

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087568.D
 Acq On : 14 Aug 2025 16:04
 Operator : JC\MD
 Sample : Q2842-03 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

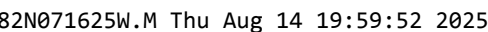
Quant Time: Aug 14 19:59:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

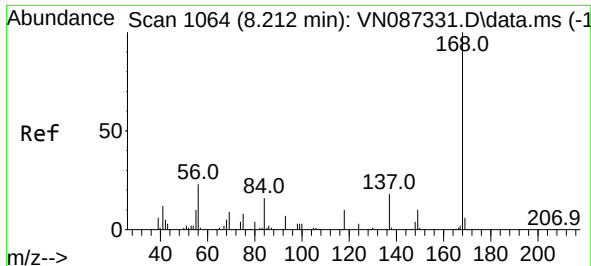
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.212	168	219937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	487780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	455235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	209426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	211074	56.560	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.120%
35) Dibromofluoromethane	8.153	113	151622	45.062	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.120%
50) Toluene-d8	10.547	98	557660	46.463	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.920%
62) 4-Bromofluorobenzene	12.829	95	201626	45.470	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.940%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.548	62	932	0.319	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	4.359	101	2429	1.096	ug/l #	75
12) 1,1-Dichloroethene	4.336	96	610	0.243	ug/l #	36
13) Acrolein	4.183	56	288	0.506	ug/l #	1
16) Acetone	4.424	43	1721	0.984	ug/l #	80
18) Methyl Acetate	5.024	43	1129	0.257	ug/l #	54
20) Methylene Chloride	5.242	84	186	Below Cal	#	75
27) cis-1,2-Dichloroethene	7.477	96	99130	30.410	ug/l	93
31) Cyclohexane	8.212	56	7147	1.558	ug/l #	21
36) 1,1-Dichloropropene	8.212	75	23833	5.361	ug/l #	50
38) Carbon Tetrachloride	8.212	117	26903	5.494	ug/l #	14
44) Trichloroethene	9.335	130	123655	36.424	ug/l	98
51) 4-Methyl-2-Pentanone	10.547	43	3514	0.557	ug/l #	1
56) Ethyl methacrylate	10.847	69	71	0.647	ug/l #	68
60) Dibromochloromethane	11.082	129	1847	0.458	ug/l #	10
64) Tetrachloroethene	11.082	164	1650	0.563	ug/l #	81
71) Bromoform	12.812	173	622	0.222	ug/l #	29
76) 1,2,3-Trichloropropane	12.829	75	113986	24.272	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	113986	66.412	ug/l #	8

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

Quant Time: Aug 14 19:59:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
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Response via : Initial Calibration

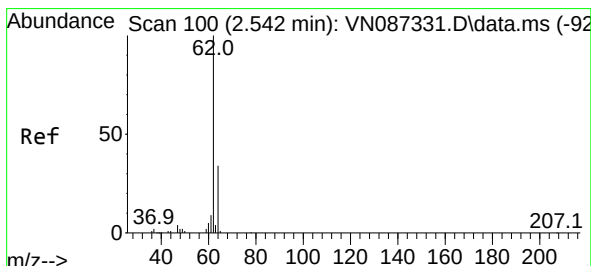
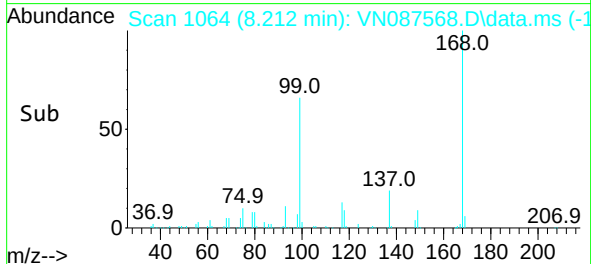
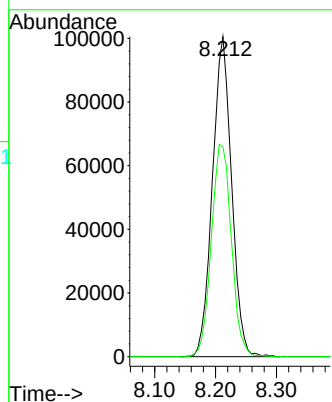
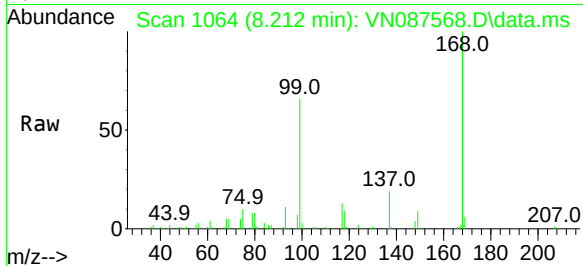




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

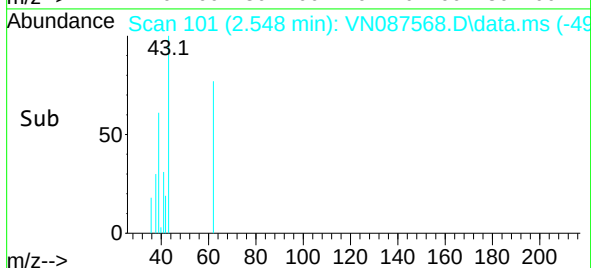
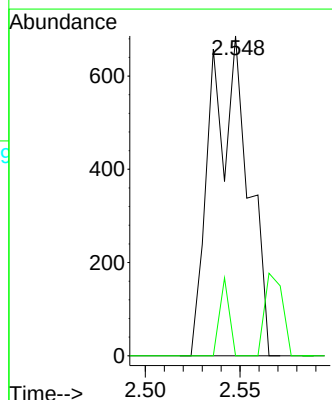
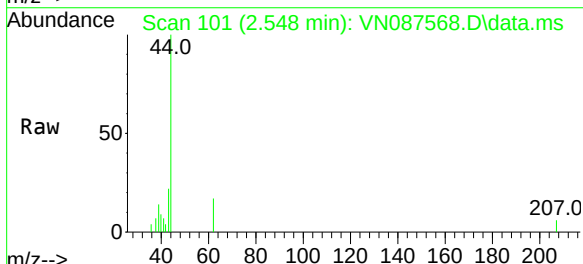
Instrument :
MSVOA_N
ClientSampleId :

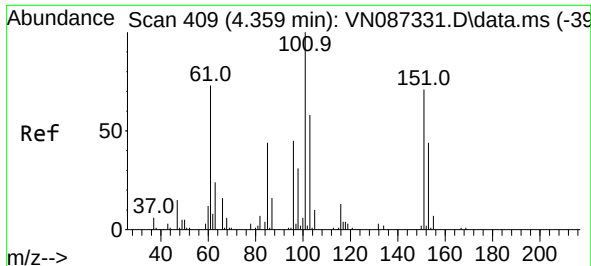
Tgt Ion:168 Resp: 219937
Ion Ratio Lower Upper
168 100
99 65.5 47.9 71.9



#4
Vinyl Chloride
Concen: 0.319 ug/l
RT: 2.548 min Scan# 101
Delta R.T. 0.006 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion: 62 Resp: 932
Ion Ratio Lower Upper
62 100
64 0.0 27.0 40.6#

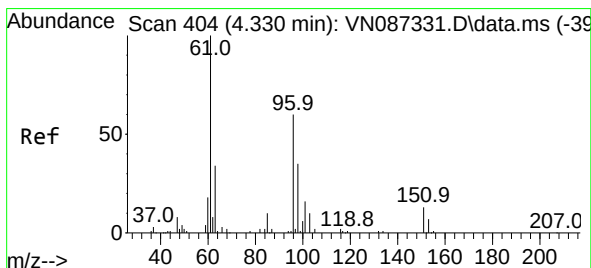
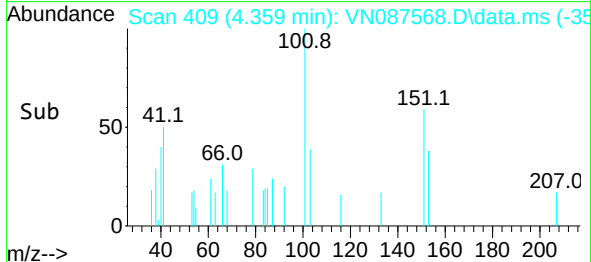
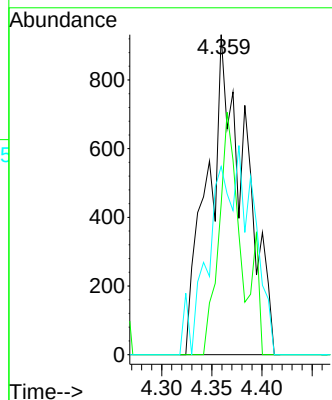
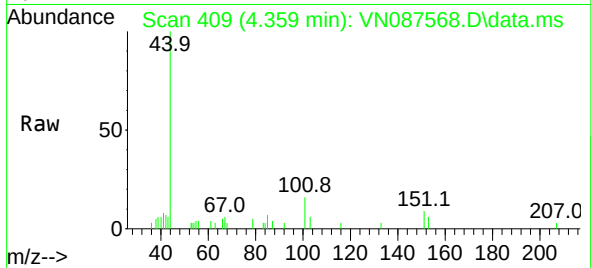




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.096 ug/l
RT: 4.359 min Scan# 409
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

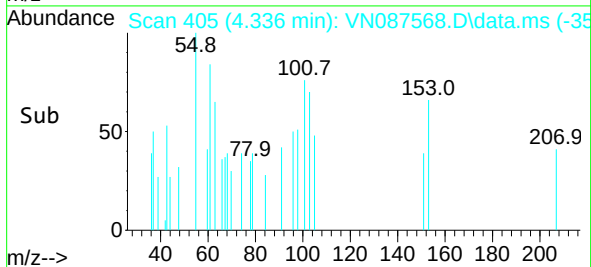
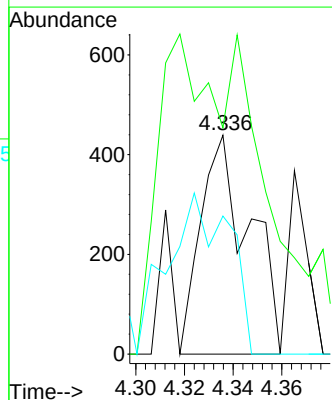
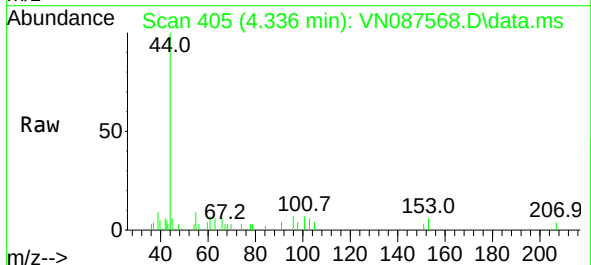
Instrument :
MSVOA_N
ClientSampleId :

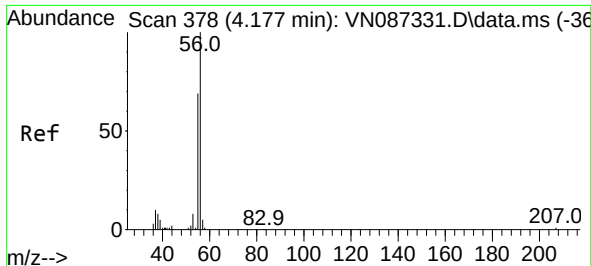
Tgt Ion:101 Resp: 2429
Ion Ratio Lower Upper
101 100
85 45.2 37.3 55.9
151 40.9 58.9 88.3#



#12
1,1-Dichloroethene
Concen: 0.243 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.006 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion: 96 Resp: 610
Ion Ratio Lower Upper
96 100
61 51.9 132.3 198.5#
98 63.1 46.8 70.2

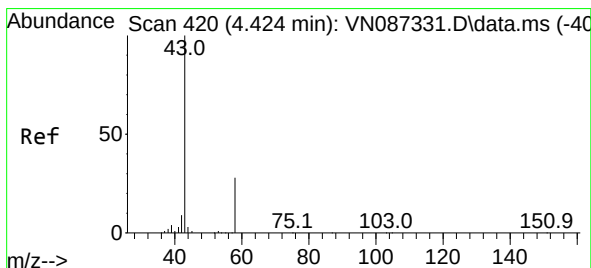
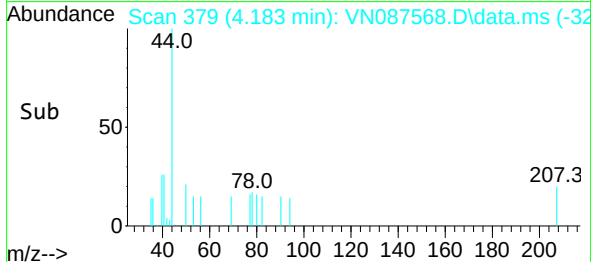
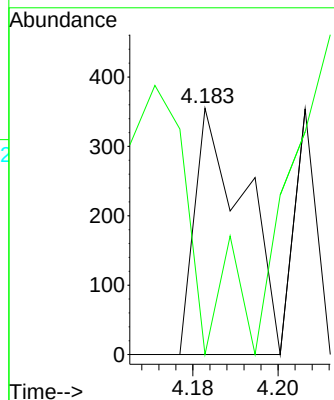
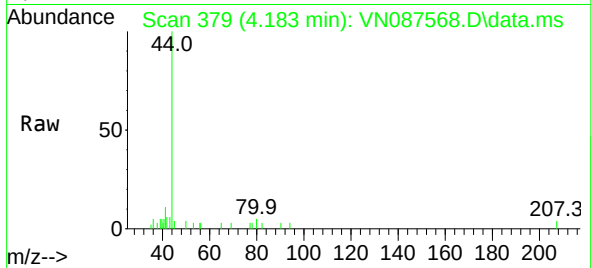




#13
Acrolein
Concen: 0.506 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

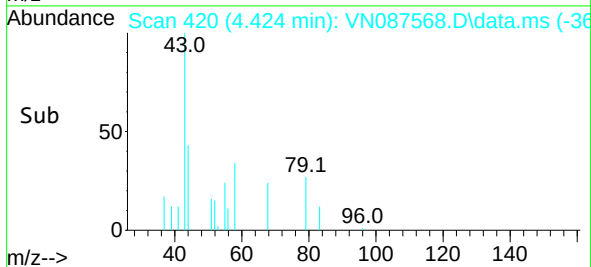
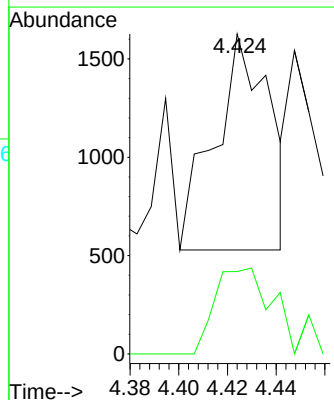
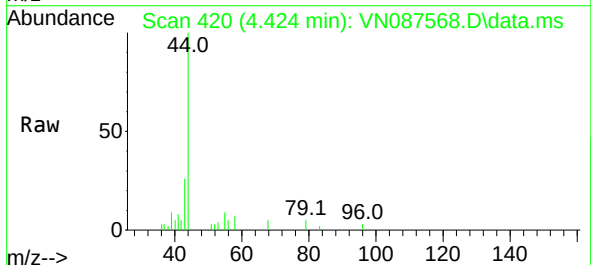
Instrument :
MSVOA_N
ClientSampleId :

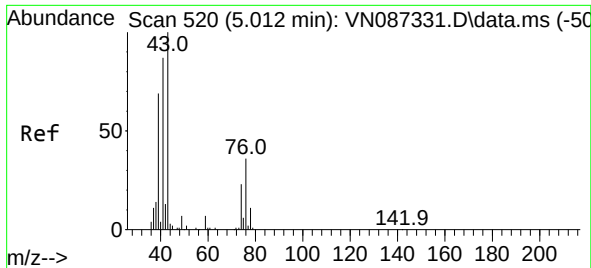
Tgt Ion: 56 Resp: 288
Ion Ratio Lower Upper
56 100
55 259.4 56.2 84.4#



#16
Acetone
Concen: 0.984 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion: 43 Resp: 1721
Ion Ratio Lower Upper
43 100
58 38.2 22.3 33.5#

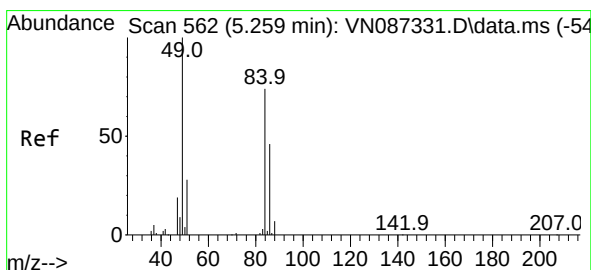
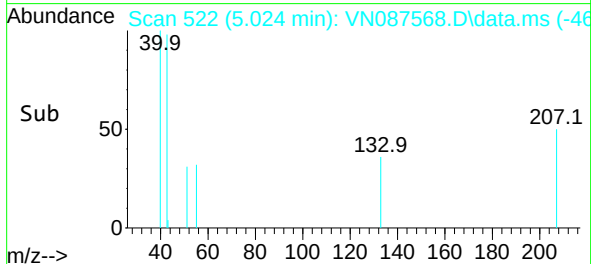
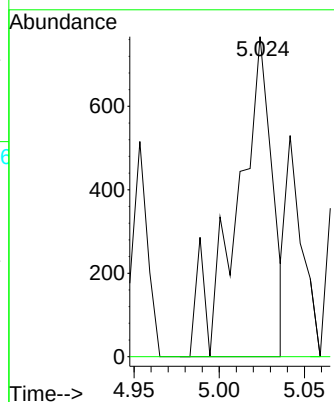
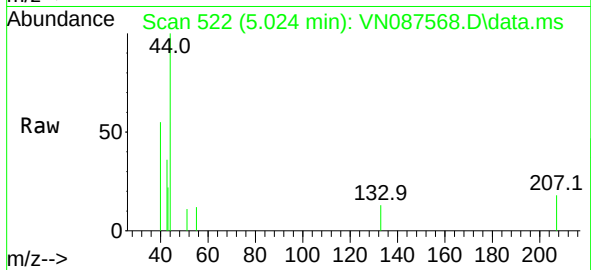




#18
Methyl Acetate
Concen: 0.257 ug/l
RT: 5.024 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

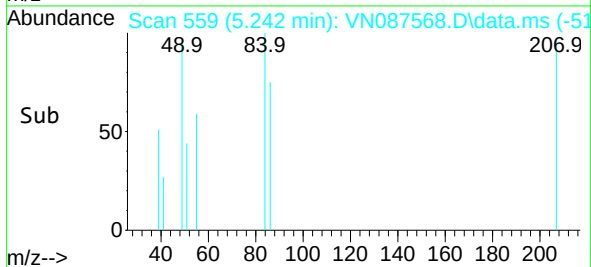
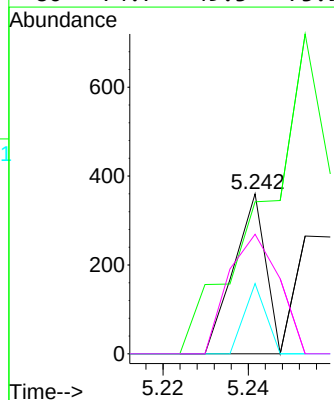
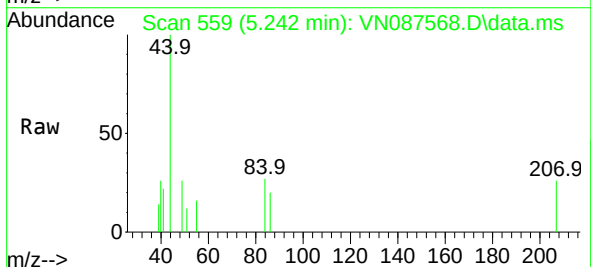
Instrument :
MSVOA_N
ClientSampleId :

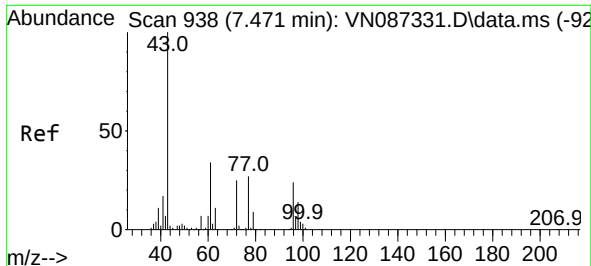
Tgt Ion: 43 Resp: 1129
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.242 min Scan# 559
Delta R.T. -0.017 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

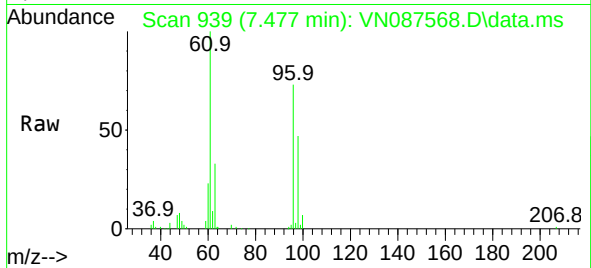
Tgt Ion: 84 Resp: 186
Ion Ratio Lower Upper
84 100
49 95.0 107.5 161.3#
51 43.9 30.2 45.2
86 74.7 49.3 73.9#



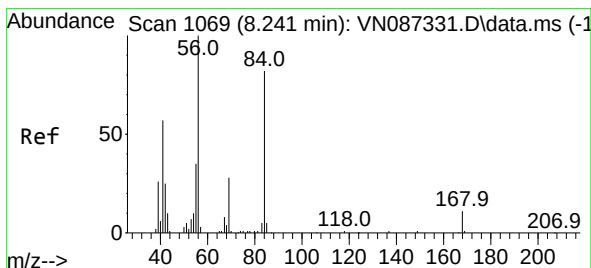
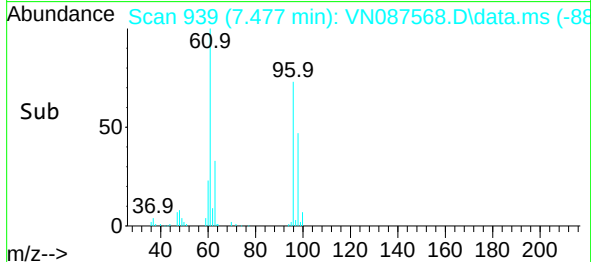
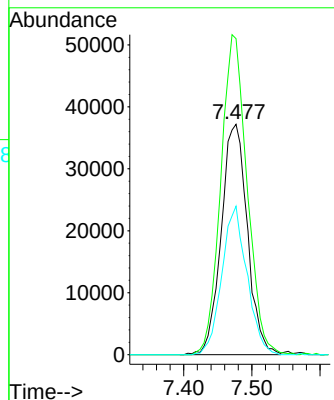


#27
 cis-1,2-Dichloroethene
 Concen: 30.410 ug/l
 RT: 7.477 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN087568.D
 Acq: 14 Aug 2025 16:04

Instrument :
 MSVOA_N
 ClientSampleId :

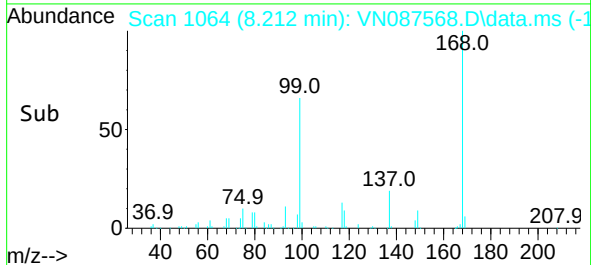
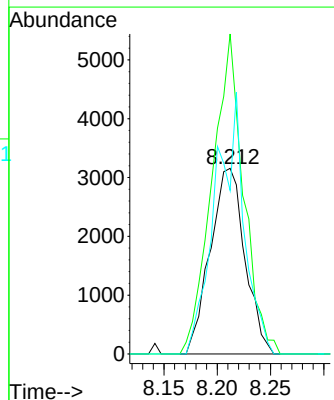
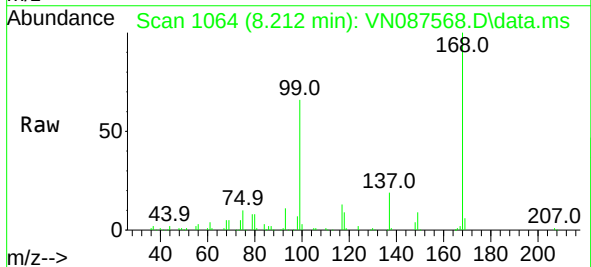


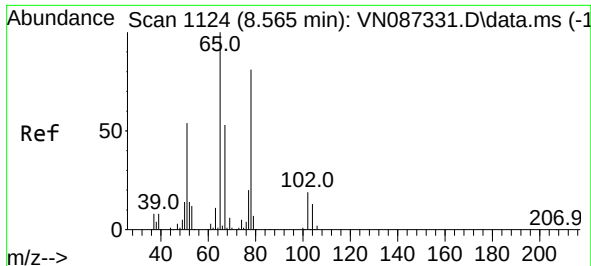
Tgt Ion: 96 Resp: 99130
 Ion Ratio Lower Upper
 96 100
 61 139.9 0.0 297.8
 98 62.0 0.0 132.4



#31
 Cyclohexane
 Concen: 1.558 ug/l
 RT: 8.212 min Scan# 1064
 Delta R.T. -0.029 min
 Lab File: VN087568.D
 Acq: 14 Aug 2025 16:04

Tgt Ion: 56 Resp: 7147
 Ion Ratio Lower Upper
 56 100
 69 172.5 22.7 34.1#
 84 93.3 65.8 98.6





#33

1,2-Dichloroethane-d4

Concen: 56.560 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087568.D

Acq: 14 Aug 2025 16:04

Instrument :

MSVOA_N

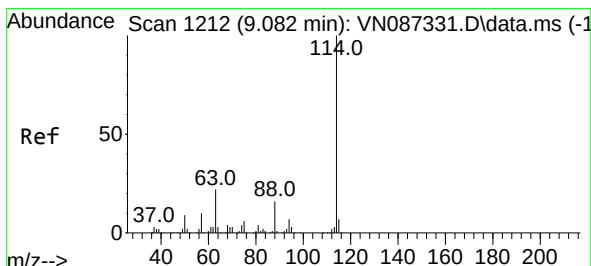
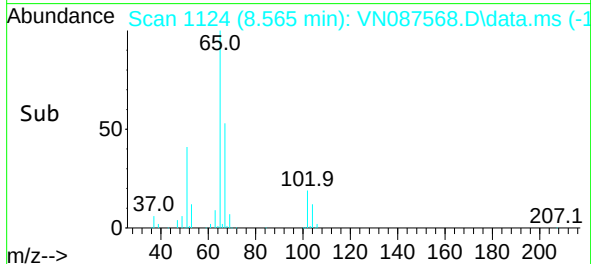
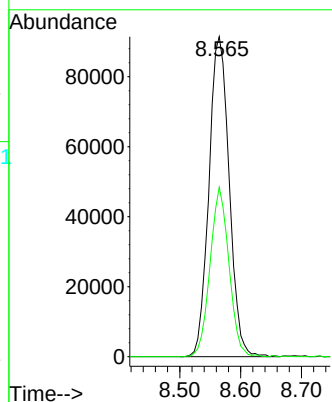
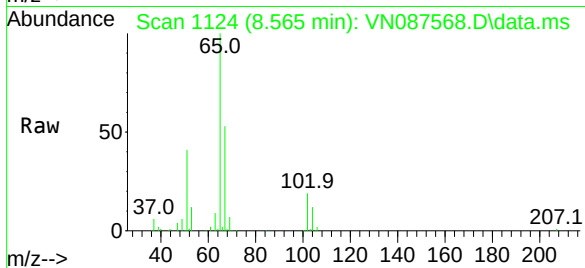
ClientSampleId :

Tgt Ion: 65 Resp: 211074

Ion Ratio Lower Upper

65 100

67 49.4 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. 0.006 min

Lab File: VN087568.D

Acq: 14 Aug 2025 16:04

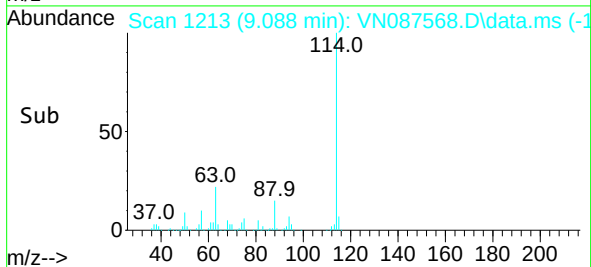
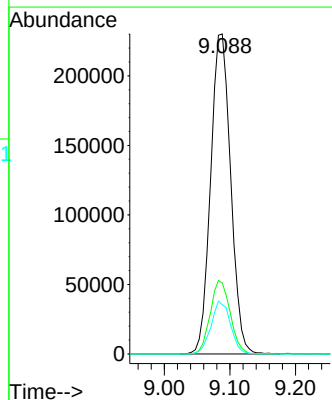
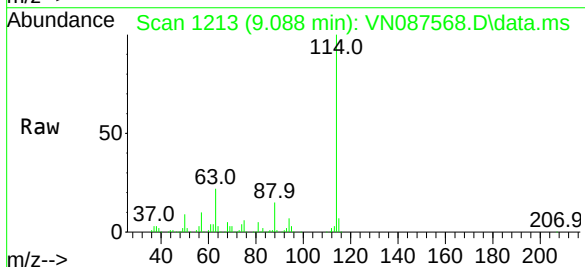
Tgt Ion: 114 Resp: 487780

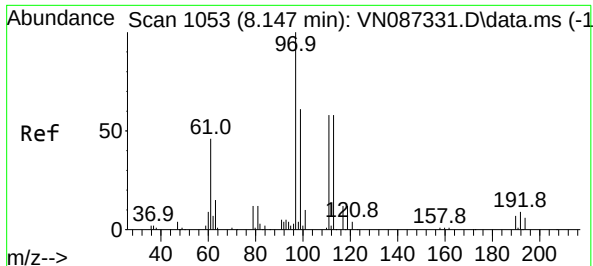
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.6

88 15.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 45.062 ug/l

RT: 8.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087568.D

Acq: 14 Aug 2025 16:04

Instrument :

MSVOA_N

ClientSampleId :

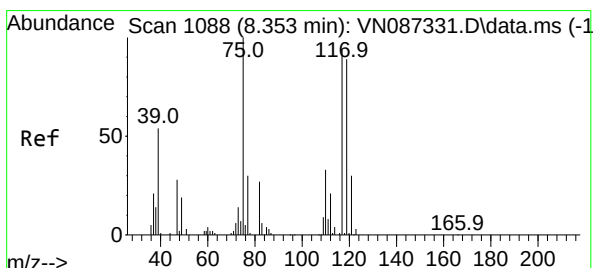
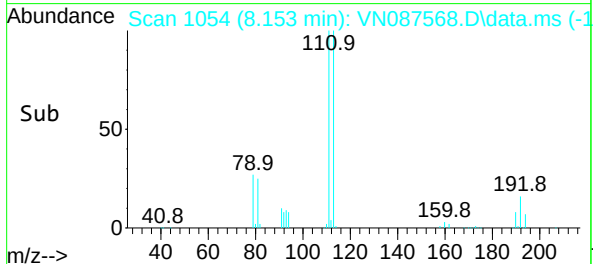
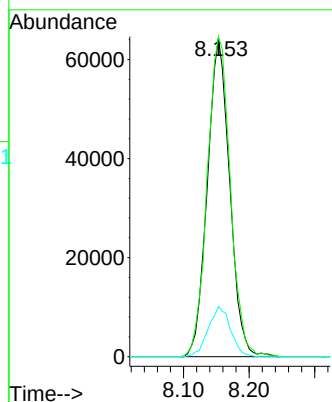
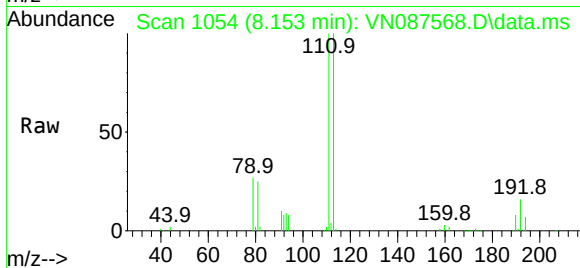
Tgt Ion:113 Resp: 151622

Ion Ratio Lower Upper

113 100

111 104.2 82.5 123.7

192 15.7 13.7 20.5



#36

1,1-Dichloropropene

Concen: 5.361 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087568.D

Acq: 14 Aug 2025 16:04

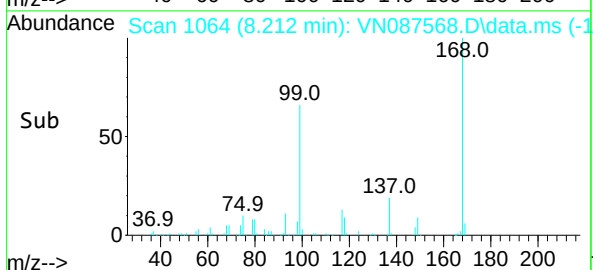
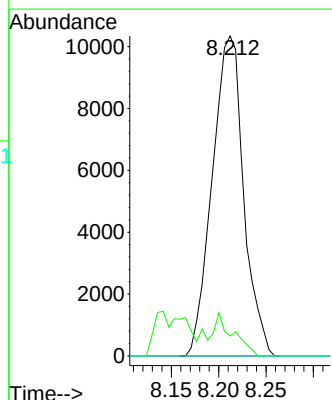
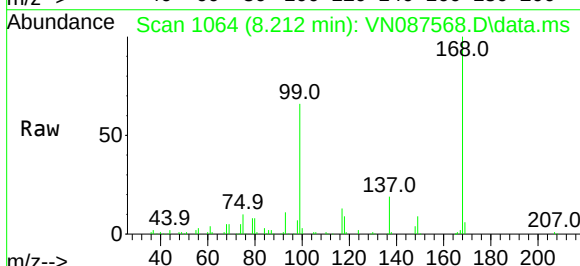
Tgt Ion: 75 Resp: 23833

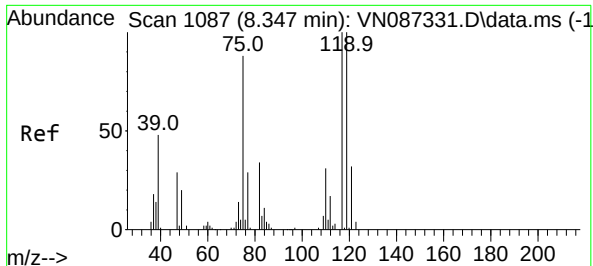
Ion Ratio Lower Upper

75 100

110 8.2 16.7 50.1#

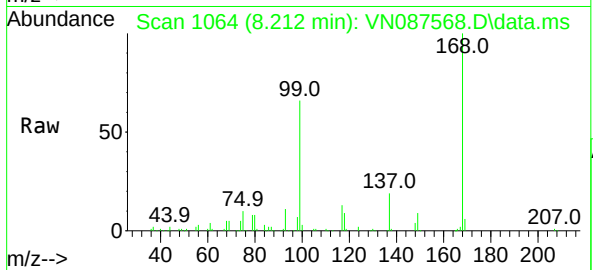
77 0.0 25.2 37.8#



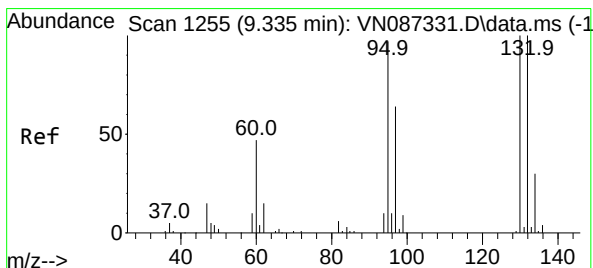
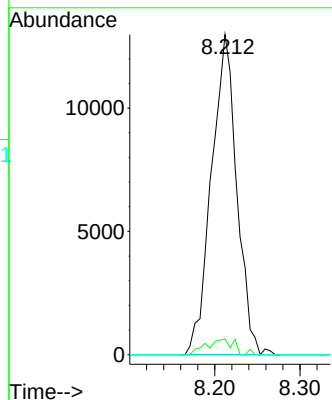
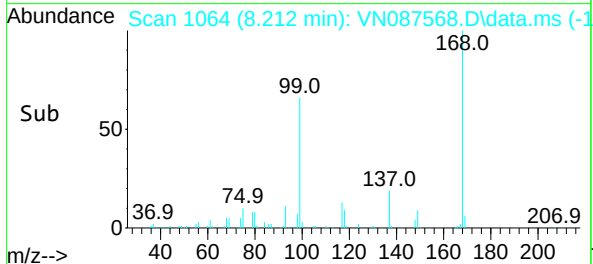


#38
Carbon Tetrachloride
Concen: 5.494 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.135 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Instrument :
MSVOA_N
ClientSampleId :

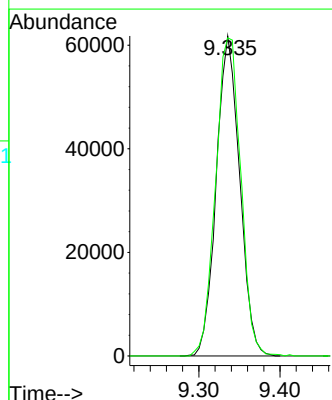
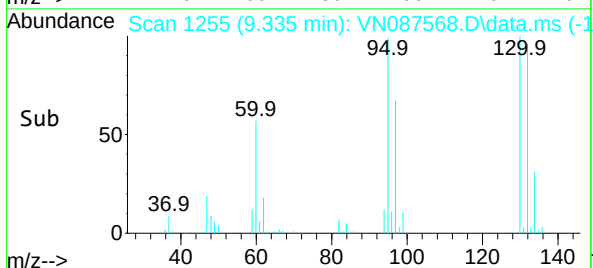
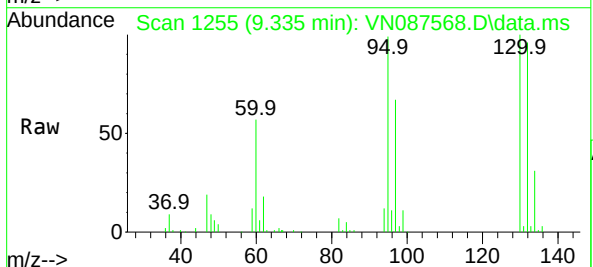


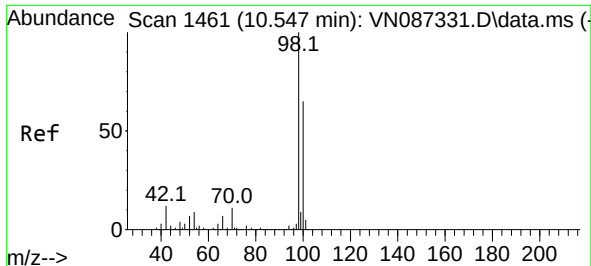
Tgt Ion:117 Resp: 26903
Ion Ratio Lower Upper
117 100
119 4.9 80.2 120.2#
121 0.0 25.4 38.2#



#44
Trichloroethene
Concen: 36.424 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion:130 Resp: 123655
Ion Ratio Lower Upper
130 100
95 99.4 0.0 195.2

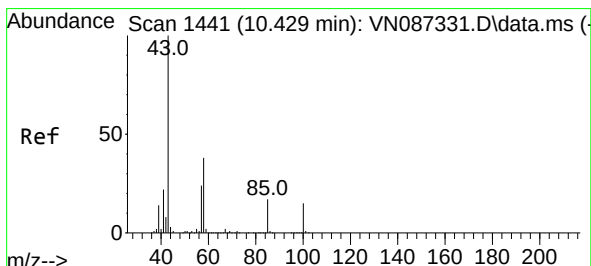
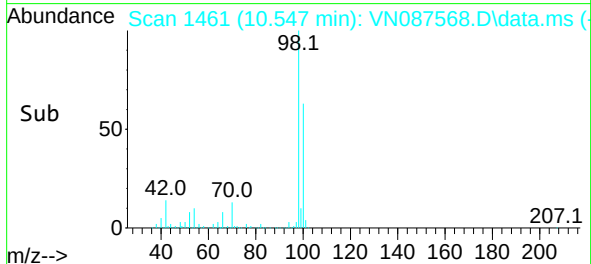
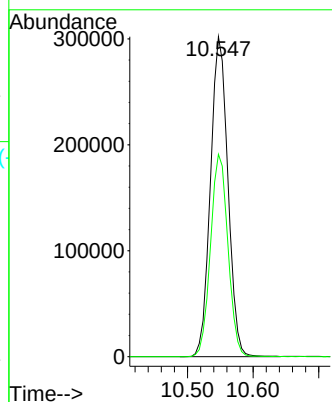
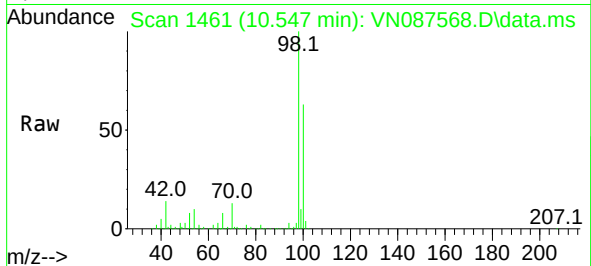




#50
Toluene-d8
Concen: 46.463 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

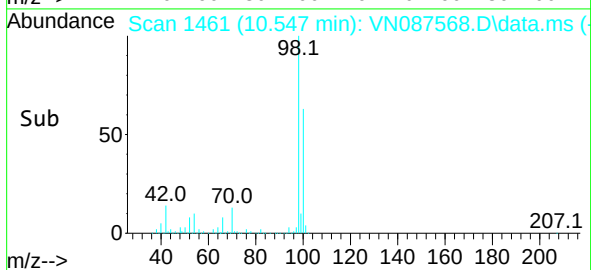
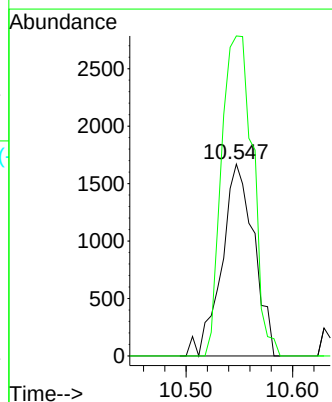
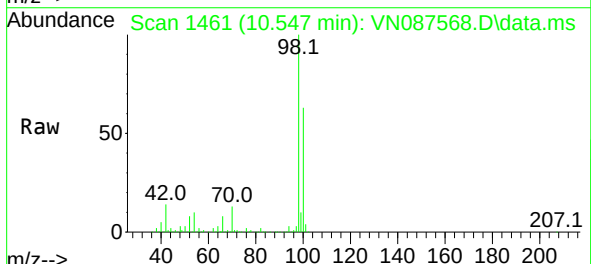
Instrument :
MSVOA_N
ClientSampleId :

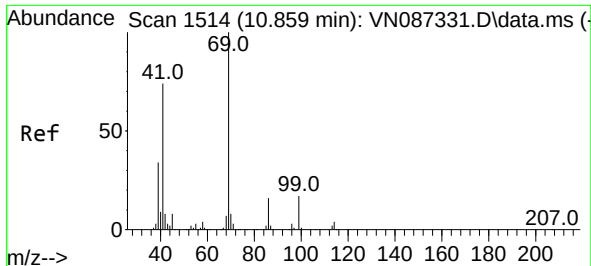
Tgt Ion: 98 Resp: 557660
Ion Ratio Lower Upper
98 100
100 63.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.557 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.118 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion: 43 Resp: 3514
Ion Ratio Lower Upper
43 100
58 161.4 30.8 46.2#

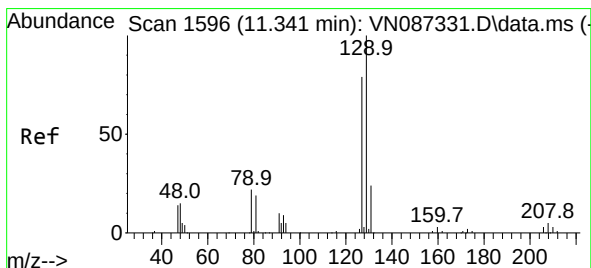
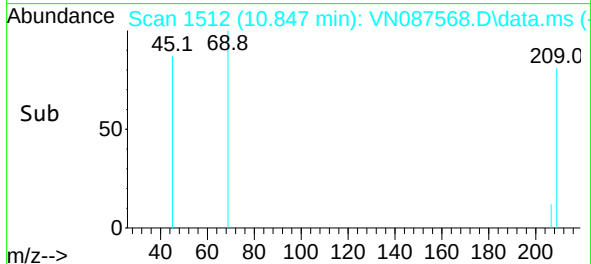
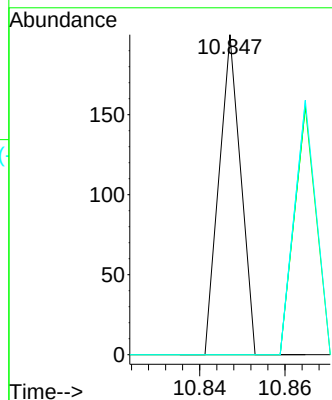
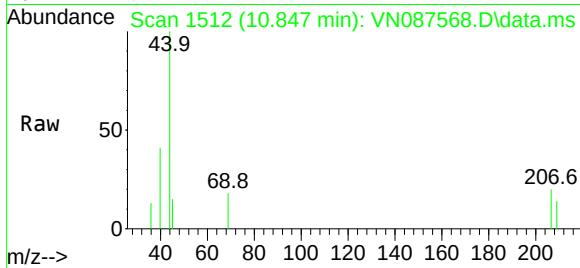




#56
Ethyl methacrylate
Concen: 0.647 ug/l
RT: 10.847 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

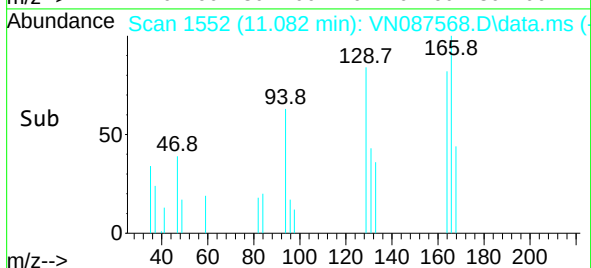
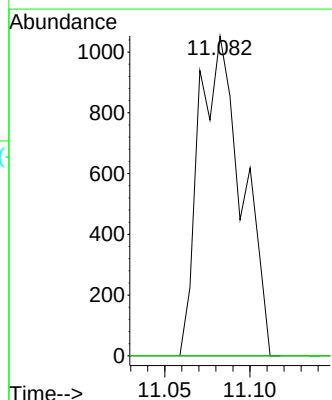
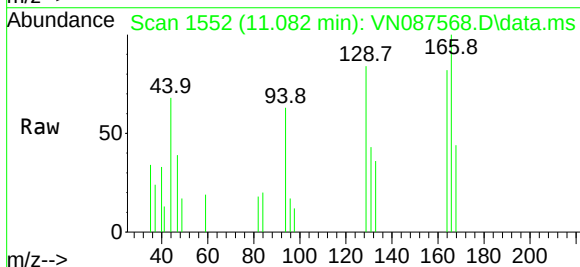
Instrument :
MSVOA_N
ClientSampleId :

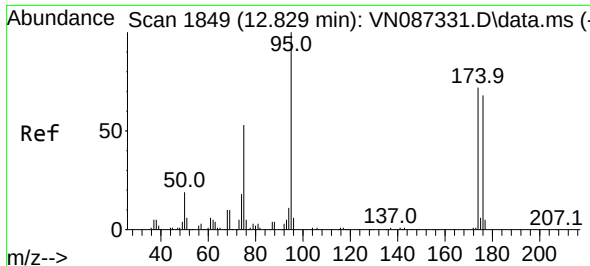
Tgt Ion: 69 Resp: 71
Ion Ratio Lower Upper
69 100
41 77.5 55.1 82.7
39 78.9 27.9 41.9#



#60
Dibromochloromethane
Concen: 0.458 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.259 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion: 129 Resp: 1847
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.5#

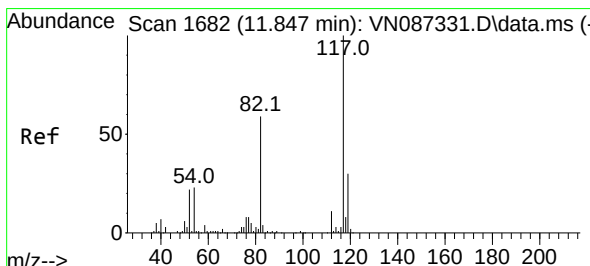
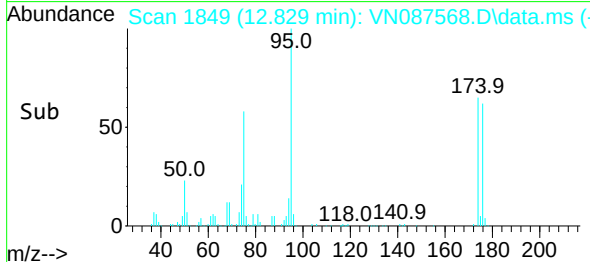
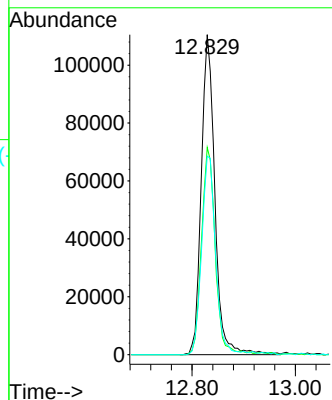
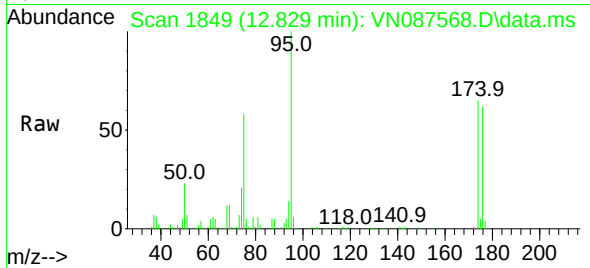




#62
4-Bromofluorobenzene
Concen: 45.470 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

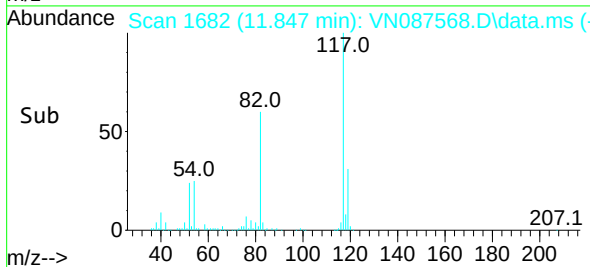
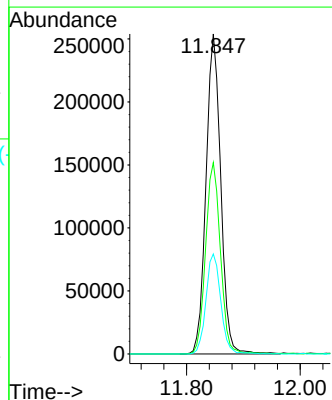
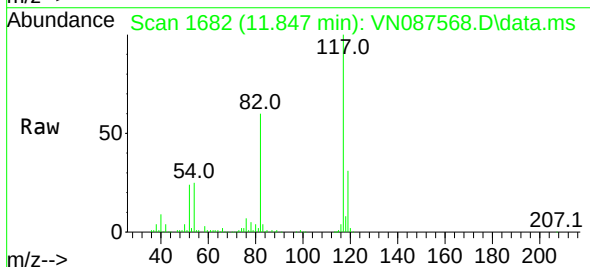
Instrument :
MSVOA_N
ClientSampleId :

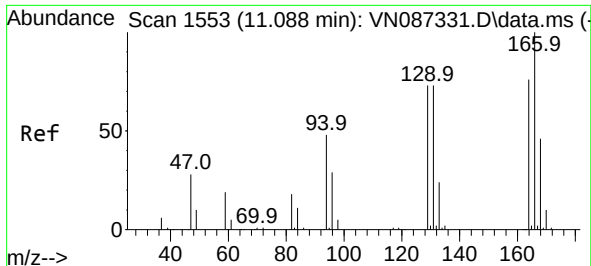
Tgt Ion: 95 Resp: 201626
Ion Ratio Lower Upper
95 100
174 65.3 0.0 149.4
176 63.8 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

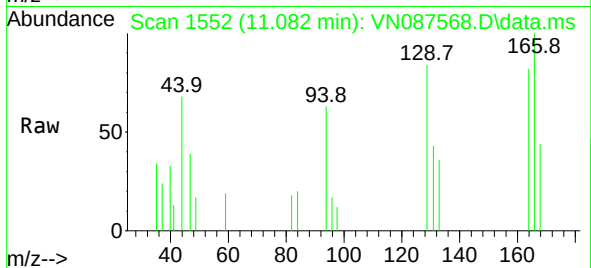
Tgt Ion: 117 Resp: 455235
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 31.3 23.8 35.8



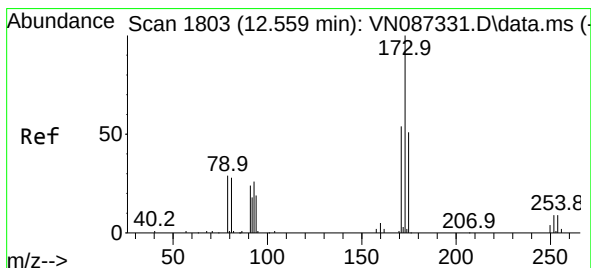
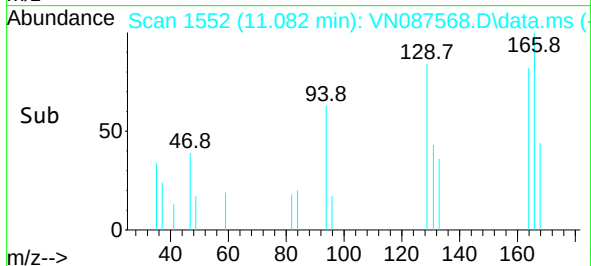
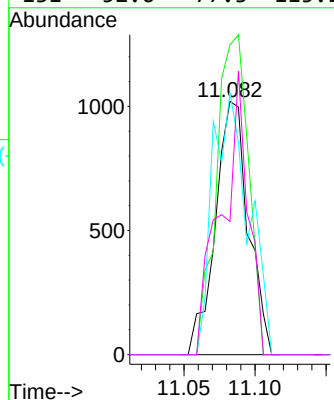


#64
Tetrachloroethene
Concen: 0.563 ug/l
RT: 11.082 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Instrument :
MSVOA_N
ClientSampleId :

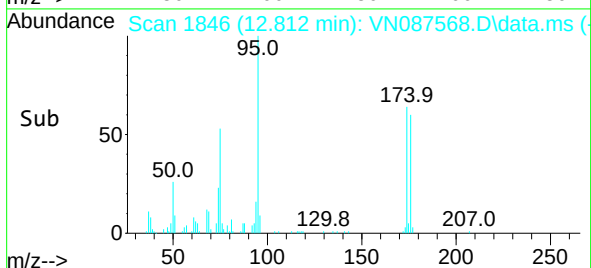
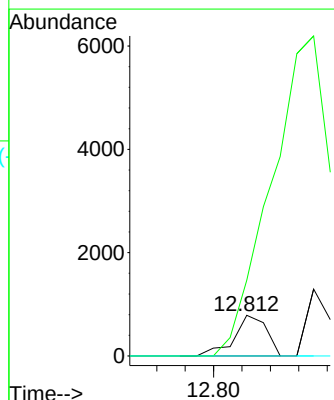
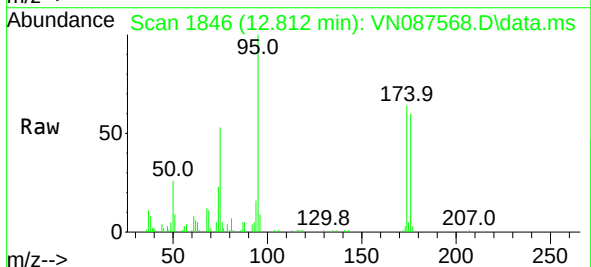


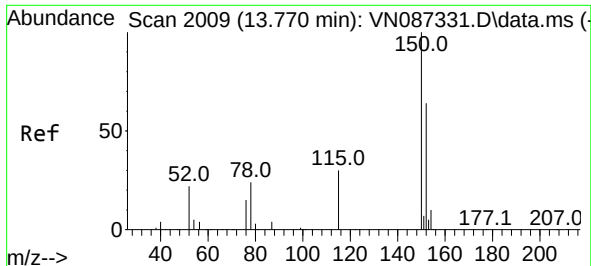
Tgt Ion:164 Resp: 1650
Ion Ratio Lower Upper
164 100
166 122.4 105.5 158.3
129 103.2 77.4 116.2
131 52.6 77.3 115.9#



#71
Bromoform
Concen: 0.222 ug/l
RT: 12.812 min Scan# 1846
Delta R.T. 0.253 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

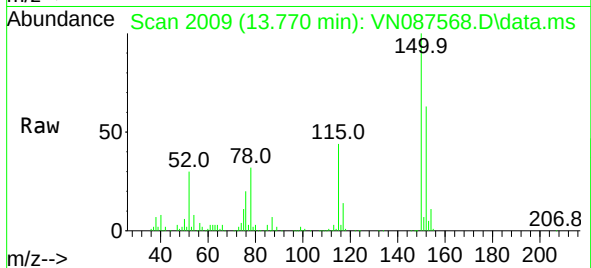
Tgt Ion:173 Resp: 622
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.0 0.0



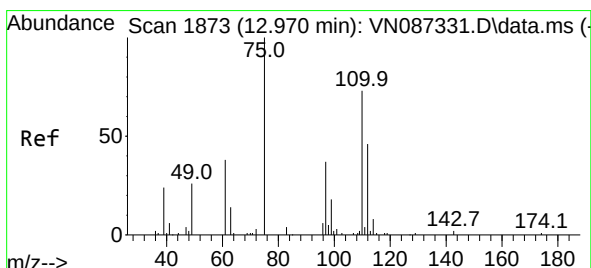
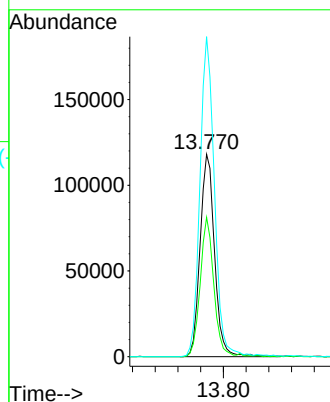
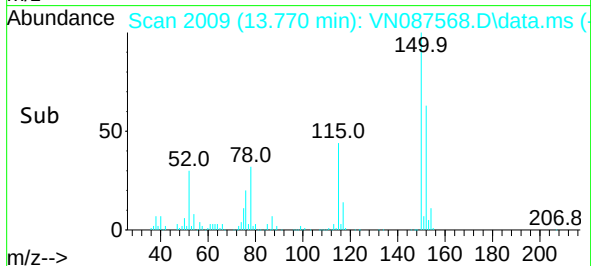


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN087568.D
 Acq: 14 Aug 2025 16:04

Instrument :
 MSVOA_N
 ClientSampleId :

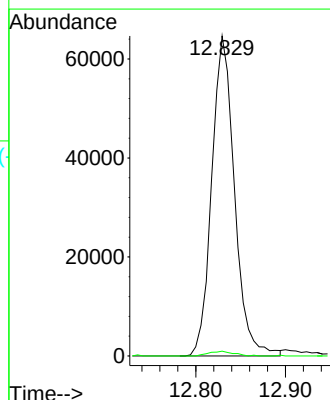
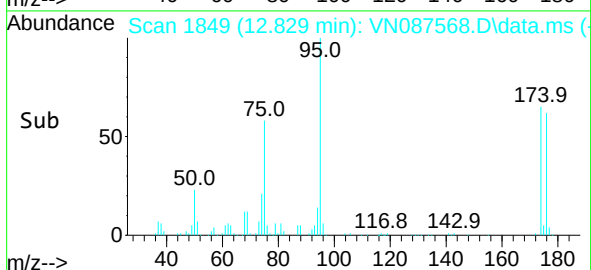
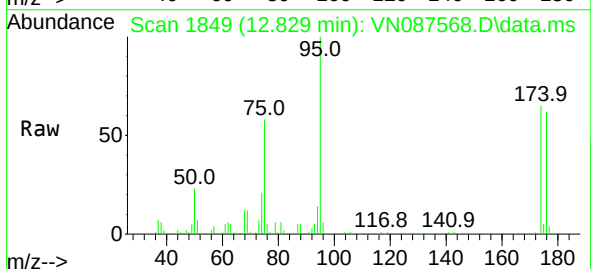


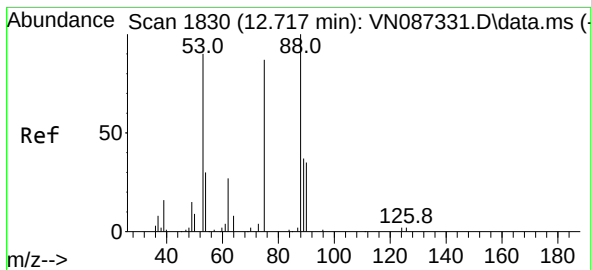
Tgt Ion:152 Resp: 209426
 Ion Ratio Lower Upper
 152 100
 115 64.3 31.1 93.5
 150 157.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.272 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087568.D
 Acq: 14 Aug 2025 16:04

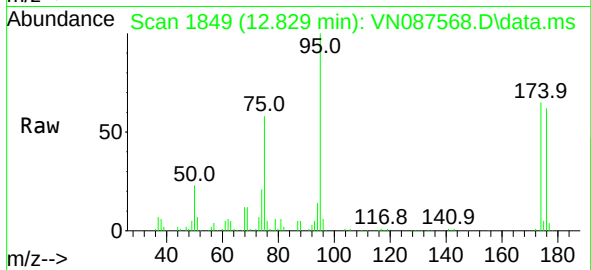
Tgt Ion: 75 Resp: 113986
 Ion Ratio Lower Upper
 75 100
 77 1.6 94.5 283.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 66.412 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 113986
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.0 38.4 57.6#

