

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088387.D
 Acq On : 01 Dec 2025 16:37
 Operator : JC\MD
 Sample : Q3745-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 00:17:11 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)

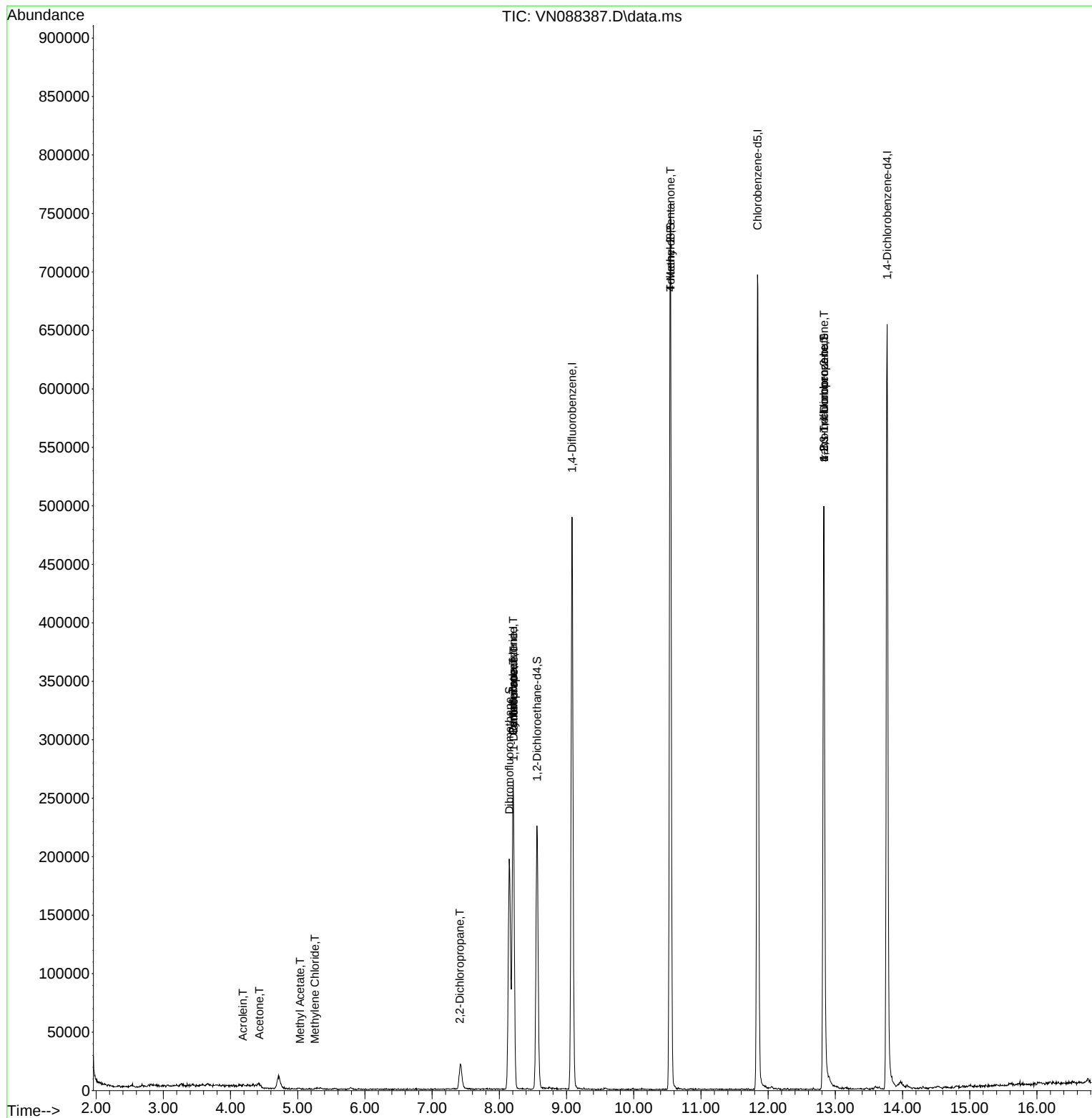
Internal Standards						
1) Pentafluorobenzene	8.206	168	170238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	388742	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	379082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	177360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	189737	59.164	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 118.320%		
35) Dibromofluoromethane	8.147	113	139344	51.724	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.440%		
50) Toluene-d8	10.547	98	503066	50.188	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 100.380%		
62) 4-Bromofluorobenzene	12.829	95	178208	51.815	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 103.640%		
Target Compounds						
					Qvalue	
13) Acrolein	4.183	56	145	0.296	ug/l	90
16) Acetone	4.430	43	5833	5.029	ug/l #	87
18) Methyl Acetate	5.036	43	1232	0.357	ug/l #	53
20) Methylene Chloride	5.253	84	686	0.276	ug/l #	38
26) 2,2-Dichloropropane	7.412	77	1734	0.432	ug/l #	56
31) Cyclohexane	8.206	56	5078	1.204	ug/l #	1
36) 1,1-Dichloropropene	8.212	75	17835	4.290	ug/l #	52
38) Carbon Tetrachloride	8.206	117	19756	4.773	ug/l #	14
51) 4-Methyl-2-Pentanone	10.547	43	3059	0.621	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	107954	25.987	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	107954	73.725	ug/l #	1

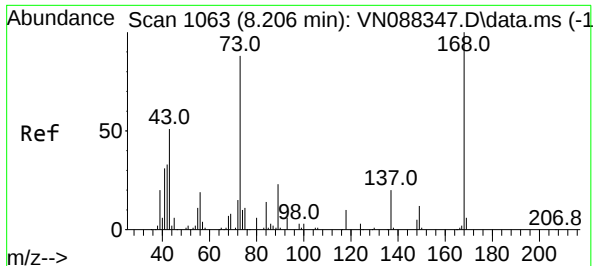
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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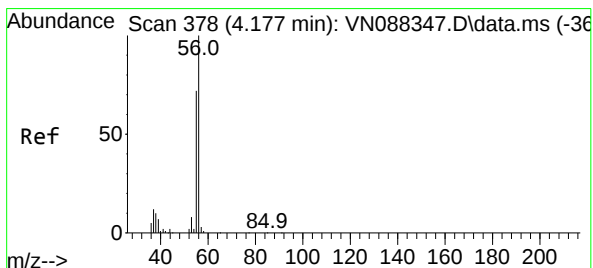
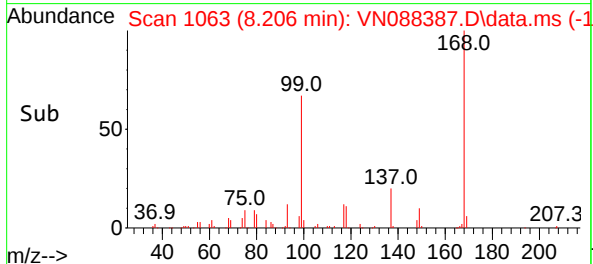
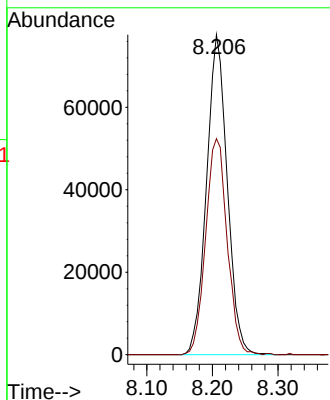
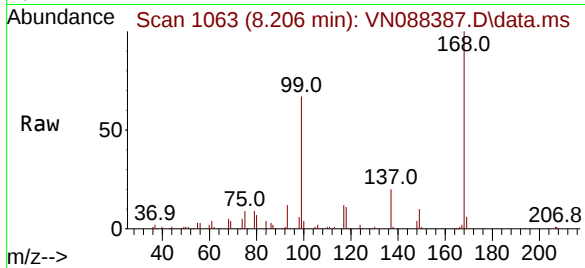




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088387.D
Acq: 01 Dec 2025 16:37

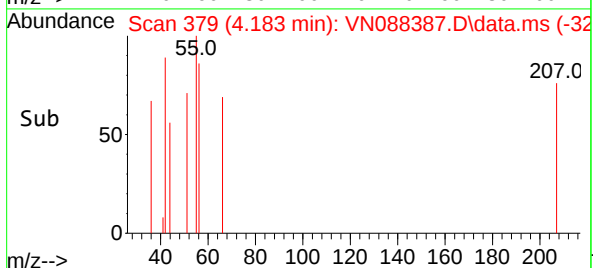
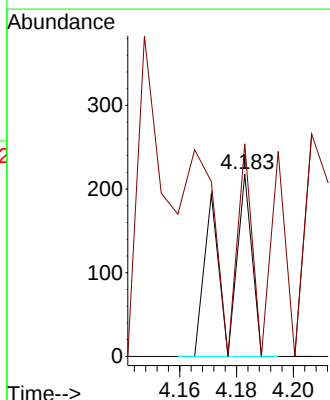
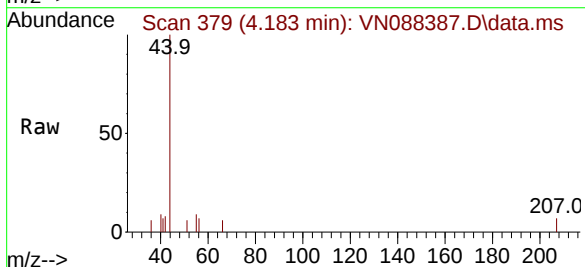
Instrument :
MSVOA_N
ClientSampleId :

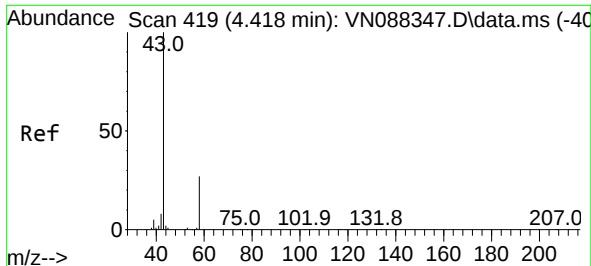
Tgt Ion:168 Resp: 170238
Ion Ratio Lower Upper
168 100
99 67.5 57.1 85.7



#13
Acrolein
Concen: 0.296 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN088387.D
Acq: 01 Dec 2025 16:37

Tgt Ion: 56 Resp: 145
Ion Ratio Lower Upper
56 100
55 62.1 56.3 84.5

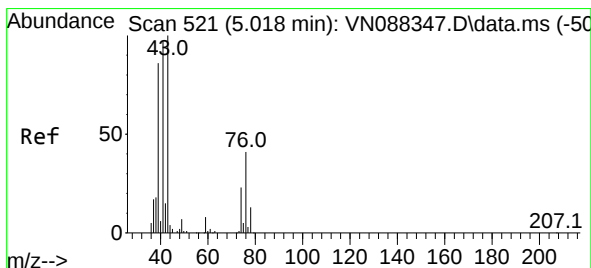
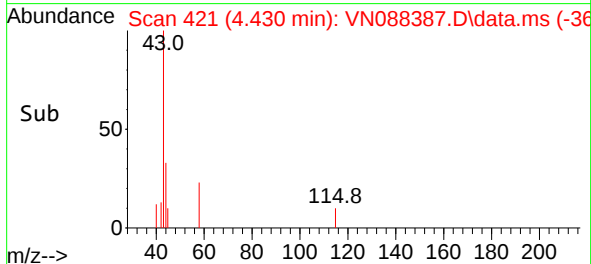
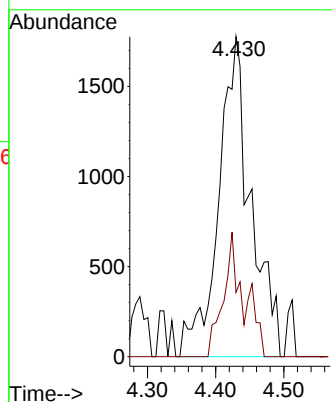
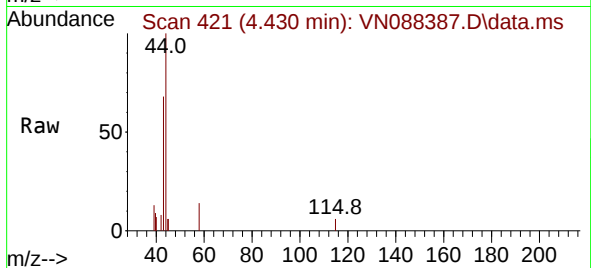




#16
Acetone
Concen: 5.029 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN088387.D
Acq: 01 Dec 2025 16:37

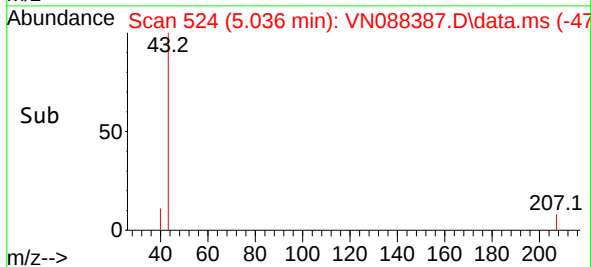
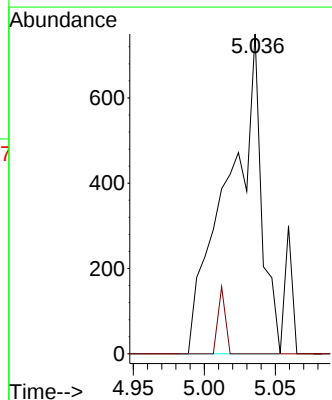
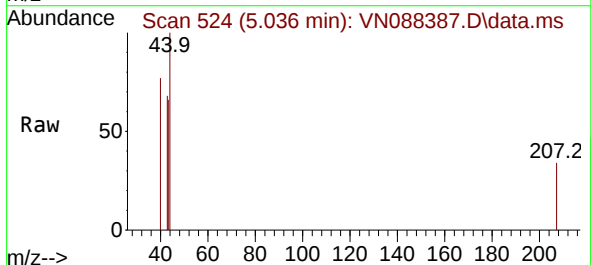
Instrument :
MSVOA_N
ClientSampleId :

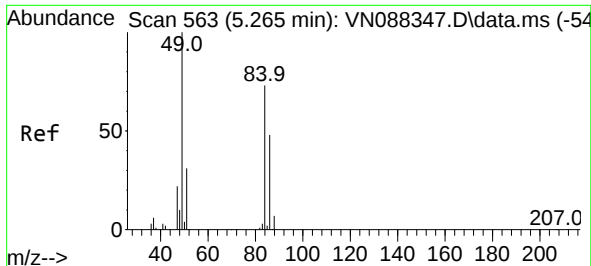
Tgt Ion: 43 Resp: 5833
Ion Ratio Lower Upper
43 100
58 20.1 21.7 32.5#



#18
Methyl Acetate
Concen: 0.357 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN088387.D
Acq: 01 Dec 2025 16:37

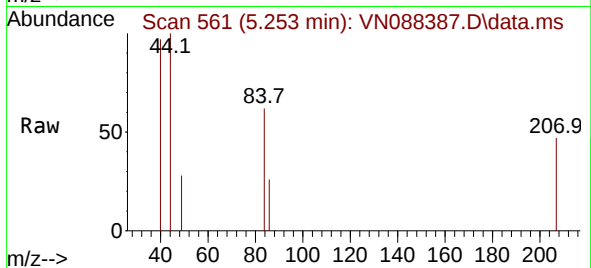
Tgt Ion: 43 Resp: 1232
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#





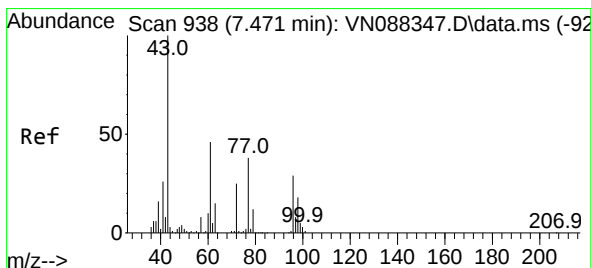
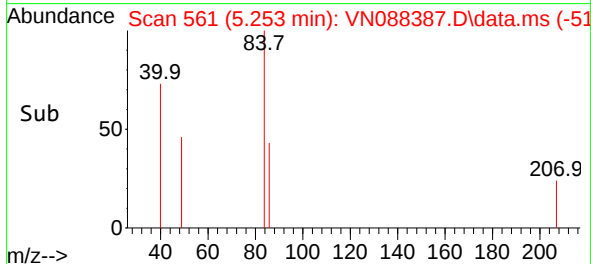
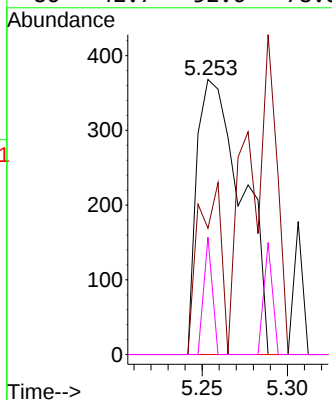
#20
Methylene Chloride
Concen: 0.276 ug/l
RT: 5.253 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN088387.D
Acq: 01 Dec 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 686

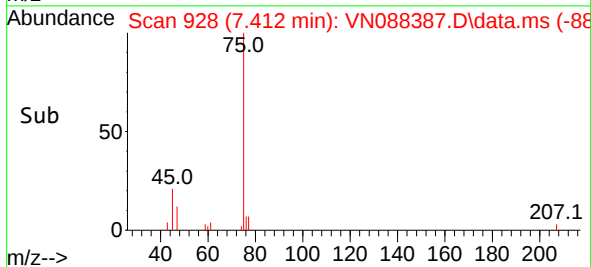
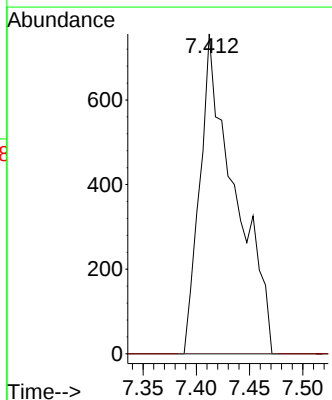
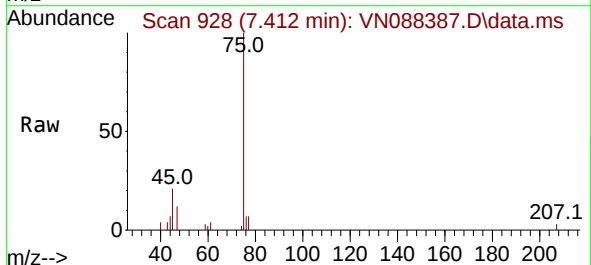
Ion	Ratio	Lower	Upper
84	100		
49	45.9	110.2	165.2#
51	0.0	34.1	51.1#
86	42.7	52.6	78.8#

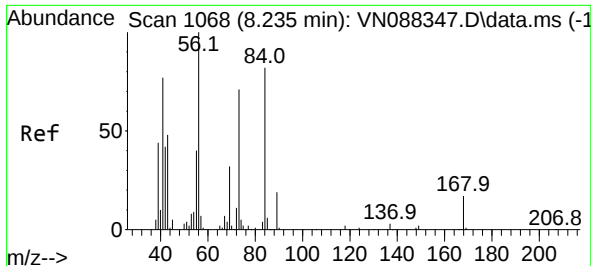


#26
2,2-Dichloropropane
Concen: 0.432 ug/l
RT: 7.412 min Scan# 928
Delta R.T. -0.059 min
Lab File: VN088387.D
Acq: 01 Dec 2025 16:37

Tgt Ion: 77 Resp: 1734

Ion	Ratio	Lower	Upper
77	100		
97	0.0	10.3	30.9#





#31

Cyclohexane

Concen: 1.204 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.029 min

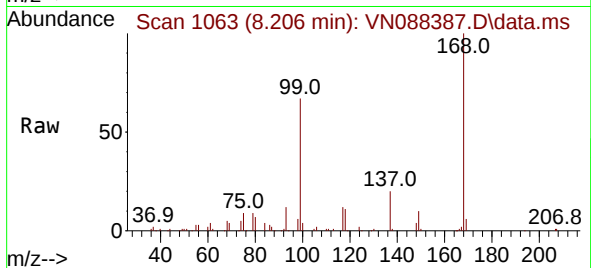
Lab File: VN088387.D

Acq: 01 Dec 2025 16:37

Instrument :

MSVOA_N

ClientSampleId :



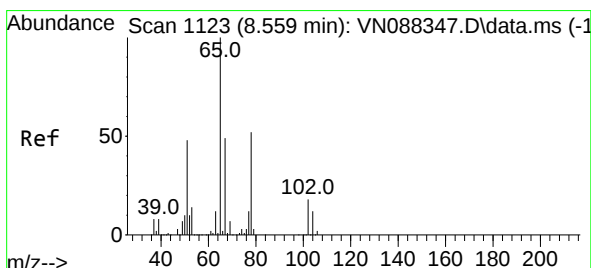
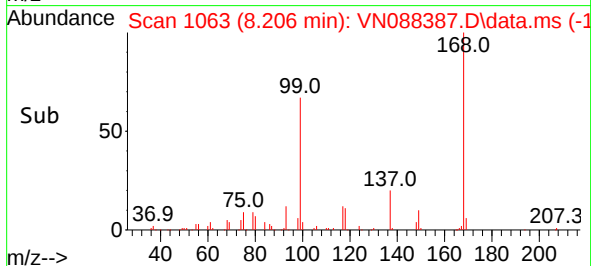
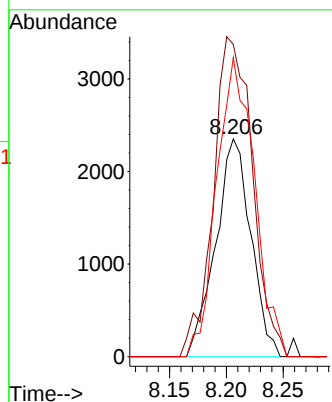
Tgt Ion: 56 Resp: 5078

Ion Ratio Lower Upper

56 100

69 143.3 25.3 37.9#

84 137.3 65.4 98.2#



#33

1,2-Dichloroethane-d4

Concen: 59.164 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088387.D

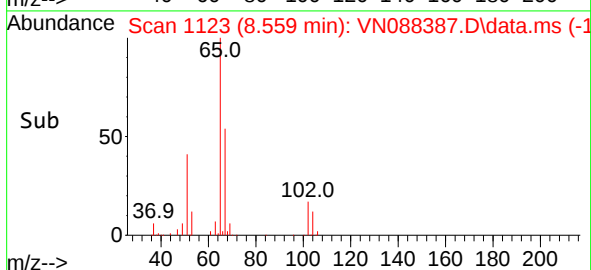
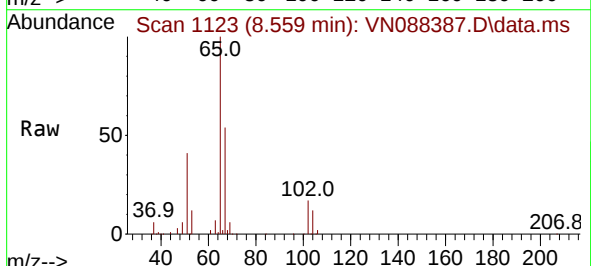
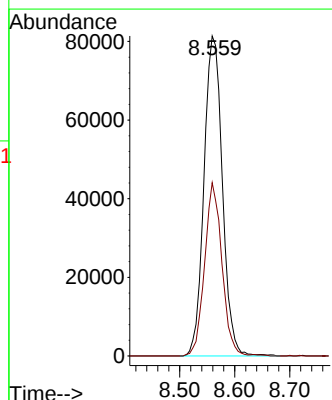
Acq: 01 Dec 2025 16:37

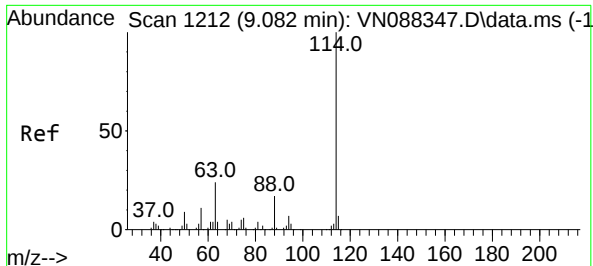
Tgt Ion: 65 Resp: 189737

Ion Ratio Lower Upper

65 100

67 50.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088387.D

Acq: 01 Dec 2025 16:37

Instrument :

MSVOA_N

ClientSampleId :

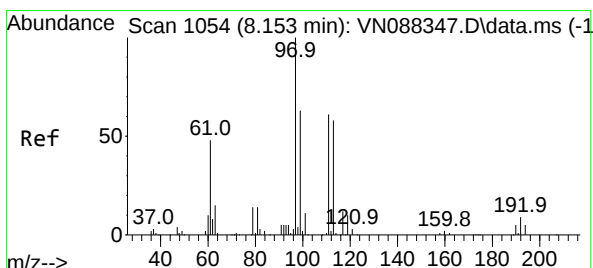
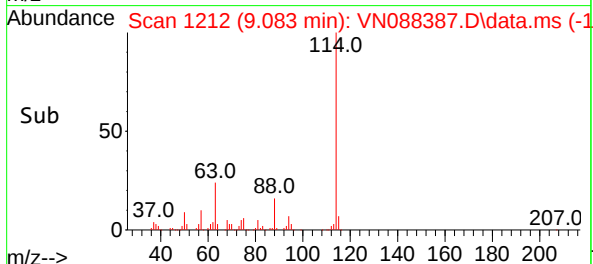
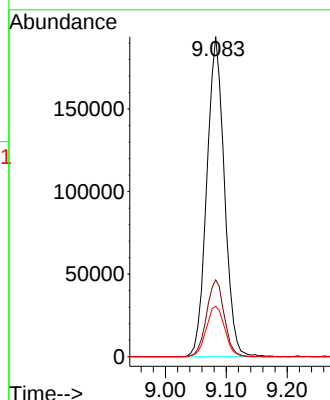
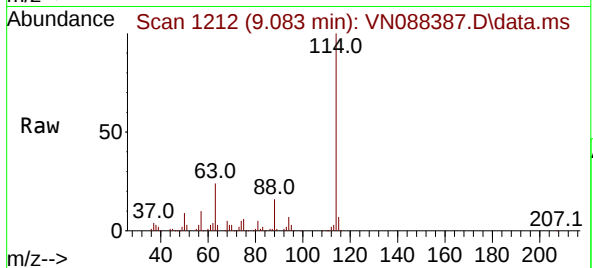
Tgt Ion:114 Resp: 388742

Ion Ratio Lower Upper

114 100

63 24.0 0.0 49.0

88 15.8 0.0 34.0



#35

Dibromofluoromethane

Concen: 51.724 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088387.D

Acq: 01 Dec 2025 16:37

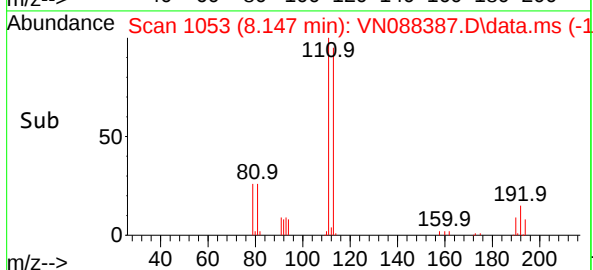
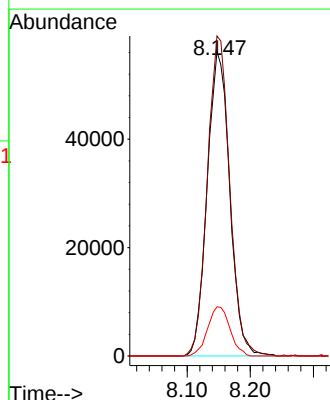
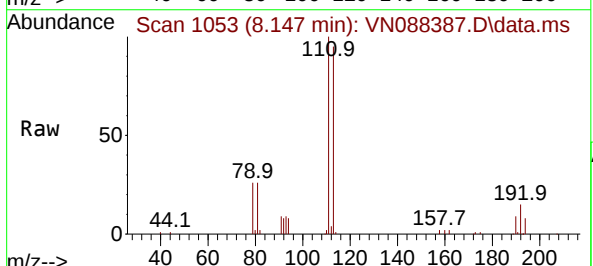
Tgt Ion:113 Resp: 139344

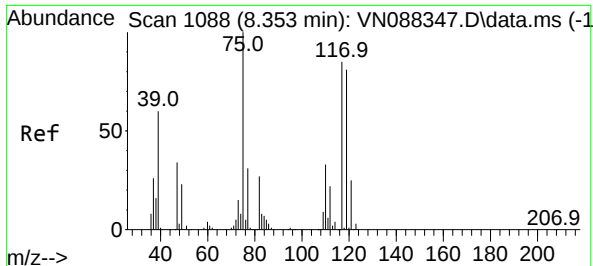
Ion Ratio Lower Upper

113 100

111 104.0 82.5 123.7

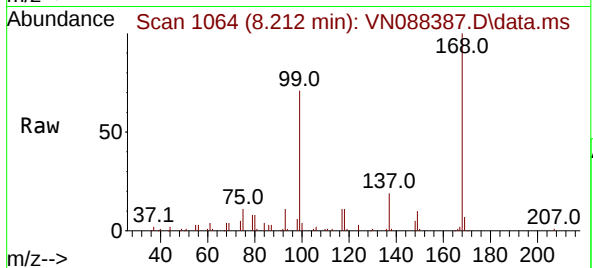
192 16.0 12.8 19.2



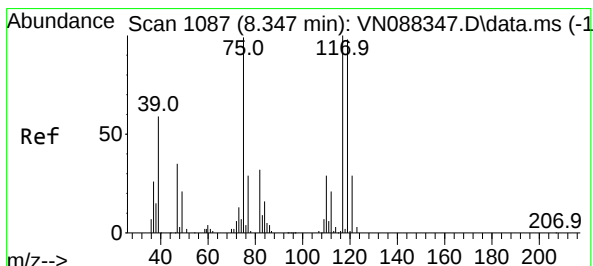
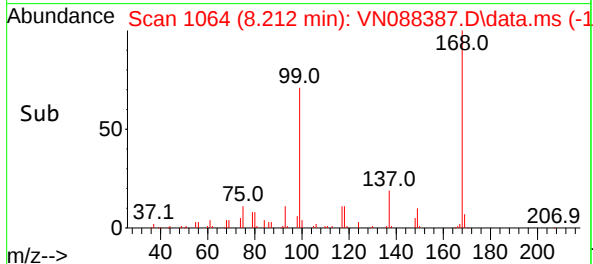
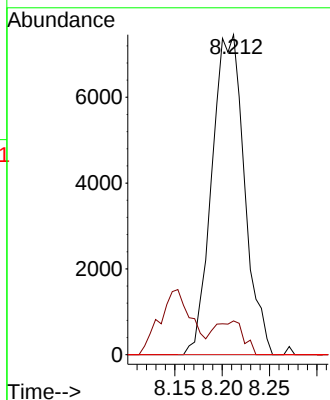


#36
1,1-Dichloropropene
Concen: 4.290 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.141 min
Lab File: VN088387.D
Acq: 01 Dec 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :

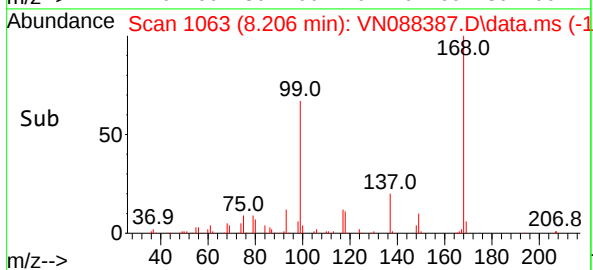
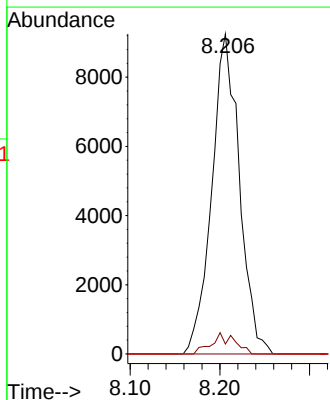
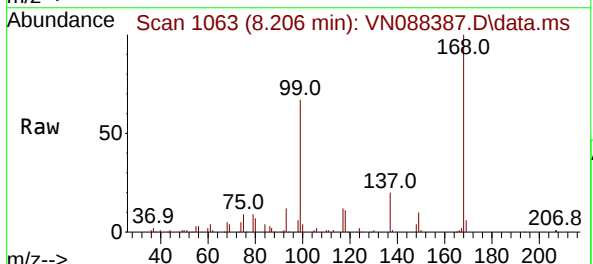


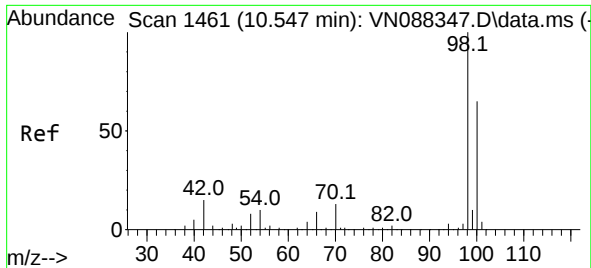
Tgt Ion: 75 Resp: 17835
Ion Ratio Lower Upper
75 100
110 9.5 15.8 47.4#
77 0.0 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 4.773 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.141 min
Lab File: VN088387.D
Acq: 01 Dec 2025 16:37

Tgt Ion: 117 Resp: 19756
Ion Ratio Lower Upper
117 100
119 3.1 78.2 117.4#
121 0.0 23.4 35.2#

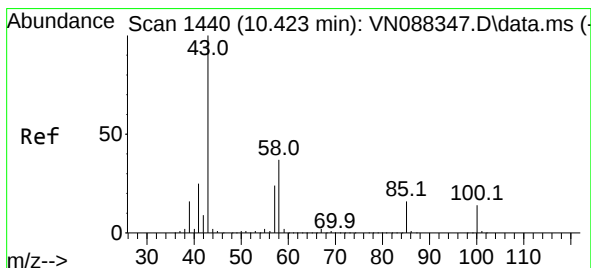
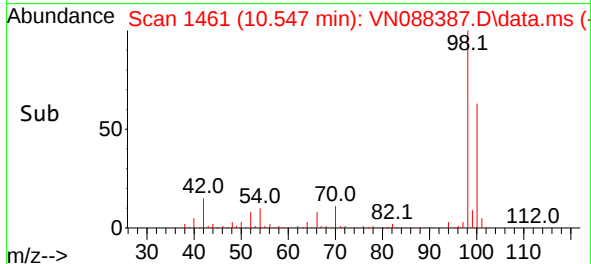
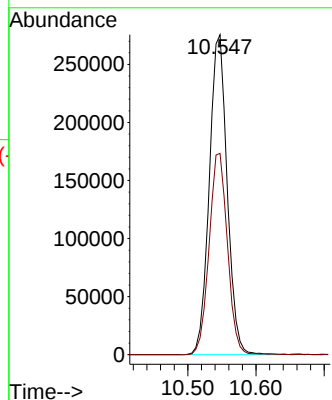
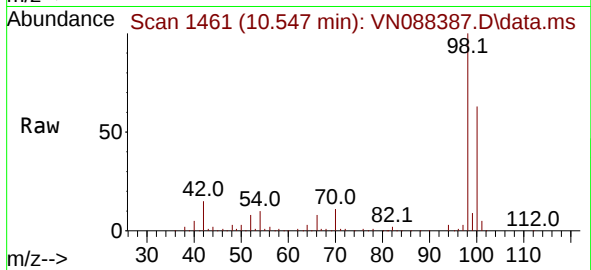




#50
Toluene-d8
Concen: 50.188 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088387.D
Acq: 01 Dec 2025 16:37

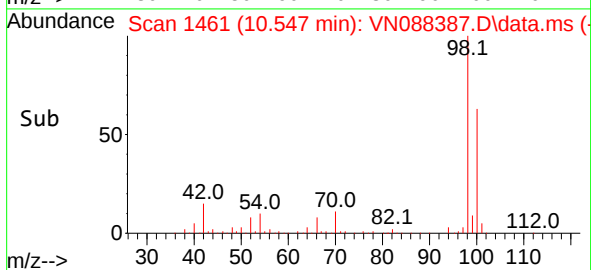
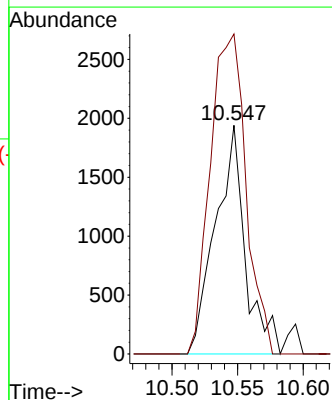
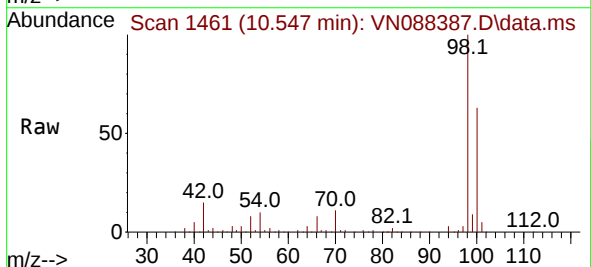
Instrument :
MSVOA_N
ClientSampleId :

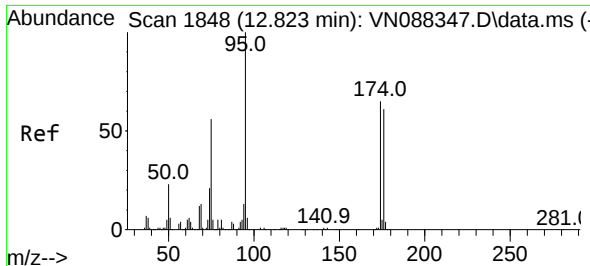
Tgt Ion: 98 Resp: 503066
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.621 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.124 min
Lab File: VN088387.D
Acq: 01 Dec 2025 16:37

Tgt Ion: 43 Resp: 3059
Ion Ratio Lower Upper
43 100
58 168.4 29.1 43.7#

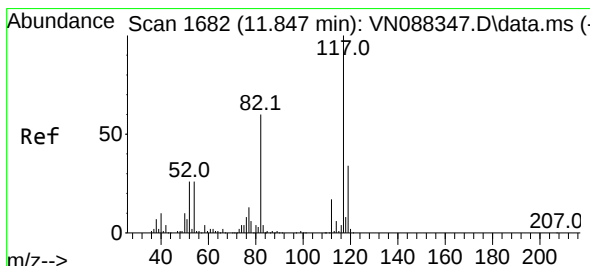
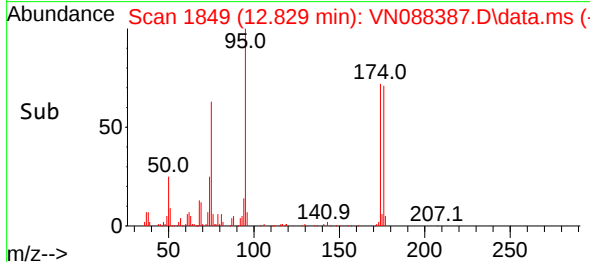
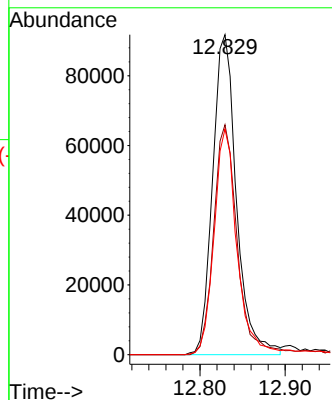
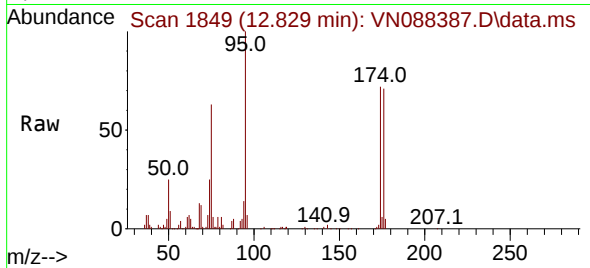




#62
4-Bromofluorobenzene
Concen: 51.815 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088387.D
Acq: 01 Dec 2025 16:37

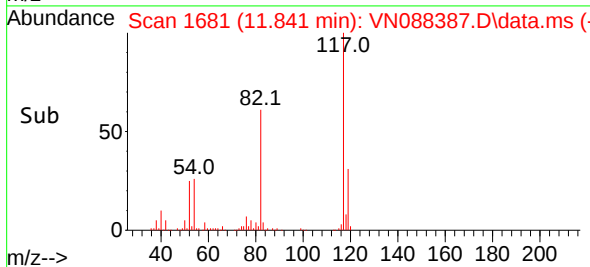
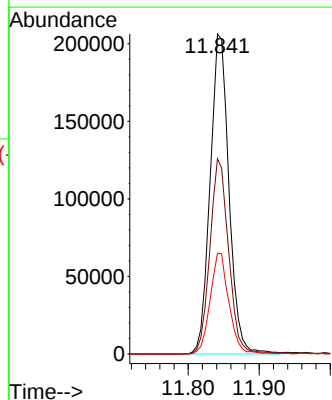
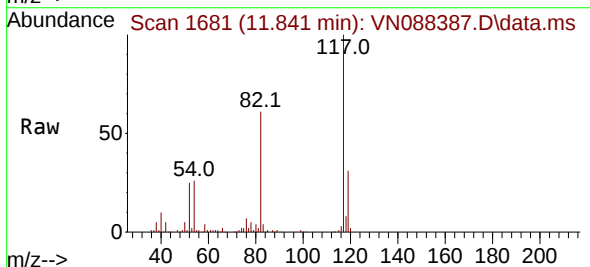
Instrument :
MSVOA_N
ClientSampleId :

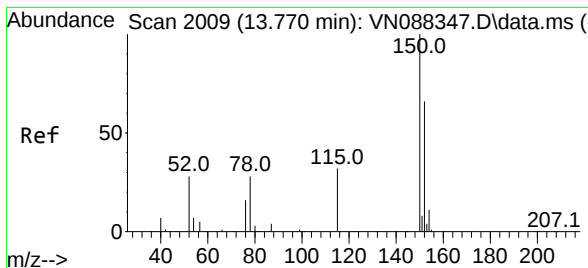
Tgt Ion: 95 Resp: 178208
Ion Ratio Lower Upper
95 100
174 71.3 0.0 139.0
176 68.3 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088387.D
Acq: 01 Dec 2025 16:37

Tgt Ion: 117 Resp: 379082
Ion Ratio Lower Upper
117 100
82 61.0 47.8 71.8
119 31.5 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

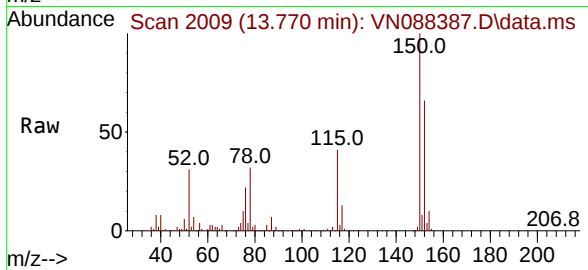
Lab File: VN088387.D

Acq: 01 Dec 2025 16:37

Instrument :

MSVOA_N

ClientSampleId :



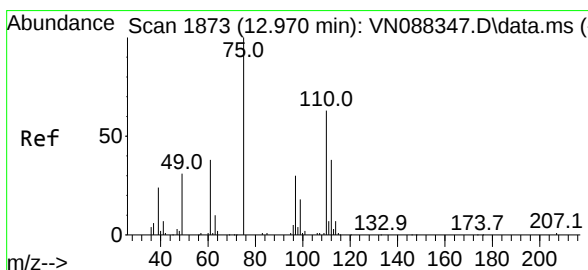
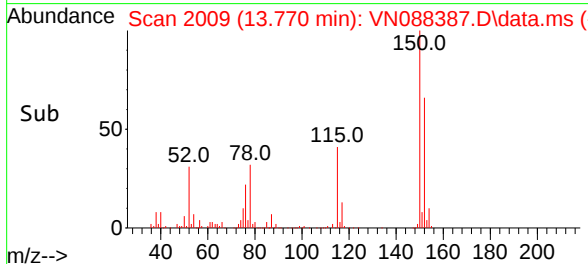
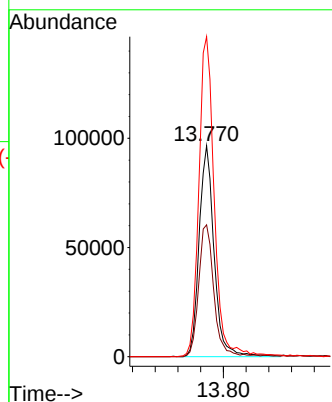
Tgt Ion:152 Resp: 177360

Ion Ratio Lower Upper

152 100

115 63.6 33.0 98.9

150 155.9 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 25.987 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN088387.D

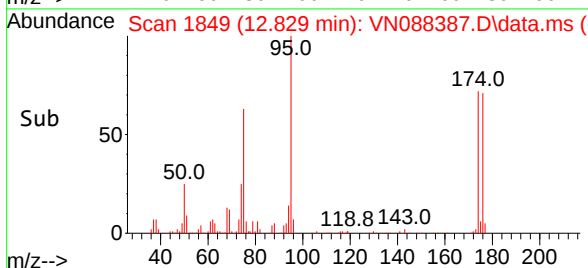
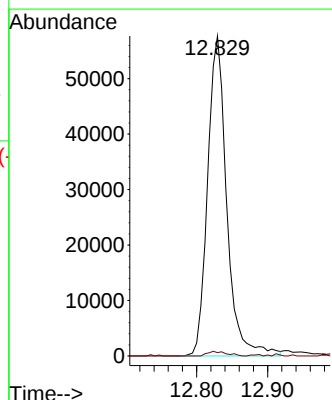
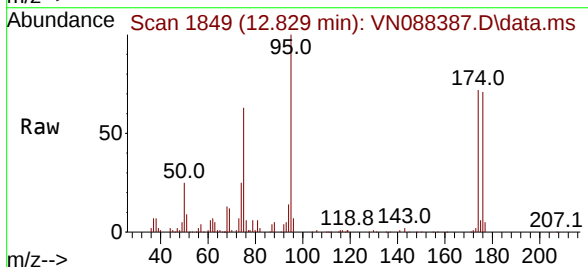
Acq: 01 Dec 2025 16:37

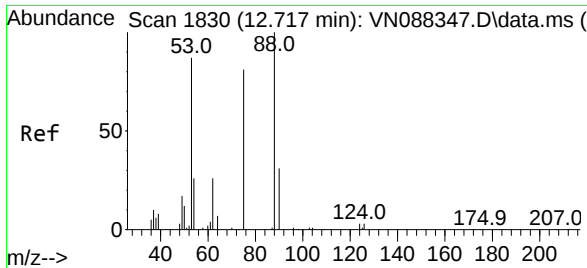
Tgt Ion: 75 Resp: 107954

Ion Ratio Lower Upper

75 100

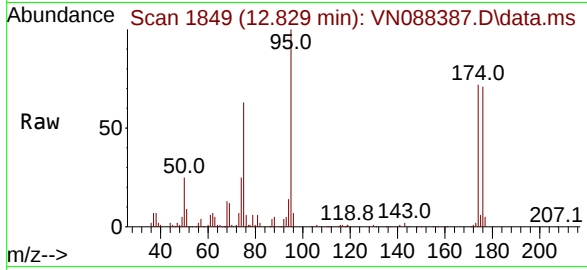
77 1.4 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.725 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.112 min
 Lab File: VN088387.D
 Acq: 01 Dec 2025 16:37

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 107954
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.2 138.4#
 89 0.0 0.0 0.0

