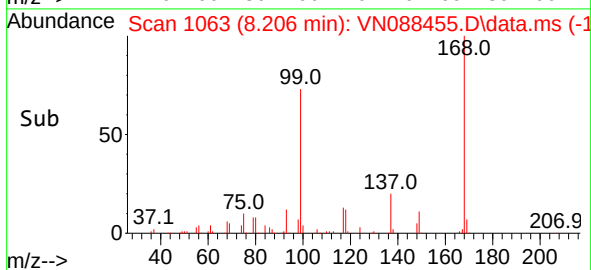
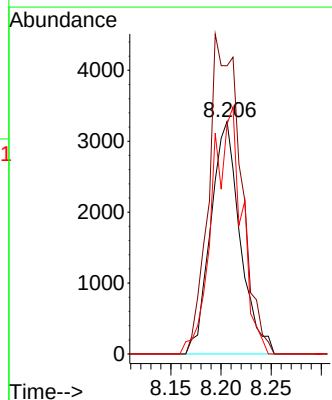
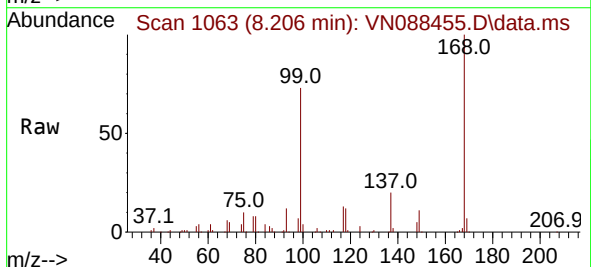
Instrument :
MSVOA_N
ClientSampleId :
OW-05B-72-120325

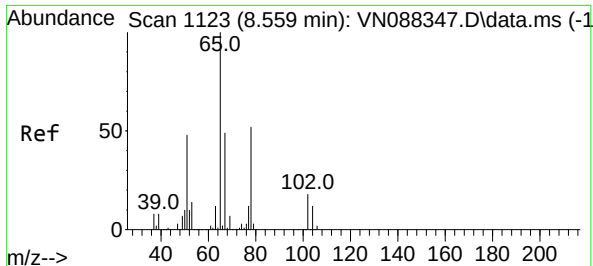
Tgt Ion: 77 Resp: 1413
Ion Ratio Lower Upper
77 100
97 0.0 10.3 30.9#



#31
Cyclohexane
Concen: 1.411 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088455.D
Acq: 04 Dec 2025 18:31

Tgt Ion: 56 Resp: 6694
Ion Ratio Lower Upper
56 100
69 123.9 25.3 37.9#
84 98.8 65.4 98.2#





#33

1,2-Dichloroethane-d4

Concen: 56.282 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088455.D

Acq: 04 Dec 2025 18:31

Instrument :

MSVOA_N

ClientSampleId :

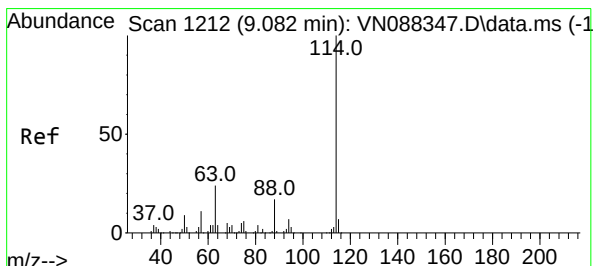
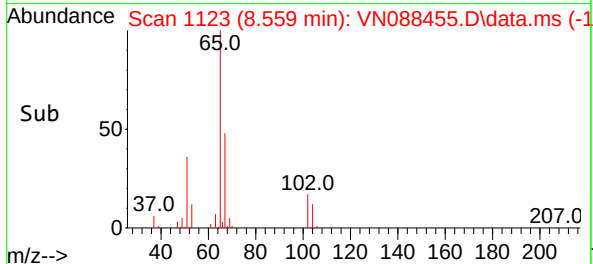
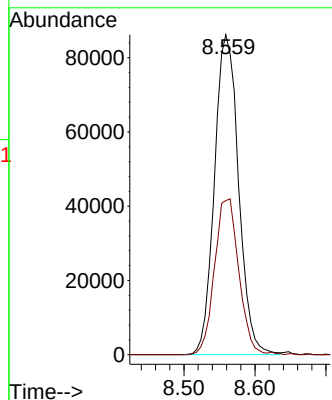
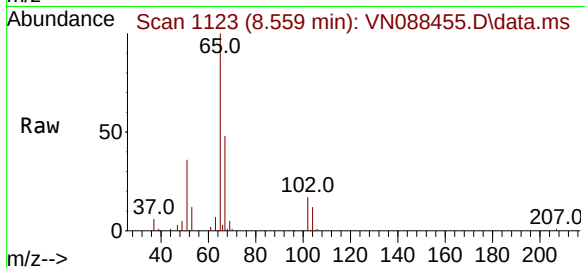
OW-05B-72-120325

Tgt Ion: 65 Resp: 203059

Ion Ratio Lower Upper

65 100

67 49.2 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: VN088455.D

Acq: 04 Dec 2025 18:31

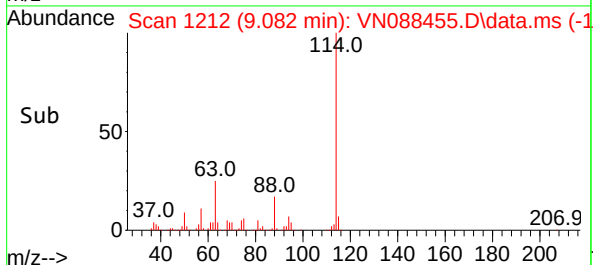
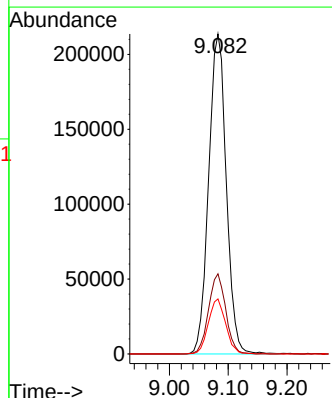
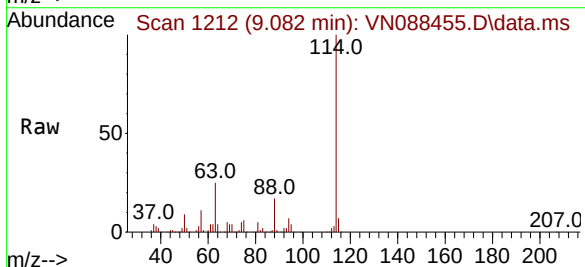
Tgt Ion: 114 Resp: 444923

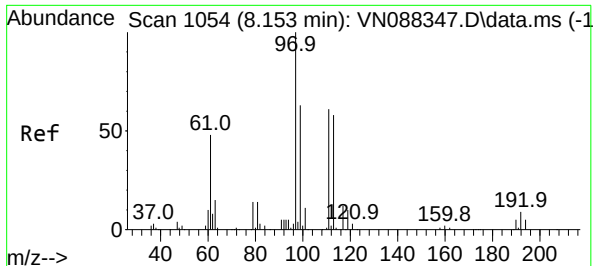
Ion Ratio Lower Upper

114 100

63 25.0 0.0 49.0

88 17.2 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.368 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088455.D

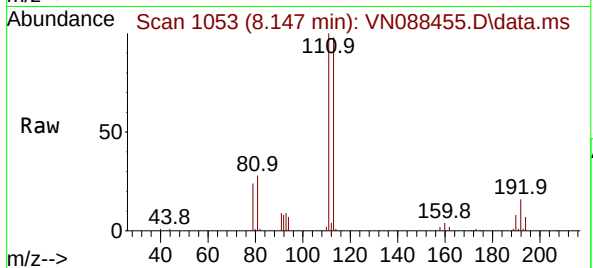
Acq: 04 Dec 2025 18:31

Instrument :

MSVOA_N

ClientSampleId :

OW-05B-72-120325



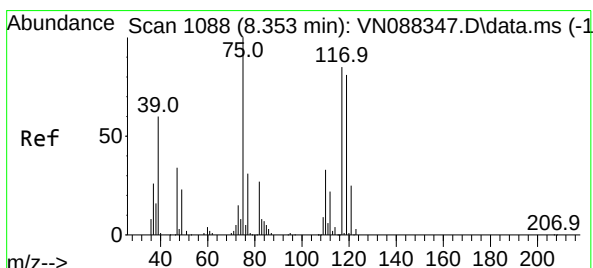
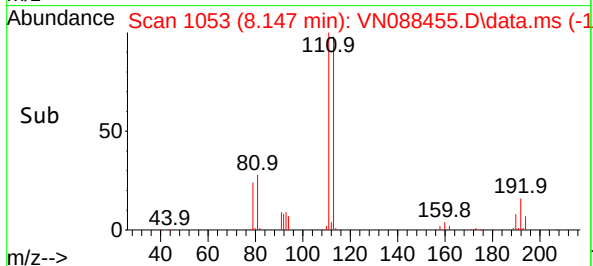
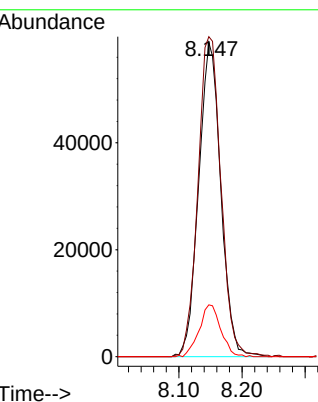
Tgt Ion:113 Resp: 142965

Ion Ratio Lower Upper

113 100

111 105.5 82.5 123.7

192 16.1 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.386 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088455.D

Acq: 04 Dec 2025 18:31

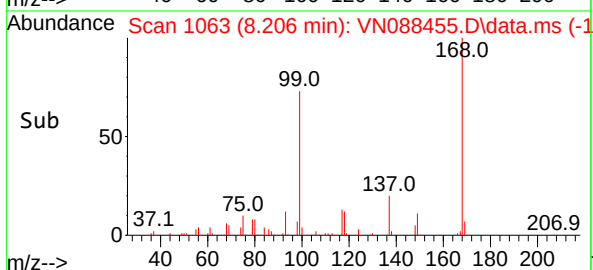
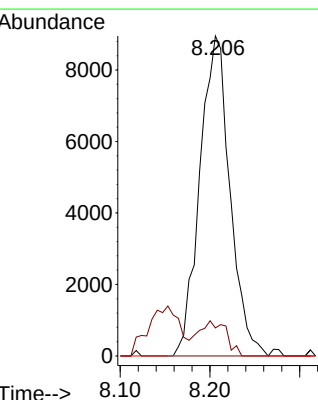
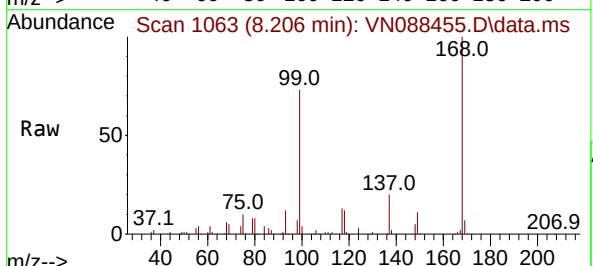
Tgt Ion: 75 Resp: 20873

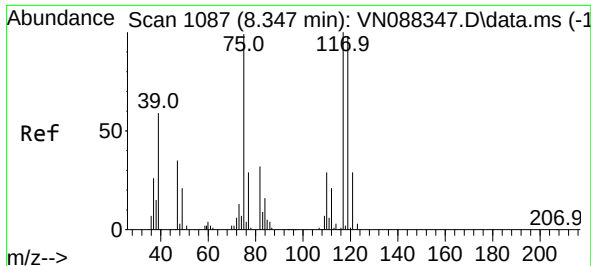
Ion Ratio Lower Upper

75 100

110 10.1 15.8 47.4#

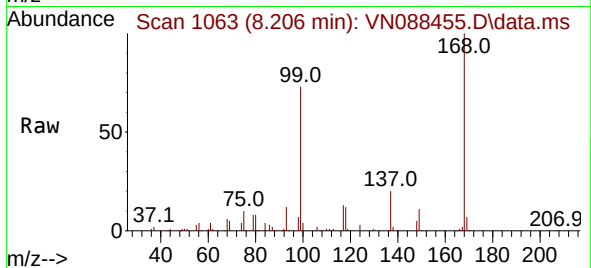
77 0.0 24.2 36.2#



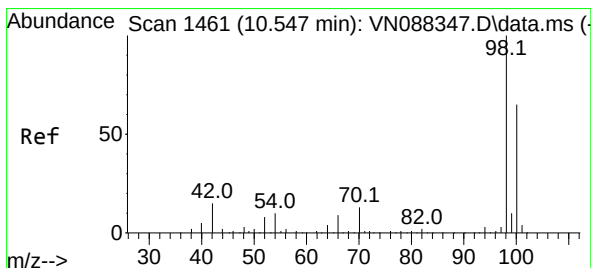
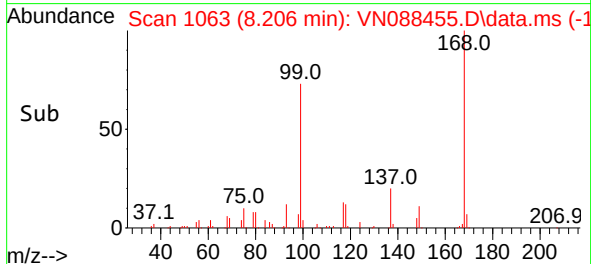
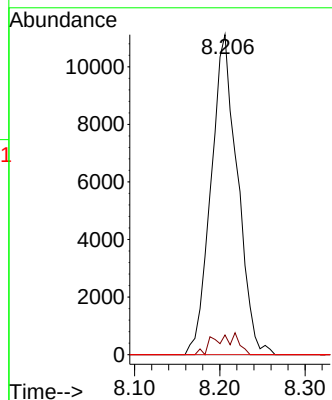


#38
Carbon Tetrachloride
Concen: 5.059 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.141 min
Lab File: VN088455.D
Acq: 04 Dec 2025 18:31

Instrument :
MSVOA_N
ClientSampleId :
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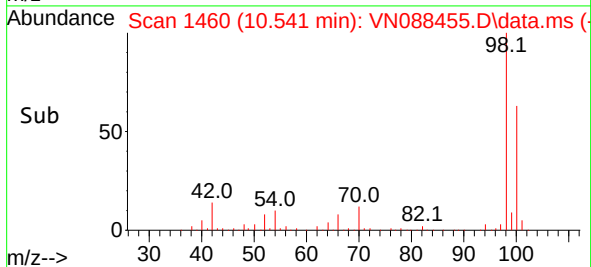
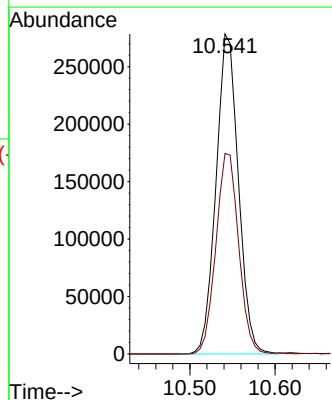
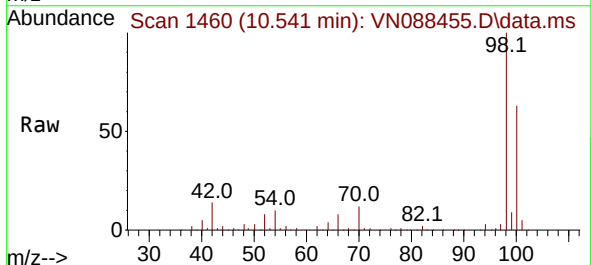


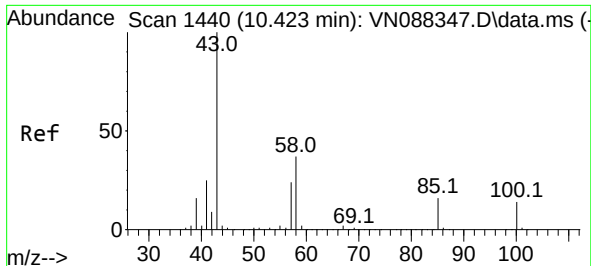
Tgt Ion:117 Resp: 23965
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.4#
121 0.0 23.4 35.2#



#50
Toluene-d8
Concen: 44.310 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088455.D
Acq: 04 Dec 2025 18:31

Tgt Ion: 98 Resp: 508334
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2

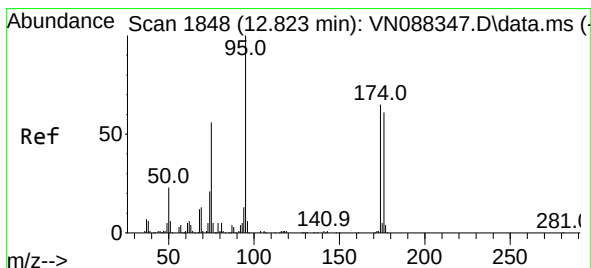
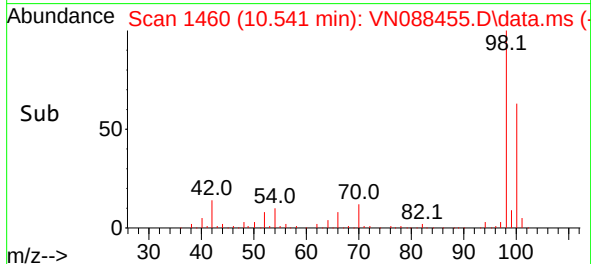
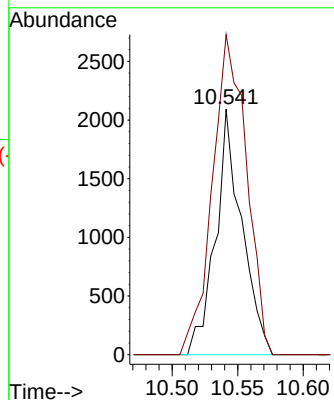
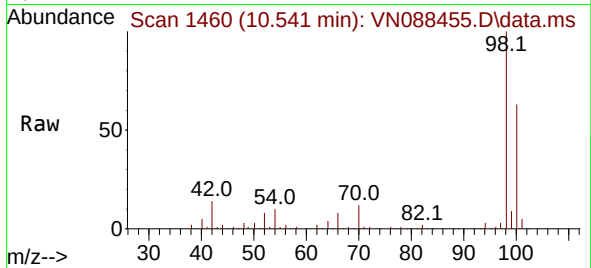




#51
4-Methyl-2-Pentanone
Concen: 0.517 ug/l
RT: 10.541 min Scan# 1440
Delta R.T. 0.118 min
Lab File: VN088455.D
Acq: 04 Dec 2025 18:31

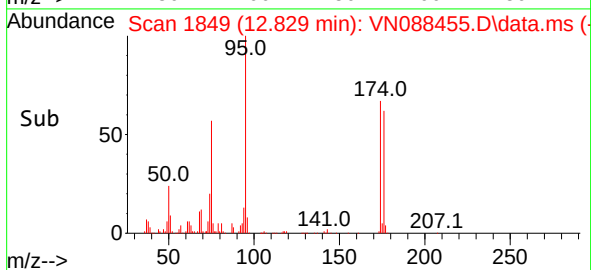
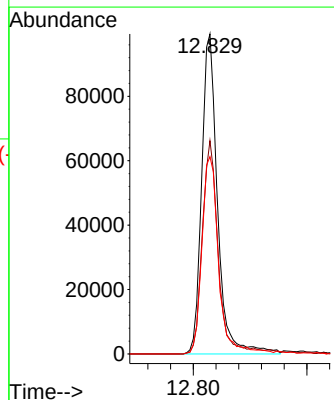
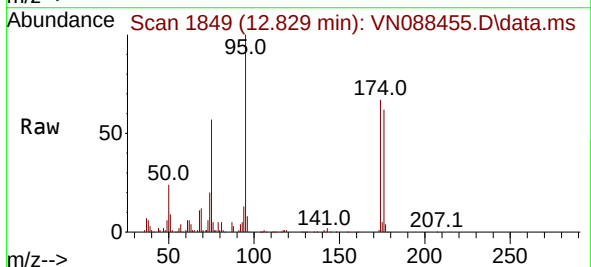
Instrument :
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OW-05B-72-120325

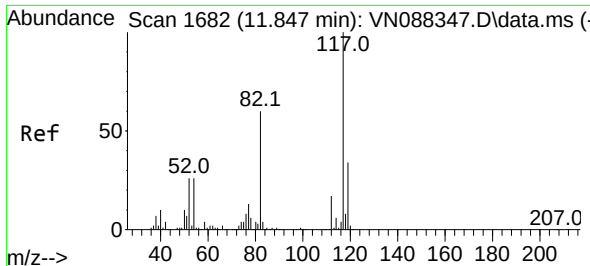
Tgt Ion: 43 Resp: 2915
Ion Ratio Lower Upper
43 100
58 169.4 29.1 43.7#



#62
4-Bromofluorobenzene
Concen: 49.073 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088455.D
Acq: 04 Dec 2025 18:31

Tgt Ion: 95 Resp: 193168
Ion Ratio Lower Upper
95 100
174 66.3 0.0 139.0
176 64.8 0.0 132.4

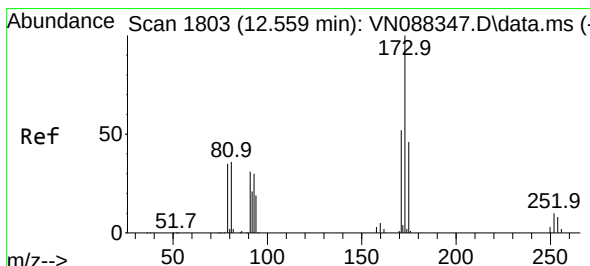
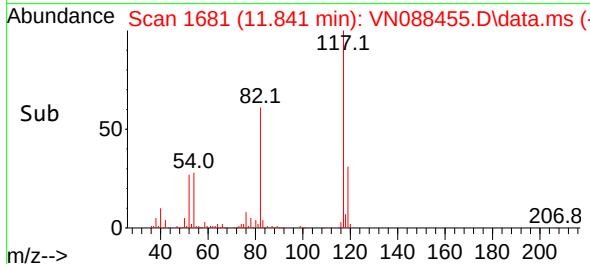
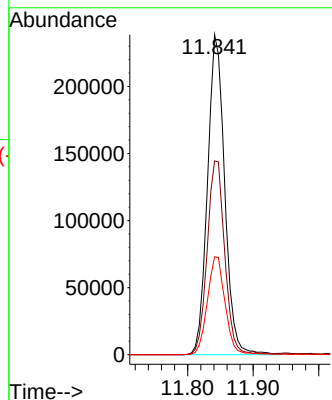
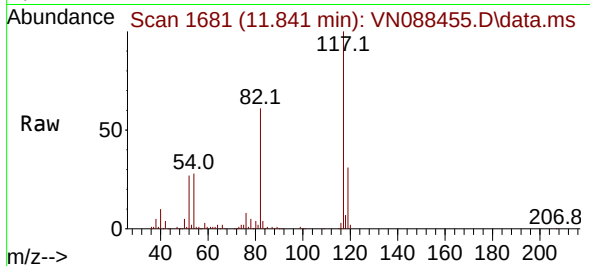




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088455.D
Acq: 04 Dec 2025 18:31

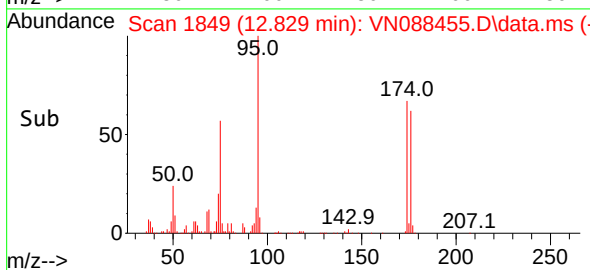
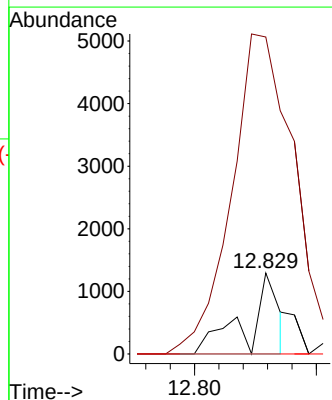
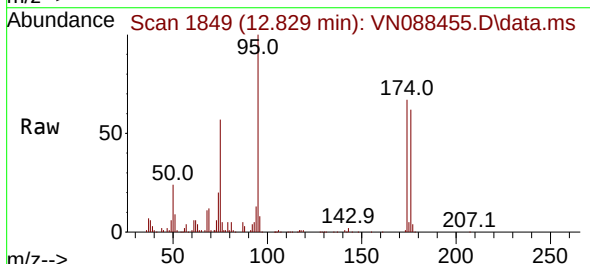
Instrument :
MSVOA_N
ClientSampleId :
OW-05B-72-120325

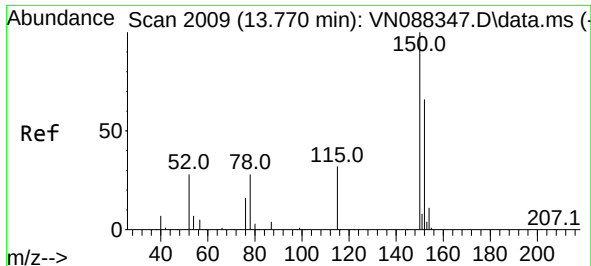
Tgt Ion:117 Resp: 435700
Ion Ratio Lower Upper
117 100
82 60.6 47.8 71.8
119 30.6 26.9 40.3



#71
Bromoform
Concen: 0.484 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.271 min
Lab File: VN088455.D
Acq: 04 Dec 2025 18:31

Tgt Ion:173 Resp: 1169
Ion Ratio Lower Upper
173 100
175 610.1 23.9 71.8#
254 0.0 0.1 0.1#

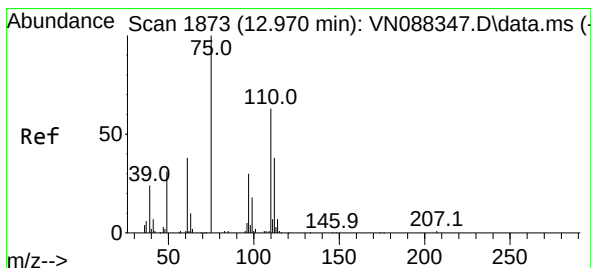
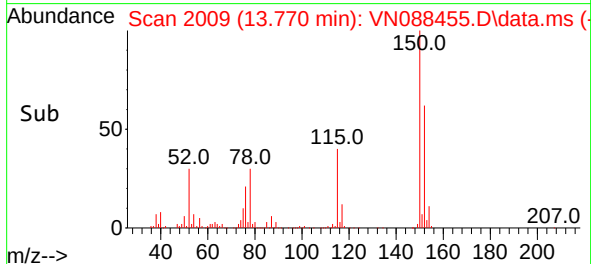
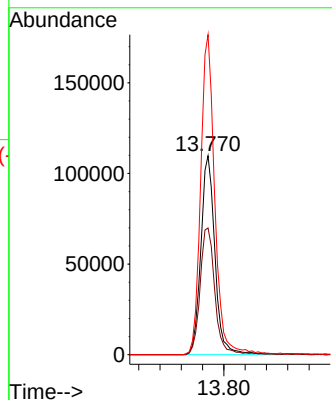
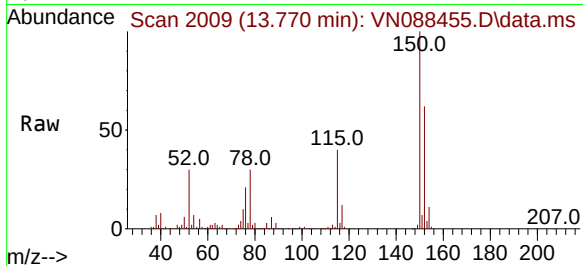




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088455.D
 Acq: 04 Dec 2025 18:31

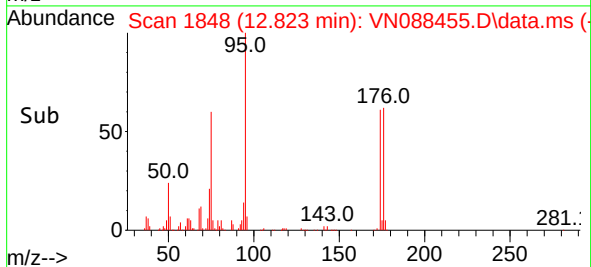
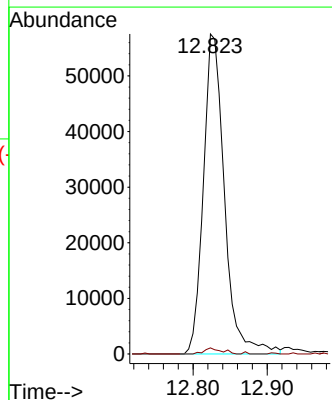
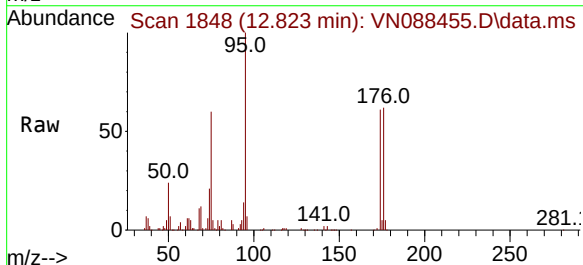
Instrument :
 MSVOA_N
 ClientSampleId :
 OW-05B-72-120325

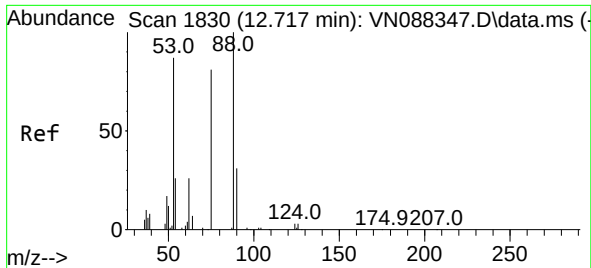
Tgt Ion:152 Resp: 202473
 Ion Ratio Lower Upper
 152 100
 115 66.7 33.0 98.9
 150 160.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.000 ug/l
 RT: 12.823 min Scan# 1848
 Delta R.T. -0.147 min
 Lab File: VN088455.D
 Acq: 04 Dec 2025 18:31

Tgt Ion: 75 Resp: 113816
 Ion Ratio Lower Upper
 75 100
 77 1.5 87.2 261.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 68.087 ug/l
RT: 12.823 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN088455.D
Acq: 04 Dec 2025 18:31

Instrument :
MSVOA_N
ClientSampleId :
OW-05B-72-120325

Tgt Ion: 75 Resp: 113816
Ion Ratio Lower Upper
75 100
53 0.1 92.2 138.4#
89 0.0 0.0 0.0

