

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093025\
 Data File : VN087998.D
 Acq On : 30 Sep 2025 15:09
 Operator : JC\MD
 Sample : Q3241-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 92625

Quant Time: Oct 01 04:42:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

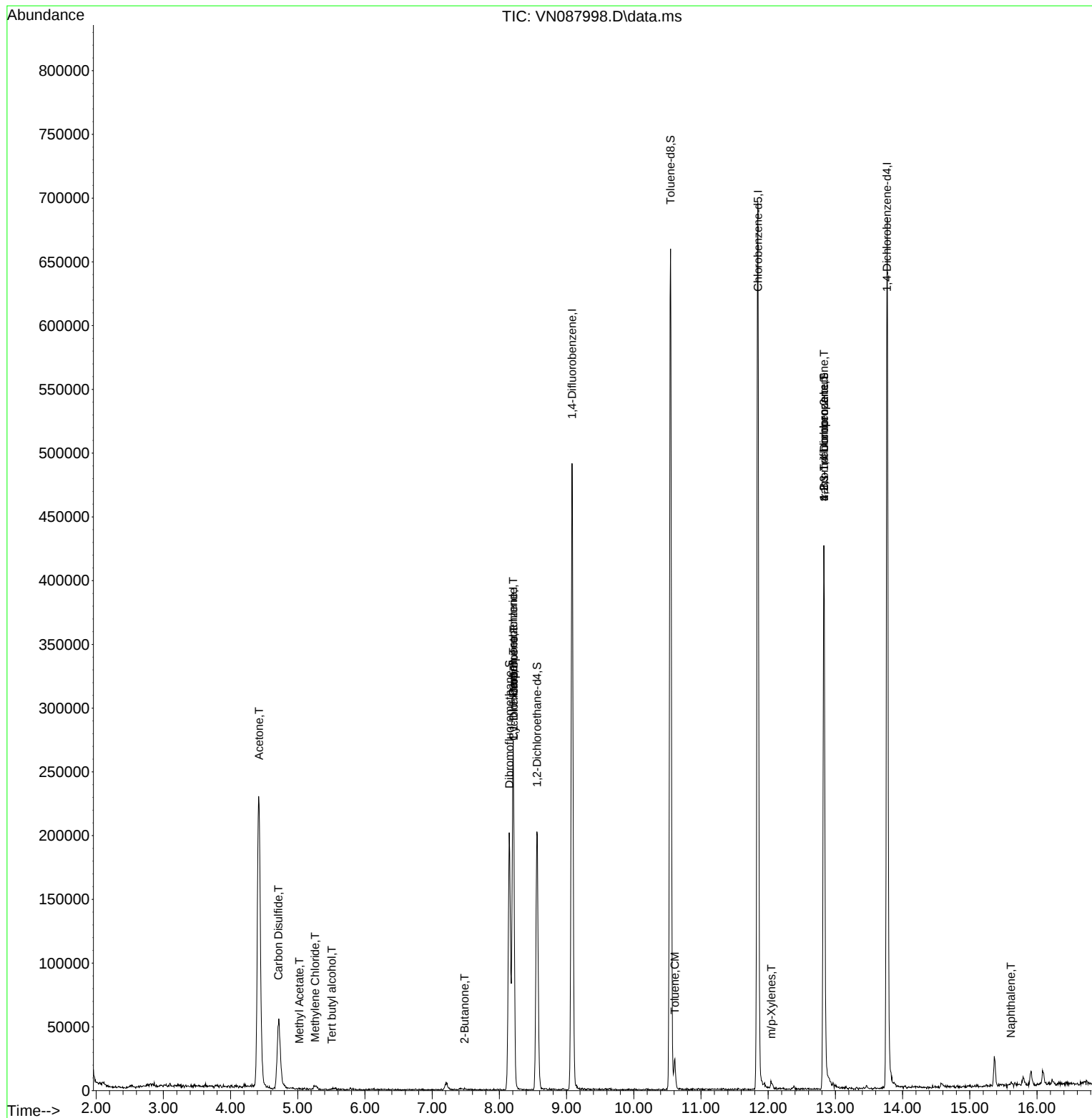
Internal Standards						
1) Pentafluorobenzene	8.206	168	184946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	404931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	402843	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	180367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	166363	53.450	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.900%			
35) Dibromofluoromethane	8.147	113	143118	48.679	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.360%			
50) Toluene-d8	10.547	98	456609	44.164	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.320%			
62) 4-Bromofluorobenzene	12.829	95	154671	41.853	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 83.700%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.506	59	351	0.783	ug/l #	71
16) Acetone	4.424	43	461436	360.322	ug/l	98
17) Carbon Disulfide	4.712	76	1584	0.261	ug/l #	76
18) Methyl Acetate	5.024	43	1219	0.380	ug/l #	77
20) Methylene Chloride	5.259	84	2846	1.098	ug/l #	46
25) 2-Butanone	7.483	43	1229	0.628	ug/l #	48
31) Cyclohexane	8.212	56	5078	1.455	ug/l #	44
36) 1,1-Dichloropropene	8.212	75	16731	4.733	ug/l #	50
38) Carbon Tetrachloride	8.206	117	18793	4.633	ug/l #	20
52) Toluene	10.612	92	8504	1.158	ug/l	88
68) m/p-Xylenes	12.047	106	1830	0.334	ug/l	83
76) 1,2,3-Trichloropropane	12.829	75	82533	23.213	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	82533	64.459	ug/l #	9
95) Naphthalene	15.611	128	2212	0.209	ug/l #	84

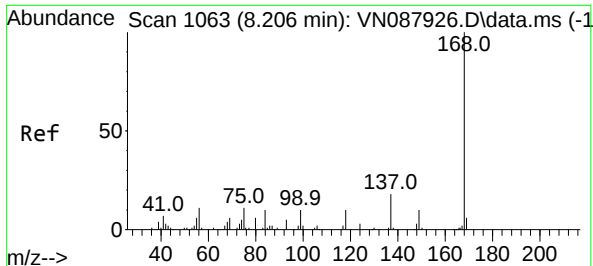
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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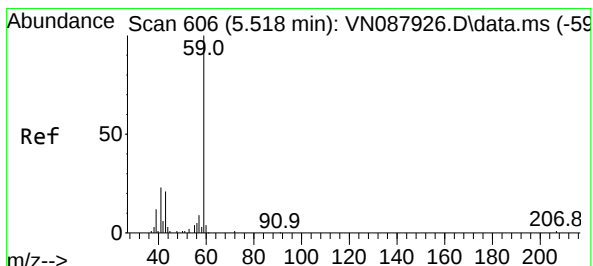
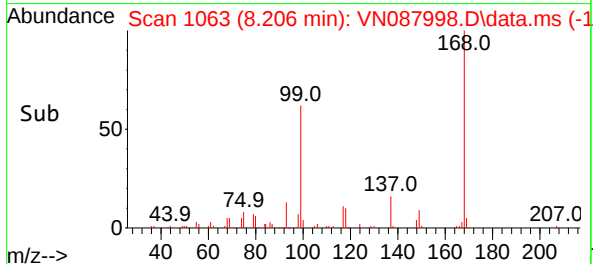
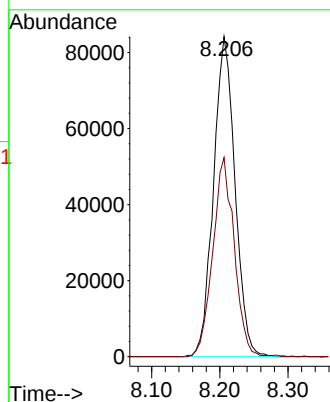
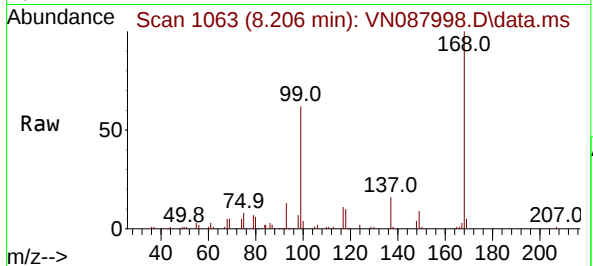




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

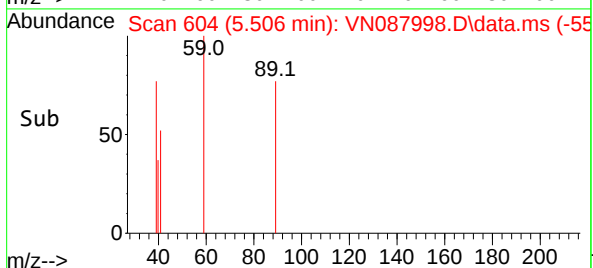
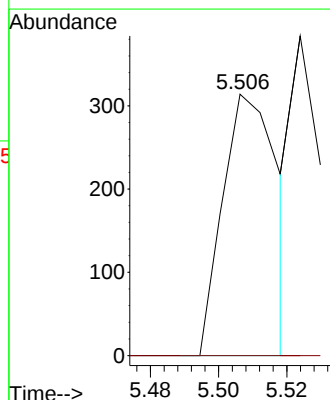
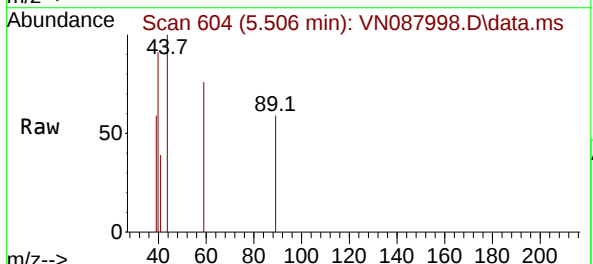
Instrument :
MSVOA_N
ClientSampleId :
92625

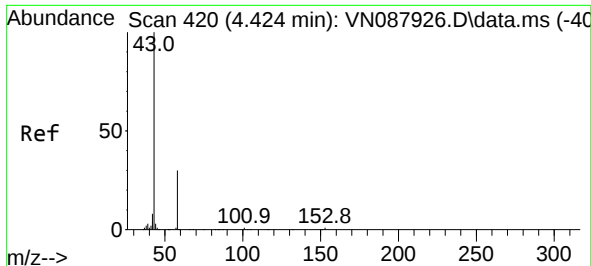
Tgt Ion:168 Resp: 184946
Ion Ratio Lower Upper
168 100
99 62.2 52.2 78.2



#11
Tert butyl alcohol
Concen: 0.783 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

Tgt Ion: 59 Resp: 351
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

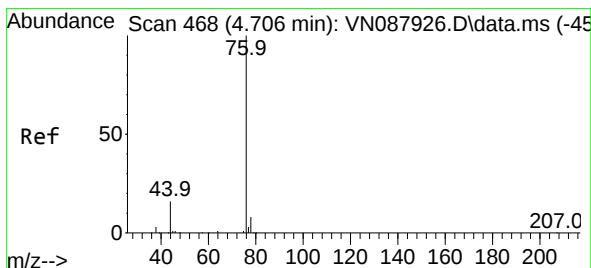
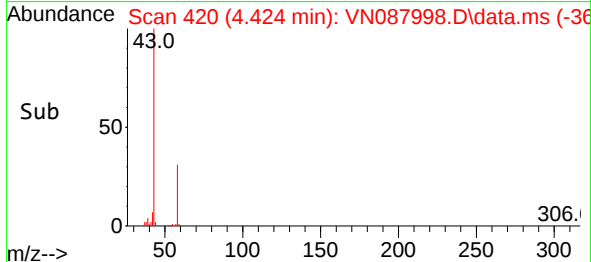
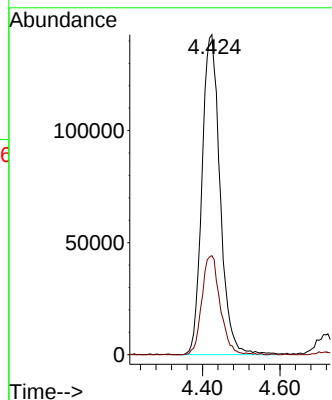
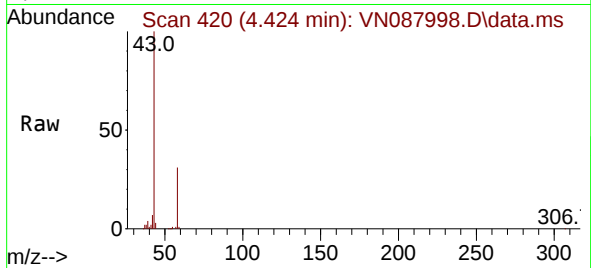




#16
Acetone
Concen: 360.322 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

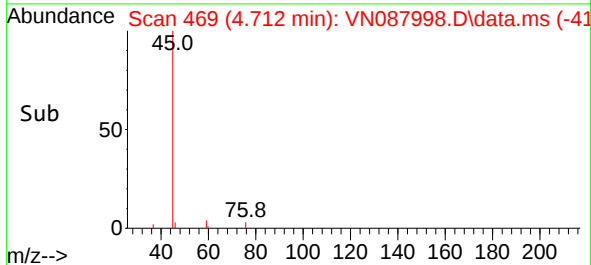
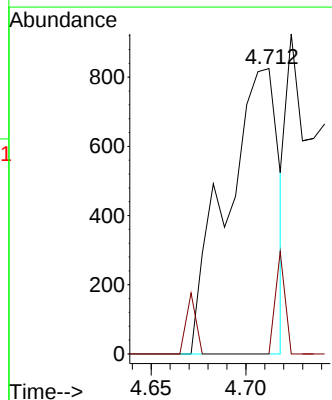
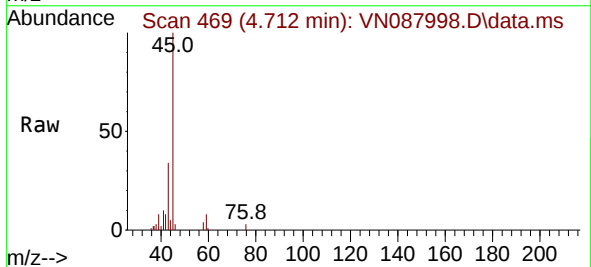
Instrument :
MSVOA_N
ClientSampleId :
92625

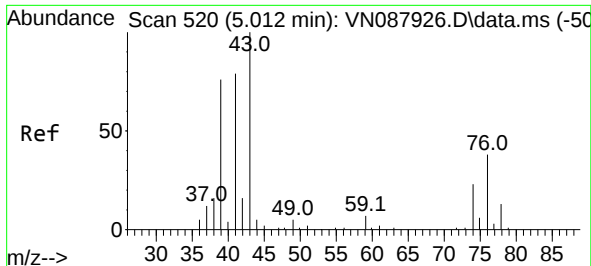
Tgt Ion: 43 Resp: 461436
Ion Ratio Lower Upper
43 100
58 31.0 24.1 36.1



#17
Carbon Disulfide
Concen: 0.261 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

Tgt Ion: 76 Resp: 1584
Ion Ratio Lower Upper
76 100
78 0.0 6.7 10.1#

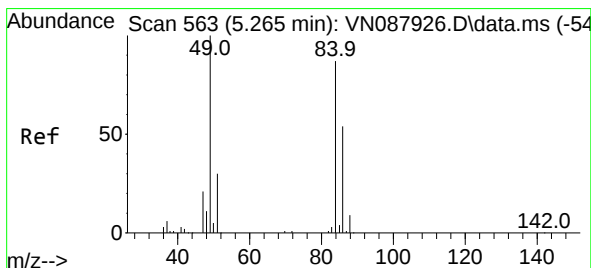
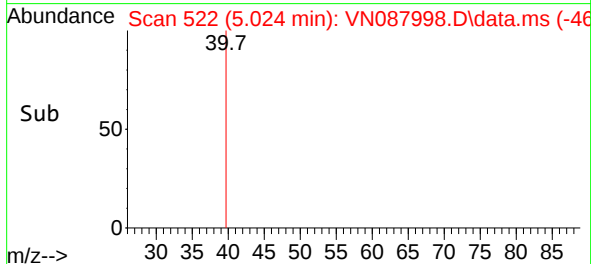
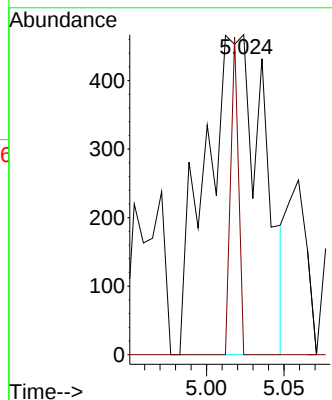
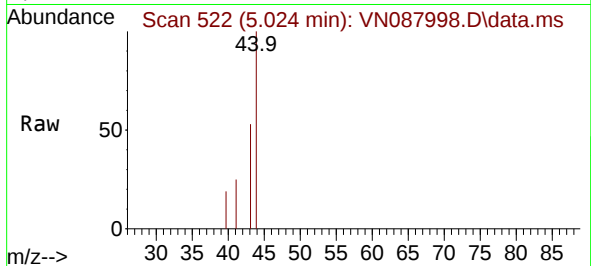




#18
Methyl Acetate
Concen: 0.380 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

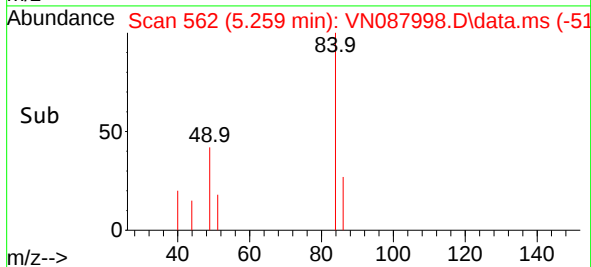
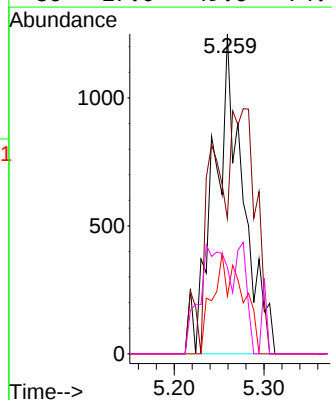
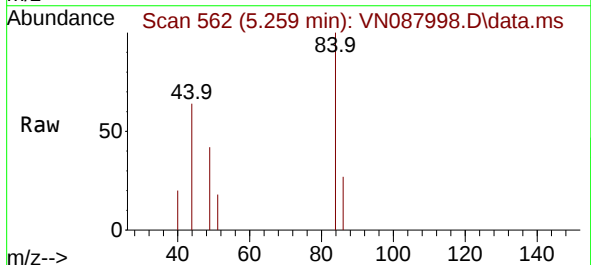
Instrument :
MSVOA_N
ClientSampleId :
92625

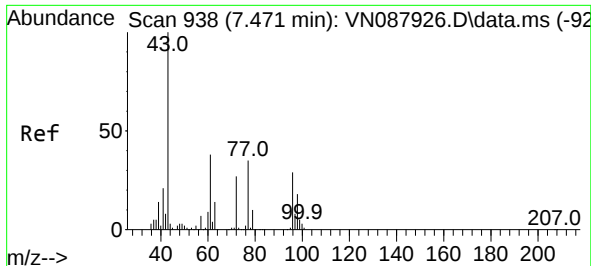
Tgt Ion: 43 Resp: 1219
Ion Ratio Lower Upper
43 100
74 13.4 19.7 29.5#



#20
Methylene Chloride
Concen: 1.098 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

Tgt Ion: 84 Resp: 2846
Ion Ratio Lower Upper
84 100
49 42.3 92.1 138.1#
51 18.0 27.7 41.5#
86 27.0 49.6 74.4#

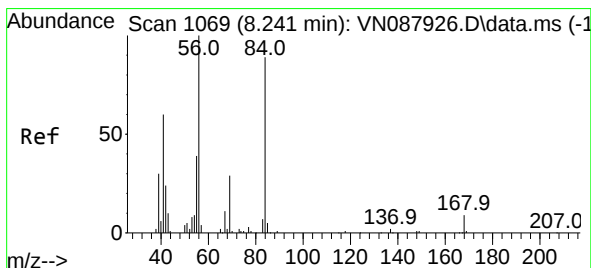
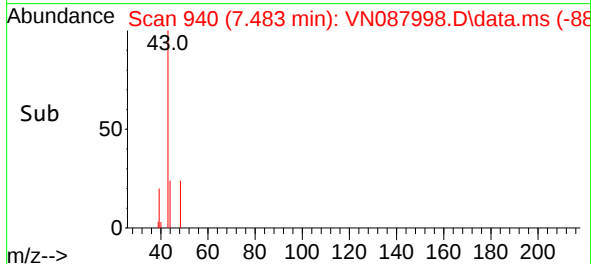
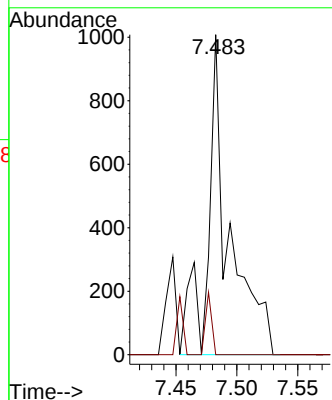
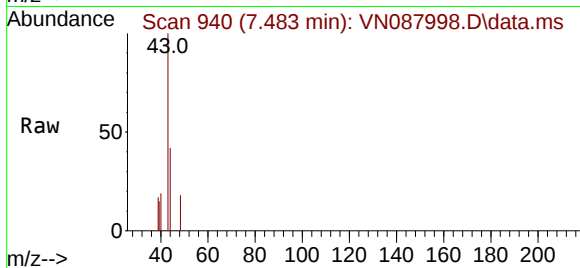




#25
2-Butanone
Concen: 0.628 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

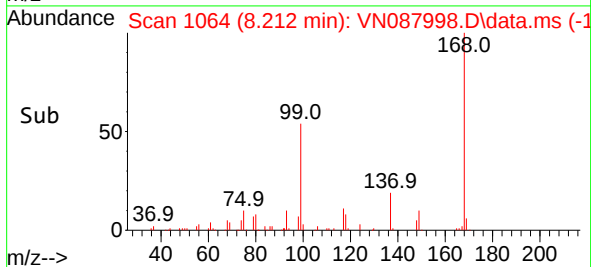
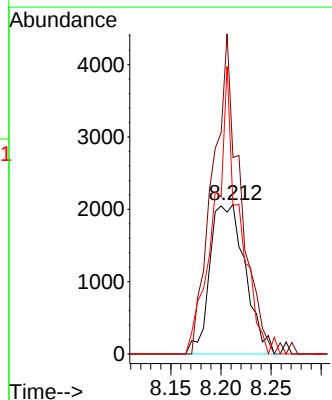
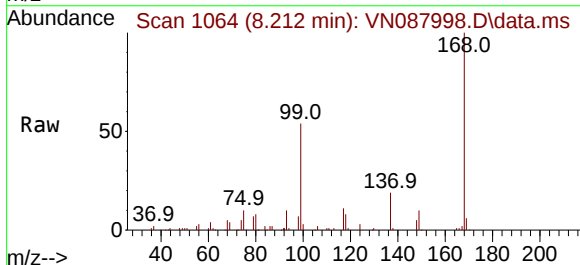
Instrument :
MSVOA_N
ClientSampleId :
92625

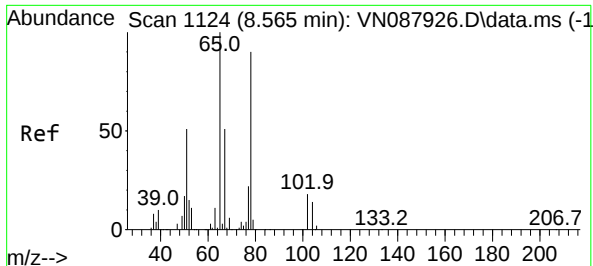
Tgt Ion: 43 Resp: 1229
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#



#31
Cyclohexane
Concen: 1.455 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.029 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

Tgt Ion: 56 Resp: 5078
Ion Ratio Lower Upper
56 100
69 131.6 23.4 35.0#
84 99.5 70.8 106.2





#33

1,2-Dichloroethane-d4

Concen: 53.450 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN087998.D

Acq: 30 Sep 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

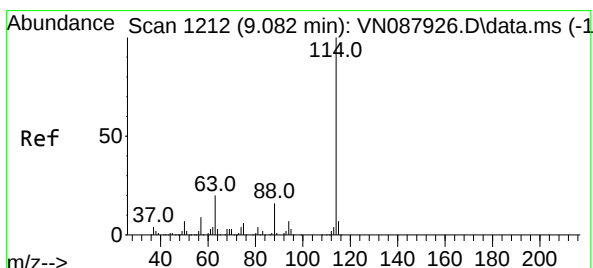
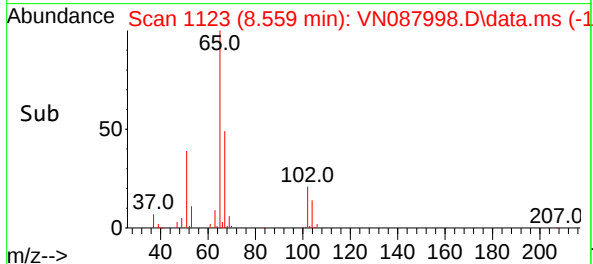
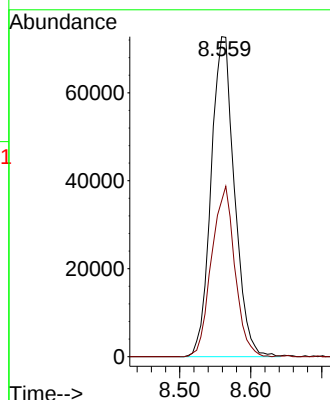
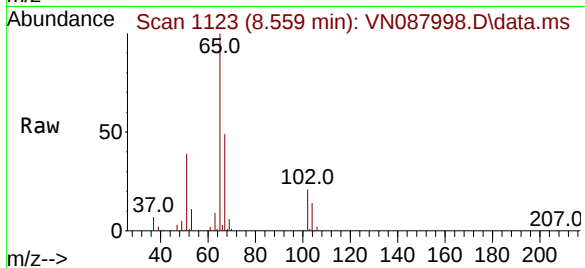
92625

Tgt Ion: 65 Resp: 166363

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087998.D

Acq: 30 Sep 2025 15:09

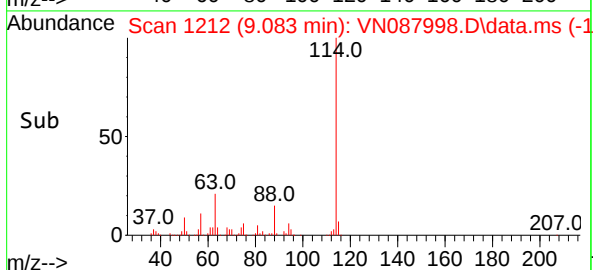
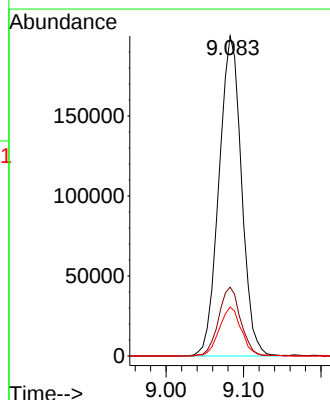
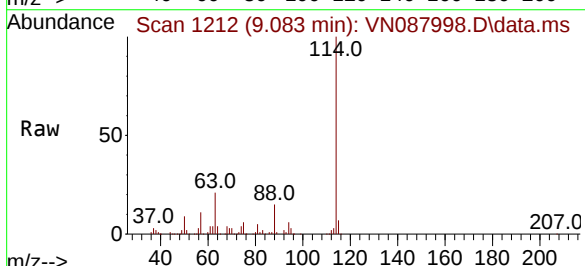
Tgt Ion: 114 Resp: 404931

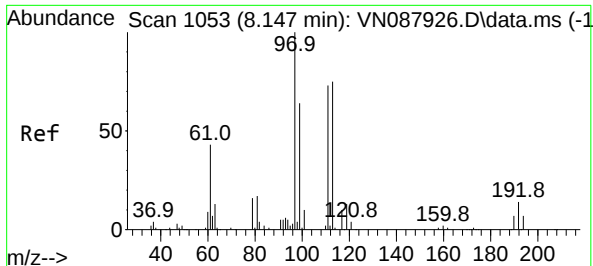
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 15.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.679 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN087998.D

Acq: 30 Sep 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

92625

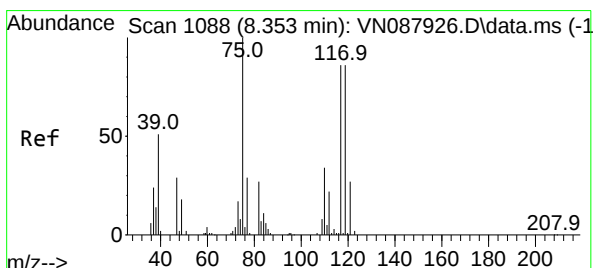
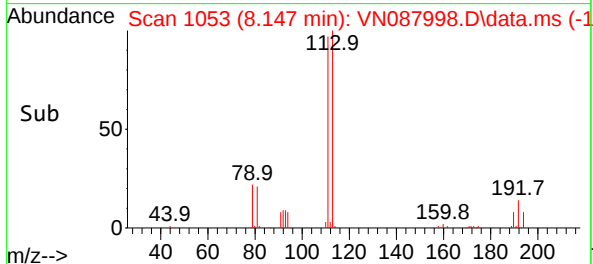
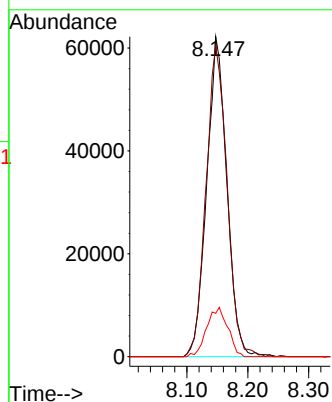
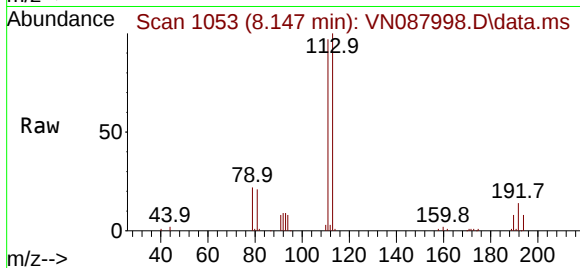
Tgt Ion:113 Resp: 143118

Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.2

192 16.2 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.733 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087998.D

Acq: 30 Sep 2025 15:09

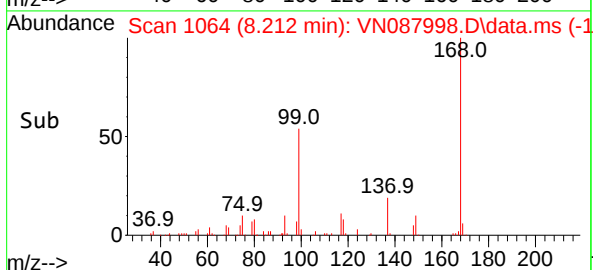
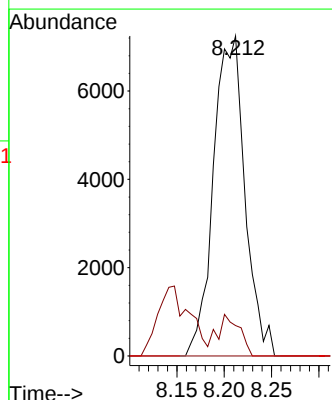
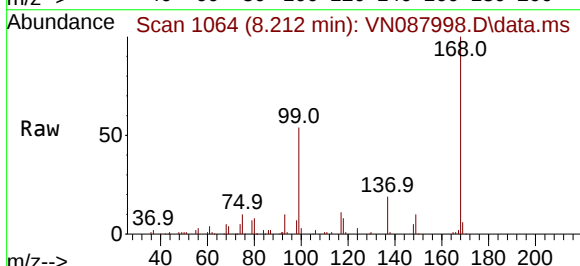
Tgt Ion: 75 Resp: 16731

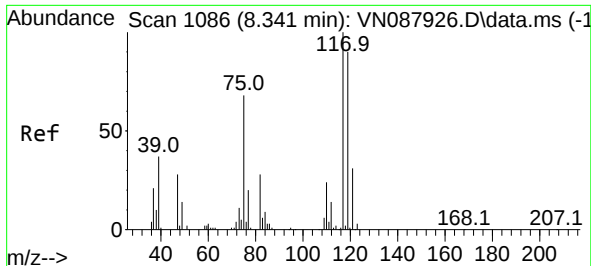
Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.3#

77 0.0 24.8 37.2#

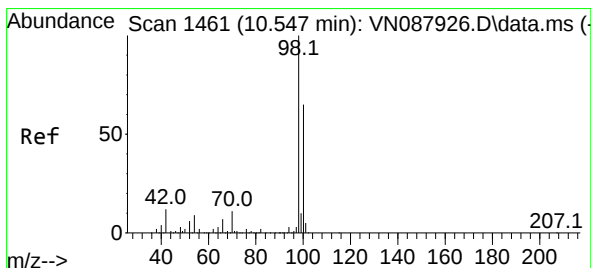
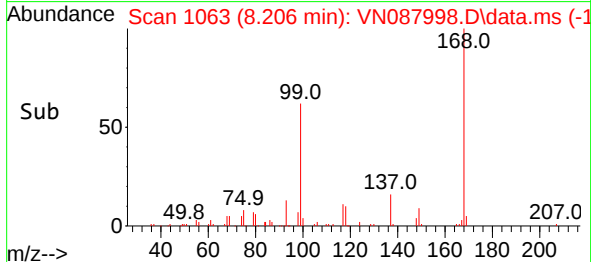
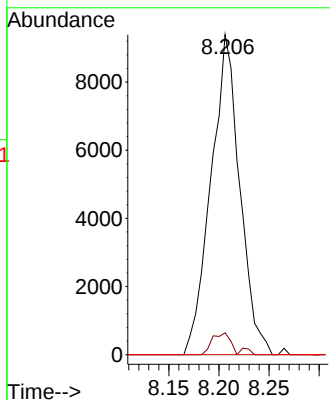
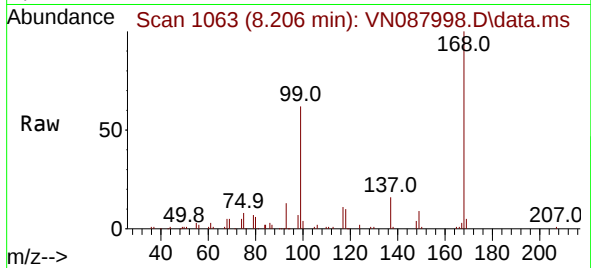




#38
Carbon Tetrachloride
Concen: 4.633 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

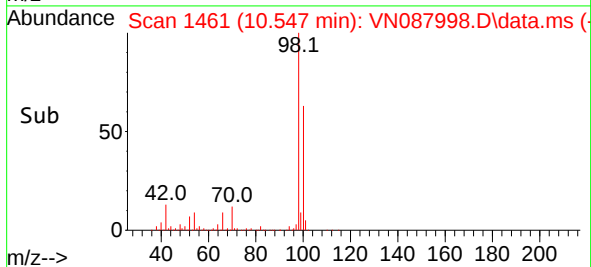
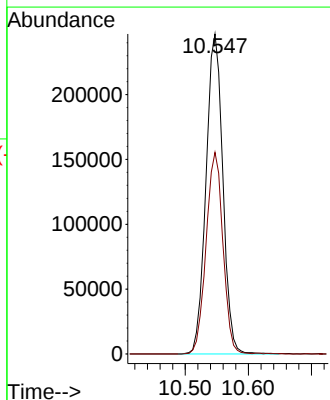
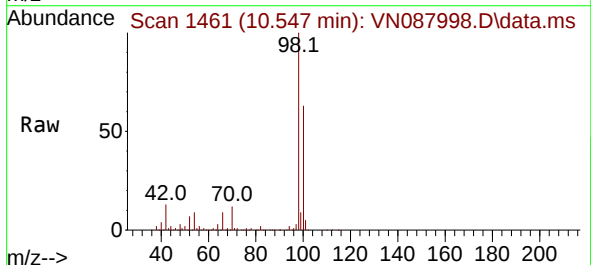
Instrument :
MSVOA_N
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92625

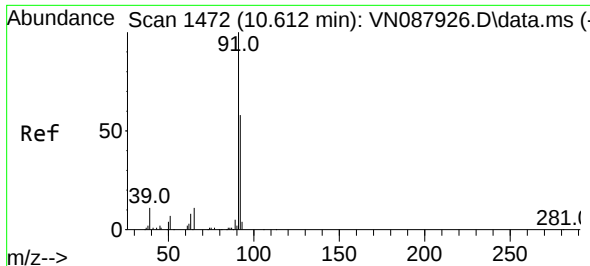
Tgt Ion:117 Resp: 18793
Ion Ratio Lower Upper
117 100
119 6.9 72.1 108.1#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 44.164 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

Tgt Ion: 98 Resp: 456609
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5

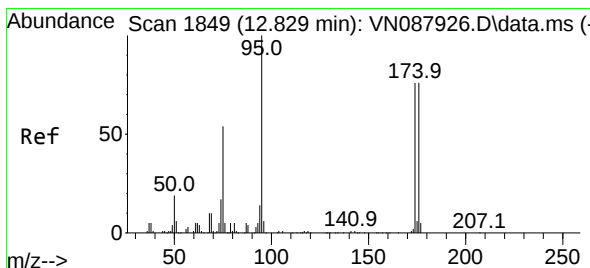
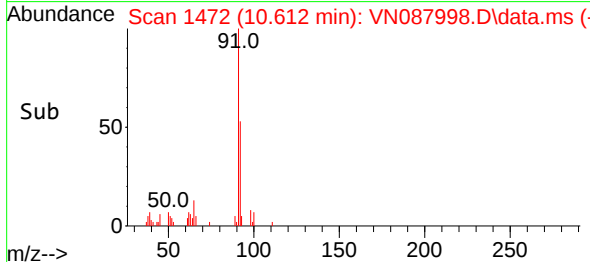
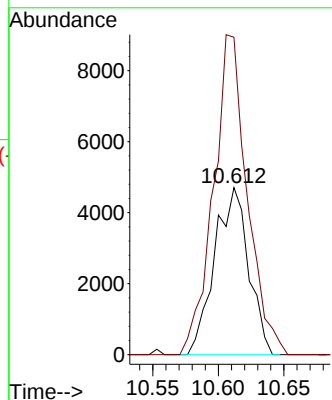
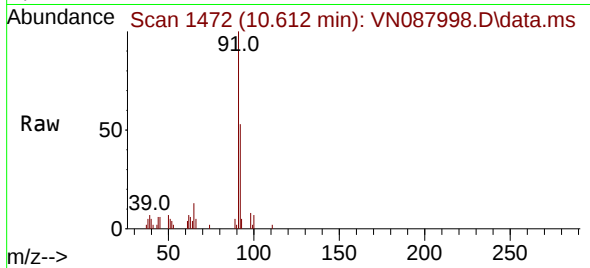




#52
Toluene
Concen: 1.158 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

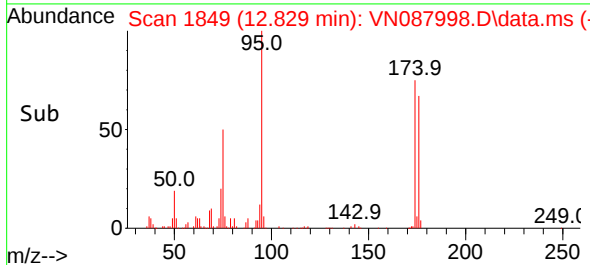
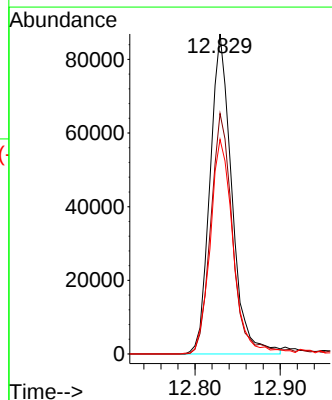
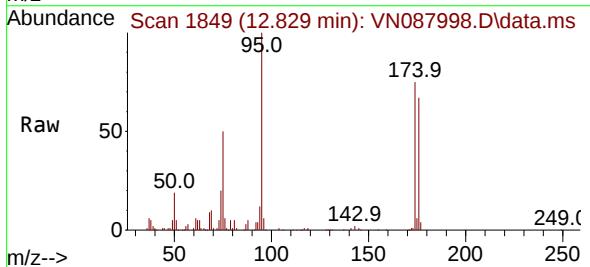
Instrument :
MSVOA_N
ClientSampleId :
92625

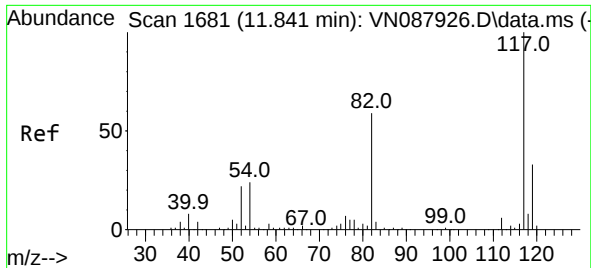
Tgt Ion: 92 Resp: 8504
Ion Ratio Lower Upper
92 100
91 189.9 138.2 207.2



#62
4-Bromofluorobenzene
Concen: 41.853 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

Tgt Ion: 95 Resp: 154671
Ion Ratio Lower Upper
95 100
174 76.7 0.0 159.2
176 70.7 0.0 152.6

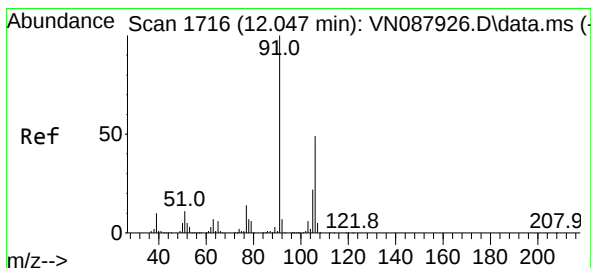
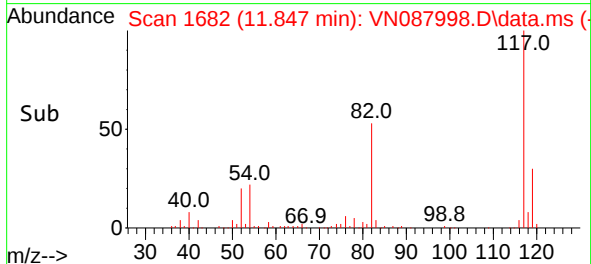
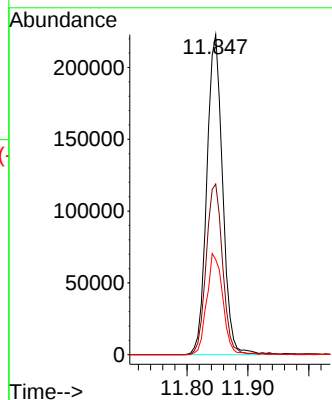
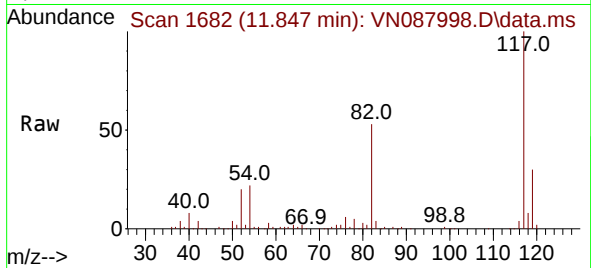




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

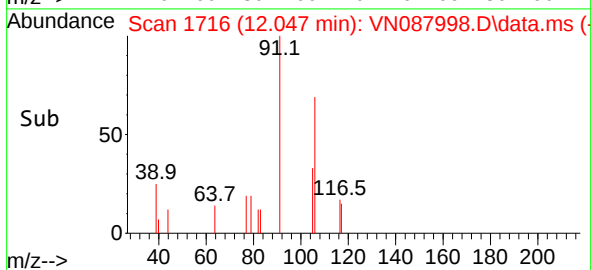
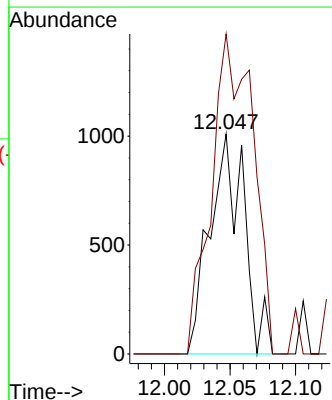
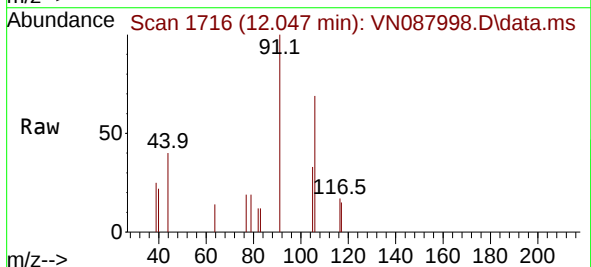
Instrument :
MSVOA_N
ClientSampleId :
92625

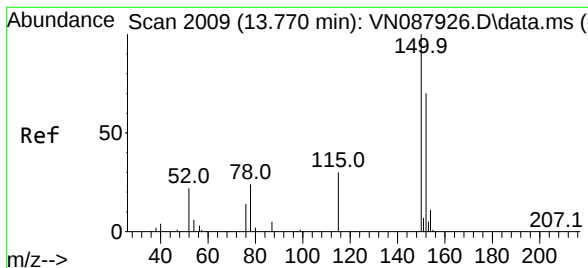
Tgt Ion:117 Resp: 402843
Ion Ratio Lower Upper
117 100
82 53.4 47.0 70.4
119 29.7 26.1 39.1



#68
m/p-Xylenes
Concen: 0.334 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

Tgt Ion:106 Resp: 1830
Ion Ratio Lower Upper
106 100
91 177.0 162.9 244.3

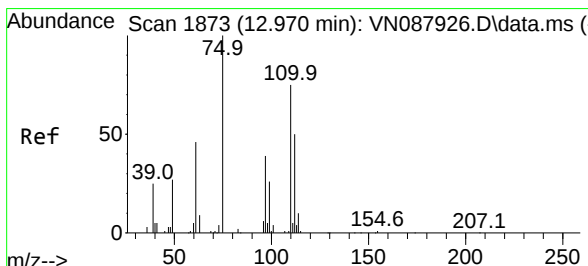
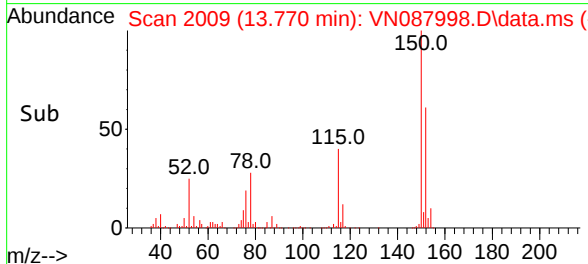
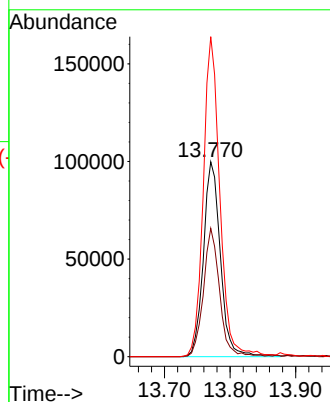
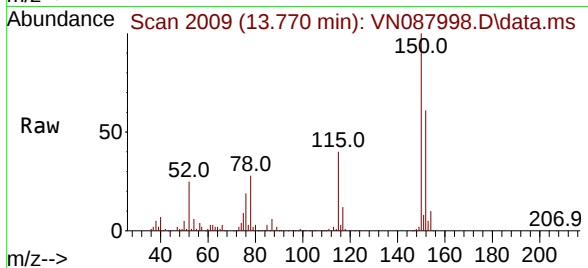




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN087998.D
 Acq: 30 Sep 2025 15:09

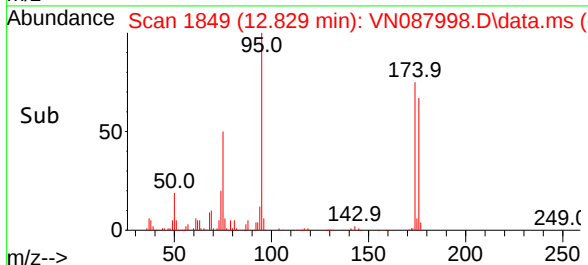
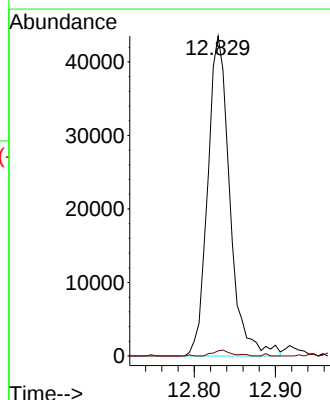
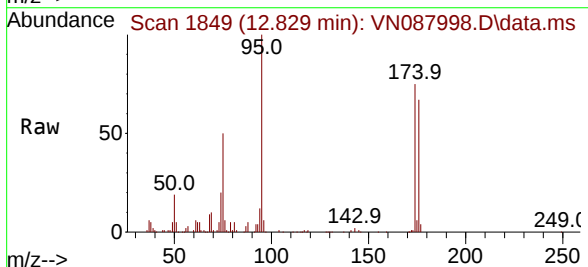
Instrument :
 MSVOA_N
 ClientSampleId :
 92625

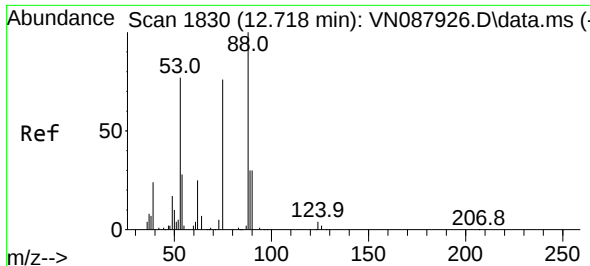
Tgt Ion:152 Resp: 180367
 Ion Ratio Lower Upper
 152 100
 115 62.7 29.9 89.7
 150 160.1 0.0 335.0



#76
 1,2,3-Trichloropropane
 Concen: 23.213 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087998.D
 Acq: 30 Sep 2025 15:09

Tgt Ion: 75 Resp: 82533
 Ion Ratio Lower Upper
 75 100
 77 1.5 89.5 268.5#

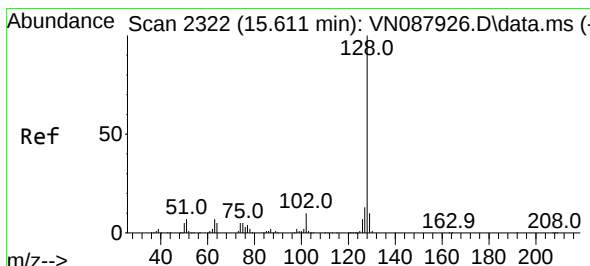
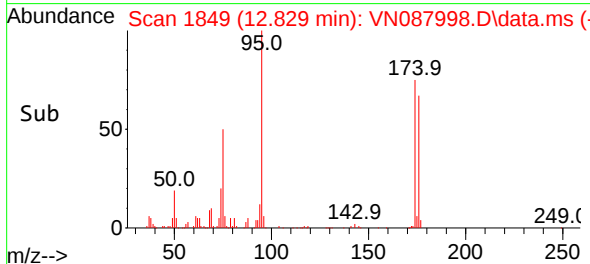
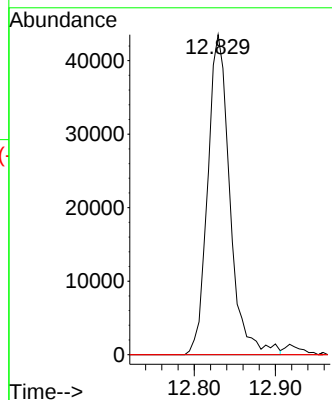
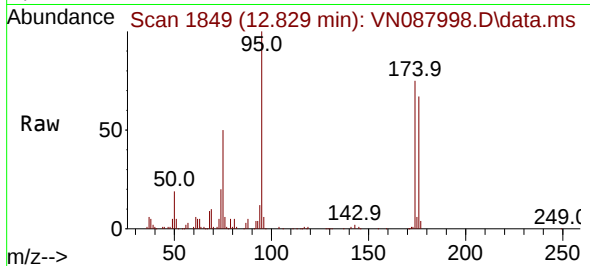




#81
trans-1,4-Dichloro-2-butene
Concen: 64.459 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

Instrument :
MSVOA_N
ClientSampleId :
92625

Tgt Ion: 75 Resp: 82533
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 36.1 54.1#



#95
Naphthalene
Concen: 0.209 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

Tgt Ion:128 Resp: 2212
Ion Ratio Lower Upper
128 100
127 8.6 10.2 15.4#
129 2.6 8.6 13.0#

