

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086059.D
 Acq On : 21 Mar 2025 22:55
 Operator : JC\MD
 Sample : Q1606-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RT3025

Quant Time: Mar 21 23:59:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

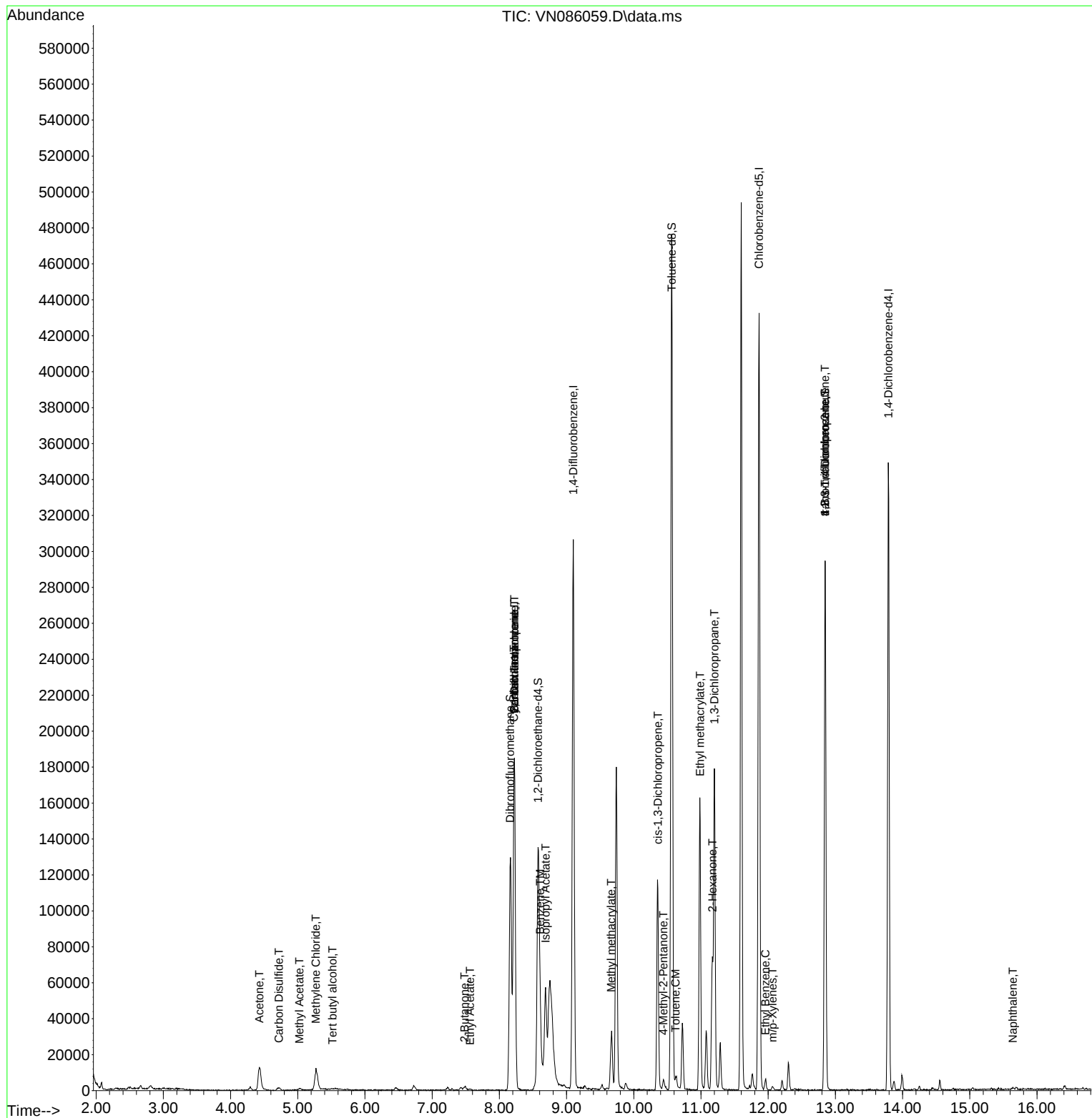
Internal Standards						
1) Pentafluorobenzene	8.224	168	134777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	260087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	258020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	97446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110383	59.810	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.620%			
35) Dibromofluoromethane	8.159	113	91986	50.671	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.340%			
50) Toluene-d8	10.565	98	336768	51.114	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.220%			
62) 4-Bromofluorobenzene	12.847	95	101074	43.016	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.040%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.518	59	61	0.233	ug/l #	73
16) Acetone	4.430	43	24763	43.919	ug/l	96
17) Carbon Disulfide	4.718	76	1101	0.242	ug/l #	74
18) Methyl Acetate	5.024	43	2069	1.483	ug/l #	57
20) Methylene Chloride	5.271	84	9512	5.767	ug/l	91
25) 2-Butanone	7.483	43	3556	4.371	ug/l #	73
31) Cyclohexane	8.218	56	2837	1.234	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	10435	4.365	ug/l #	48
37) Ethyl Acetate	7.565	43	959	0.476	ug/l #	64
38) Carbon Tetrachloride	8.224	117	14669	4.667	ug/l #	16
40) Benzene	8.606	78	47260	6.298	ug/l	99
43) Isopropyl Acetate	8.688	43	67458	15.437	ug/l #	77
48) Methyl methacrylate	9.665	41	1847	1.281	ug/l #	33
51) 4-Methyl-2-Pentanone	10.441	43	3005	1.559	ug/l	100
52) Toluene	10.623	92	3142	0.682	ug/l	99
54) cis-1,3-Dichloropropene	10.359	75	21677	7.541	ug/l #	70
56) Ethyl methacrylate	10.988	69	1588	0.903	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	1817	0.609	ug/l #	42
59) 2-Hexanone	11.171	43	73451	52.316	ug/l #	18
67) Ethyl Benzene	11.959	91	2539	0.269	ug/l	96
68) m/p-Xylenes	12.065	106	905	0.244	ug/l	98
76) 1,2,3-Trichloropropane	12.847	75	52668	24.142	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	52668	63.826	ug/l #	16
95) Naphthalene	15.641	128	1590	0.328	ug/l #	74

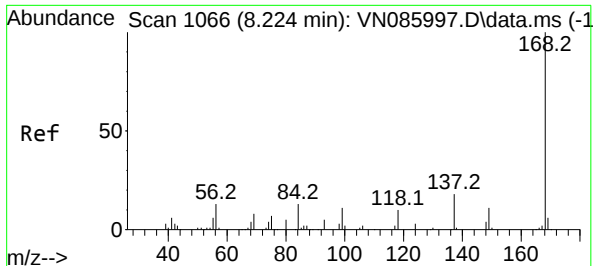
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 19 03:20:56 2025
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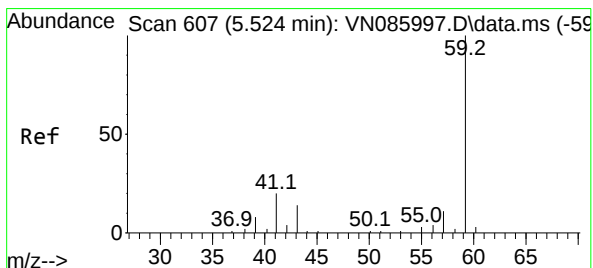
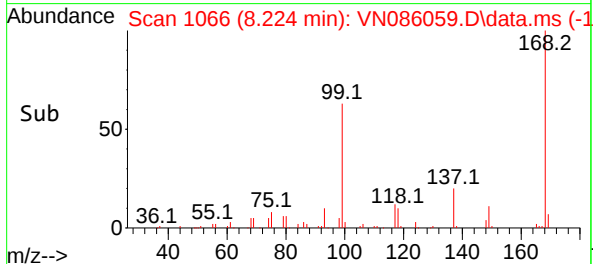
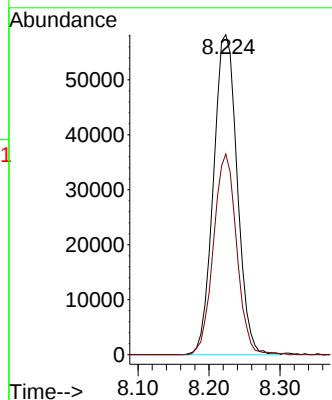
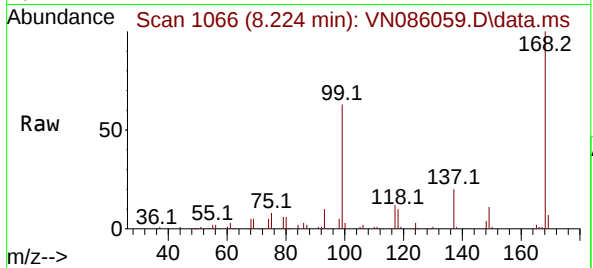




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

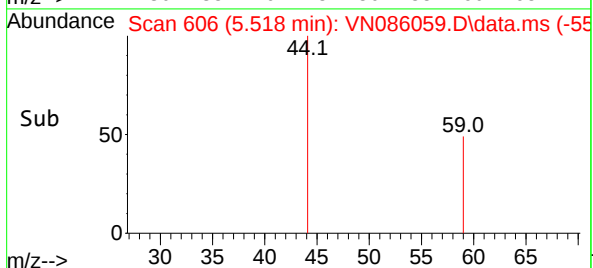
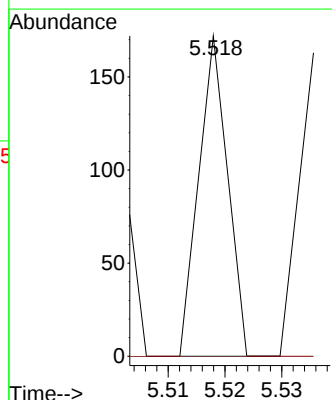
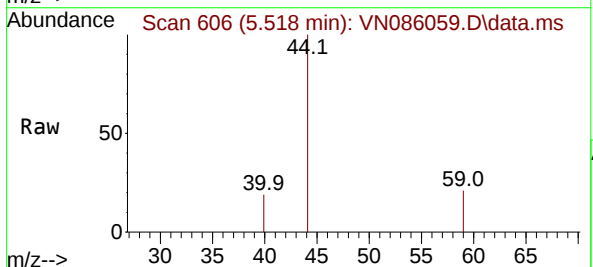
Instrument :
MSVOA_N
ClientSampleId :
RT3025

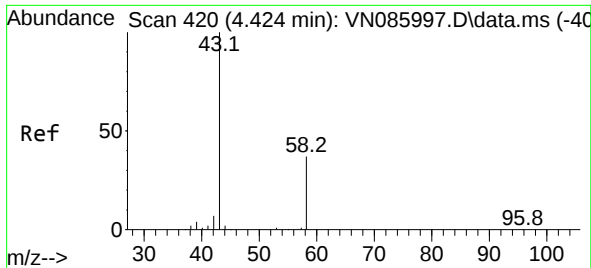
Tgt Ion:168 Resp: 134777
Ion Ratio Lower Upper
168 100
99 62.7 49.4 74.2



#11
Tert butyl alcohol
Concen: 0.233 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

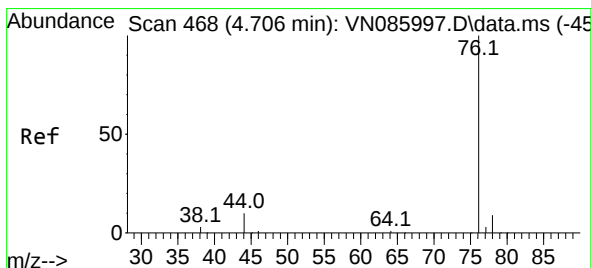
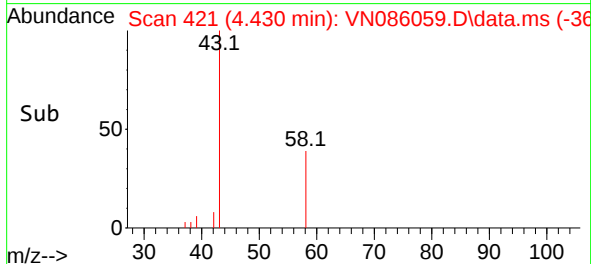
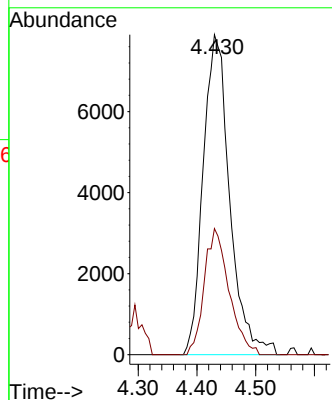
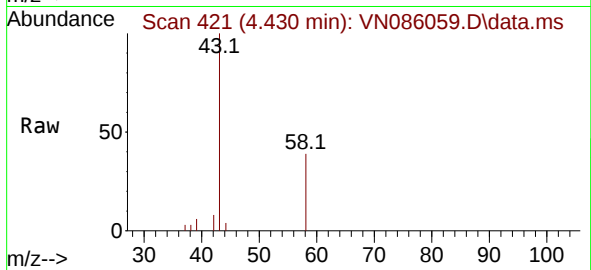




#16
Acetone
Concen: 43.919 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

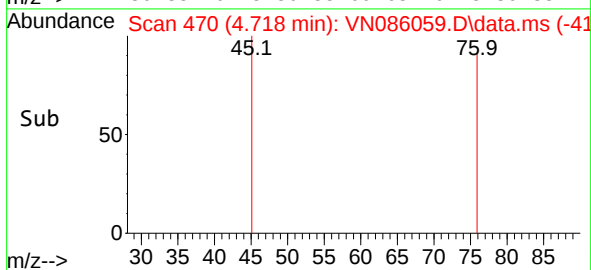
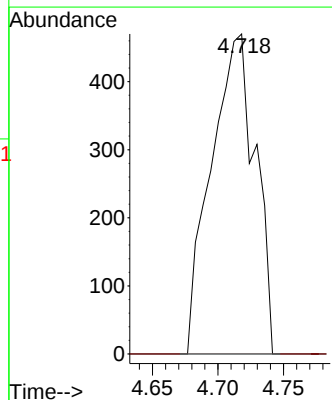
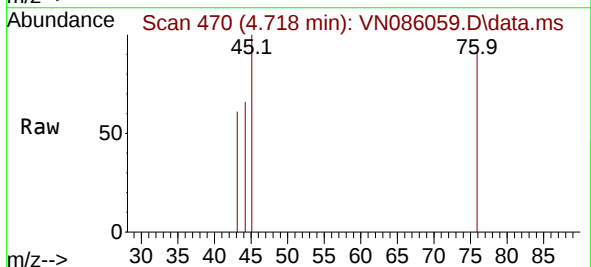
Instrument :
MSVOA_N
ClientSampleId :
RT3025

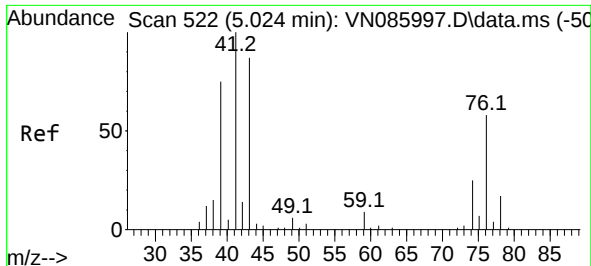
Tgt Ion: 43 Resp: 24763
Ion Ratio Lower Upper
43 100
58 39.4 29.4 44.2



#17
Carbon Disulfide
Concen: 0.242 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.012 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

Tgt Ion: 76 Resp: 1101
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

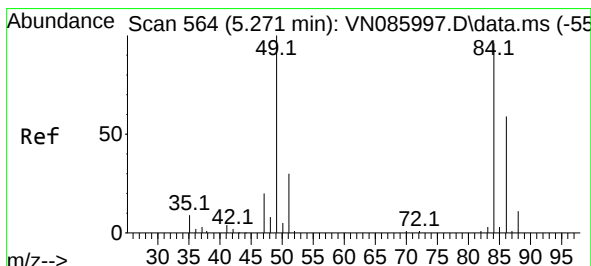
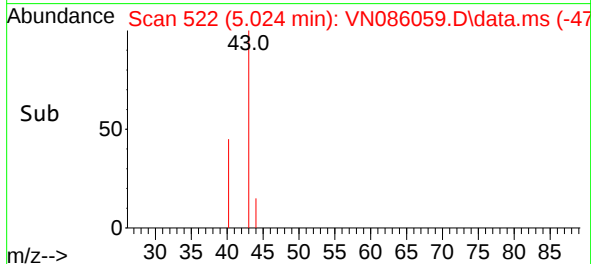
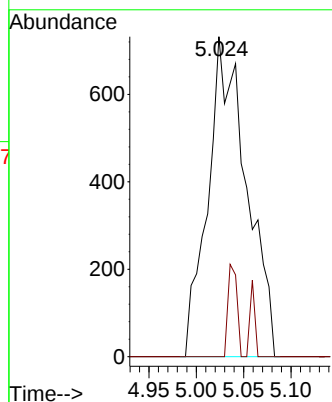
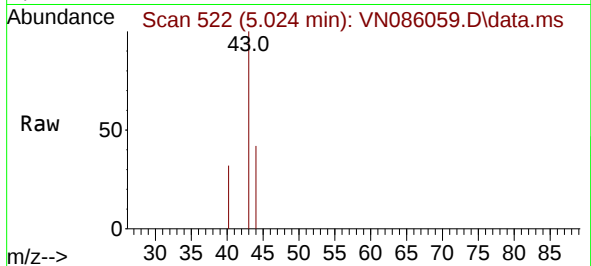




#18
Methyl Acetate
Concen: 1.483 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

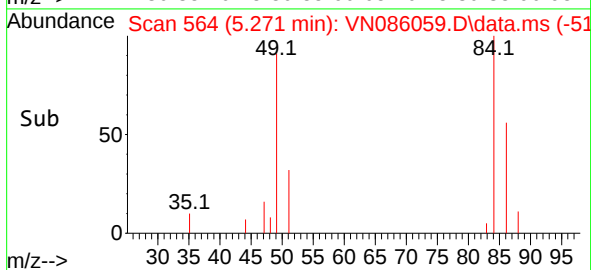
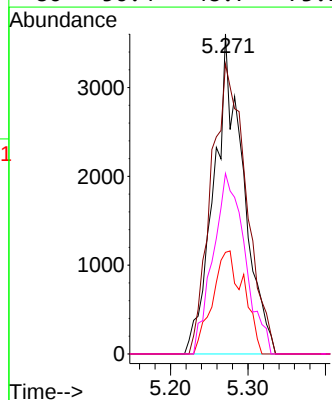
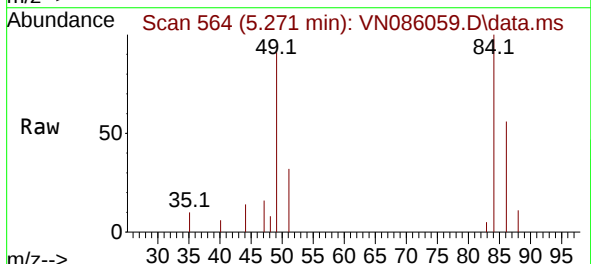
Instrument :
MSVOA_N
ClientSampleId :
RT3025

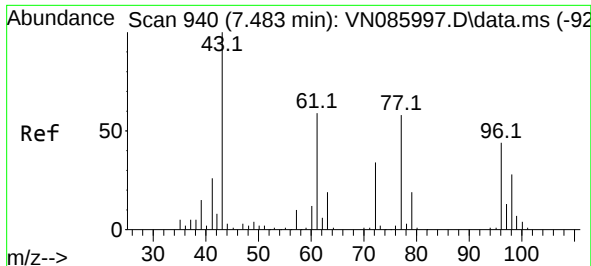
Tgt Ion: 43 Resp: 2069
Ion Ratio Lower Upper
43 100
74 6.8 23.9 35.9#



#20
Methylene Chloride
Concen: 5.767 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

Tgt Ion: 84 Resp: 9512
Ion Ratio Lower Upper
84 100
49 90.6 83.3 124.9
51 31.8 24.8 37.2
86 56.4 48.7 73.1

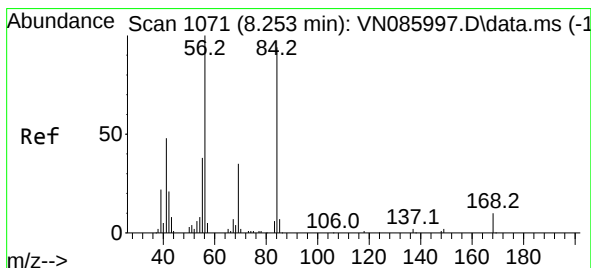
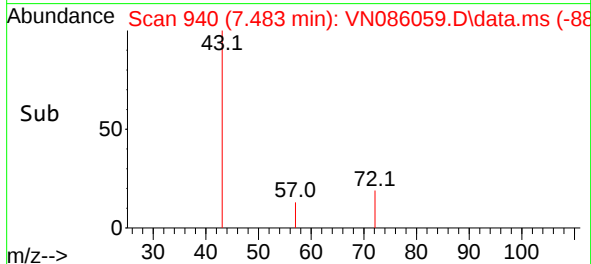
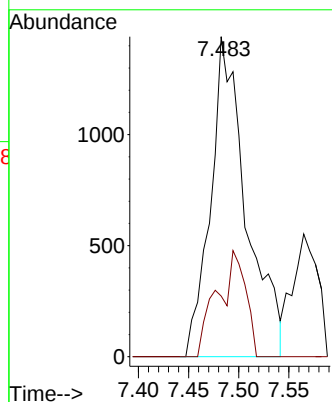
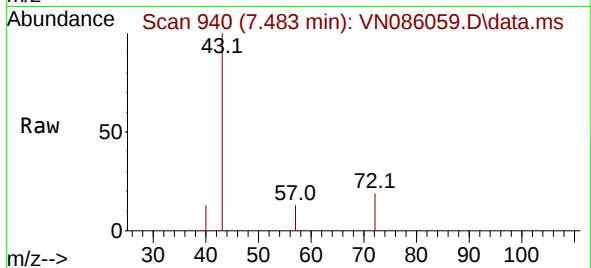




#25
2-Butanone
Concen: 4.371 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

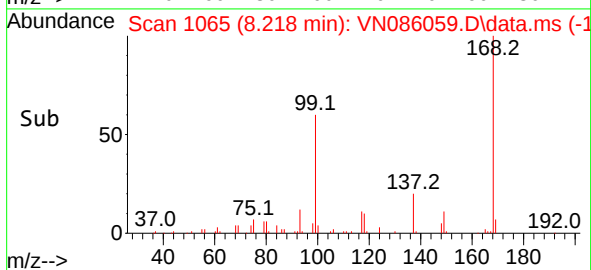
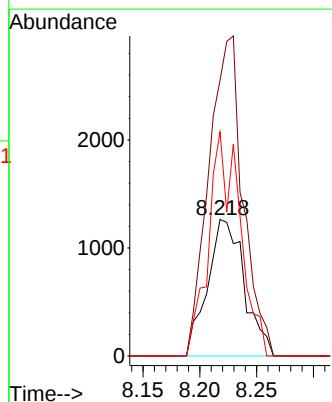
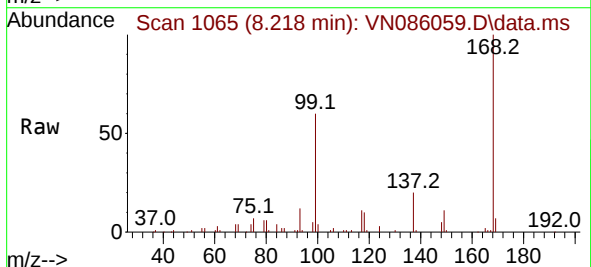
Instrument :
MSVOA_N
ClientSampleId :
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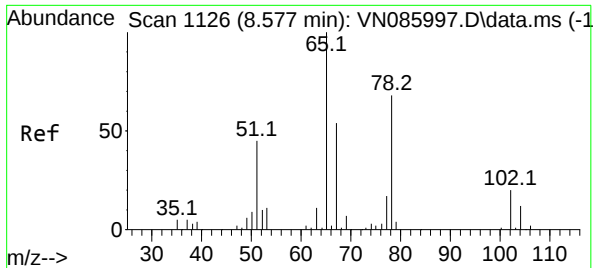
Tgt Ion: 43 Resp: 3556
Ion Ratio Lower Upper
43 100
72 18.9 27.4 41.0#



#31
Cyclohexane
Concen: 1.234 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.036 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

Tgt Ion: 56 Resp: 2837
Ion Ratio Lower Upper
56 100
69 201.7 28.0 42.0#
84 164.0 75.0 112.6#

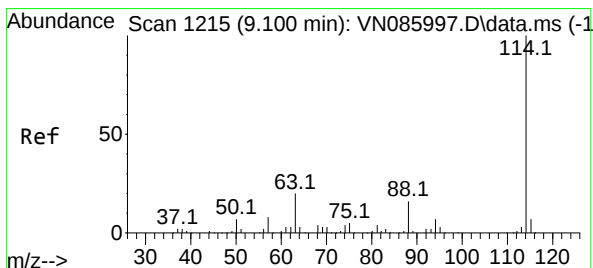
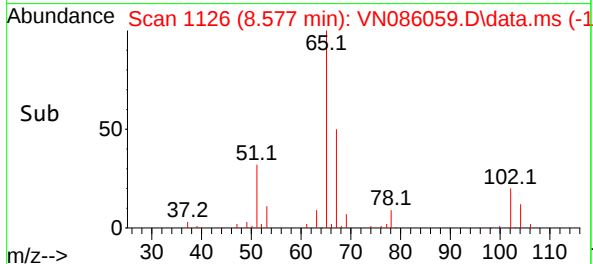
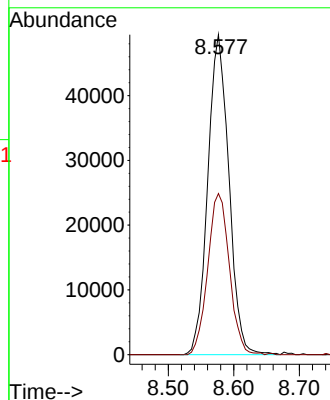
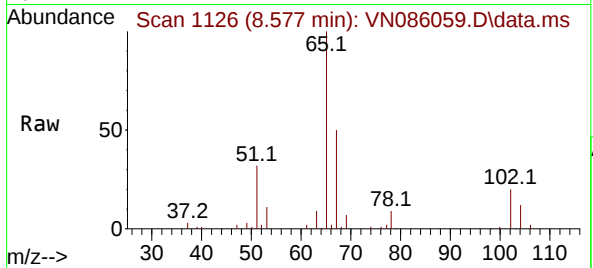




#33
 1,2-Dichloroethane-d4
 Concen: 59.810 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN086059.D
 Acq: 21 Mar 2025 22:55

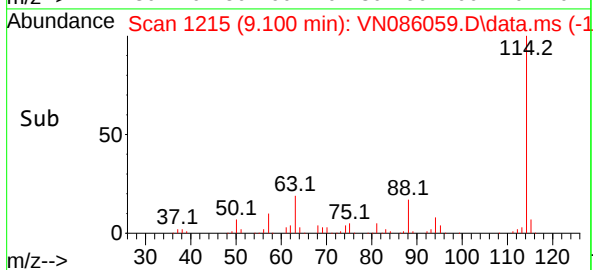
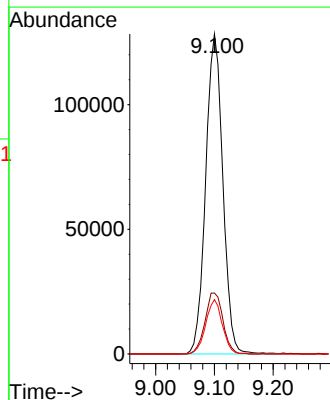
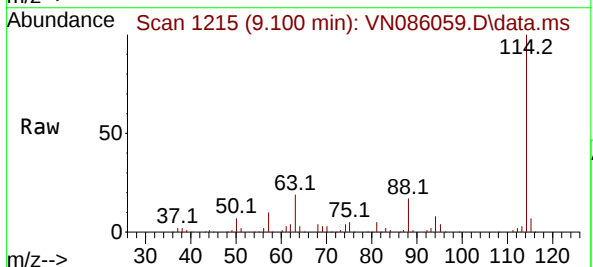
Instrument :
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 RT3025

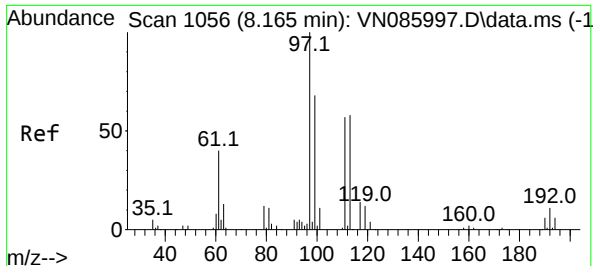
Tgt Ion: 65 Resp: 110383
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN086059.D
 Acq: 21 Mar 2025 22:55

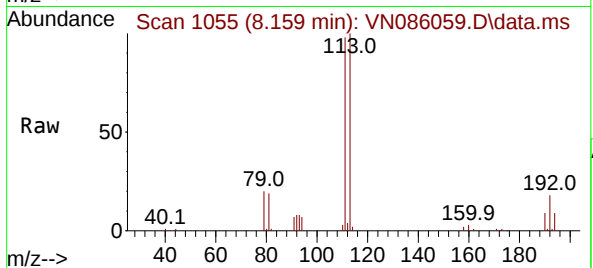
Tgt Ion: 114 Resp: 260087
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.6
 88 17.0 0.0 32.6



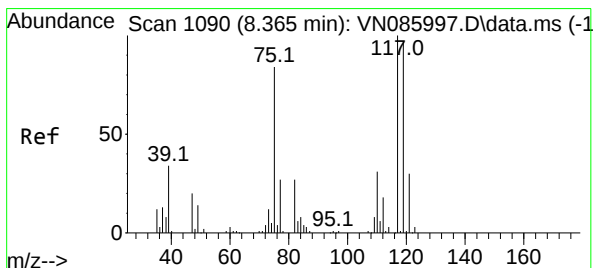
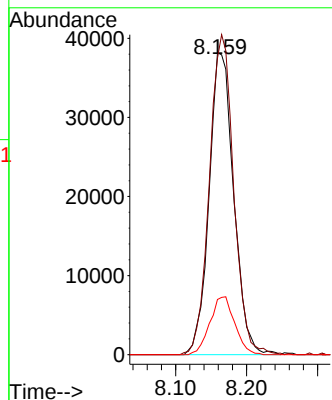
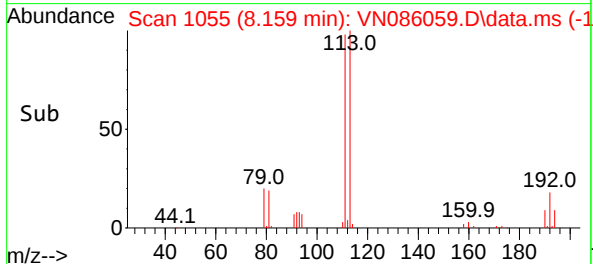


#35
Dibromofluoromethane
Concen: 50.671 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

Instrument :
MSVOA_N
ClientSampleId :
RT3025

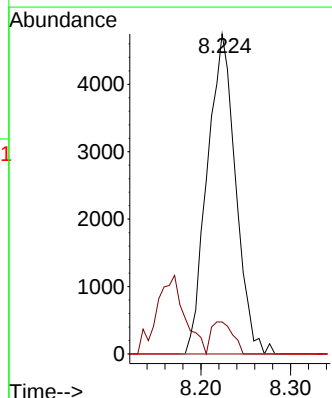
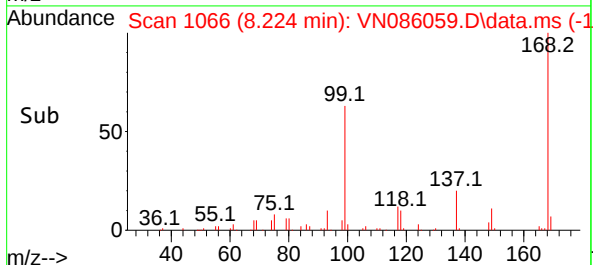
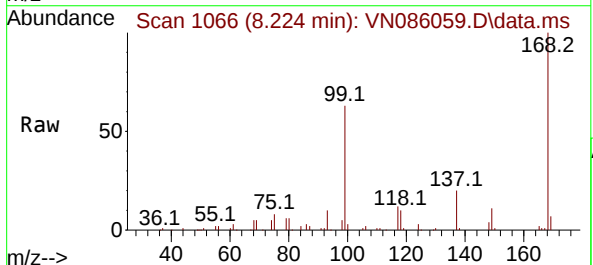


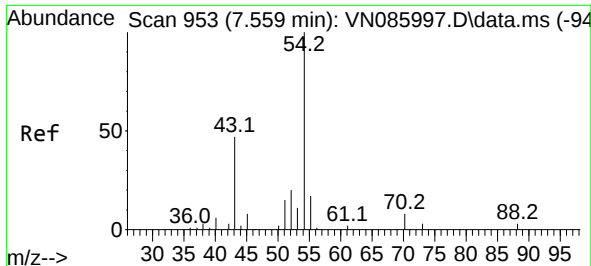
Tgt Ion:113 Resp: 91986
Ion Ratio Lower Upper
113 100
111 104.4 81.8 122.8
192 19.3 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.365 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

Tgt Ion: 75 Resp: 10435
Ion Ratio Lower Upper
75 100
110 7.6 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.476 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN086059.D

Acq: 21 Mar 2025 22:55

Instrument :

MSVOA_N

ClientSampleId :

RT3025

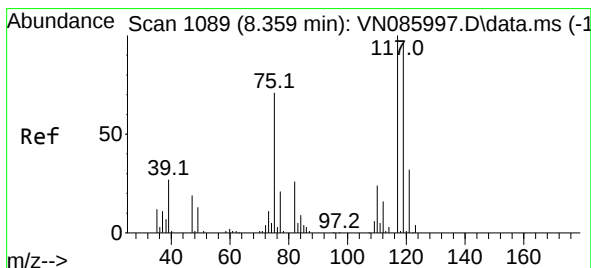
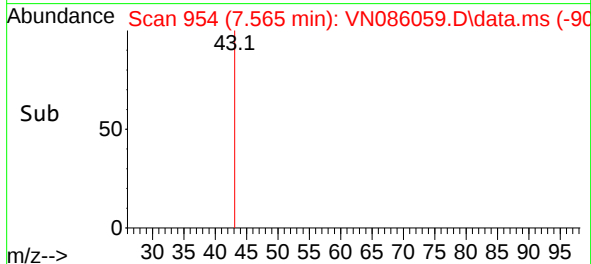
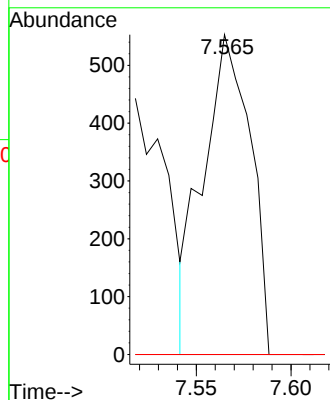
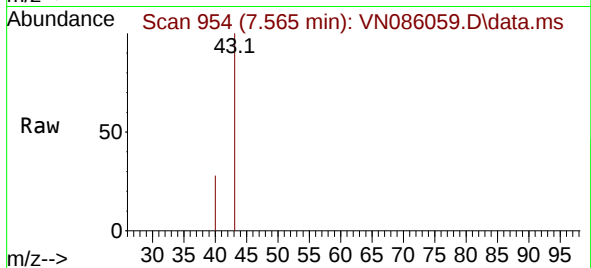
Tgt Ion: 43 Resp: 959

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 11.0 16.6#



#38

Carbon Tetrachloride

Concen: 4.667 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086059.D

Acq: 21 Mar 2025 22:55

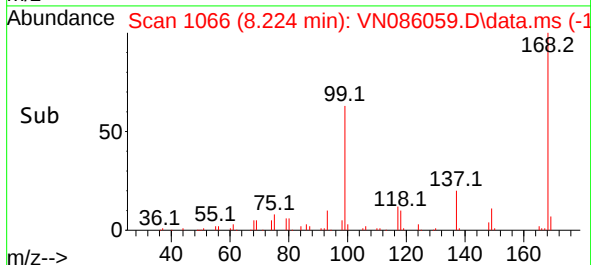
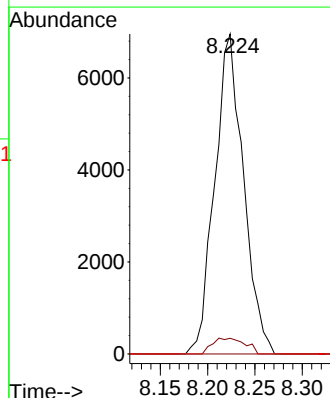
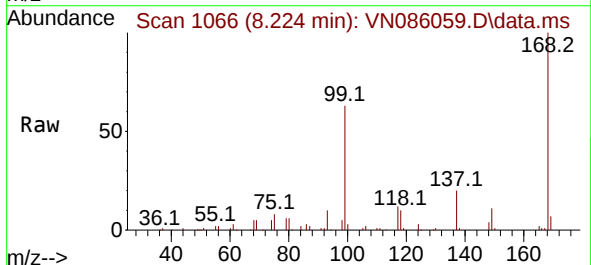
Tgt Ion: 117 Resp: 14669

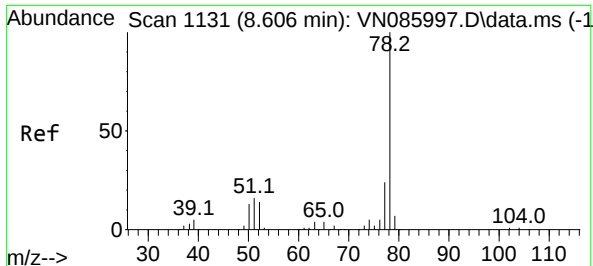
Ion Ratio Lower Upper

117 100

119 4.9 77.0 115.4#

121 0.0 25.6 38.4#

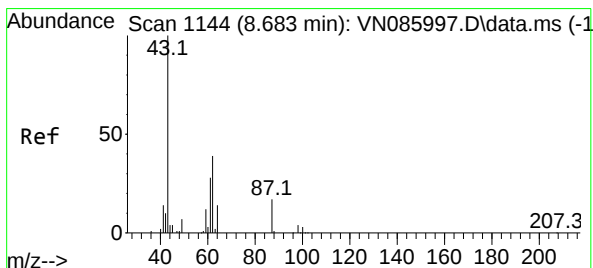
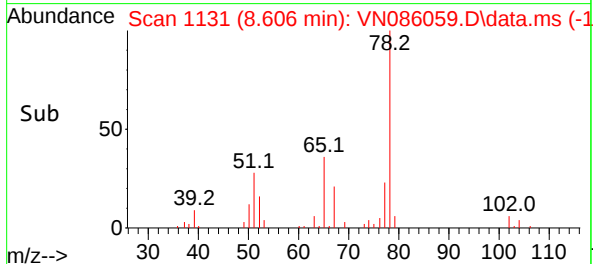
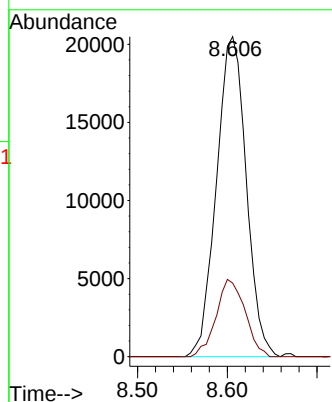
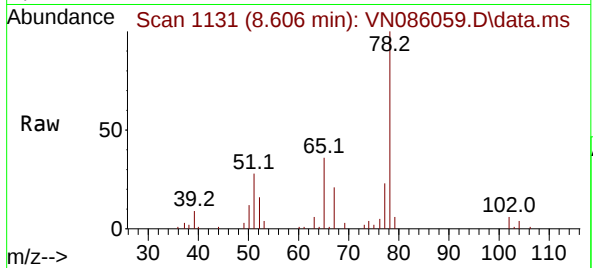




#40
Benzene
Concen: 6.298 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

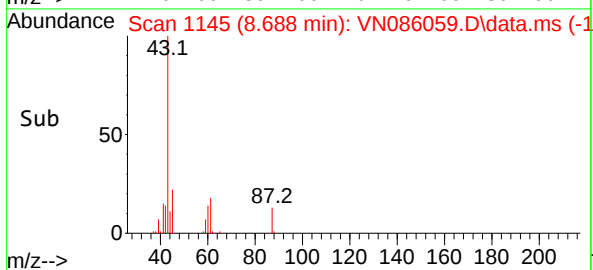
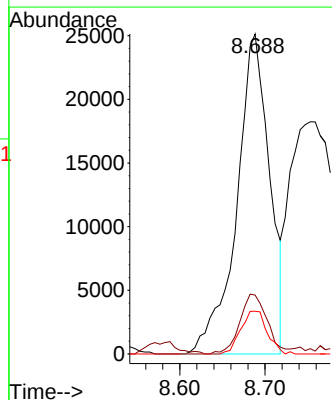
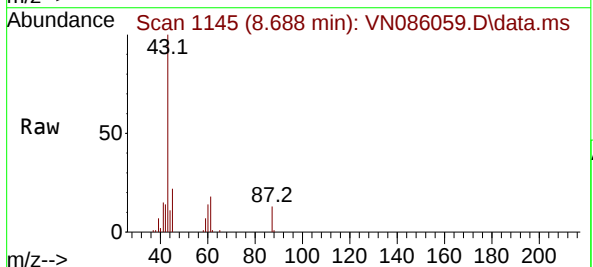
Instrument :
MSVOA_N
ClientSampleId :
RT3025

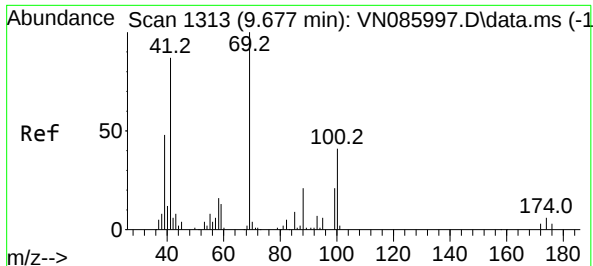
Tgt Ion: 78 Resp: 47260
Ion Ratio Lower Upper
78 100
77 23.0 18.9 28.3



#43
Isopropyl Acetate
Concen: 15.437 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

Tgt Ion: 43 Resp: 67458
Ion Ratio Lower Upper
43 100
61 15.6 25.0 37.6#
87 10.8 13.0 19.4#





#48

Methyl methacrylate

Concen: 1.281 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN086059.D

Acq: 21 Mar 2025 22:55

Instrument :

MSVOA_N

ClientSampleId :

RT3025

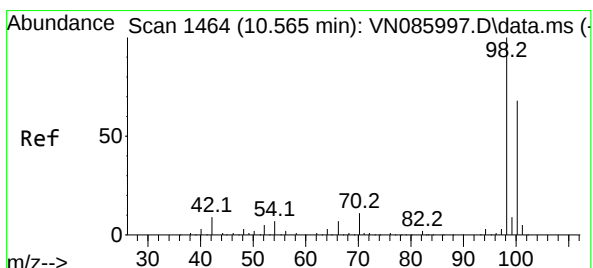
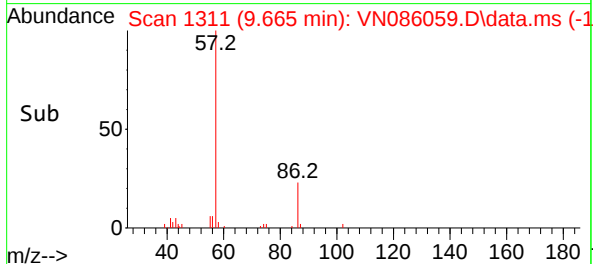
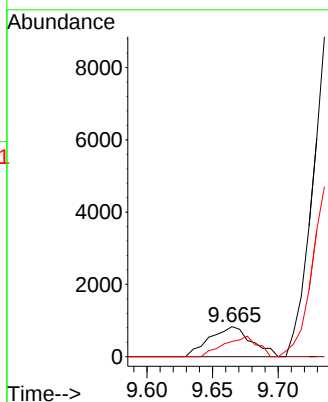
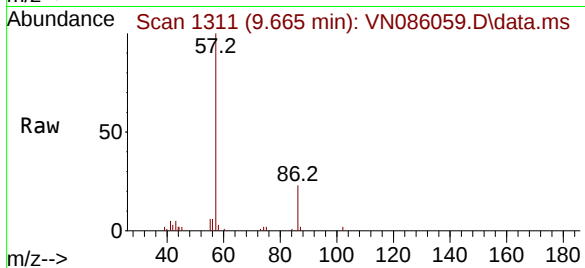
Tgt Ion: 41 Resp: 1847

Ion Ratio Lower Upper

41 100

69 0.0 83.1 124.7#

39 53.9 45.6 68.4



#50

Toluene-d8

Concen: 51.114 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086059.D

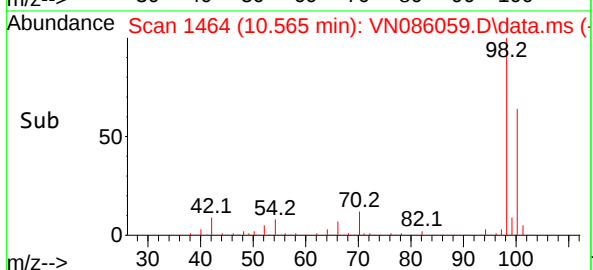
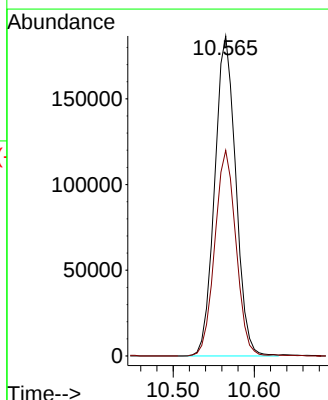
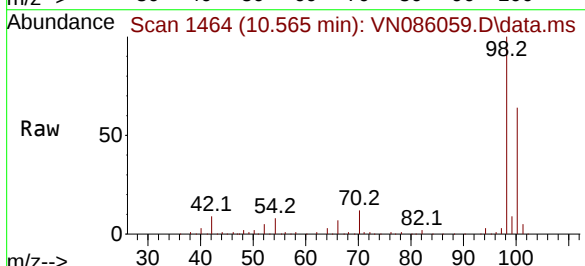
Acq: 21 Mar 2025 22:55

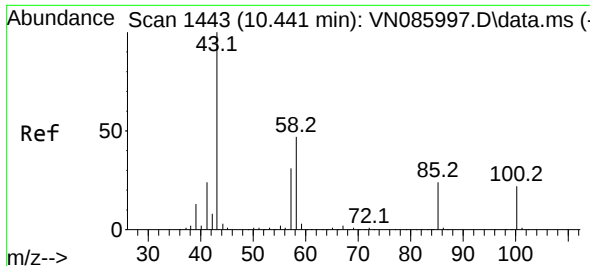
Tgt Ion: 98 Resp: 336768

Ion Ratio Lower Upper

98 100

100 64.7 53.1 79.7

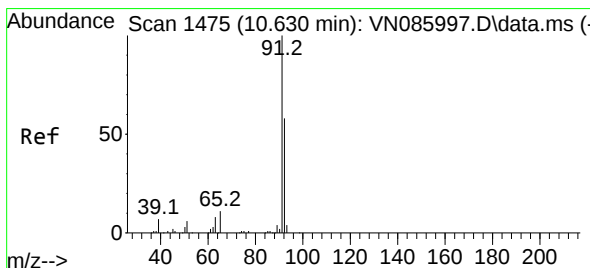
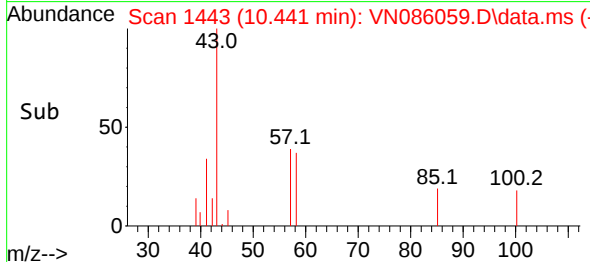
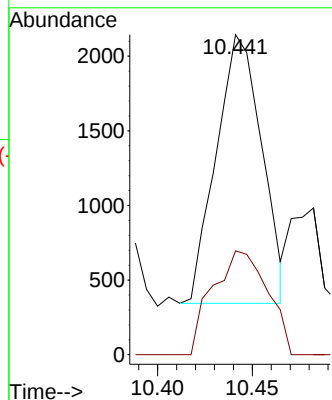
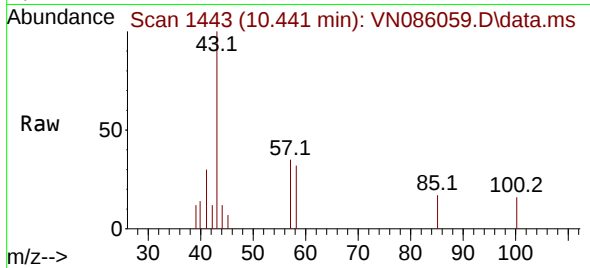




#51
4-Methyl-2-Pentanone
Concen: 1.559 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

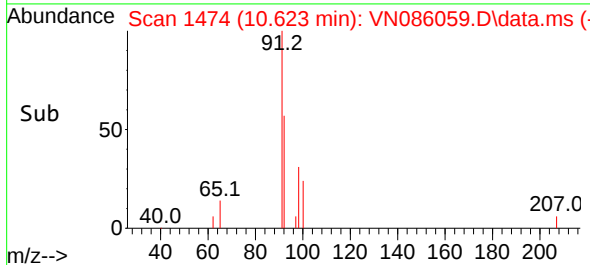
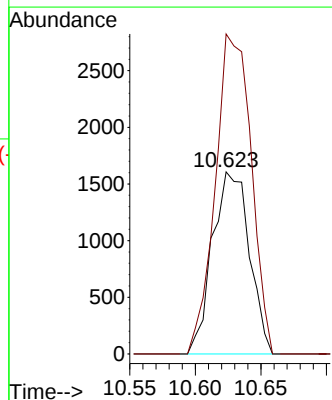
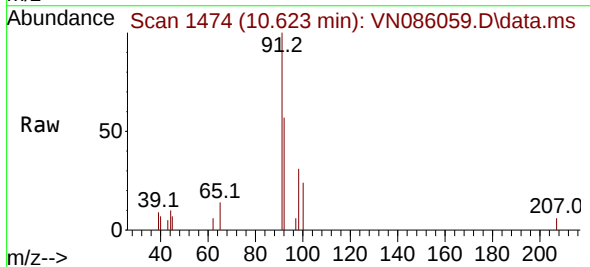
Instrument :
MSVOA_N
ClientSampleId :
RT3025

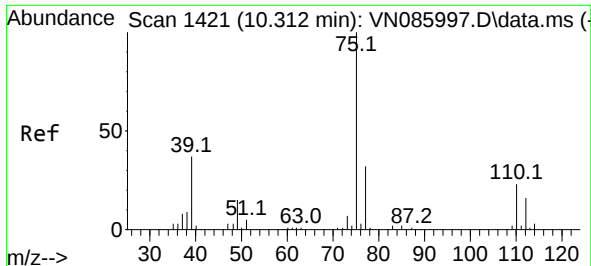
Tgt Ion: 43 Resp: 3005
Ion Ratio Lower Upper
43 100
58 46.7 37.4 56.0



#52
Toluene
Concen: 0.682 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

Tgt Ion: 92 Resp: 3142
Ion Ratio Lower Upper
92 100
91 171.2 136.2 204.4

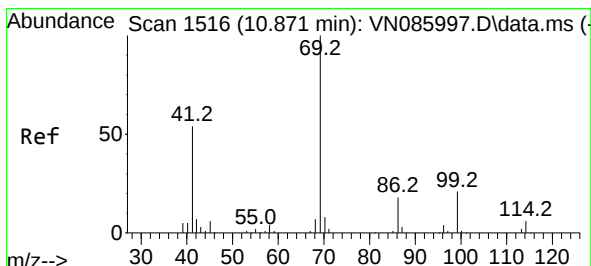
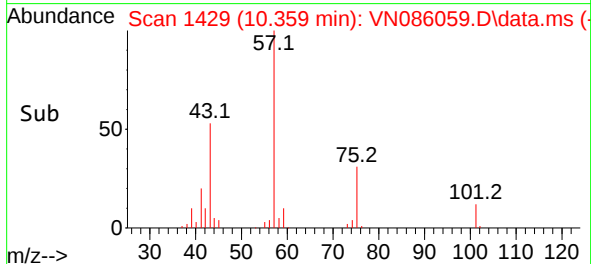
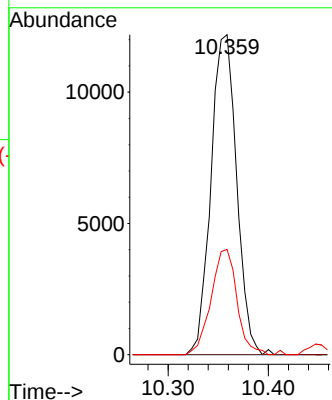
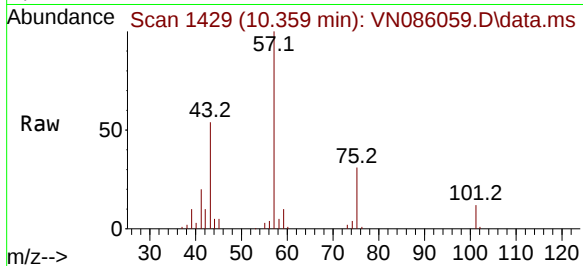




#54
 cis-1,3-Dichloropropene
 Concen: 7.541 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN086059.D
 Acq: 21 Mar 2025 22:55

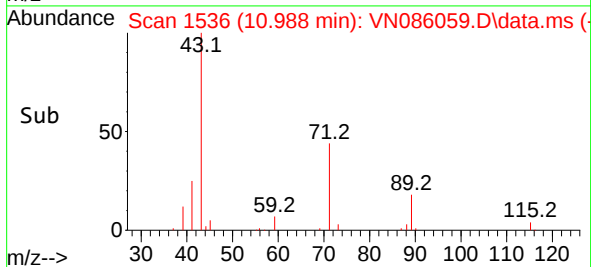
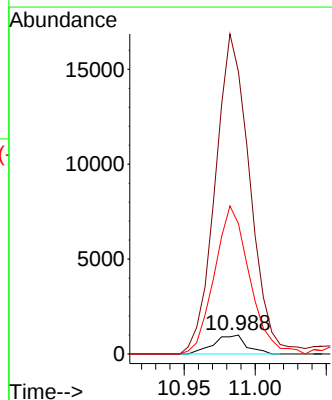
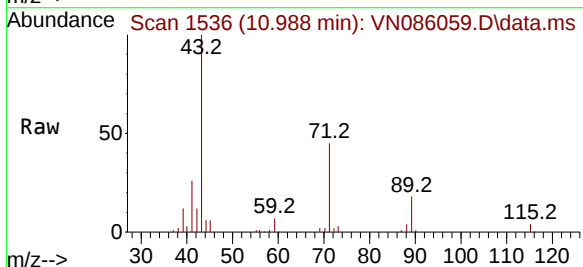
Instrument :
 MSVOA_N
 ClientSampleId :
 RT3025

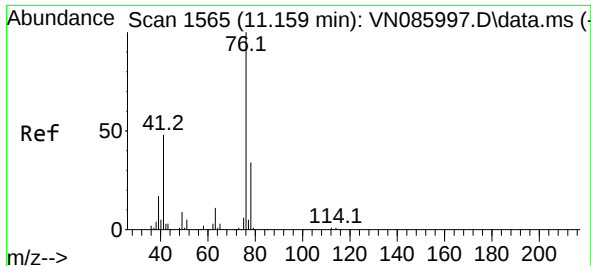
Tgt Ion: 75 Resp: 21677
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 32.9 29.6 44.4



#56
 Ethyl methacrylate
 Concen: 0.903 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.117 min
 Lab File: VN086059.D
 Acq: 21 Mar 2025 22:55

Tgt Ion: 69 Resp: 1588
 Ion Ratio Lower Upper
 69 100
 41 1801.9 41.6 62.4#
 39 845.0 21.8 32.8#





#57

1,3-Dichloropropane

Concen: 0.609 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086059.D

Acq: 21 Mar 2025 22:55

Instrument :

MSVOA_N

ClientSampleId :

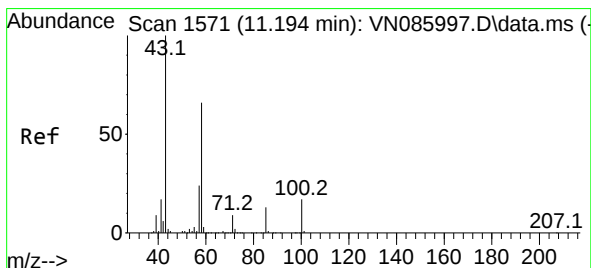
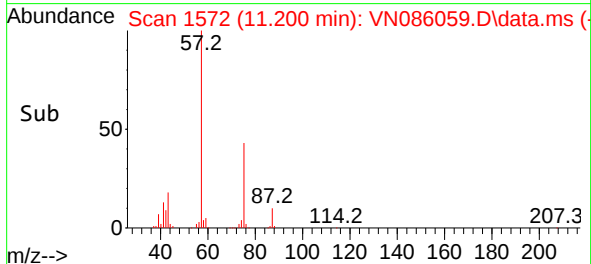
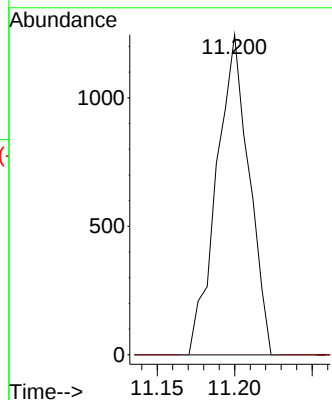
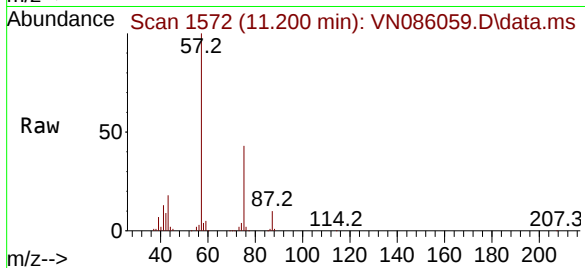
RT3025

Tgt Ion: 76 Resp: 1817

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 52.316 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN086059.D

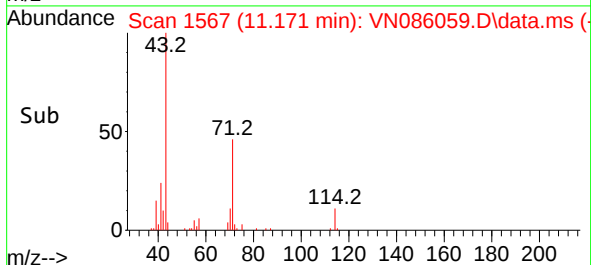
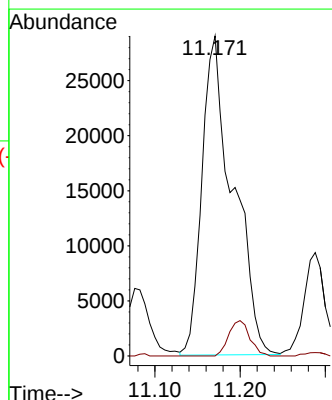
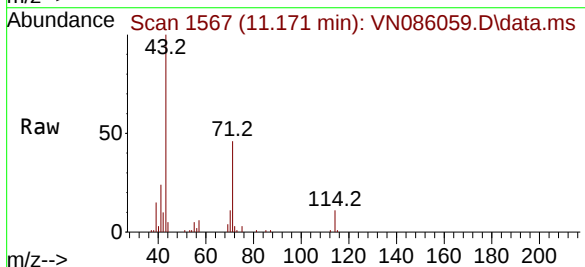
Acq: 21 Mar 2025 22:55

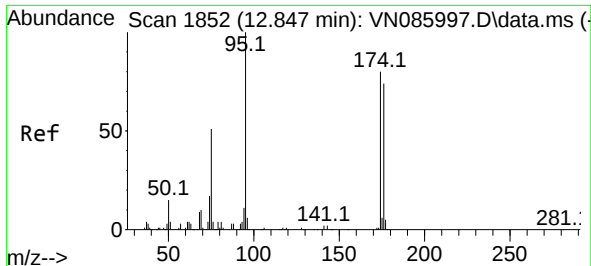
Tgt Ion: 43 Resp: 73451

Ion Ratio Lower Upper

43 100

58 0.0 32.4 97.2#

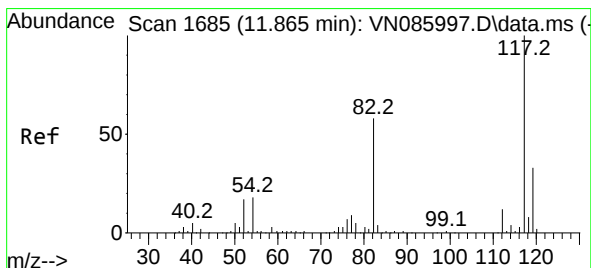
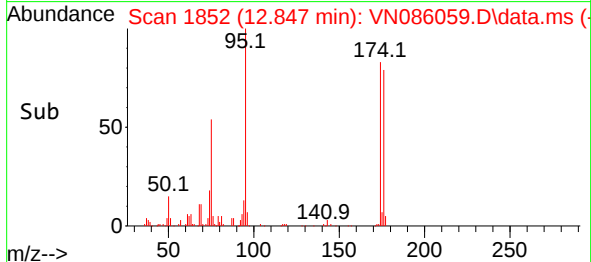
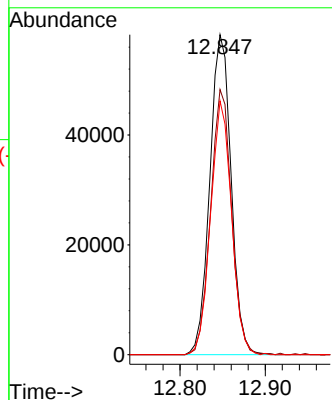
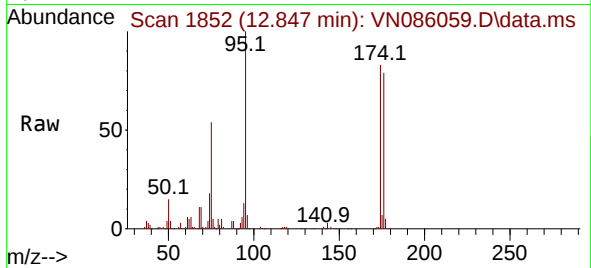




#62
4-Bromofluorobenzene
Concen: 43.016 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

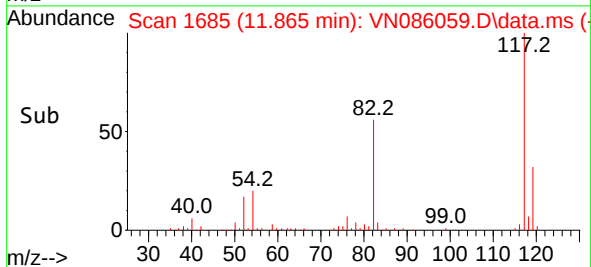
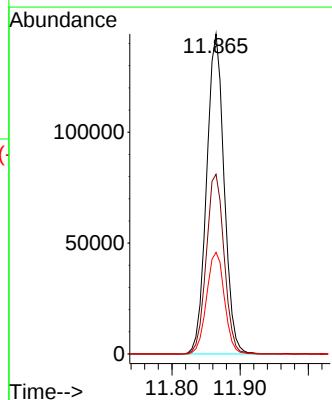
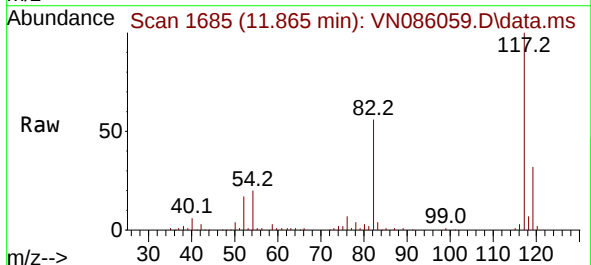
Instrument :
MSVOA_N
ClientSampleId :
RT3025

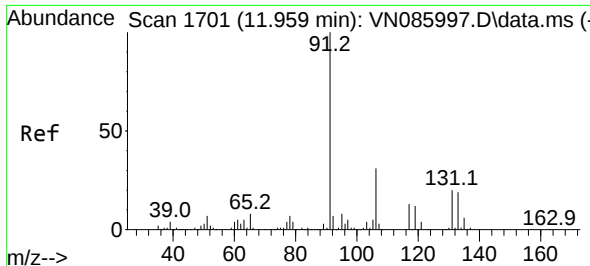
Tgt Ion: 95 Resp: 101074
Ion Ratio Lower Upper
95 100
174 81.8 0.0 156.8
176 77.8 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

Tgt Ion: 117 Resp: 258020
Ion Ratio Lower Upper
117 100
82 56.1 46.7 70.1
119 31.7 26.5 39.7

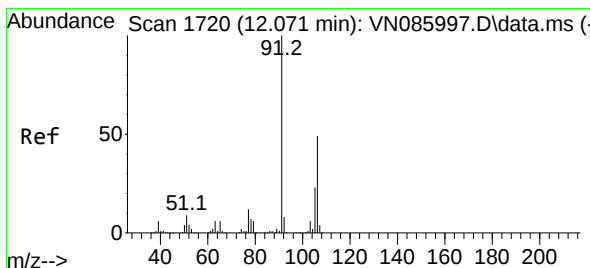
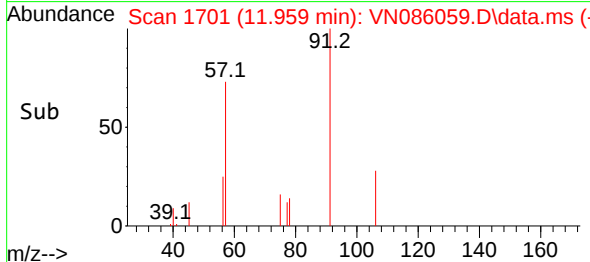
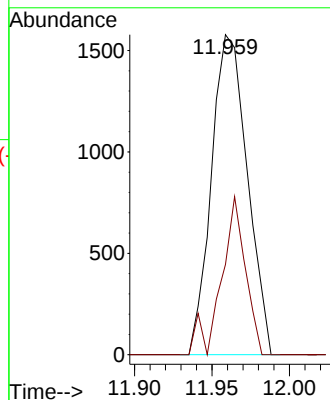
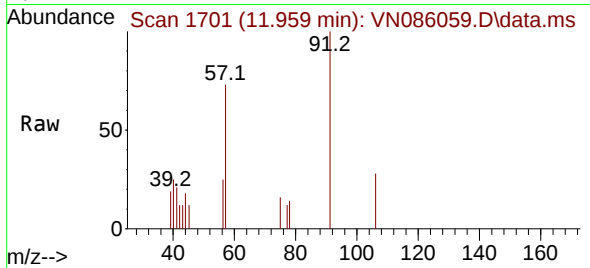




#67
Ethyl Benzene
Concen: 0.269 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

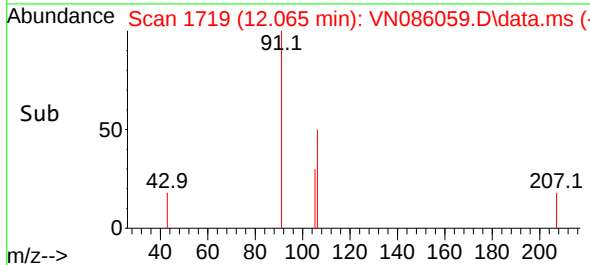
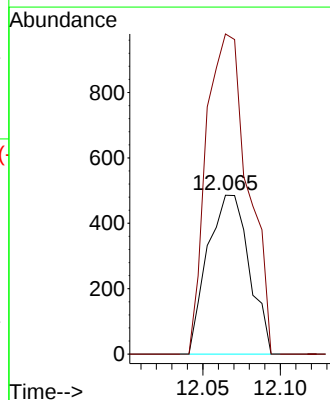
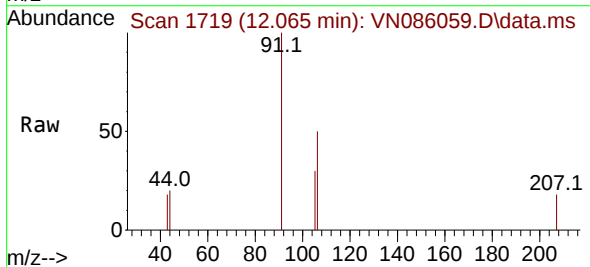
Instrument :
MSVOA_N
ClientSampleId :
RT3025

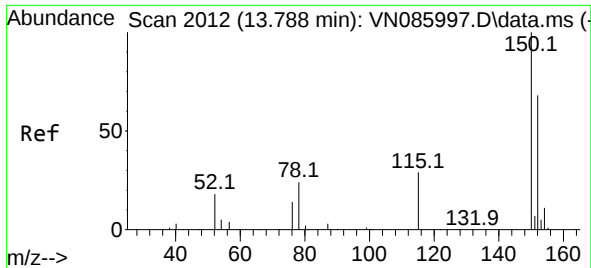
Tgt Ion: 91 Resp: 2539
Ion Ratio Lower Upper
91 100
106 28.2 24.5 36.7



#68
m/p-Xylenes
Concen: 0.244 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

Tgt Ion: 106 Resp: 905
Ion Ratio Lower Upper
106 100
91 202.3 163.9 245.9

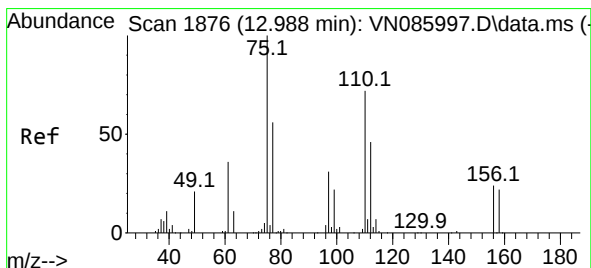
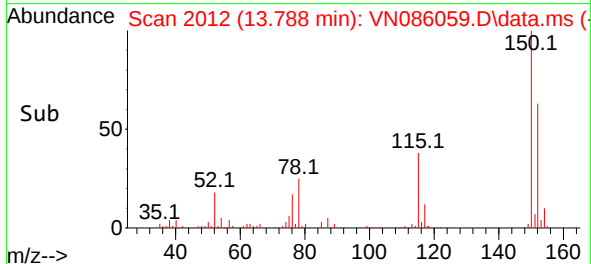
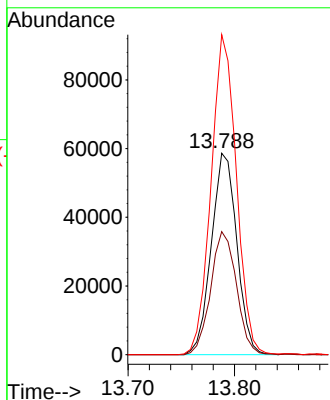
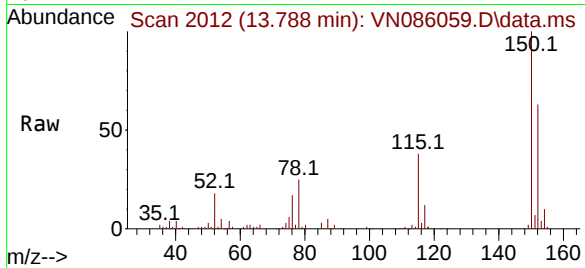




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086059.D
 Acq: 21 Mar 2025 22:55

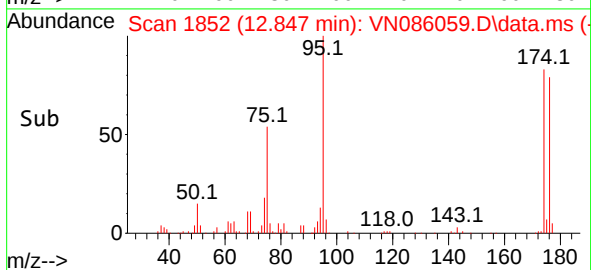
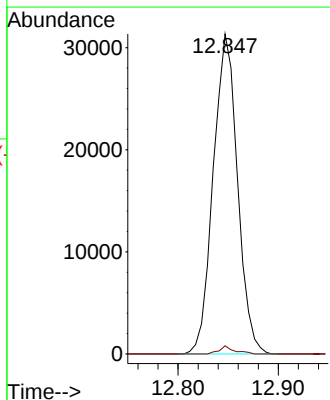
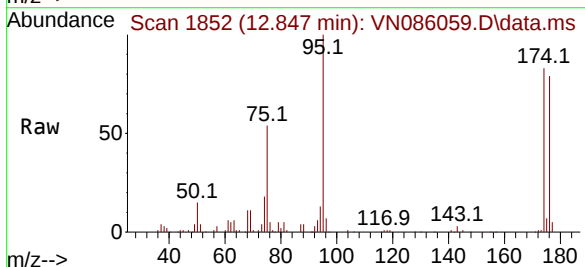
Instrument :
 MSVOA_N
 ClientSampleId :
 RT3025

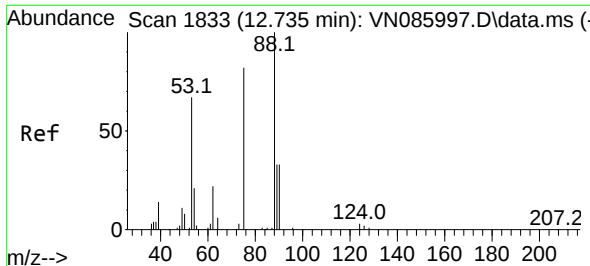
Tgt Ion:152 Resp: 97446
 Ion Ratio Lower Upper
 152 100
 115 61.8 31.1 93.2
 150 157.7 0.0 359.6



#76
 1,2,3-Trichloropropane
 Concen: 24.142 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN086059.D
 Acq: 21 Mar 2025 22:55

Tgt Ion: 75 Resp: 52668
 Ion Ratio Lower Upper
 75 100
 77 1.6 83.7 251.0#

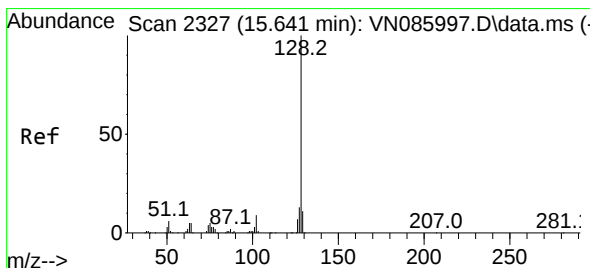
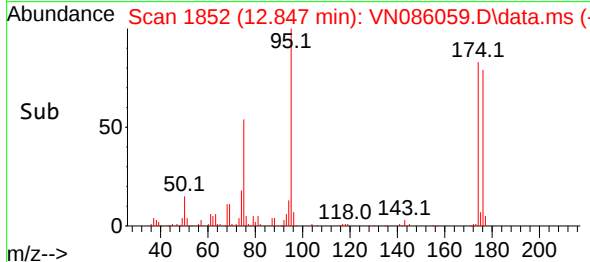
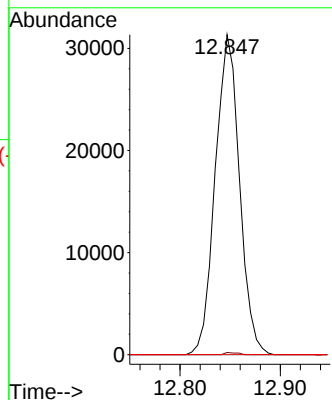
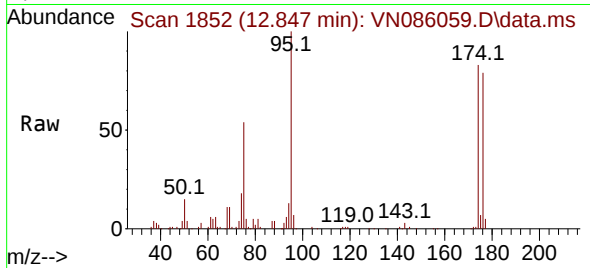




#81
trans-1,4-Dichloro-2-butene
Concen: 63.826 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

Instrument :
MSVOA_N
ClientSampleId :
RT3025

Tgt Ion: 75 Resp: 52668
Ion Ratio Lower Upper
75 100
53 0.4 66.0 99.0#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.328 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086059.D
Acq: 21 Mar 2025 22:55

Tgt Ion: 128 Resp: 1590
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 3.7 9.0 13.6#

