

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088372.D
 Acq On : 01 Dec 2025 10:53
 Operator : JC\MD
 Sample : VN1201WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 00:09:38 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)

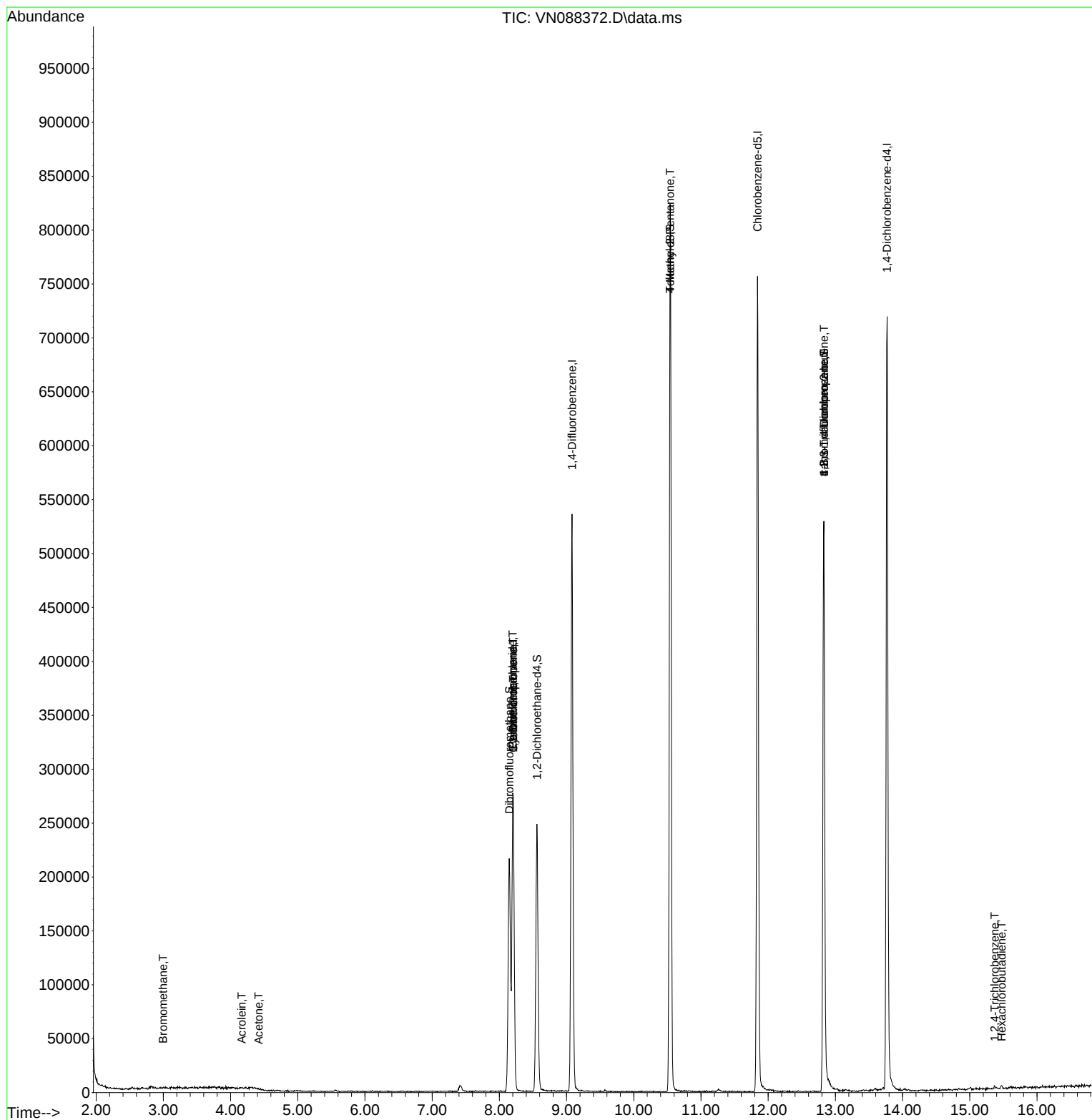
Internal Standards						
1) Pentafluorobenzene	8.200	168	188076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	435319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	418422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	198799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	204928	57.841	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 115.680%		
35) Dibromofluoromethane	8.147	113	157356	52.161	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.320%		
50) Toluene-d8	10.541	98	561082	49.987	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 99.980%		
62) 4-Bromofluorobenzene	12.829	95	201912	52.426	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 104.860%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.995	94	434	0.292	ug/l #	74
13) Acrolein	4.165	56	179	0.331	ug/l #	1
16) Acetone	4.418	43	1099	0.858	ug/l #	48
31) Cyclohexane	8.206	56	5751	1.234	ug/l #	20
36) 1,1-Dichloropropene	8.206	75	19230	4.130	ug/l #	51
38) Carbon Tetrachloride	8.200	117	23236	5.013	ug/l #	17
51) 4-Methyl-2-Pentanone	10.541	43	2933	0.532	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	110298	23.688	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	110298	67.202	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.370	180	736	0.201	ug/l	69
94) Hexachlorobutadiene	15.476	225	626	0.476	ug/l #	66

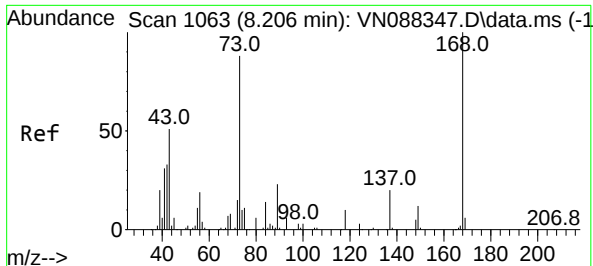
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088372.D
Acq On : 01 Dec 2025 10:53
Operator : JC\MD
Sample : VN1201WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

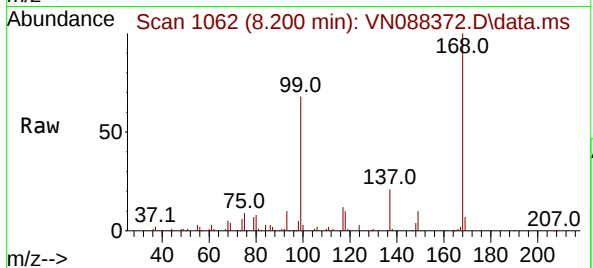
Quant Time: Dec 02 00:09:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration



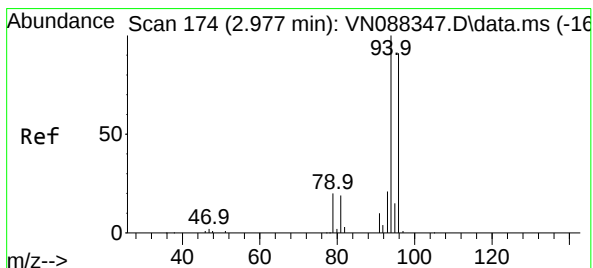
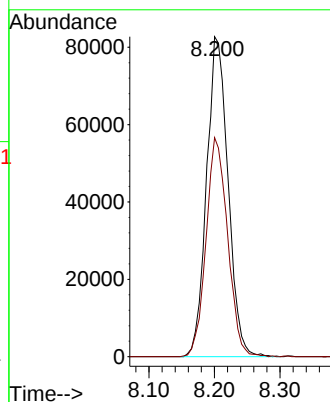
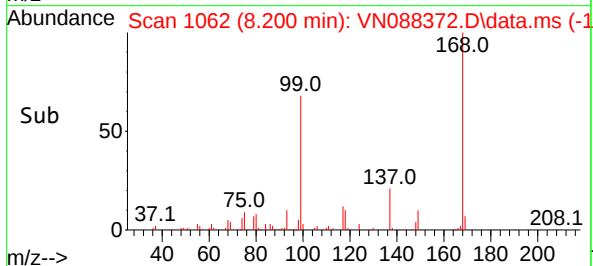


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Instrument :
MSVOA_N
ClientSampleId :

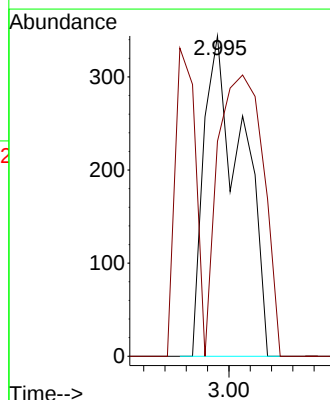
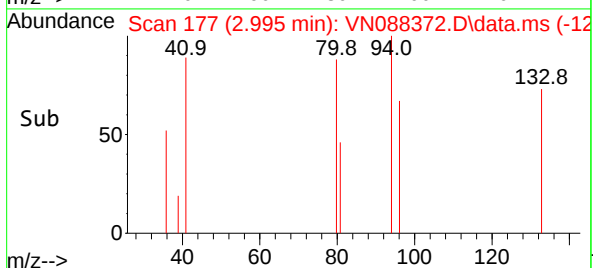
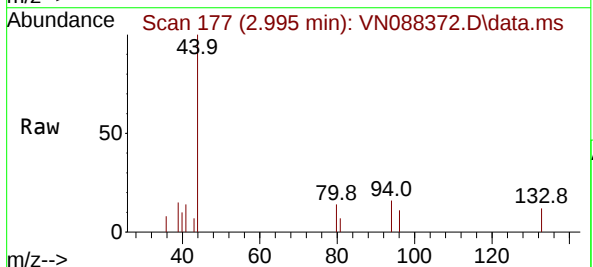


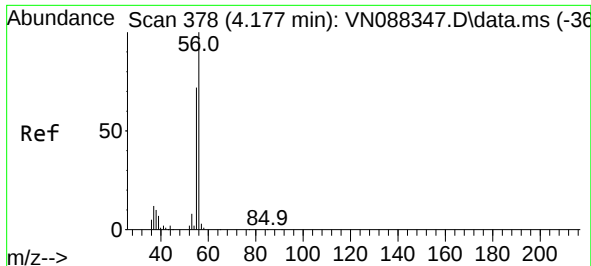
Tgt Ion:168 Resp: 188076
Ion Ratio Lower Upper
168 100
99 68.5 57.1 85.7



#5
Bromomethane
Concen: 0.292 ug/l
RT: 2.995 min Scan# 177
Delta R.T. 0.018 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

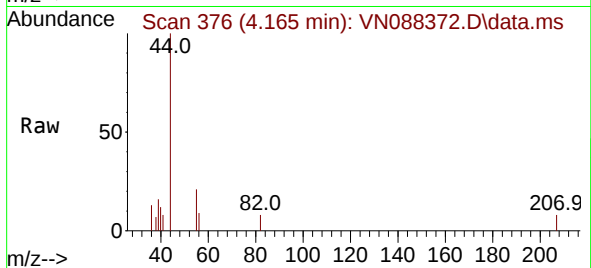
Tgt Ion: 94 Resp: 434
Ion Ratio Lower Upper
94 100
96 67.2 73.2 109.8#



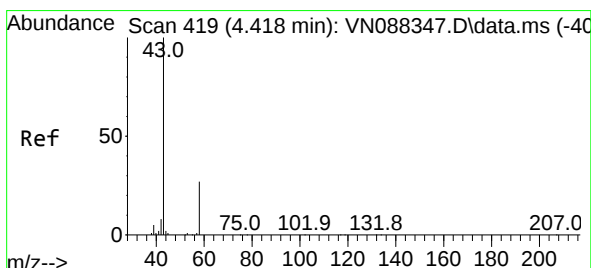
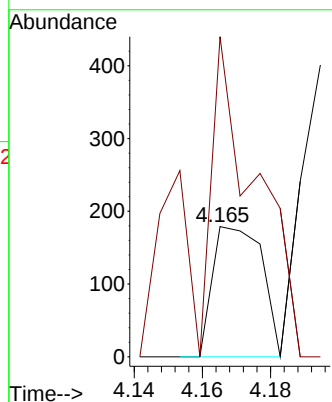
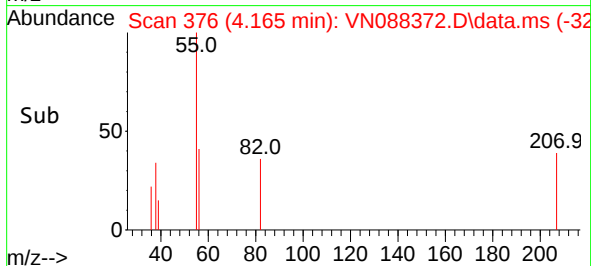


#13
Acrolein
Concen: 0.331 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.012 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Instrument :
MSVOA_N
ClientSampleId :

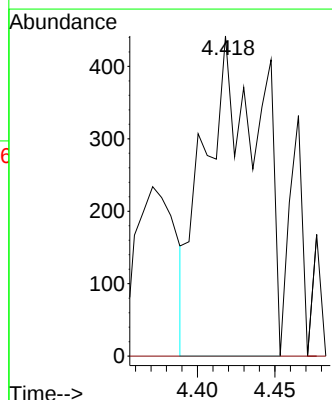
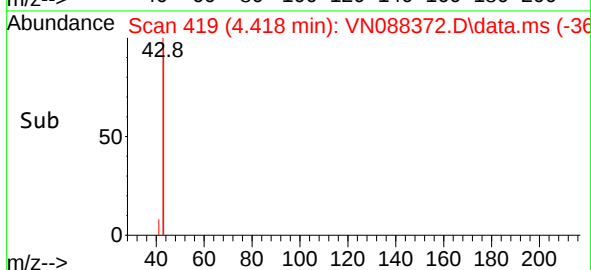
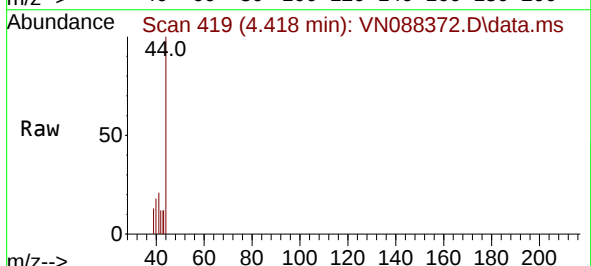


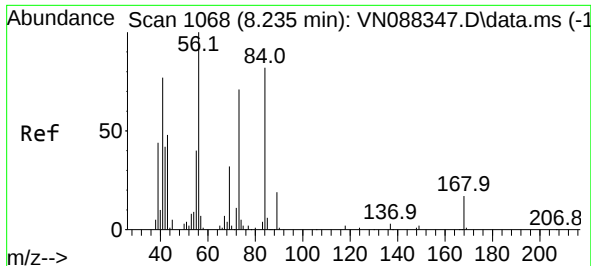
Tgt Ion: 56 Resp: 179
Ion Ratio Lower Upper
56 100
55 220.1 56.3 84.5#



#16
Acetone
Concen: 0.858 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

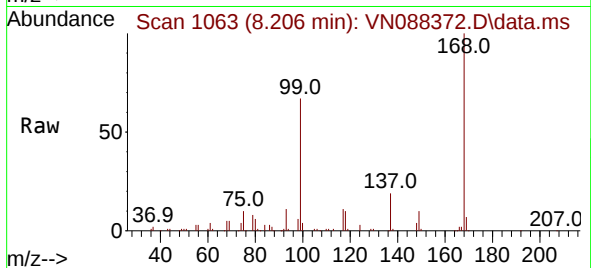
Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
58 0.0 21.7 32.5#



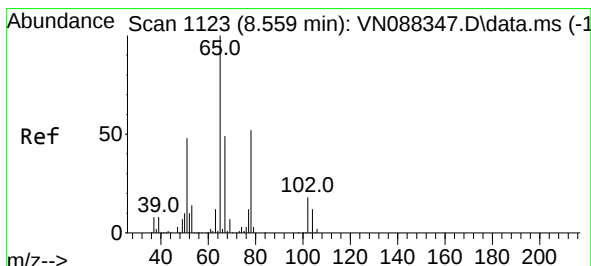
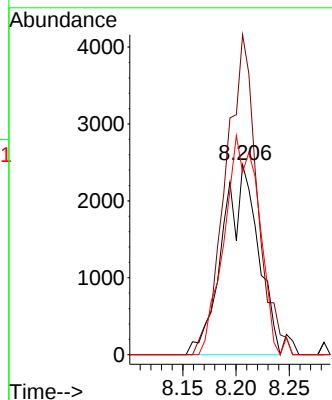
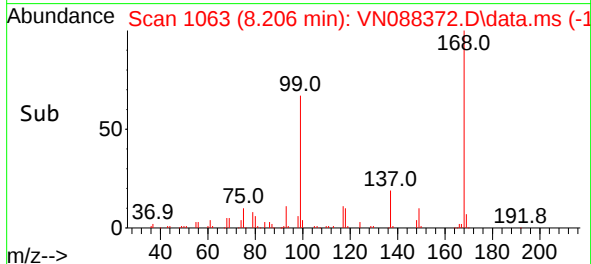


#31
Cyclohexane
Concen: 1.234 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Instrument :
MSVOA_N
ClientSampleId :

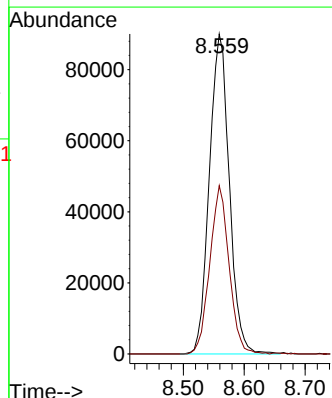
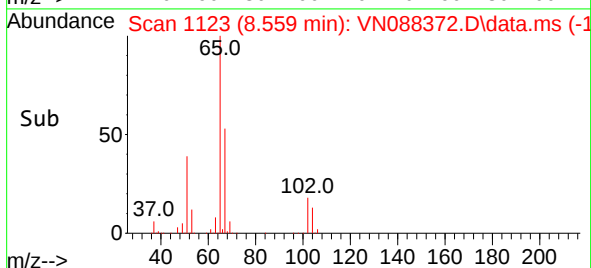
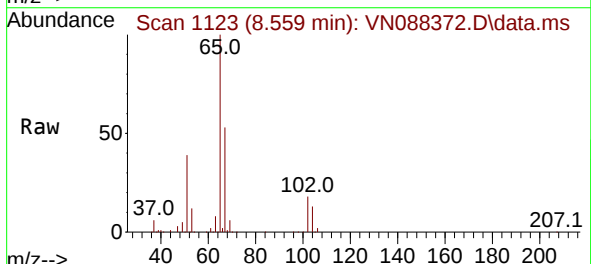


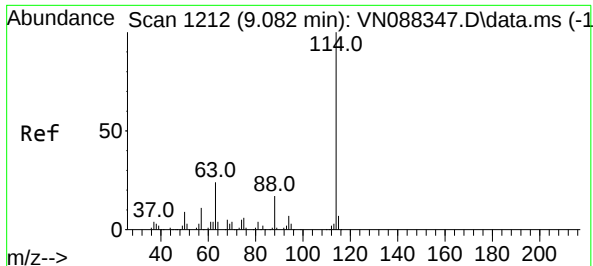
Tgt Ion: 56 Resp: 5751
Ion Ratio Lower Upper
56 100
69 168.5 25.3 37.9#
84 96.1 65.4 98.2



#33
1,2-Dichloroethane-d4
Concen: 57.841 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Tgt Ion: 65 Resp: 204928
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088372.D

Acq: 01 Dec 2025 10:53

Instrument :

MSVOA_N

ClientSampleId :

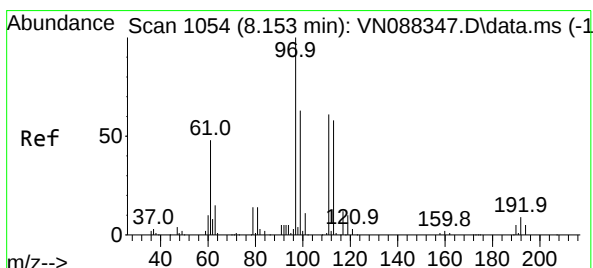
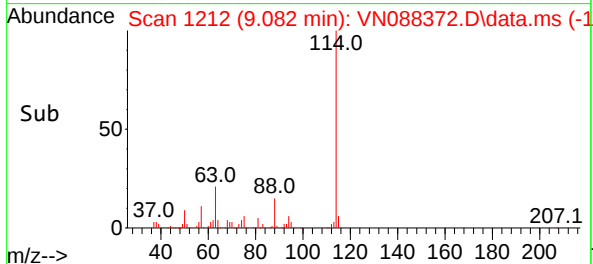
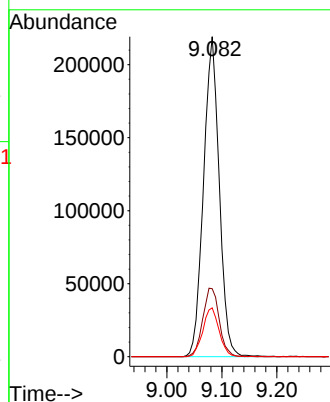
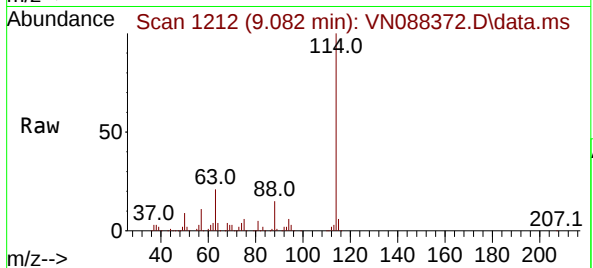
Tgt Ion:114 Resp: 435319

Ion Ratio Lower Upper

114 100

63 21.3 0.0 49.0

88 15.3 0.0 34.0



#35

Dibromofluoromethane

Concen: 52.161 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088372.D

Acq: 01 Dec 2025 10:53

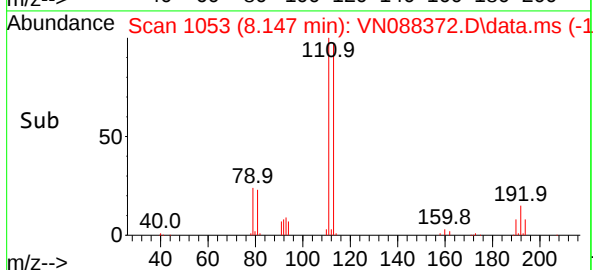
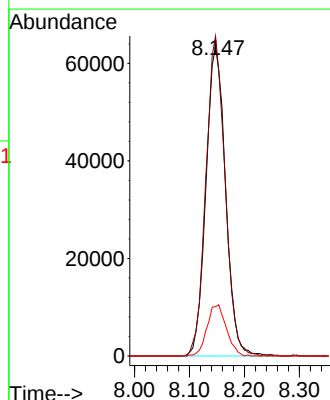
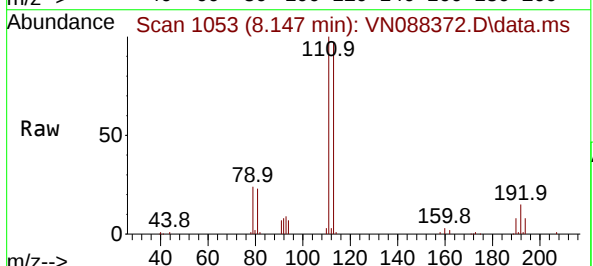
Tgt Ion:113 Resp: 157356

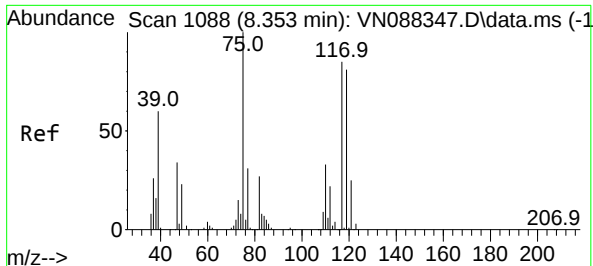
Ion Ratio Lower Upper

113 100

111 101.1 82.5 123.7

192 16.3 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.130 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

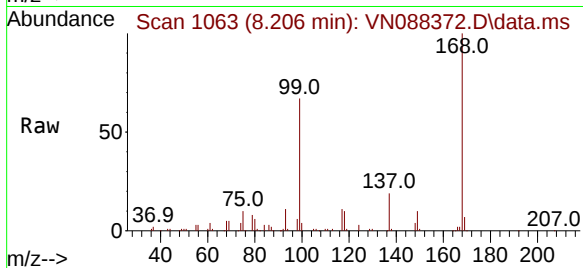
Lab File: VN088372.D

Acq: 01 Dec 2025 10:53

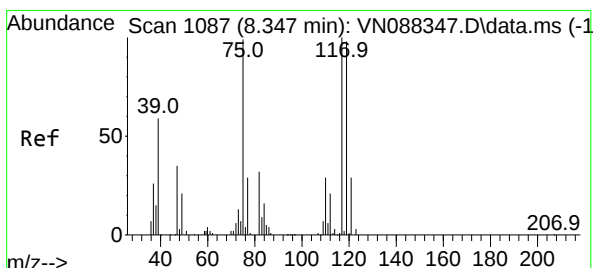
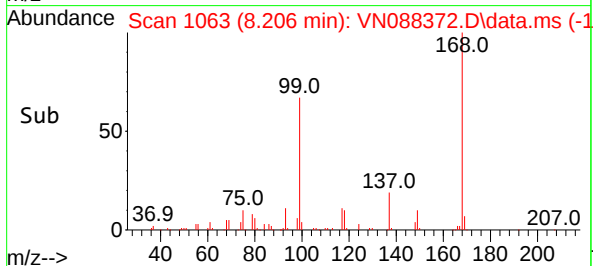
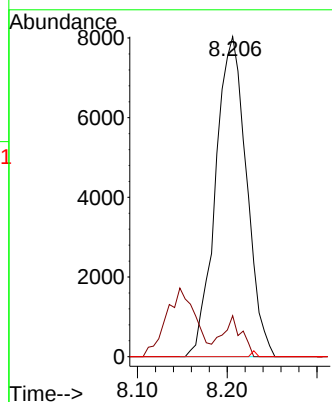
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	19230
Ion Ratio	Lower	Upper	
75	100		
110	7.8	15.8	47.4#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.013 ug/l

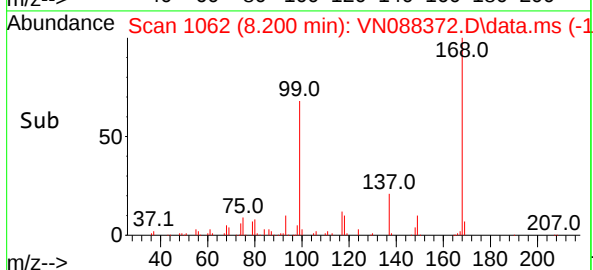
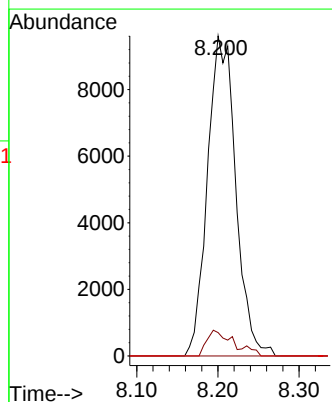
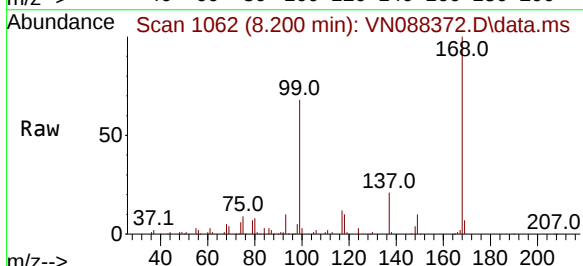
RT: 8.200 min Scan# 1062

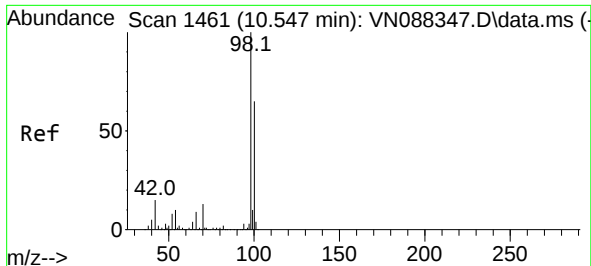
Delta R.T. -0.147 min

Lab File: VN088372.D

Acq: 01 Dec 2025 10:53

Tgt Ion:	117	Resp:	23236
Ion Ratio	Lower	Upper	
117	100		
119	7.3	78.2	117.4#
121	0.0	23.4	35.2#

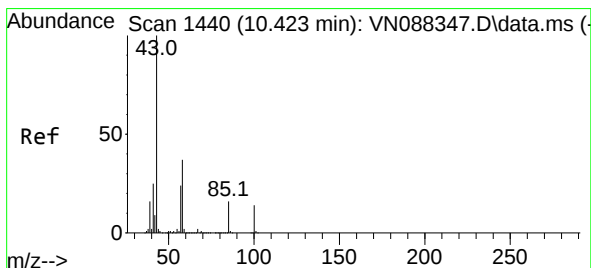
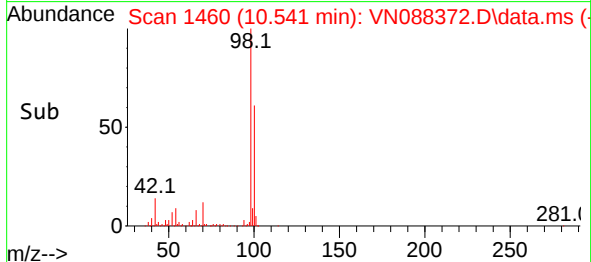
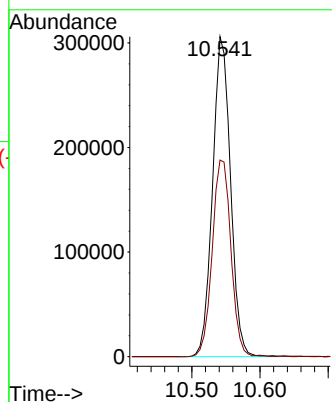
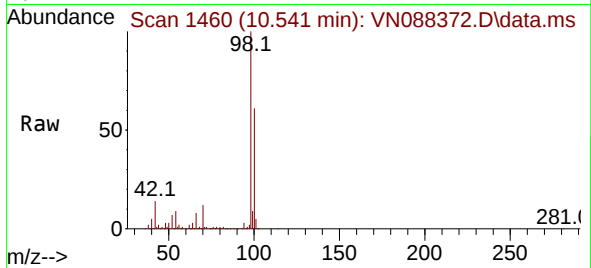




#50
Toluene-d8
Concen: 49.987 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

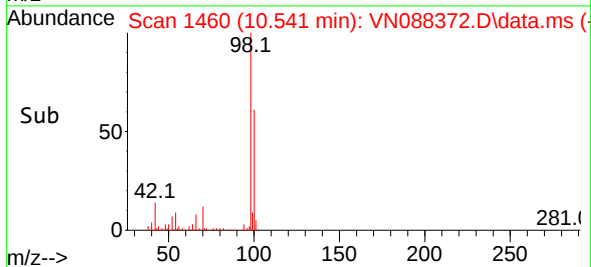
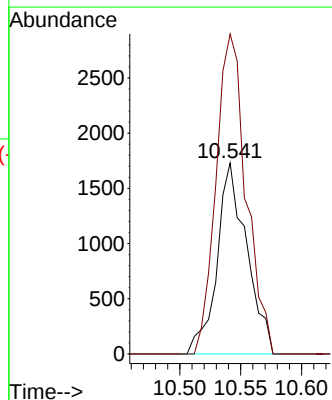
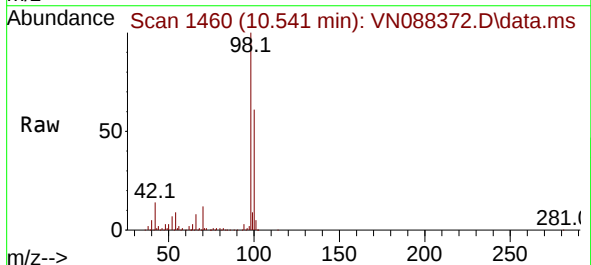
Instrument :
MSVOA_N
ClientSampleId :

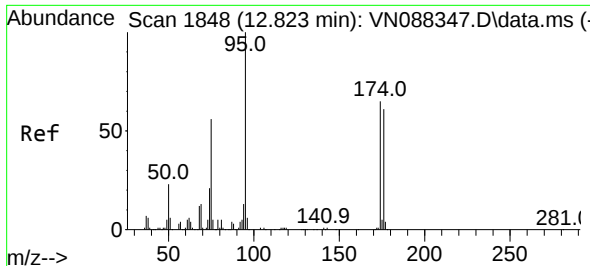
Tgt Ion: 98 Resp: 561082
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.532 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. 0.118 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Tgt Ion: 43 Resp: 2933
Ion Ratio Lower Upper
43 100
58 170.4 29.1 43.7#

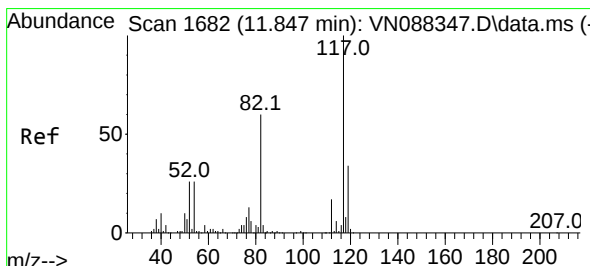
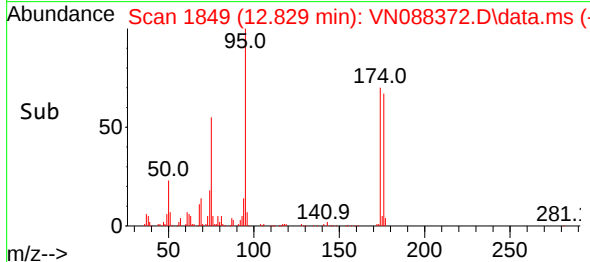
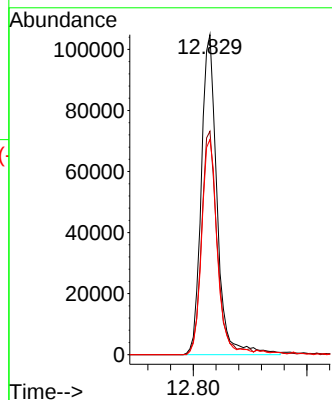
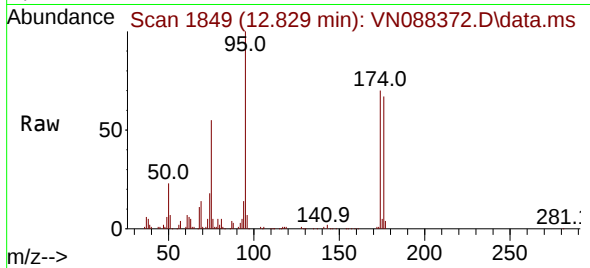




#62
4-Bromofluorobenzene
Concen: 52.426 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

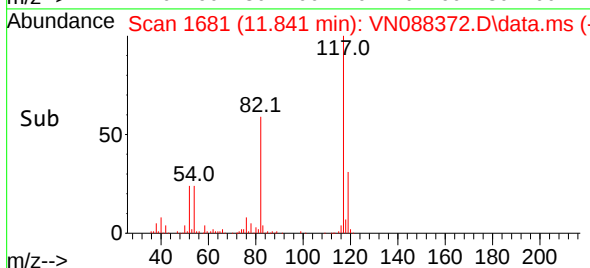
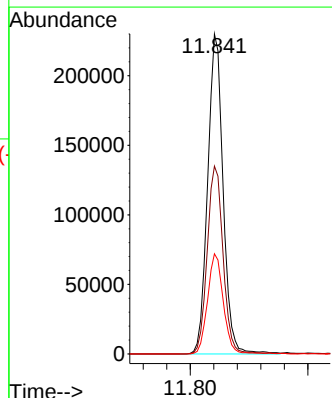
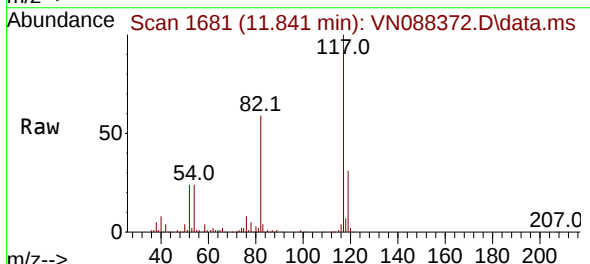
Instrument :
MSVOA_N
ClientSampleId :

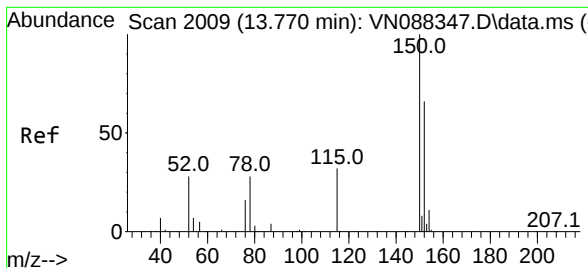
Tgt Ion: 95 Resp: 201912
Ion Ratio Lower Upper
95 100
174 69.2 0.0 139.0
176 67.0 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

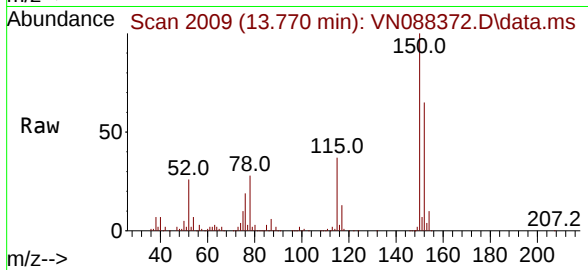
Tgt Ion: 117 Resp: 418422
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.8
119 31.3 26.9 40.3



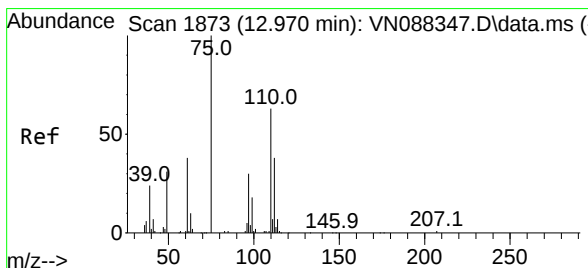
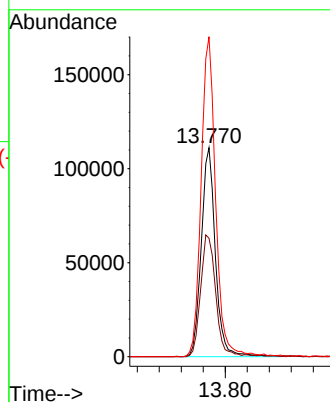
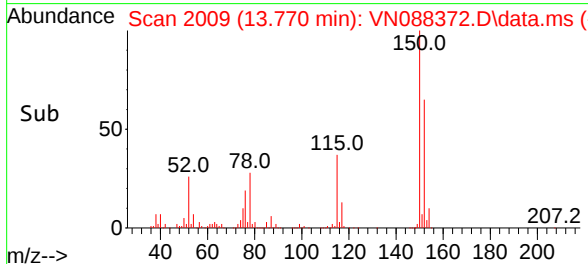


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088372.D
 Acq: 01 Dec 2025 10:53

Instrument :
 MSVOA_N
 ClientSampleId :

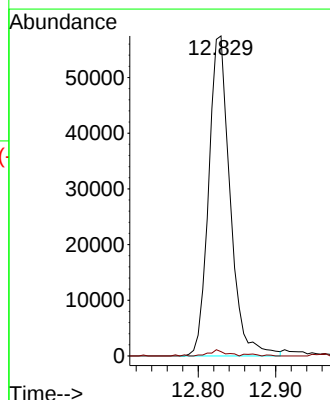
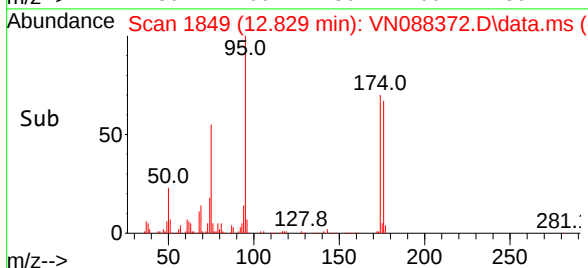
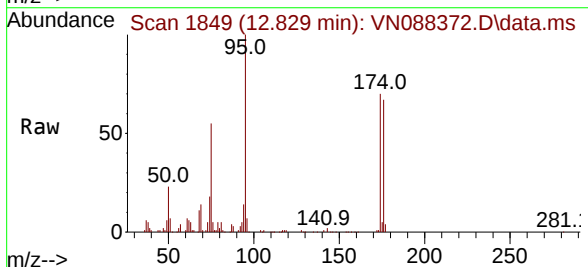


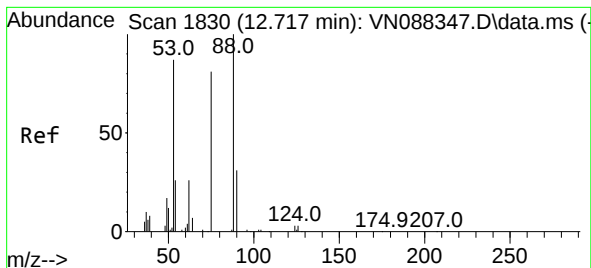
Tgt Ion:152 Resp: 198799
 Ion Ratio Lower Upper
 152 100
 115 62.5 33.0 98.9
 150 156.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 23.688 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088372.D
 Acq: 01 Dec 2025 10:53

Tgt Ion: 75 Resp: 110298
 Ion Ratio Lower Upper
 75 100
 77 1.4 87.2 261.6#

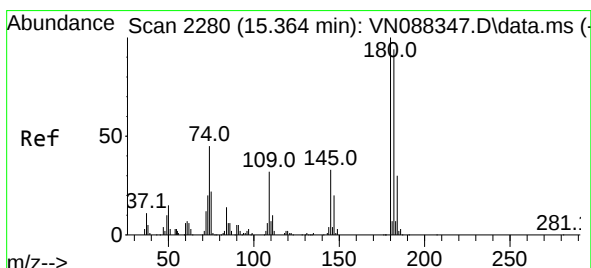
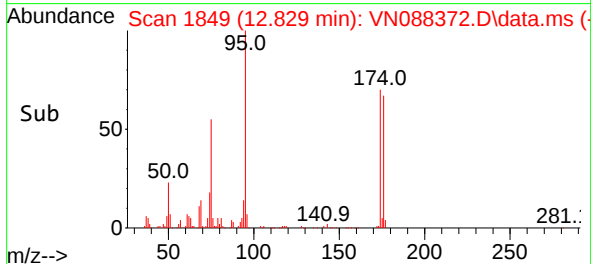
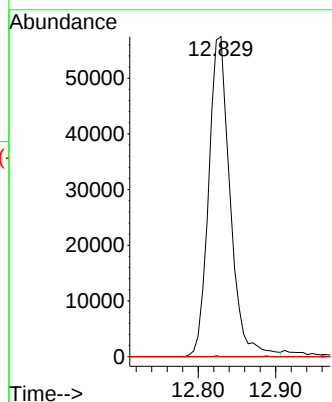
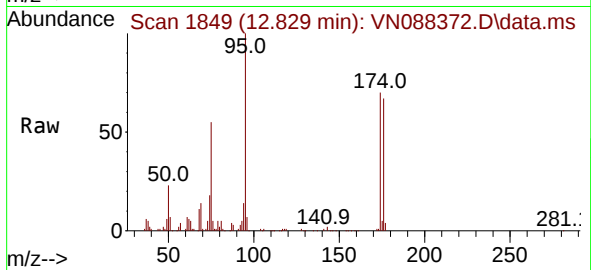




#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.202 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088372.D
 Acq: 01 Dec 2025 10:53

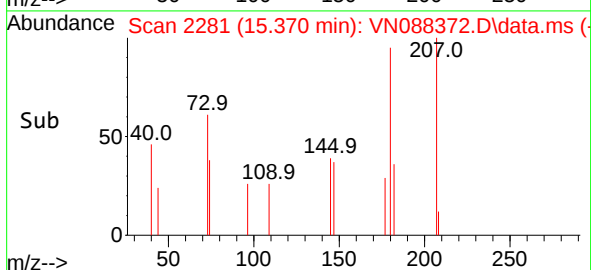
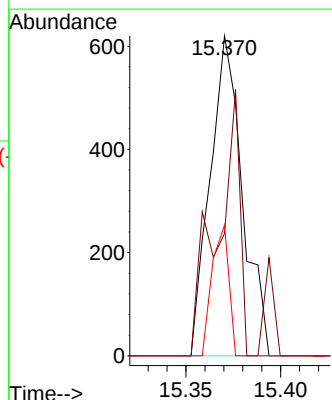
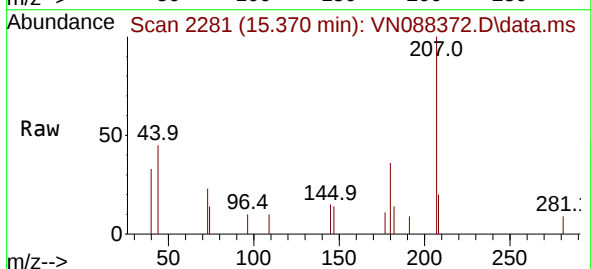
Instrument :
 MSVOA_N
 ClientSampleId :

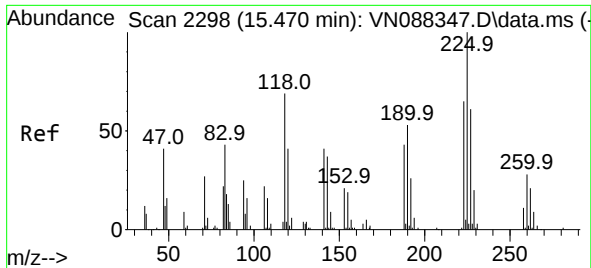
Tgt Ion: 75 Resp: 110298
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.2 138.4#
 89 0.0 0.0 0.0



#93
 1,2,4-Trichlorobenzene
 Concen: 0.201 ug/l
 RT: 15.370 min Scan# 2281
 Delta R.T. 0.006 min
 Lab File: VN088372.D
 Acq: 01 Dec 2025 10:53

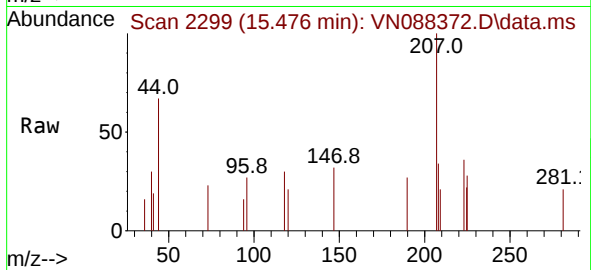
Tgt Ion: 180 Resp: 736
 Ion Ratio Lower Upper
 180 100
 182 58.7 46.1 138.2
 145 21.2 16.7 50.1





#94
 Hexachlorobutadiene
 Concen: 0.476 ug/l
 RT: 15.476 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN088372.D
 Acq: 01 Dec 2025 10:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	225	Resp:	626
Ion	Ratio	Lower	Upper
225	100		
223	71.2	32.3	96.8
227	14.1	29.9	89.8

