

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088398.D
 Acq On : 02 Dec 2025 10:40
 Operator : JC\MD
 Sample : VN1202MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 03 01:24:40 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	171979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	394708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	389937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	179883	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	204008	62.970	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	125.940%#
35) Dibromofluoromethane	8.147	113	149305	54.584	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.160%
50) Toluene-d8	10.541	98	523434	51.431	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.860%
62) 4-Bromofluorobenzene	12.823	95	184788	52.916	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.840%

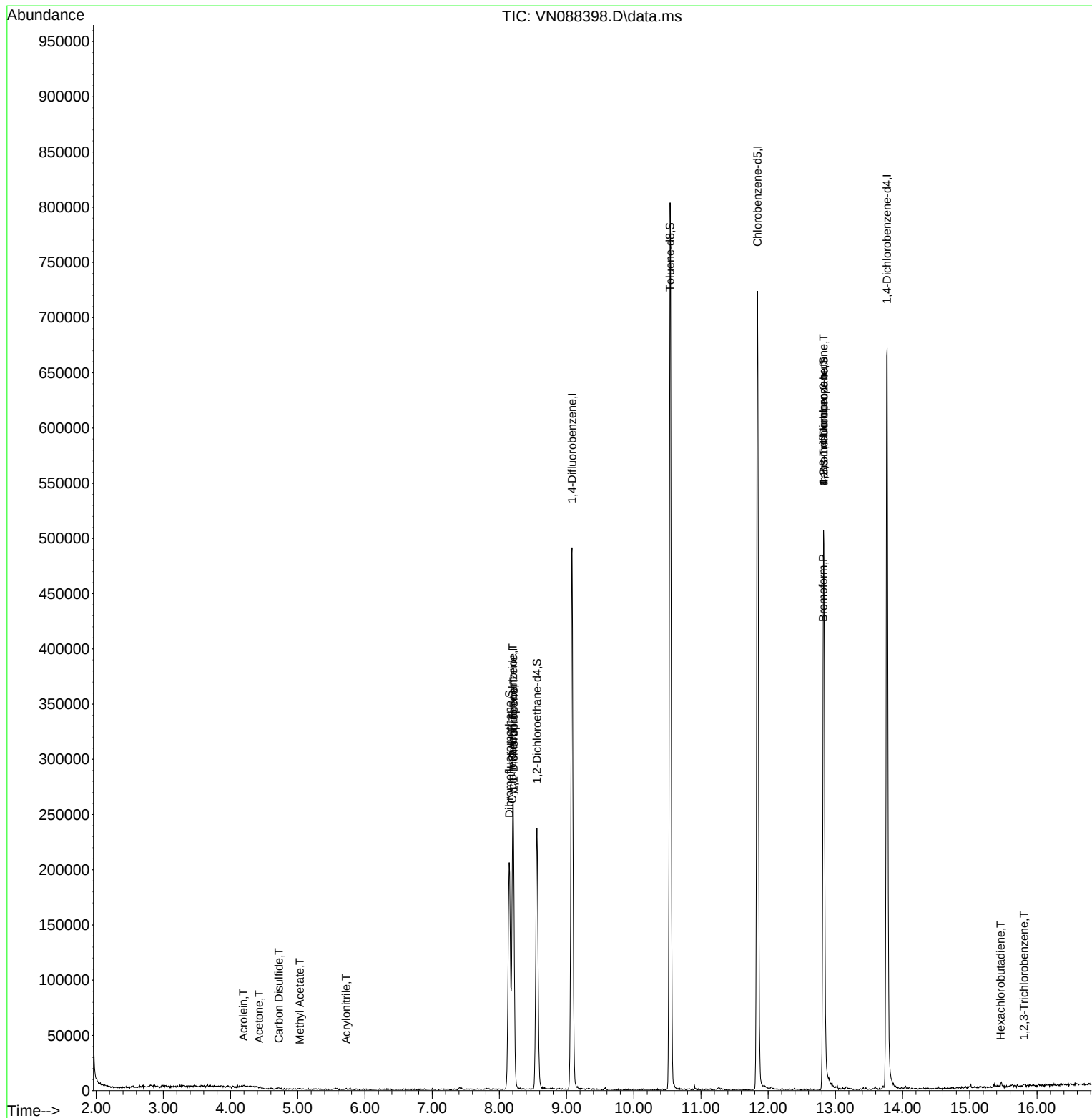
Target Compounds					Qvalue	
13) Acrolein	4.189	56	450	0.909	ug/l #	73
15) Acrylonitrile	5.718	53	579	0.388	ug/l #	51
16) Acetone	4.424	43	1505	1.285	ug/l #	48
17) Carbon Disulfide	4.718	76	2459	0.359	ug/l #	76
18) Methyl Acetate	5.030	43	1202	0.345	ug/l #	53
31) Cyclohexane	8.194	56	6306	1.480	ug/l #	71
36) 1,1-Dichloropropene	8.212	75	17231	4.082	ug/l #	51
38) Carbon Tetrachloride	8.200	117	20643	4.912	ug/l #	16
71) Bromoform	12.817	173	518	0.239	ug/l #	29
76) 1,2,3-Trichloropropane	12.823	75	111687	26.509	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	111687	75.204	ug/l #	1
94) Hexachlorobutadiene	15.458	225	671	0.564	ug/l	70
96) 1,2,3-Trichlorobenzene	15.806	180	836	0.259	ug/l #	61

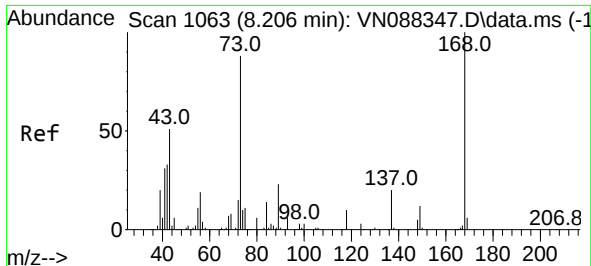
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088398.D
Acq On : 02 Dec 2025 10:40
Operator : JC\MD
Sample : VN1202MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 03 01:24:40 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

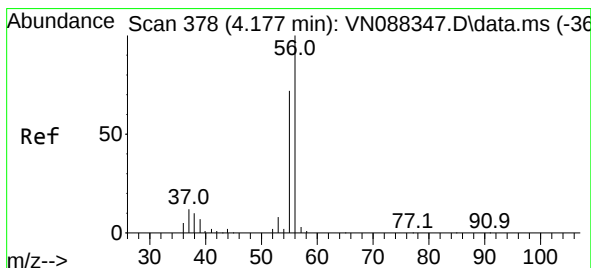
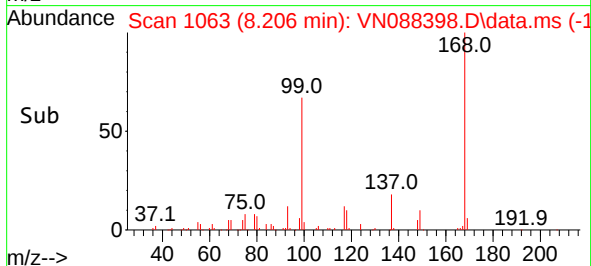
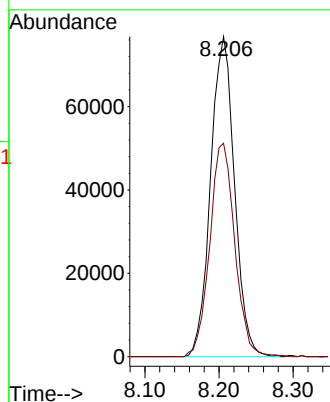
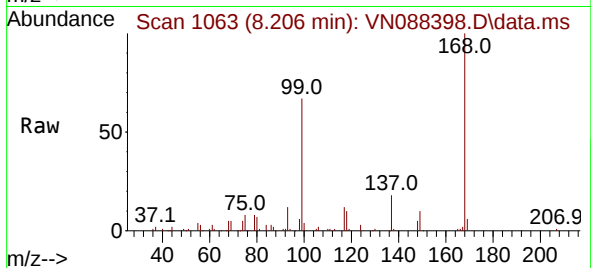




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088398.D
Acq: 02 Dec 2025 10:40

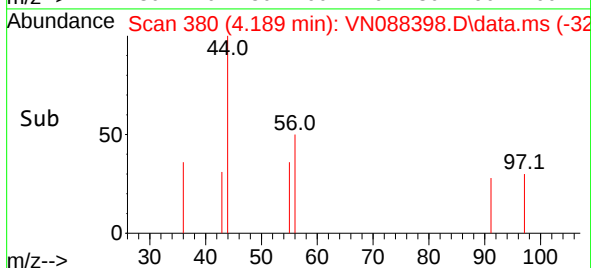
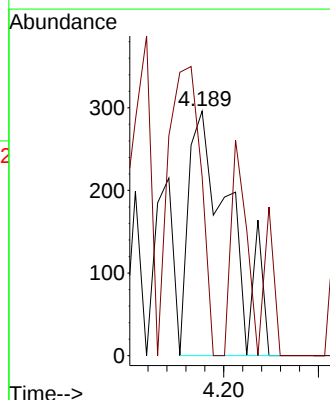
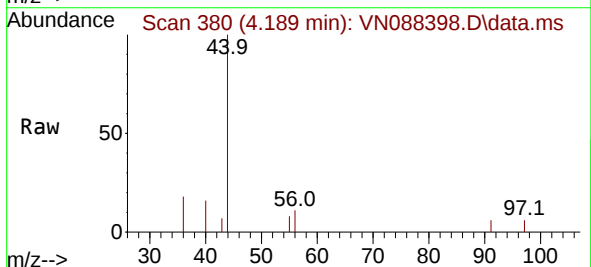
Instrument :
MSVOA_N
ClientSampleId :

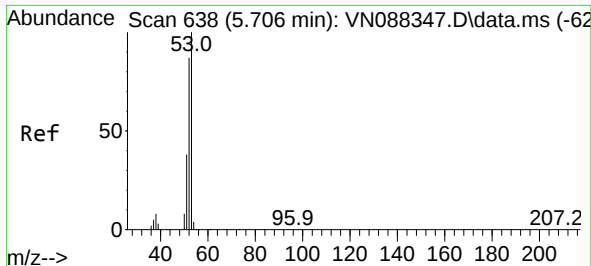
Tgt Ion:168 Resp: 171979
Ion Ratio Lower Upper
168 100
99 66.7 57.1 85.7



#13
Acrolein
Concen: 0.909 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN088398.D
Acq: 02 Dec 2025 10:40

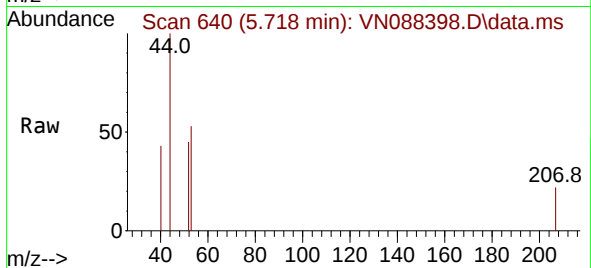
Tgt Ion: 56 Resp: 450
Ion Ratio Lower Upper
56 100
55 92.2 56.3 84.5#



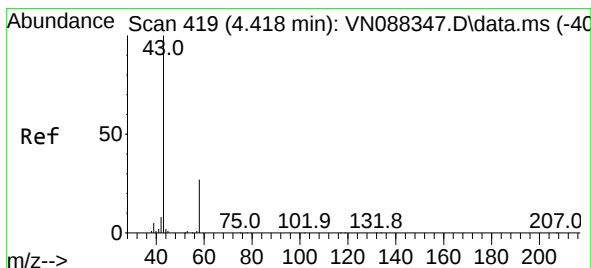
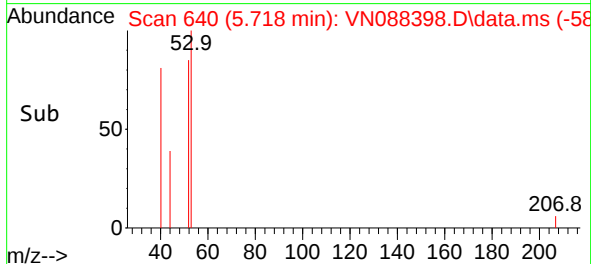
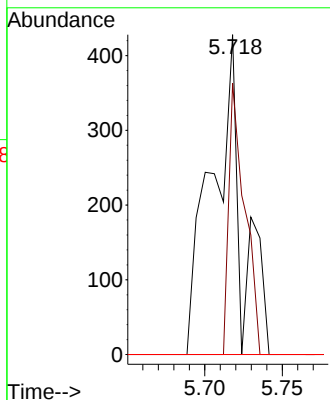


#15
Acrylonitrile
Concen: 0.388 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.012 min
Lab File: VN088398.D
Acq: 02 Dec 2025 10:40

Instrument :
MSVOA_N
ClientSampleId :

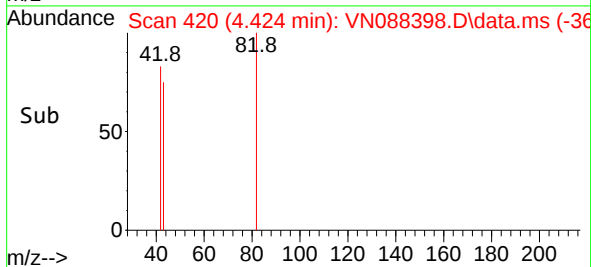
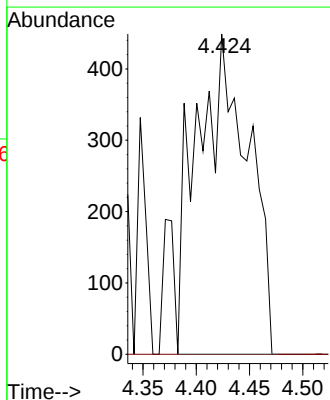
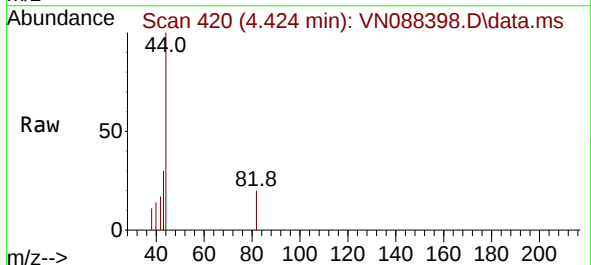


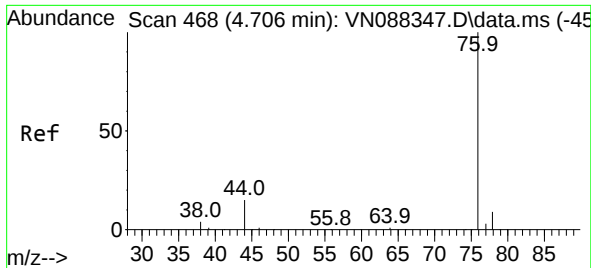
Tgt Ion: 53 Resp: 579
Ion Ratio Lower Upper
53 100
52 44.9 67.8 101.6#
51 0.0 29.8 44.8#



#16
Acetone
Concen: 1.285 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088398.D
Acq: 02 Dec 2025 10:40

Tgt Ion: 43 Resp: 1505
Ion Ratio Lower Upper
43 100
58 0.0 21.7 32.5#

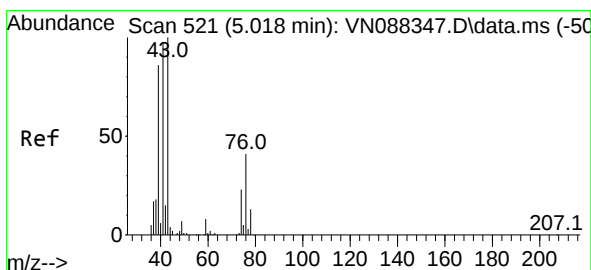
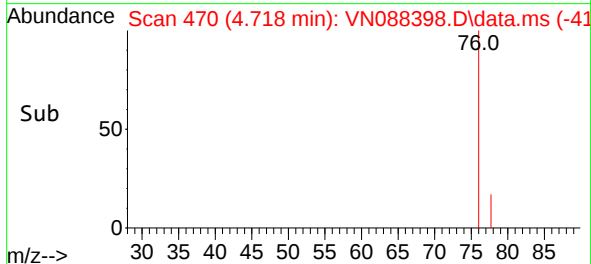
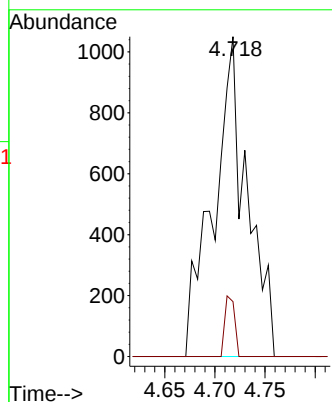
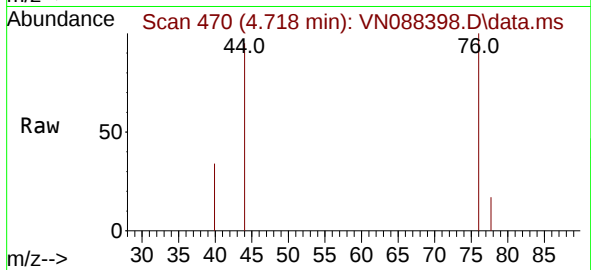




#17
Carbon Disulfide
Concen: 0.359 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN088398.D
Acq: 02 Dec 2025 10:40

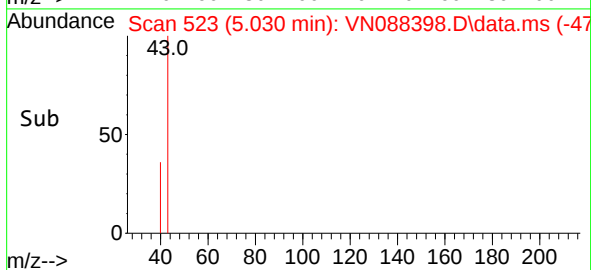
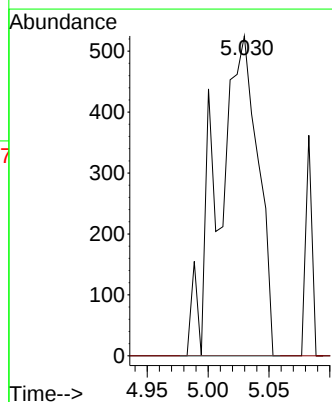
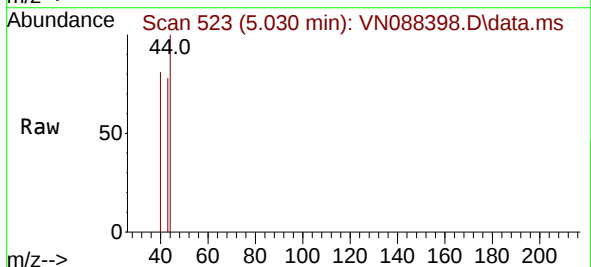
Instrument :
MSVOA_N
ClientSampleId :

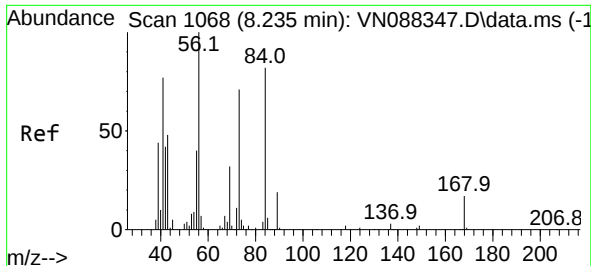
Tgt Ion: 76 Resp: 2459
Ion Ratio Lower Upper
76 100
78 17.1 7.0 10.4#



#18
Methyl Acetate
Concen: 0.345 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN088398.D
Acq: 02 Dec 2025 10:40

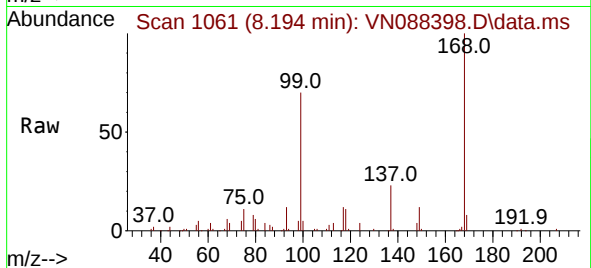
Tgt Ion: 43 Resp: 1202
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#



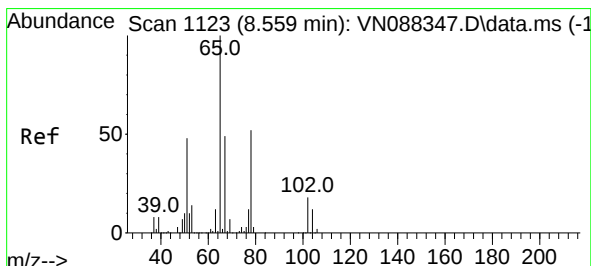
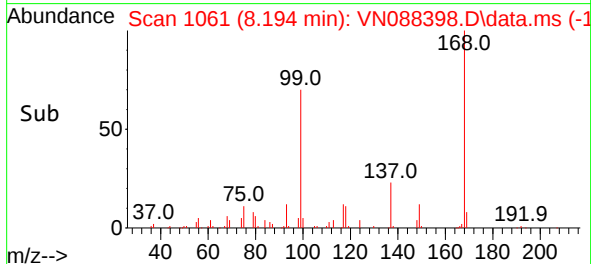
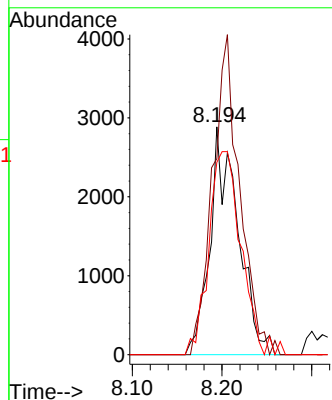


#31
Cyclohexane
Concen: 1.480 ug/l
RT: 8.194 min Scan# 1061
Delta R.T. -0.041 min
Lab File: VN088398.D
Acq: 02 Dec 2025 10:40

Instrument :
MSVOA_N
ClientSampleId :

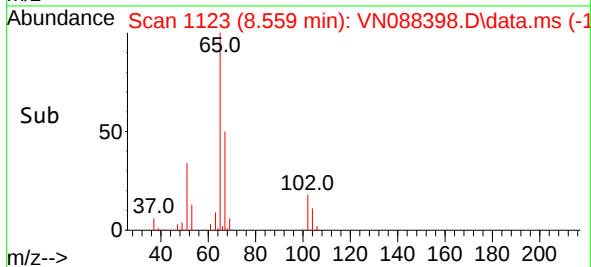
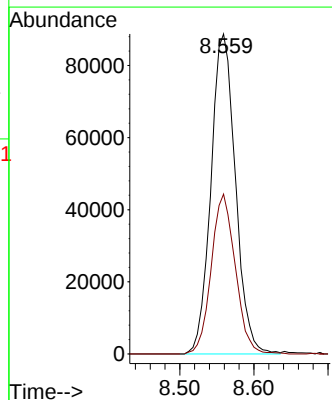
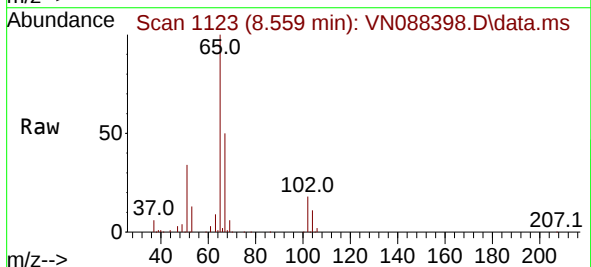


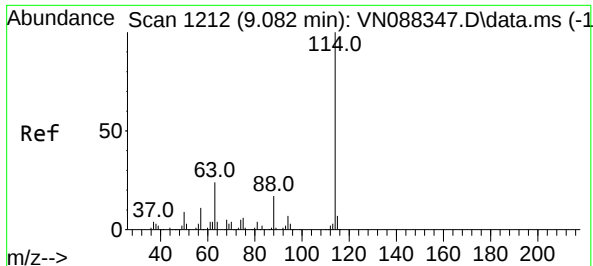
Tgt Ion: 56 Resp: 6306
Ion Ratio Lower Upper
56 100
69 86.0 25.3 37.9#
84 84.4 65.4 98.2



#33
1,2-Dichloroethane-d4
Concen: 62.970 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088398.D
Acq: 02 Dec 2025 10:40

Tgt Ion: 65 Resp: 204008
Ion Ratio Lower Upper
65 100
67 49.0 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: VN088398.D

Acq: 02 Dec 2025 10:40

Instrument :

MSVOA_N

ClientSampleId :

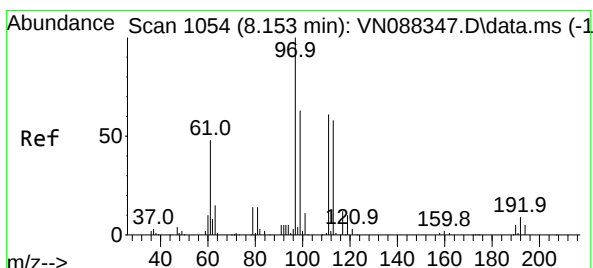
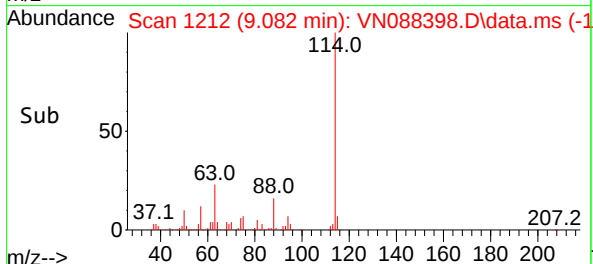
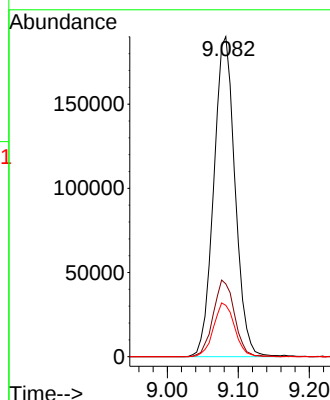
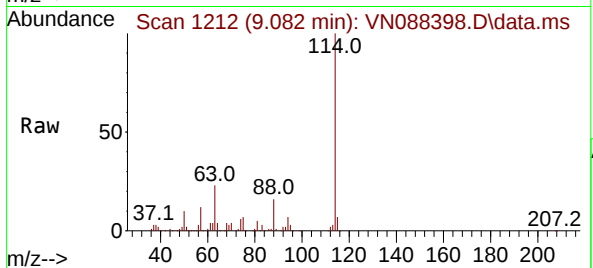
Tgt Ion:114 Resp: 394708

Ion Ratio Lower Upper

114 100

63 22.8 0.0 49.0

88 16.1 0.0 34.0



#35

Dibromofluoromethane

Concen: 54.584 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088398.D

Acq: 02 Dec 2025 10:40

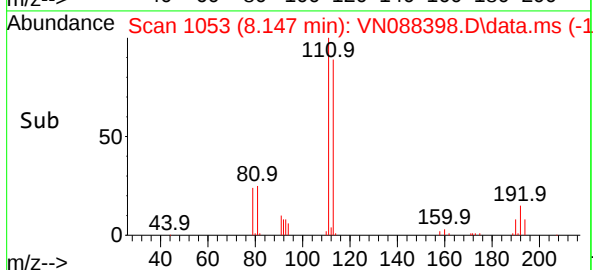
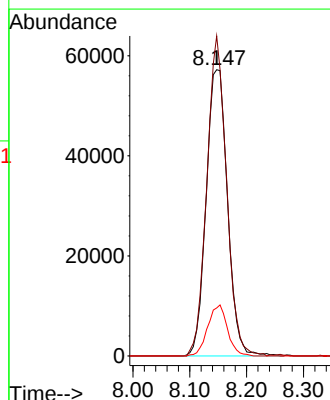
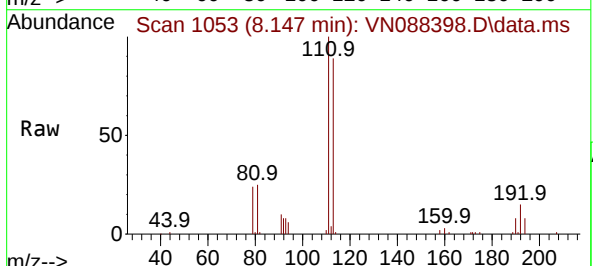
Tgt Ion:113 Resp: 149305

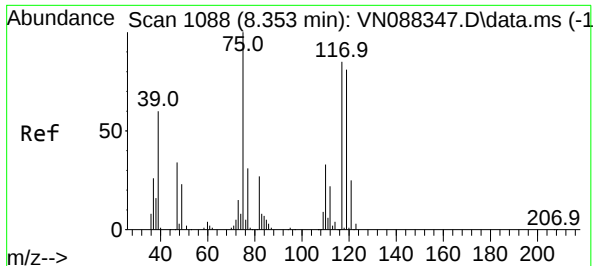
Ion Ratio Lower Upper

113 100

111 103.1 82.5 123.7

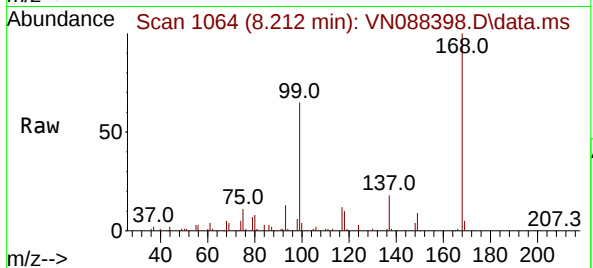
192 16.5 12.8 19.2



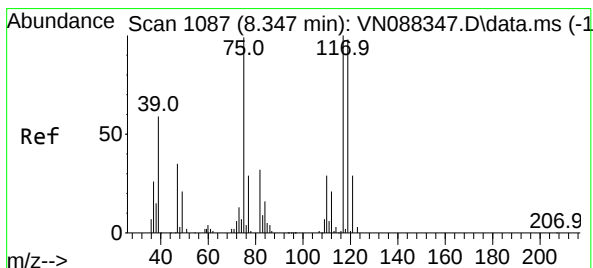
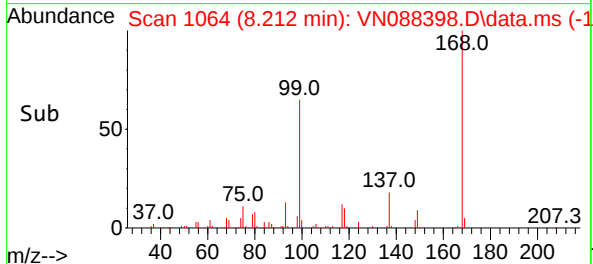
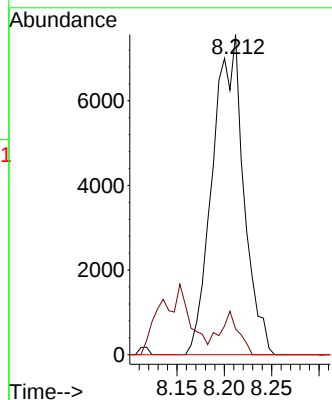


#36
 1,1-Dichloropropene
 Concen: 4.082 ug/l
 RT: 8.212 min Scan# 1064
 Delta R.T. -0.141 min
 Lab File: VN088398.D
 Acq: 02 Dec 2025 10:40

Instrument :
 MSVOA_N
 ClientSampleId :

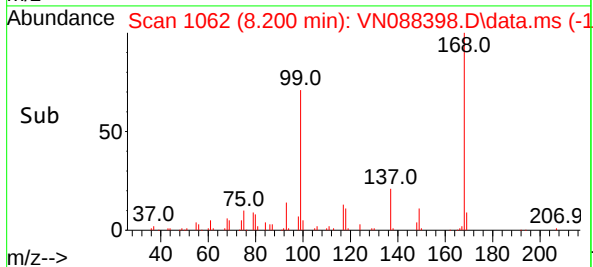
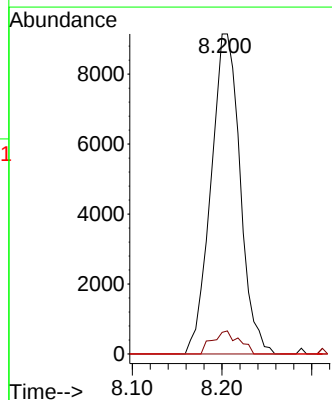
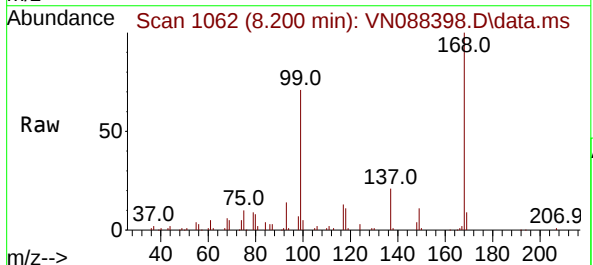


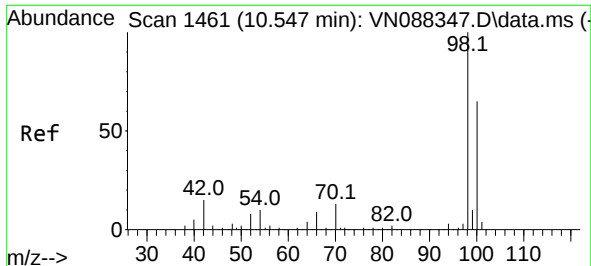
Tgt Ion: 75 Resp: 17231
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.8 47.4#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 4.912 ug/l
 RT: 8.200 min Scan# 1062
 Delta R.T. -0.147 min
 Lab File: VN088398.D
 Acq: 02 Dec 2025 10:40

Tgt Ion: 117 Resp: 20643
 Ion Ratio Lower Upper
 117 100
 119 6.7 78.2 117.4#
 121 0.0 23.4 35.2#

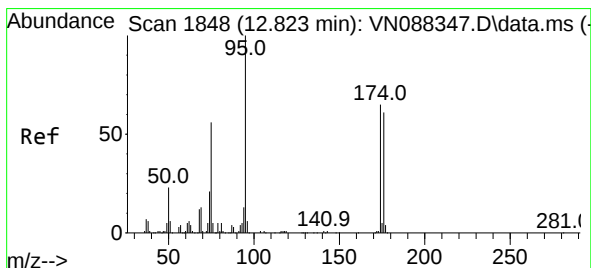
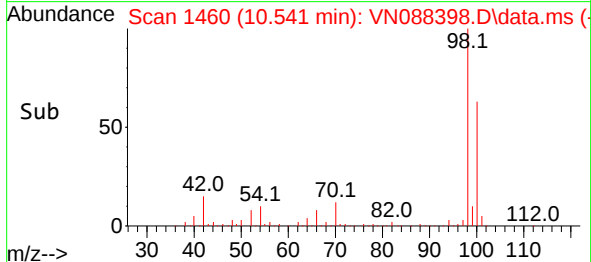
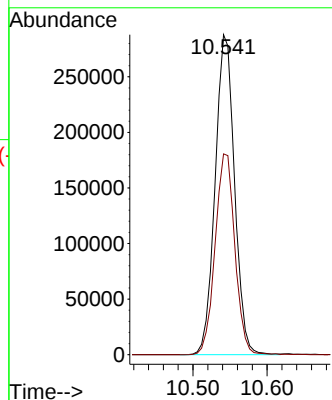
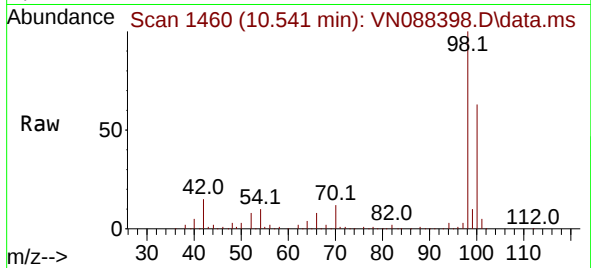




#50
Toluene-d8
Concen: 51.431 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088398.D
Acq: 02 Dec 2025 10:40

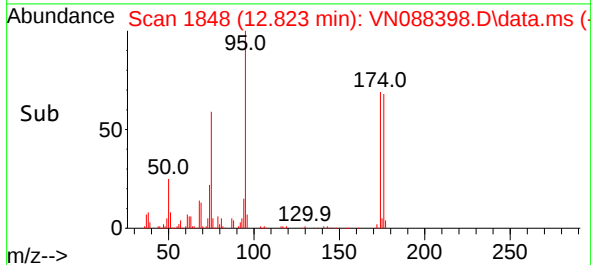
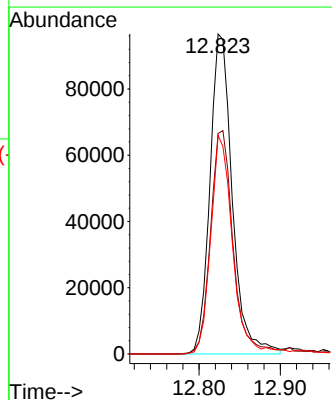
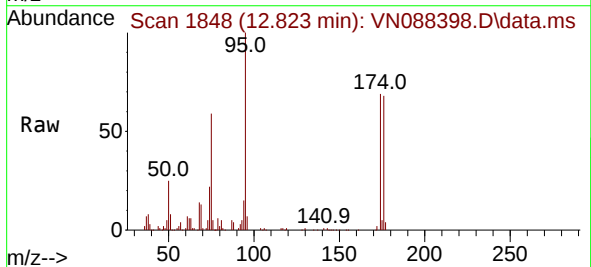
Instrument :
MSVOA_N
ClientSampleId :

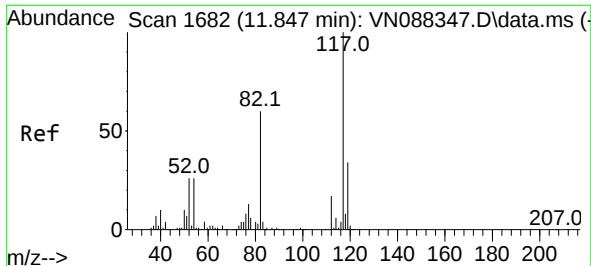
Tgt Ion: 98 Resp: 523434
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 52.916 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088398.D
Acq: 02 Dec 2025 10:40

Tgt Ion: 95 Resp: 184788
Ion Ratio Lower Upper
95 100
174 70.5 0.0 139.0
176 66.8 0.0 132.4

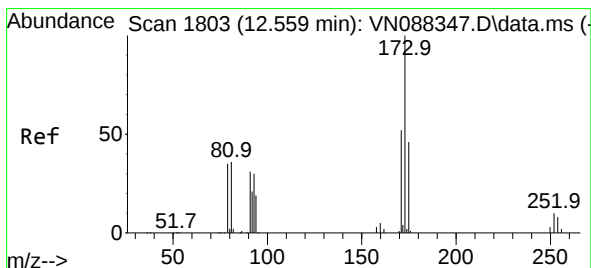
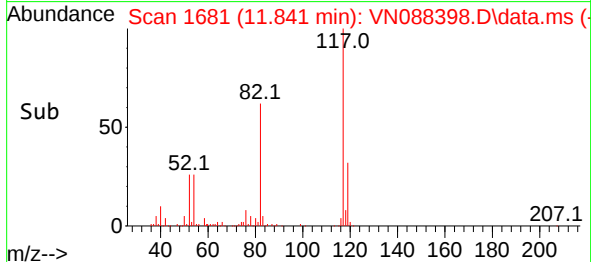
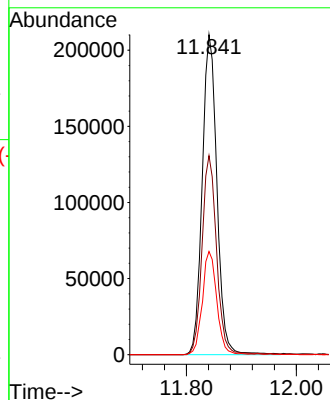
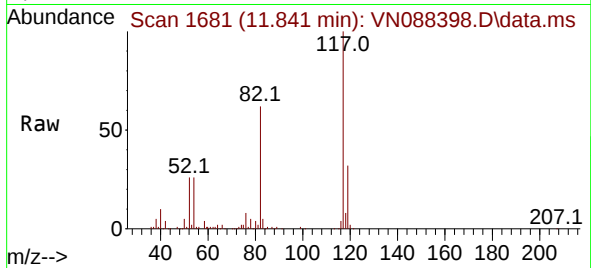




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088398.D
Acq: 02 Dec 2025 10:40

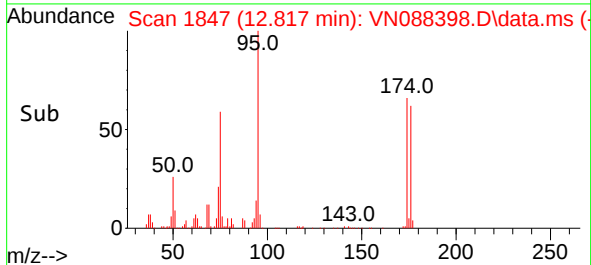
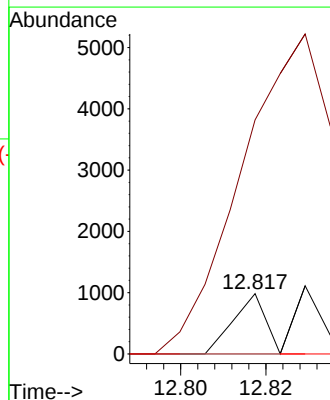
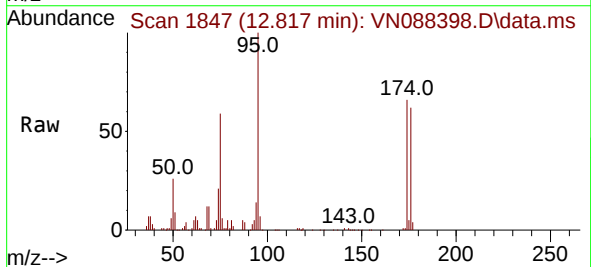
Instrument :
MSVOA_N
ClientSampleId :

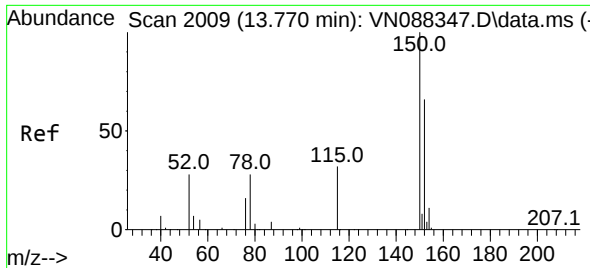
Tgt Ion:117 Resp: 389937
Ion Ratio Lower Upper
117 100
82 62.2 47.8 71.8
119 32.3 26.9 40.3



#71
Bromoform
Concen: 0.239 ug/l
RT: 12.817 min Scan# 1847
Delta R.T. 0.259 min
Lab File: VN088398.D
Acq: 02 Dec 2025 10:40

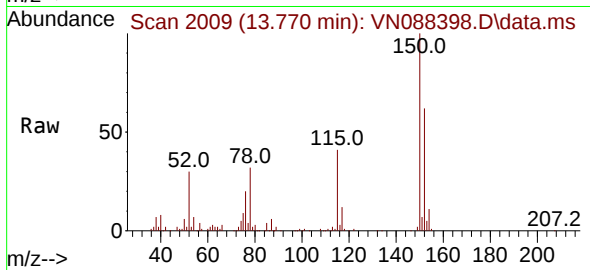
Tgt Ion:173 Resp: 518
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.1 0.1#



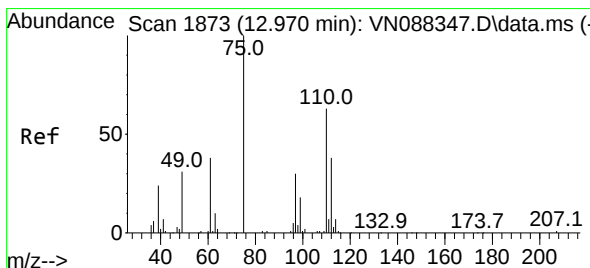
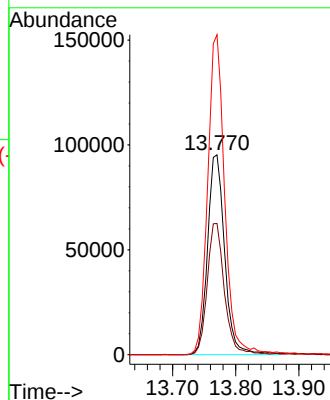
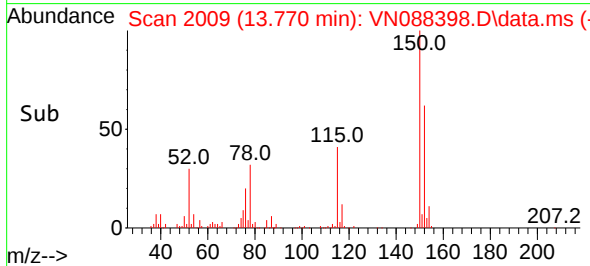


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088398.D
 Acq: 02 Dec 2025 10:40

Instrument :
 MSVOA_N
 ClientSampleId :

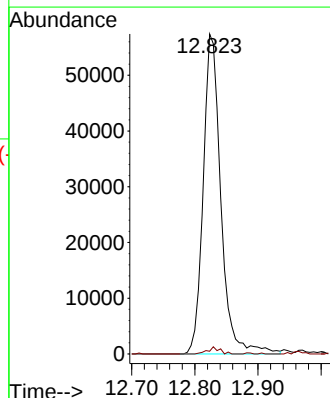
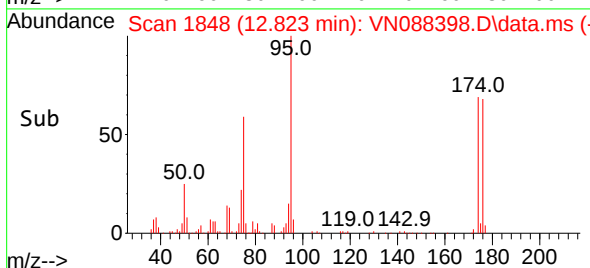
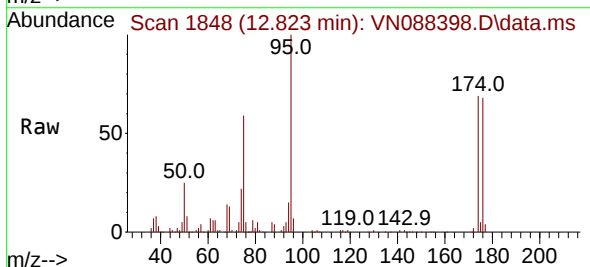


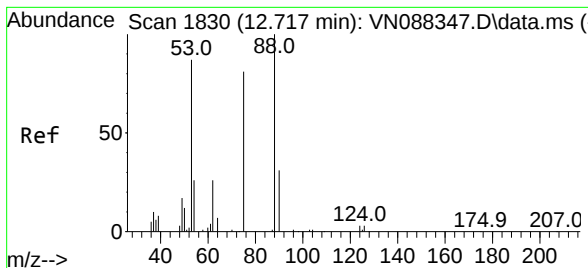
Tgt Ion:152 Resp: 179883
 Ion Ratio Lower Upper
 152 100
 115 65.8 33.0 98.9
 150 159.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.509 ug/l
 RT: 12.823 min Scan# 1848
 Delta R.T. -0.147 min
 Lab File: VN088398.D
 Acq: 02 Dec 2025 10:40

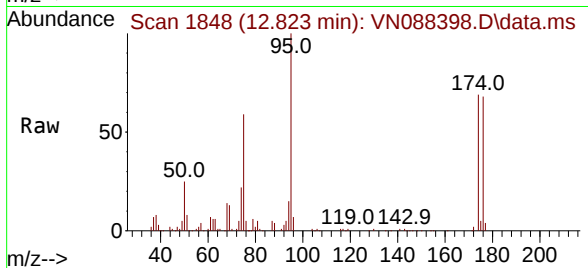
Tgt Ion: 75 Resp: 111687
 Ion Ratio Lower Upper
 75 100
 77 1.5 87.2 261.6#



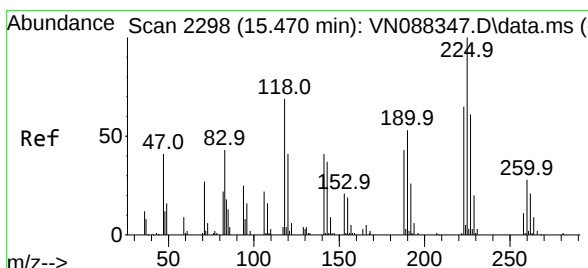
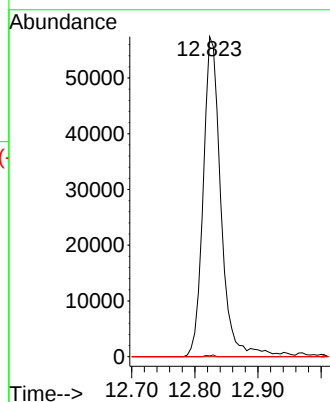
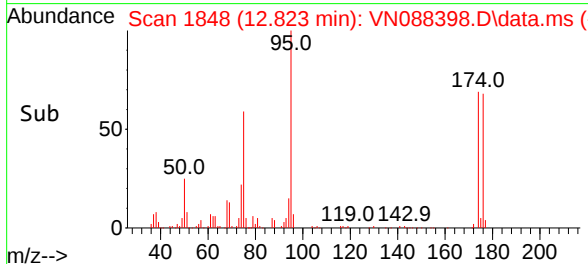


#81
trans-1,4-Dichloro-2-butene
Concen: 75.204 ug/l
RT: 12.823 min Scan# 111687
Delta R.T. 0.106 min
Lab File: VN088398.D
Acq: 02 Dec 2025 10:40

Instrument :
MSVOA_N
ClientSampleId :

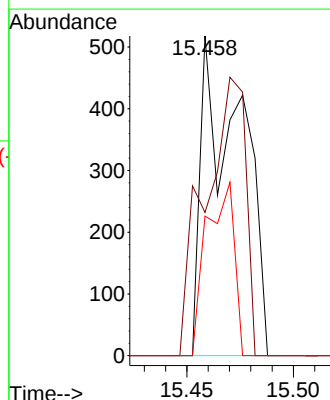
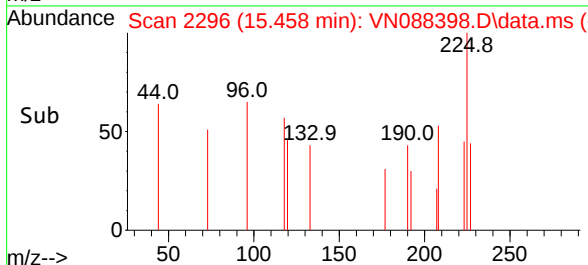
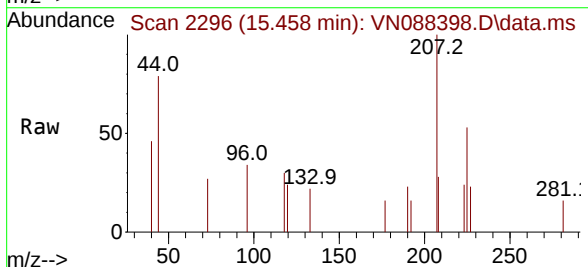


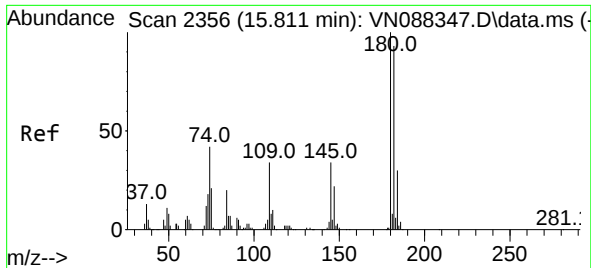
Tgt Ion: 75 Resp: 111687
Ion Ratio Lower Upper
75 100
53 0.2 92.2 138.4#
89 0.0 0.0 0.0



#94
Hexachlorobutadiene
Concen: 0.564 ug/l
RT: 15.458 min Scan# 2296
Delta R.T. -0.012 min
Lab File: VN088398.D
Acq: 02 Dec 2025 10:40

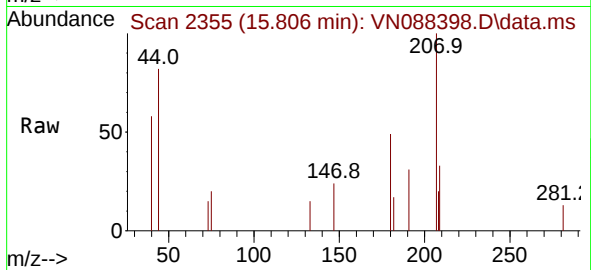
Tgt Ion: 225 Resp: 671
Ion Ratio Lower Upper
225 100
223 88.5 32.3 96.8
227 37.9 29.9 89.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.259 ug/l
 RT: 15.806 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN088398.D
 Acq: 02 Dec 2025 10:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	836
Ion	Ratio	Lower	Upper
180	100		
182	53.1	45.9	137.7
145	15.0	17.8	53.4#

