

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088489.D
 Acq On : 10 Dec 2025 10:57
 Operator : JC\MD
 Sample : VN1210WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 11 02:03:46 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)

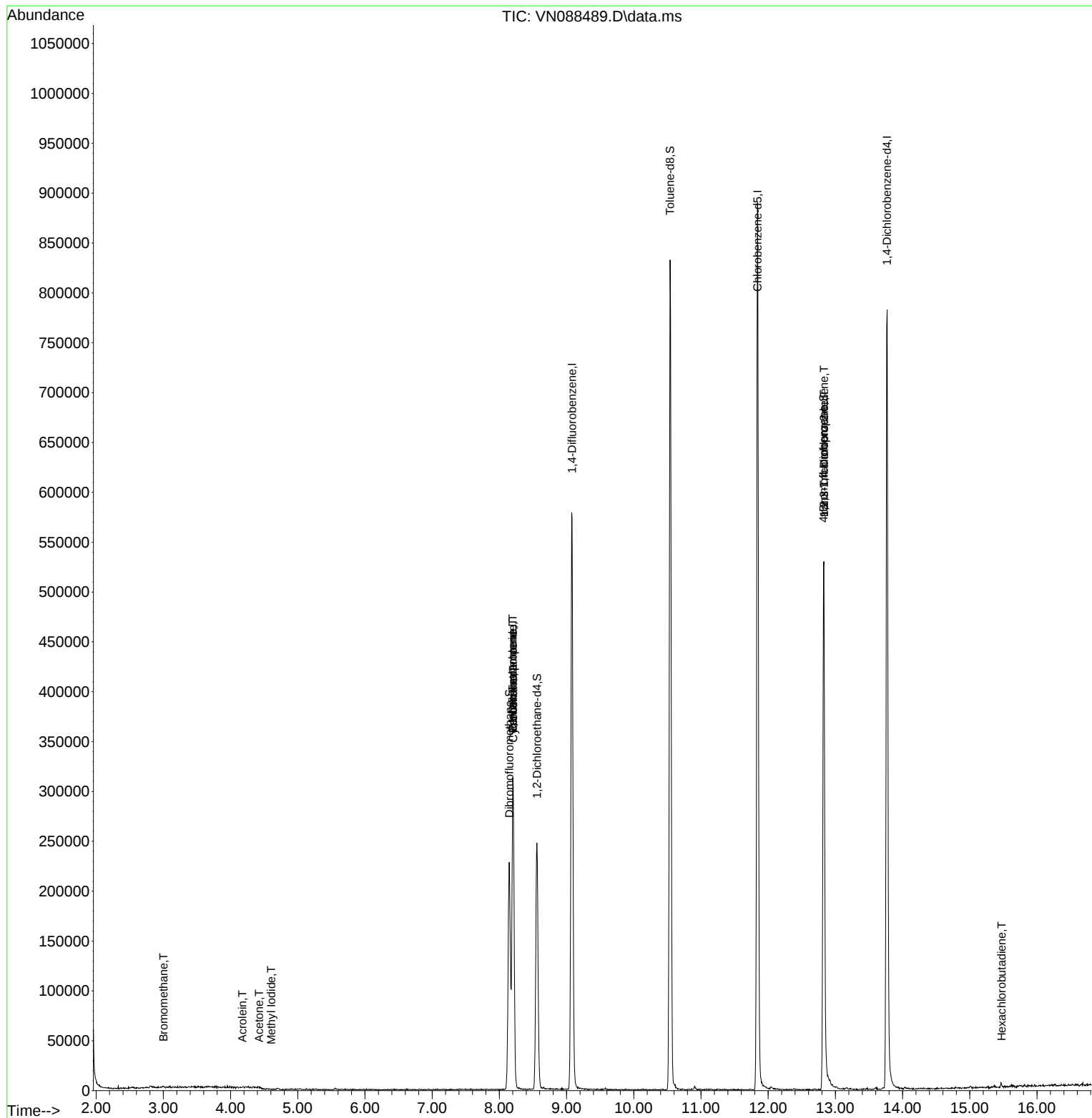
Internal Standards						
1) Pentafluorobenzene	8.200	168	199142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	459524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	467279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	216905	57.819	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 115.640%		
35) Dibromofluoromethane	8.147	113	161740	50.790	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.580%		
50) Toluene-d8	10.541	98	557070	47.015	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 94.040%		
62) 4-Bromofluorobenzene	12.823	95	195010	47.967	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 95.940%		
Target Compounds						
					Qvalue	
5) Bromomethane	3.000	94	435	0.277	ug/l	99
10) Methyl Iodide	4.606	142	559	0.231	ug/l #	38
13) Acrolein	4.177	56	278	0.485	ug/l #	44
16) Acetone	4.424	43	3851	2.838	ug/l #	85
31) Cyclohexane	8.206	56	6443	1.306	ug/l #	23
36) 1,1-Dichloropropene	8.200	75	21281	4.330	ug/l #	53
38) Carbon Tetrachloride	8.200	117	23168	4.735	ug/l #	14
76) 1,2,3-Trichloropropane	12.829	75	114391	23.127	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	114391	65.611	ug/l #	1
94) Hexachlorobutadiene	15.476	225	911	0.652	ug/l	91

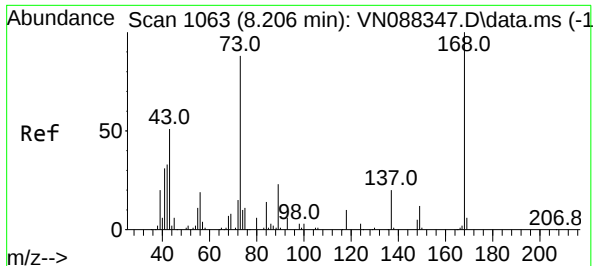
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 11 02:03:46 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

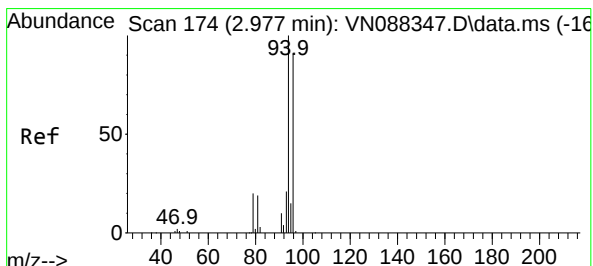
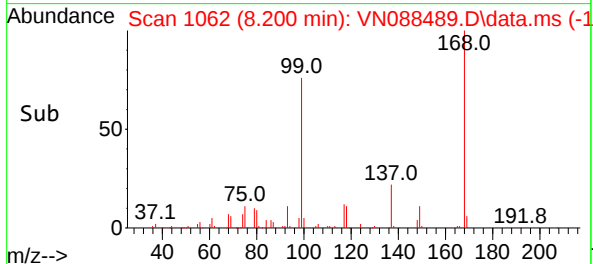
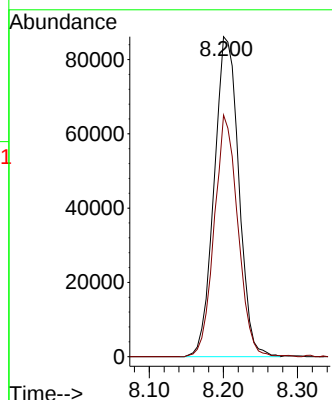
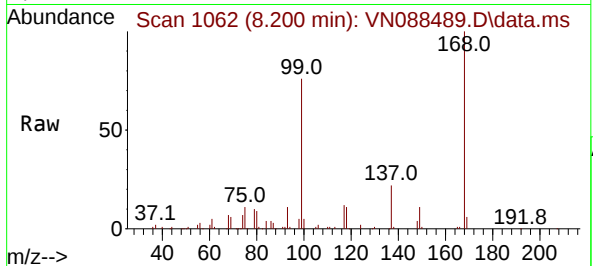




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

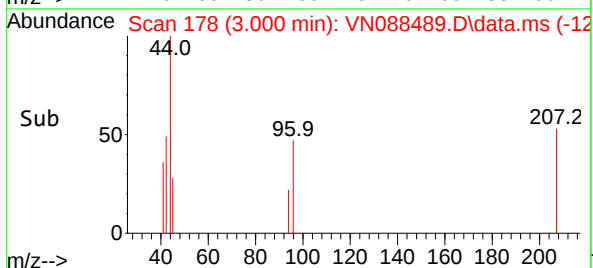
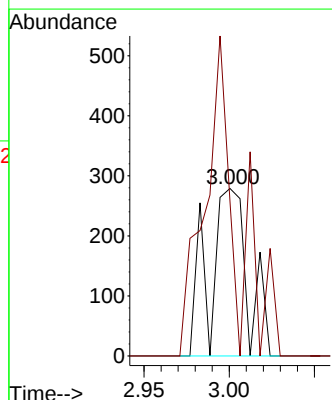
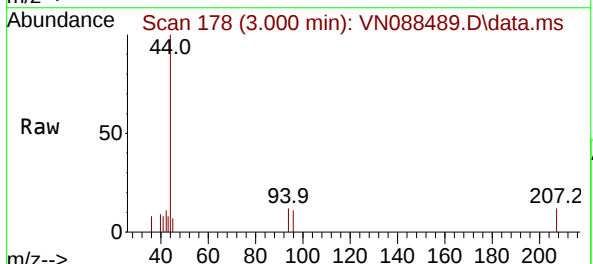
Instrument :
MSVOA_N
ClientSampleId :

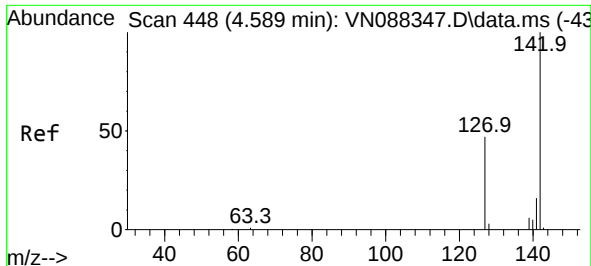
Tgt Ion:168 Resp: 199142
Ion Ratio Lower Upper
168 100
99 75.5 57.1 85.7



#5
Bromomethane
Concen: 0.277 ug/l
RT: 3.000 min Scan# 178
Delta R.T. 0.024 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

Tgt Ion: 94 Resp: 435
Ion Ratio Lower Upper
94 100
96 92.5 73.2 109.8

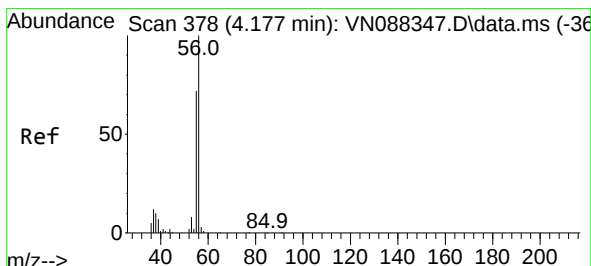
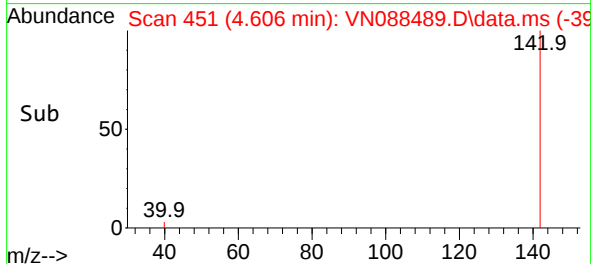
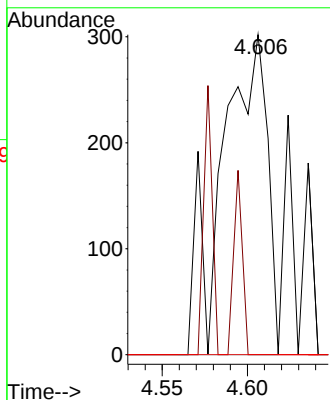
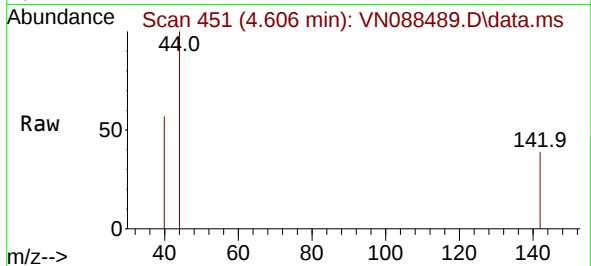




#10
Methyl Iodide
Concen: 0.231 ug/l
RT: 4.606 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

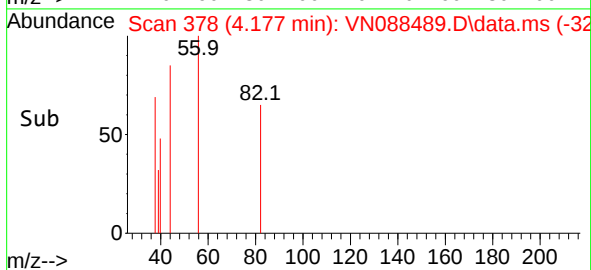
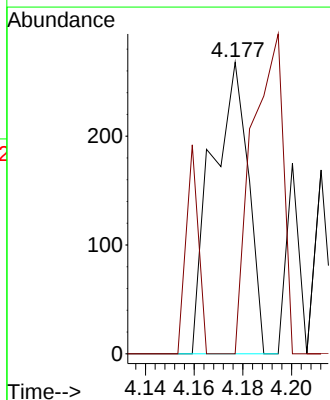
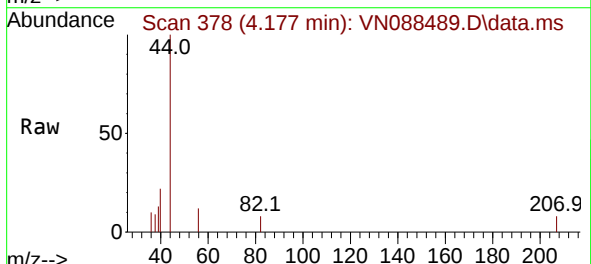
Instrument :
MSVOA_N
ClientSampleId :

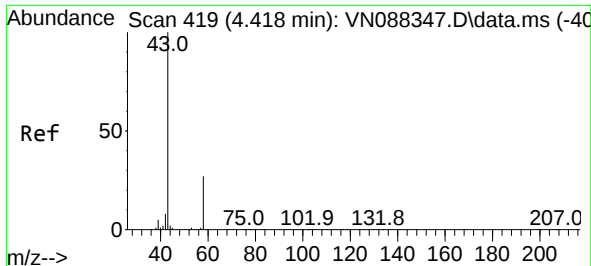
Tgt Ion:142 Resp: 559
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 12.4 18.6#



#13
Acrolein
Concen: 0.485 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

Tgt Ion: 56 Resp: 278
Ion Ratio Lower Upper
56 100
55 24.5 56.3 84.5#

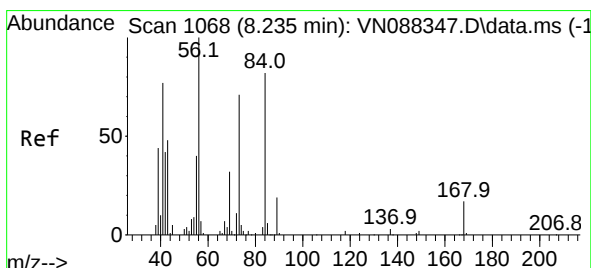
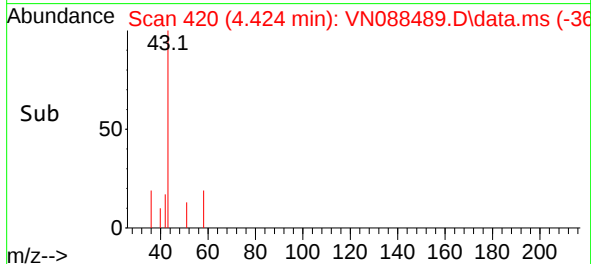
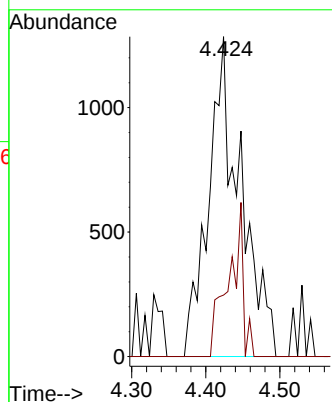
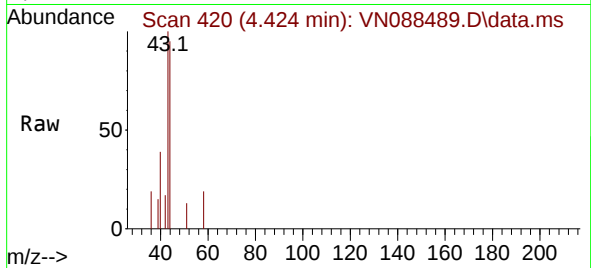




#16
Acetone
Concen: 2.838 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

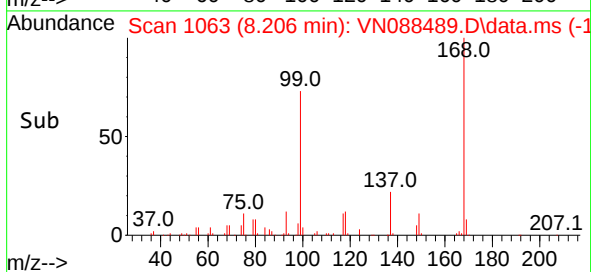
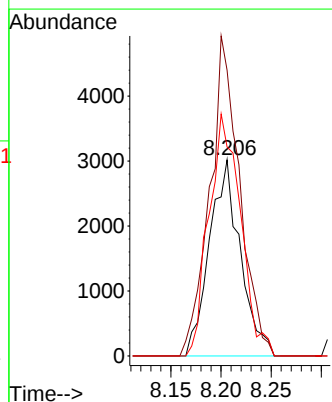
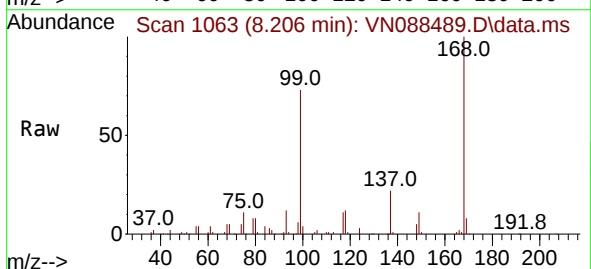
Instrument :
MSVOA_N
ClientSampleId :

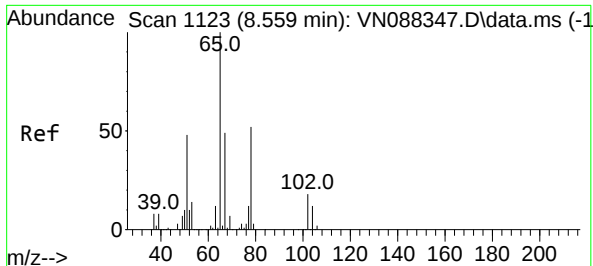
Tgt Ion: 43 Resp: 3851
Ion Ratio Lower Upper
43 100
58 19.2 21.7 32.5#



#31
Cyclohexane
Concen: 1.306 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

Tgt Ion: 56 Resp: 6443
Ion Ratio Lower Upper
56 100
69 145.7 25.3 37.9#
84 106.5 65.4 98.2#





#33

1,2-Dichloroethane-d4

Concen: 57.819 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088489.D

Acq: 10 Dec 2025 10:57

Instrument :

MSVOA_N

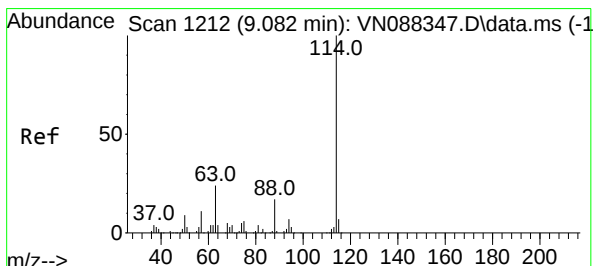
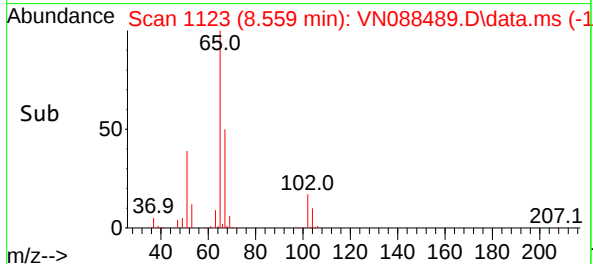
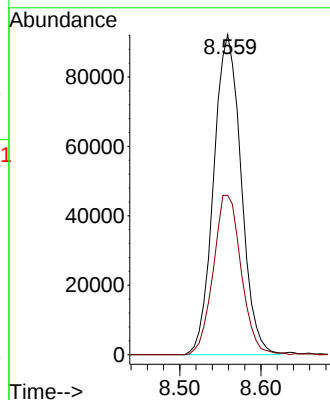
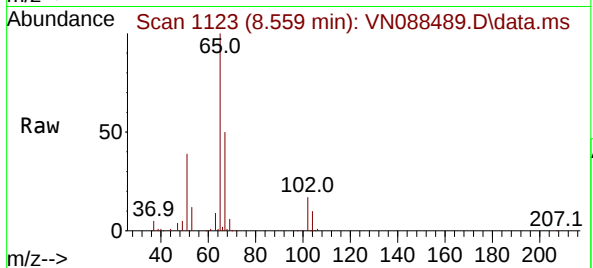
ClientSampleId :

Tgt Ion: 65 Resp: 216905

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: VN088489.D

Acq: 10 Dec 2025 10:57

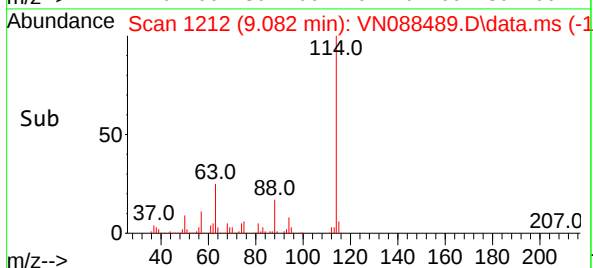
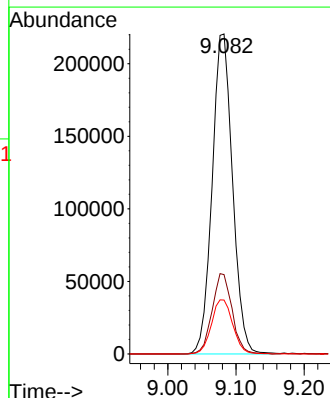
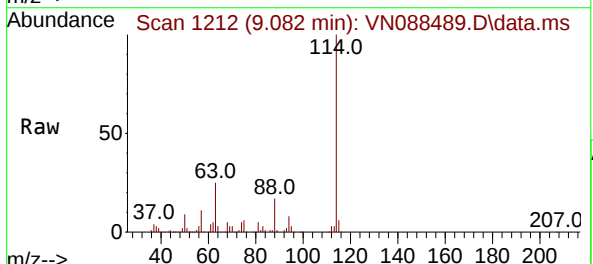
Tgt Ion: 114 Resp: 459524

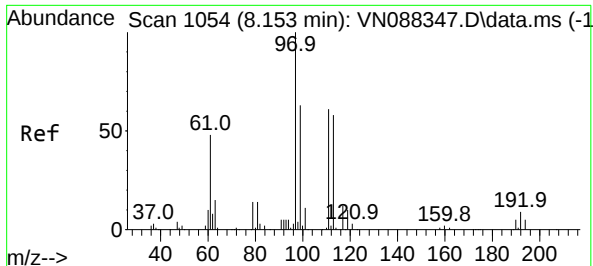
Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.0

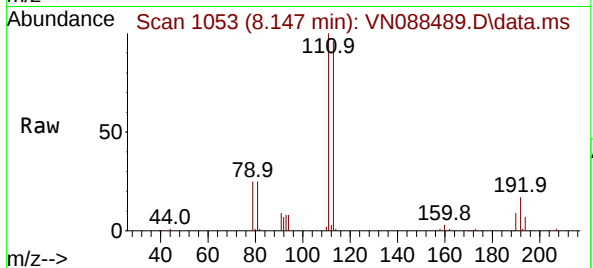
88 16.8 0.0 34.0



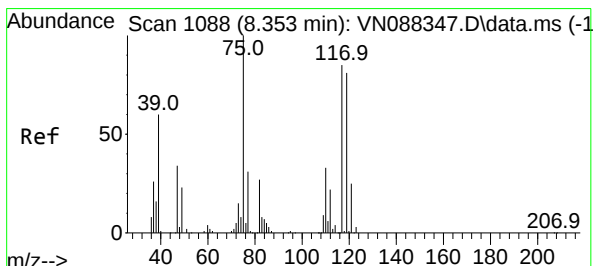
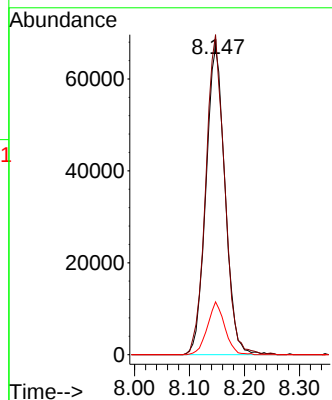
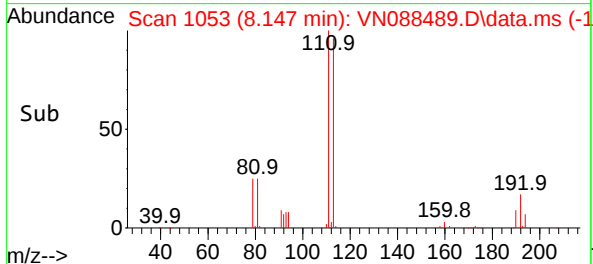


#35
 Dibromofluoromethane
 Concen: 50.790 ug/l
 RT: 8.147 min Scan# 1053
 Delta R.T. -0.006 min
 Lab File: VN088489.D
 Acq: 10 Dec 2025 10:57

Instrument :
 MSVOA_N
 ClientSampleId :

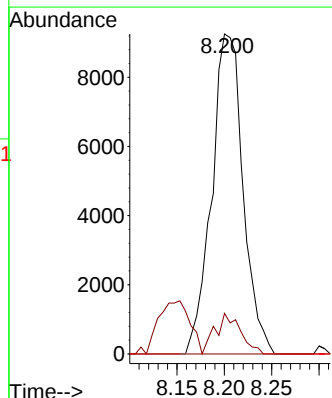
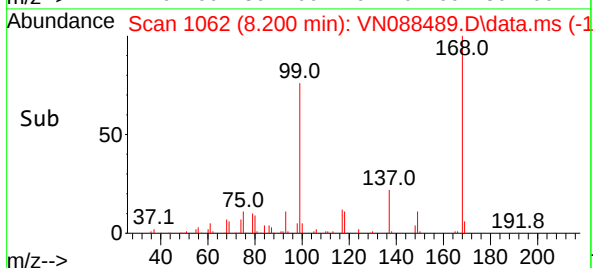
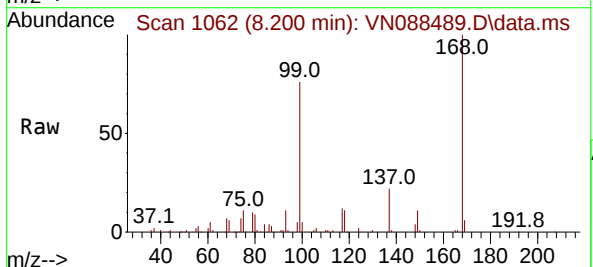


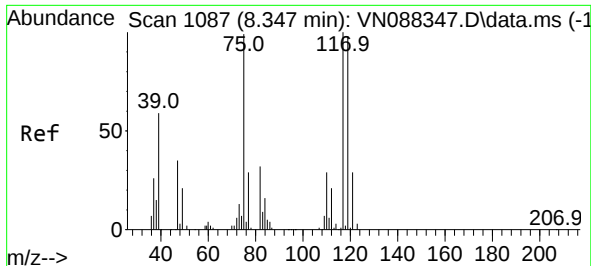
Tgt Ion:113 Resp: 161740
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.5 123.7
 192 15.6 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.330 ug/l
 RT: 8.200 min Scan# 1062
 Delta R.T. -0.153 min
 Lab File: VN088489.D
 Acq: 10 Dec 2025 10:57

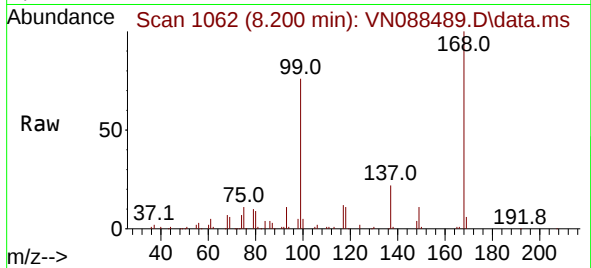
Tgt Ion: 75 Resp: 21281
 Ion Ratio Lower Upper
 75 100
 110 10.2 15.8 47.4#
 77 0.0 24.2 36.2#



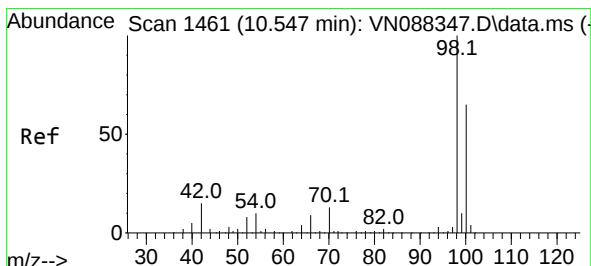
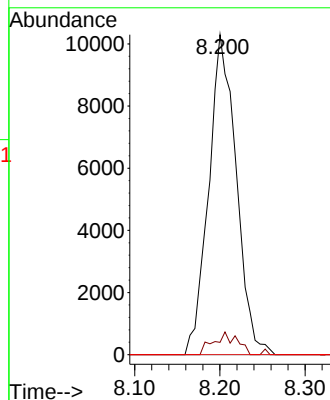
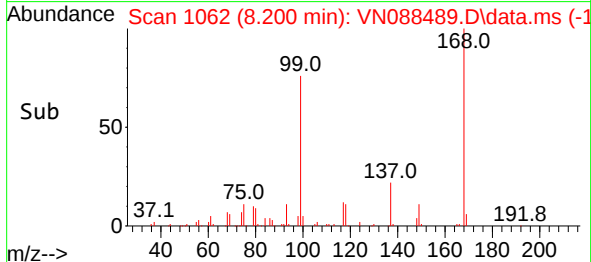


#38
Carbon Tetrachloride
Concen: 4.735 ug/l
RT: 8.200 min Scan# 117
Delta R.T. -0.147 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

Instrument :
MSVOA_N
ClientSampleId :

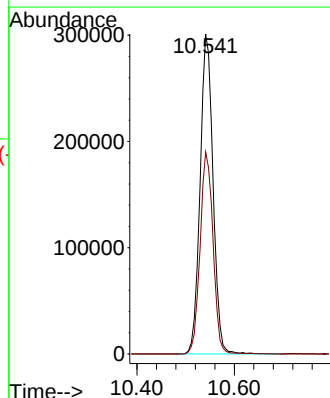
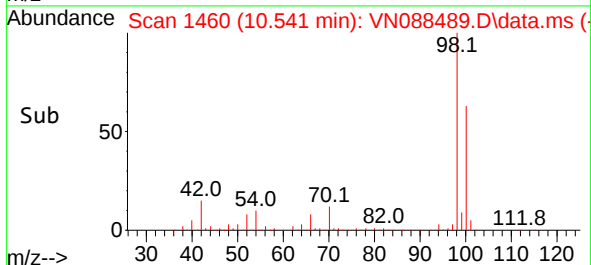
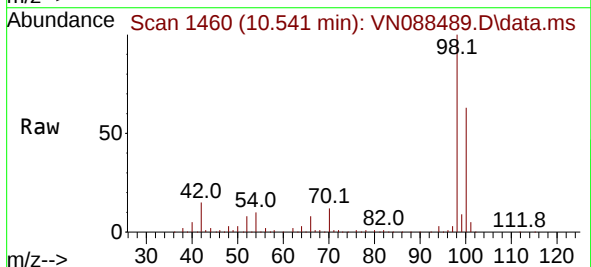


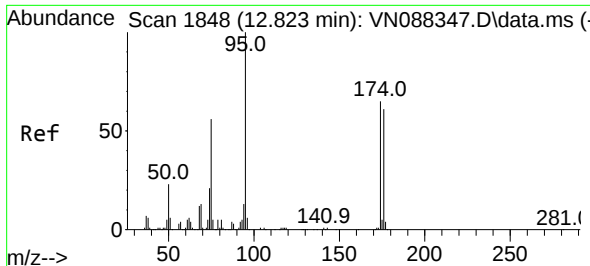
Tgt Ion:117 Resp: 23168
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.4#
121 0.0 23.4 35.2#



#50
Toluene-d8
Concen: 47.015 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

Tgt Ion: 98 Resp: 557070
Ion Ratio Lower Upper
98 100
100 63.2 52.2 78.2

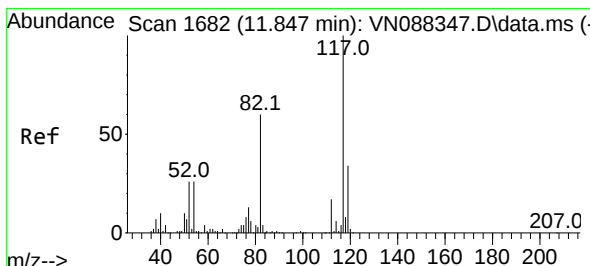
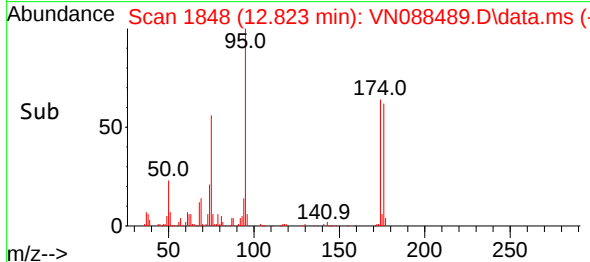
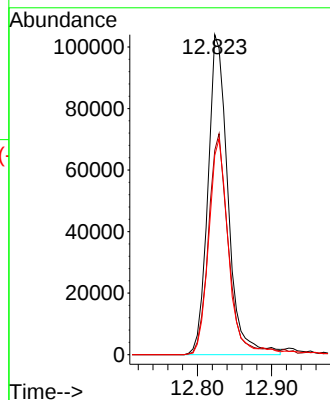
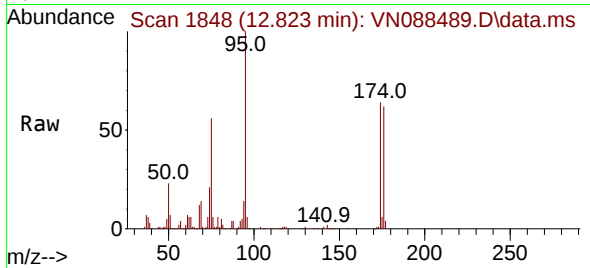




#62
4-Bromofluorobenzene
Concen: 47.967 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

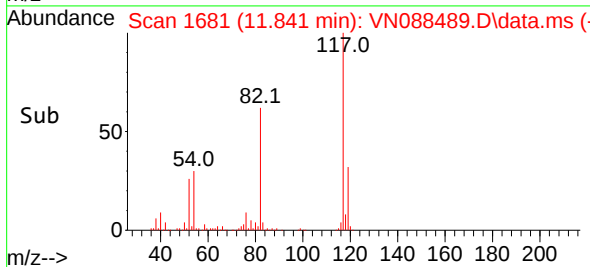
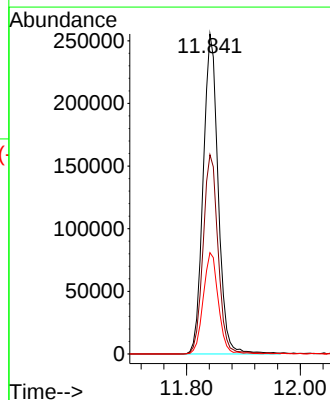
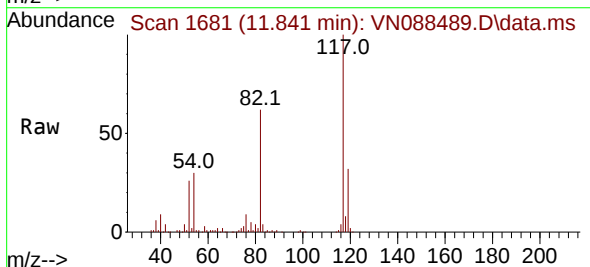
Instrument :
MSVOA_N
ClientSampleId :

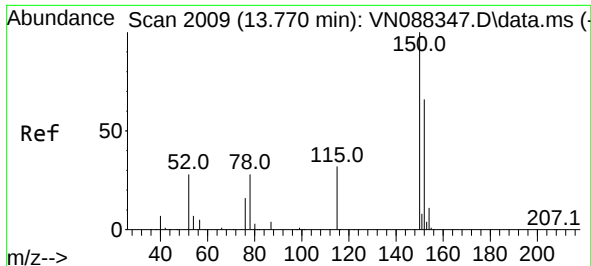
Tgt Ion: 95 Resp: 195010
Ion Ratio Lower Upper
95 100
174 70.0 0.0 139.0
176 65.3 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

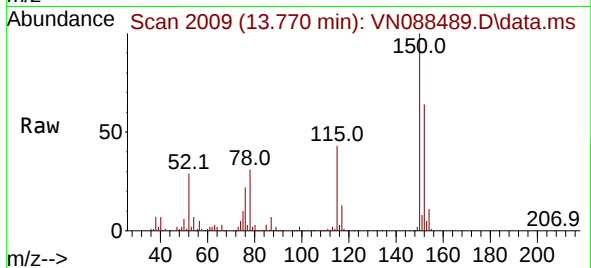
Tgt Ion: 117 Resp: 467279
Ion Ratio Lower Upper
117 100
82 62.2 47.8 71.8
119 31.6 26.9 40.3



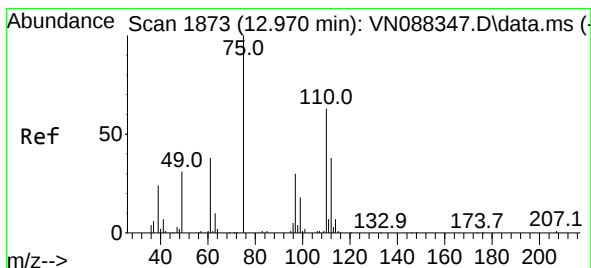
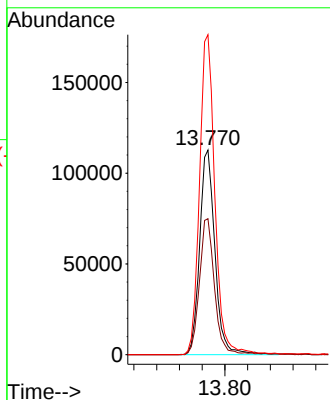
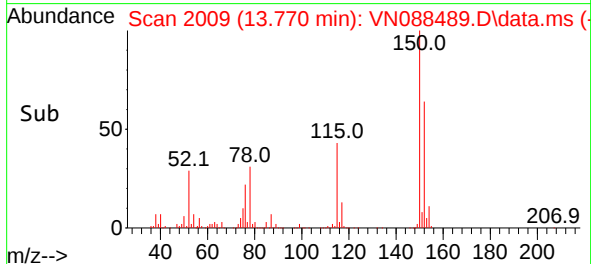


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088489.D
 Acq: 10 Dec 2025 10:57

Instrument :
 MSVOA_N
 ClientSampleId :

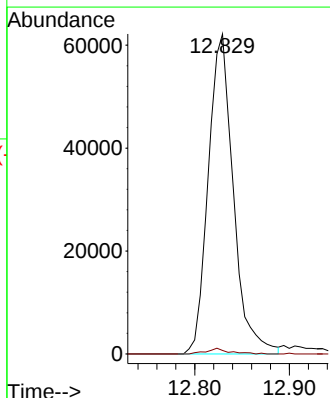
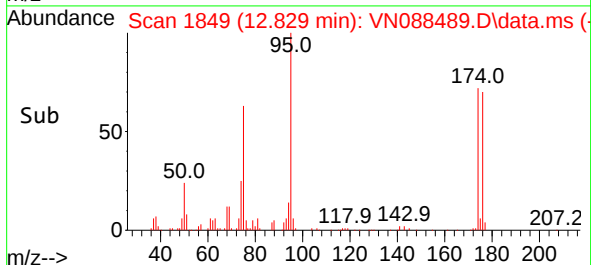
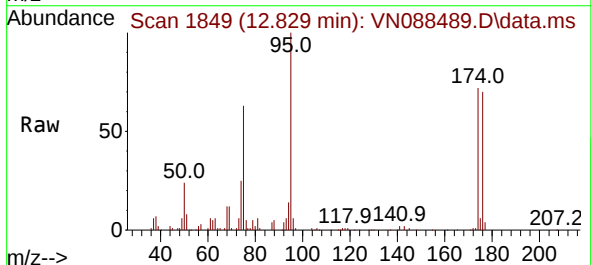


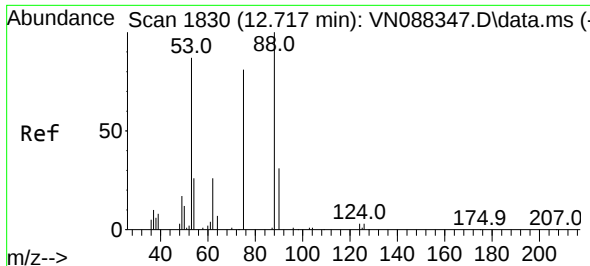
Tgt Ion:152 Resp: 211178
 Ion Ratio Lower Upper
 152 100
 115 64.7 33.0 98.9
 150 156.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 23.127 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088489.D
 Acq: 10 Dec 2025 10:57

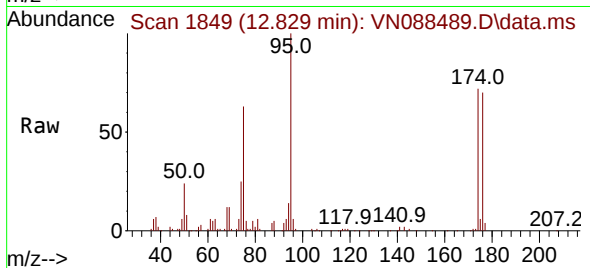
Tgt Ion: 75 Resp: 114391
 Ion Ratio Lower Upper
 75 100
 77 1.6 87.2 261.6#



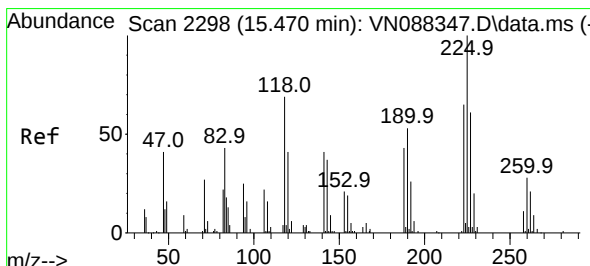
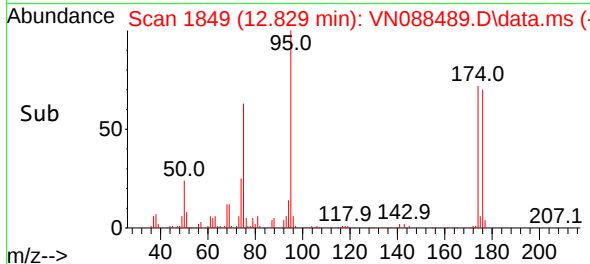
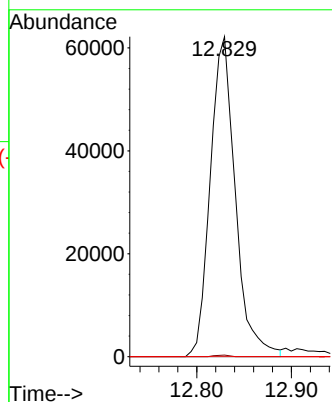


#81
trans-1,4-Dichloro-2-butene
Concen: 65.611 ug/l
RT: 12.829 min Scan# 114391
Delta R.T. 0.112 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 114391
Ion Ratio Lower Upper
75 100
53 0.3 92.2 138.4#
89 0.0 0.0 0.0



#94
Hexachlorobutadiene
Concen: 0.652 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.006 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

Tgt Ion: 225 Resp: 911
Ion Ratio Lower Upper
225 100
223 62.2 32.3 96.8
227 48.4 29.9 89.8

