

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085947.D
 Acq On : 11 Mar 2025 21:29
 Operator : JC\MD
 Sample : Q1534-24
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ENV-105-SB01

Quant Time: Mar 12 01:31:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

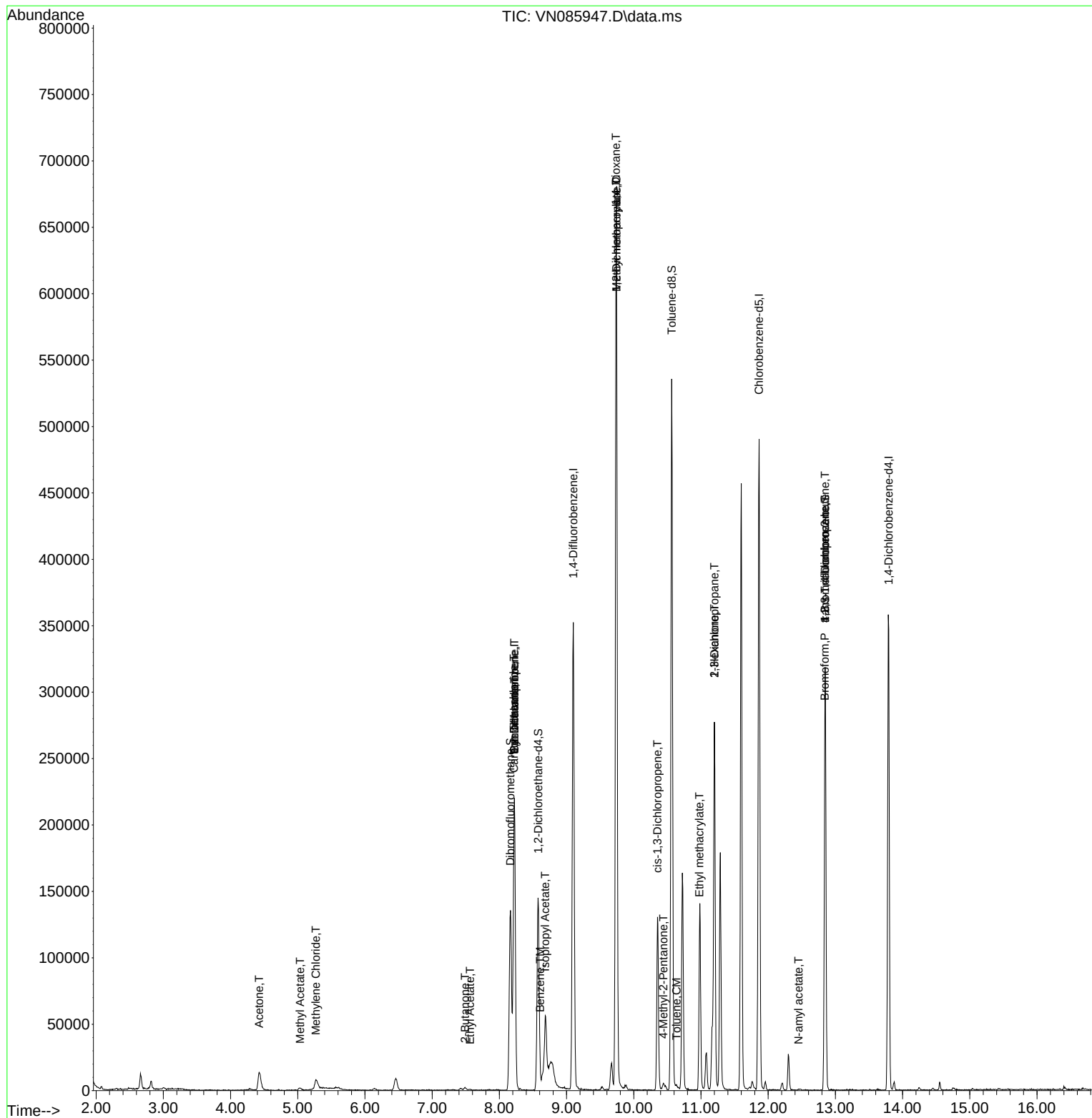
Internal Standards						
1) Pentafluorobenzene	8.224	168	154053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	299260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	99543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118390	59.277	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.560%			
35) Dibromofluoromethane	8.165	113	99800	50.965	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.920%			
50) Toluene-d8	10.565	98	368578	51.733	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.460%			
62) 4-Bromofluorobenzene	12.847	95	111523	47.509	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.020%			
Target Compounds					Qvalue	
16) Acetone	4.424	43	25696	40.661	ug/l	95
18) Methyl Acetate	5.036	43	3658	1.683	ug/l #	76
20) Methylene Chloride	5.271	84	5536	2.724	ug/l #	88
25) 2-Butanone	7.489	43	3770	4.055	ug/l #	82
31) Cyclohexane	8.224	56	3403	1.193	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13890	5.012	ug/l #	49
37) Ethyl Acetate	7.565	43	1253	0.549	ug/l #	66
38) Carbon Tetrachloride	8.218	117	16897	5.131	ug/l #	19
40) Benzene	8.606	78	3010	0.339	ug/l	97
43) Isopropyl Acetate	8.683	43	71882	17.605	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	854	0.398	ug/l #	43
48) Methyl methacrylate	9.741	41	60949	35.984	ug/l #	37
49) 1,4-Dioxane	9.735	88	58	1.801	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	2683	1.220	ug/l	88
52) Toluene	10.635	92	1221	0.235	ug/l	87
54) cis-1,3-Dichloropropene	10.353	75	22816	6.954	ug/l #	64
56) Ethyl methacrylate	10.977	69	1192	0.907	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2764	0.800	ug/l #	42
59) 2-Hexanone	11.200	43	35080	23.190	ug/l #	51
71) Bromoform	12.841	173	462	0.267	ug/l #	27
74) N-amyl acetate	12.453	43	514	0.214	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	57743	26.114	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57743	76.194	ug/l #	12

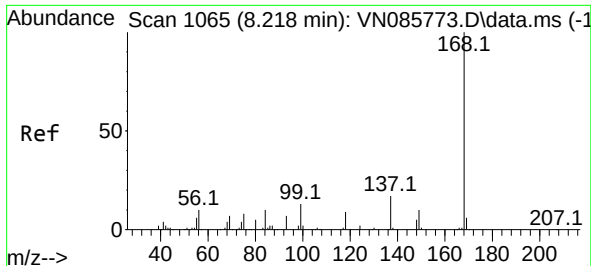
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085947.D
Acq On : 11 Mar 2025 21:29
Operator : JC\MD
Sample : Q1534-24
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

Quant Time: Mar 12 01:31:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

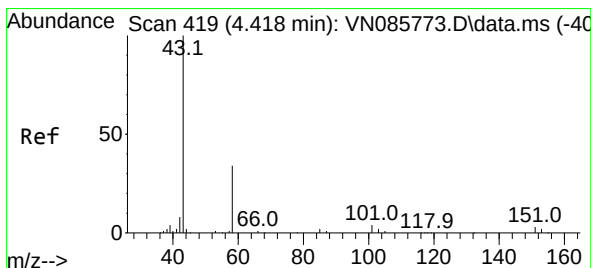
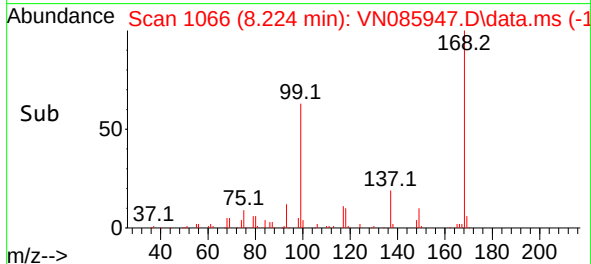
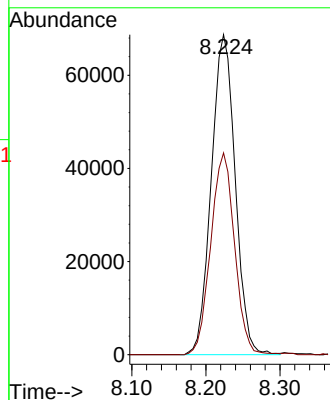
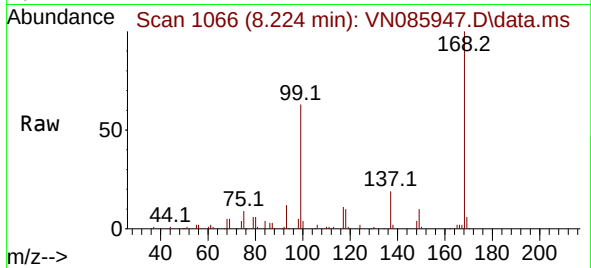




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

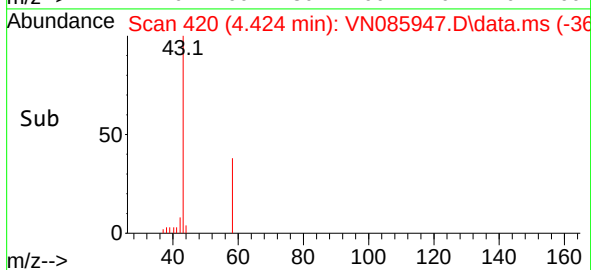
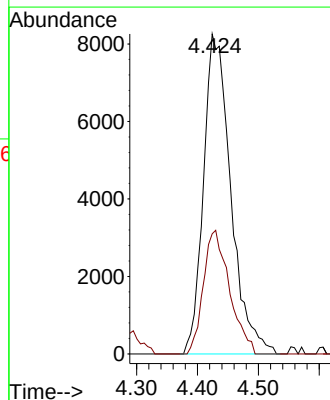
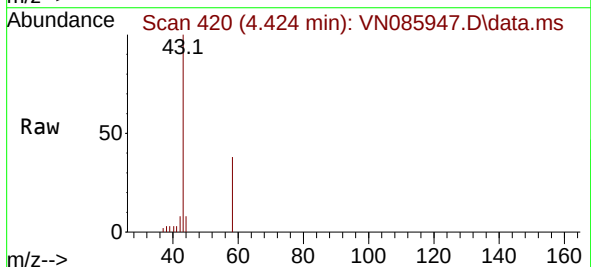
Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

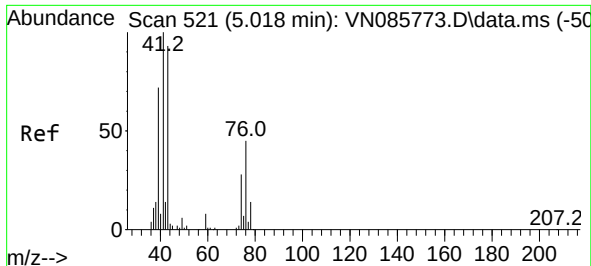
Tgt Ion:168 Resp: 154053
Ion Ratio Lower Upper
168 100
99 63.0 47.9 71.9



#16
Acetone
Concen: 40.661 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Tgt Ion: 43 Resp: 25696
Ion Ratio Lower Upper
43 100
58 37.5 27.5 41.3

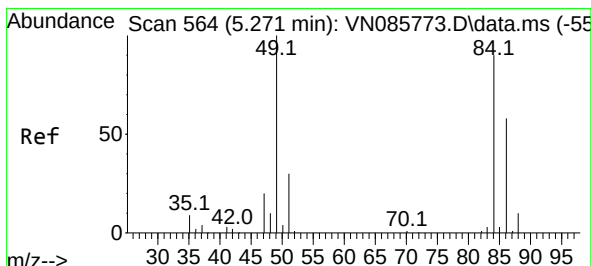
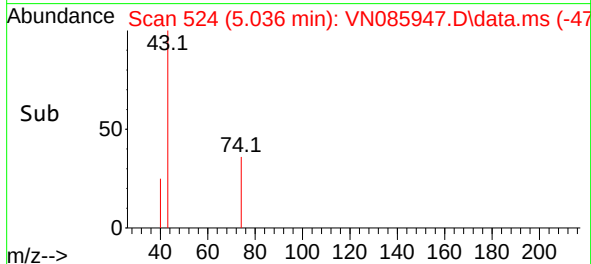
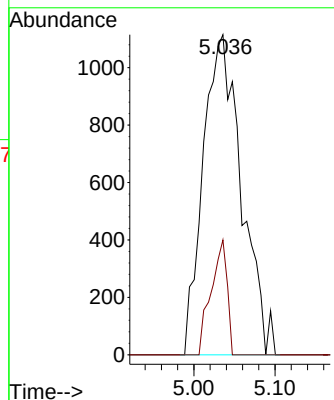
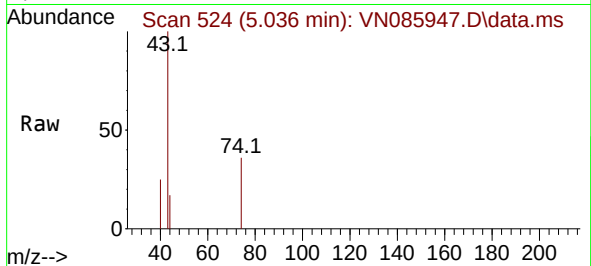




#18
Methyl Acetate
Concen: 1.683 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

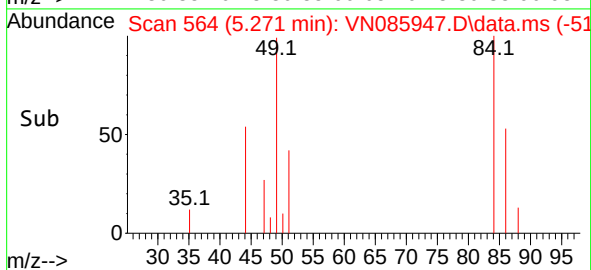
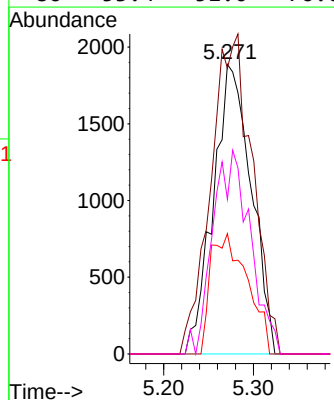
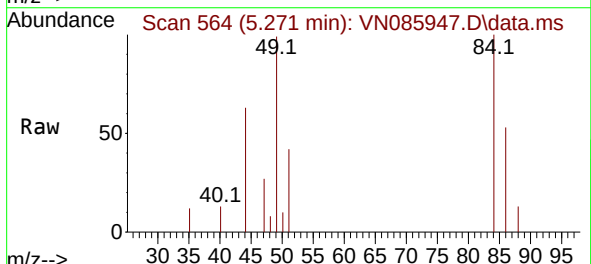
Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

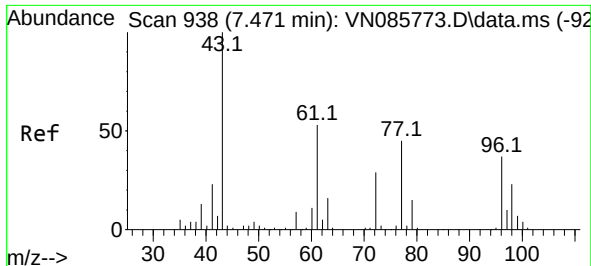
Tgt Ion: 43 Resp: 3658
Ion Ratio Lower Upper
43 100
74 15.0 22.2 33.4#



#20
Methylene Chloride
Concen: 2.724 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Tgt Ion: 84 Resp: 5536
Ion Ratio Lower Upper
84 100
49 98.7 88.4 132.6
51 41.5 26.6 40.0#
86 53.4 51.0 76.6

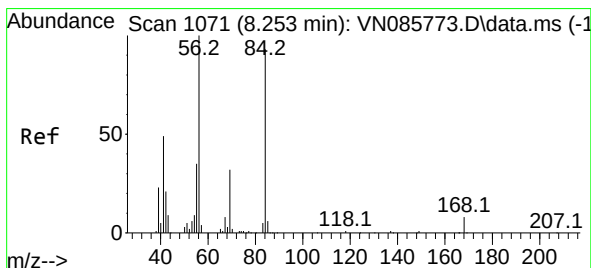
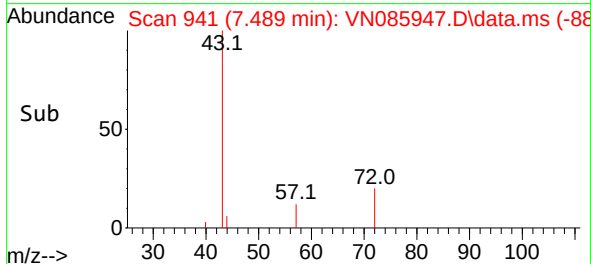
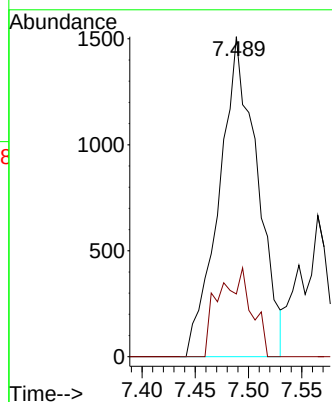
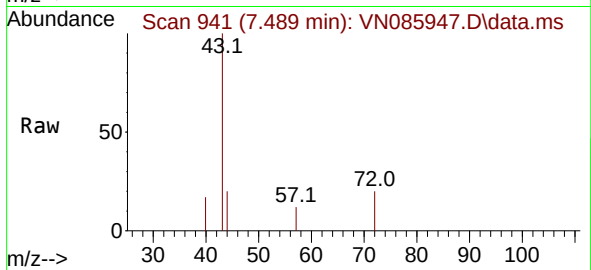




#25
2-Butanone
Concen: 4.055 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

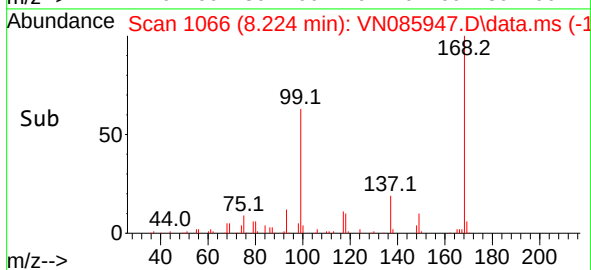
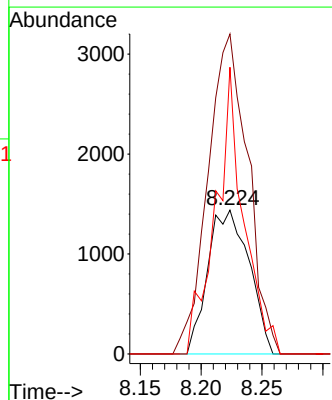
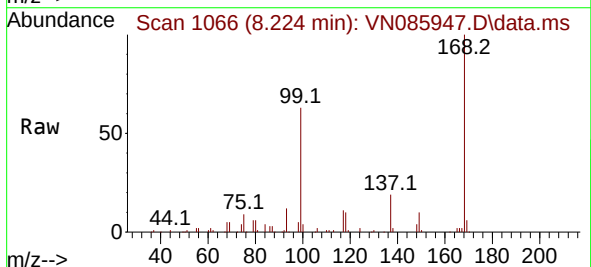
Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

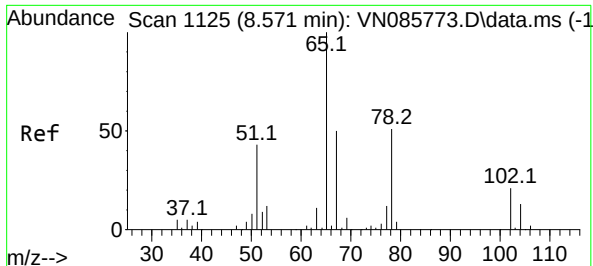
Tgt Ion: 43 Resp: 3770
Ion Ratio Lower Upper
43 100
72 19.6 23.6 35.4#



#31
Cyclohexane
Concen: 1.193 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Tgt Ion: 56 Resp: 3403
Ion Ratio Lower Upper
56 100
69 222.5 25.8 38.6#
84 199.4 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 59.277 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085947.D

Acq: 11 Mar 2025 21:29

Instrument :

MSVOA_N

ClientSampleId :

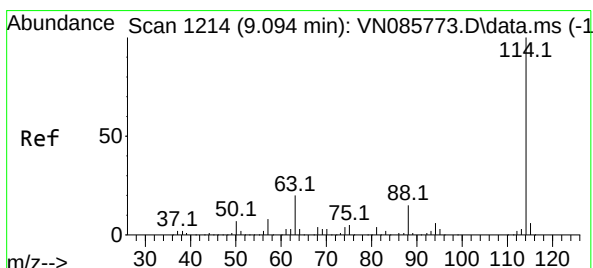
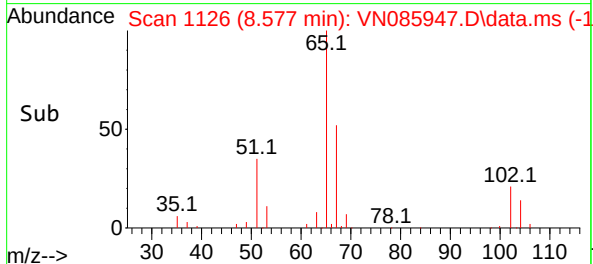
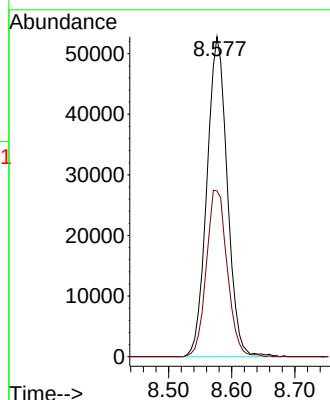
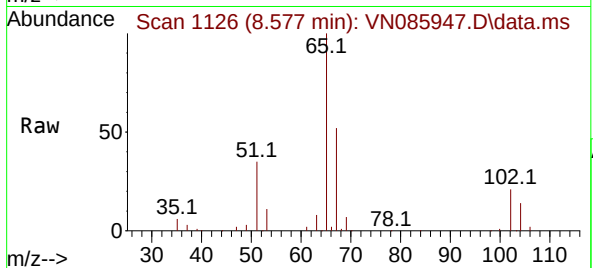
ENV-105-SB01

Tgt Ion: 65 Resp: 118390

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085947.D

Acq: 11 Mar 2025 21:29

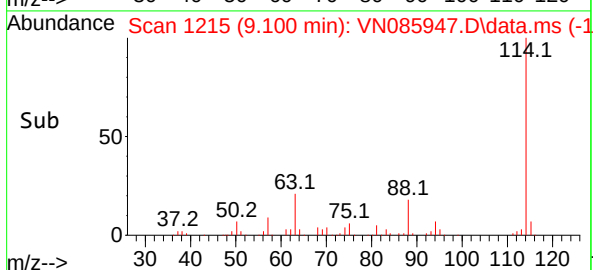
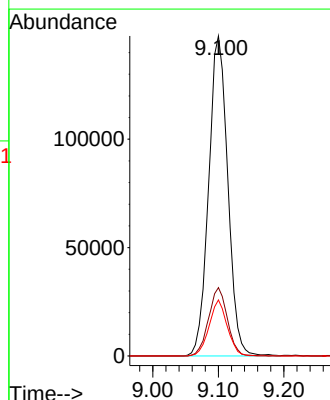
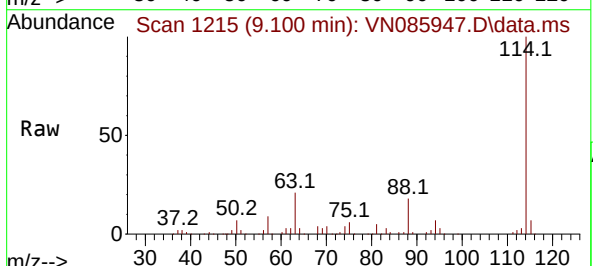
Tgt Ion: 114 Resp: 299260

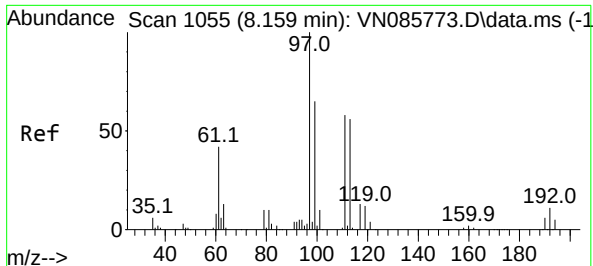
Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.2

88 17.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.965 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085947.D

Acq: 11 Mar 2025 21:29

Instrument :

MSVOA_N

ClientSampleId :

ENV-105-SB01

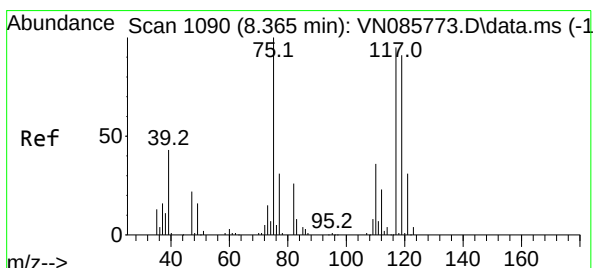
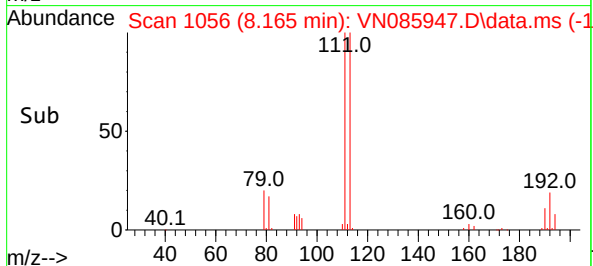
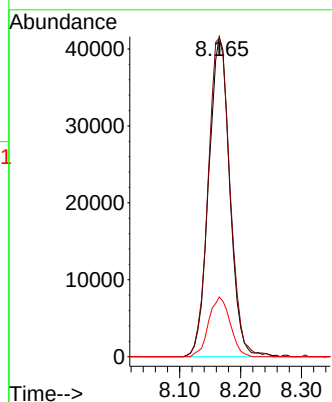
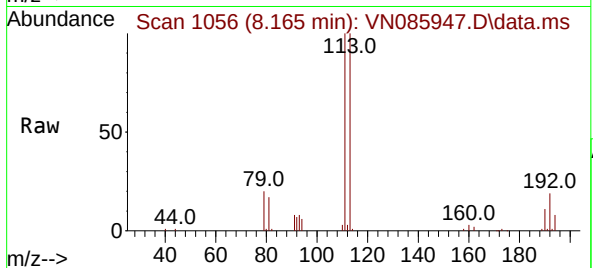
Tgt Ion:113 Resp: 99800

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 19.0 14.7 22.1



#36

1,1-Dichloropropene

Concen: 5.012 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085947.D

Acq: 11 Mar 2025 21:29

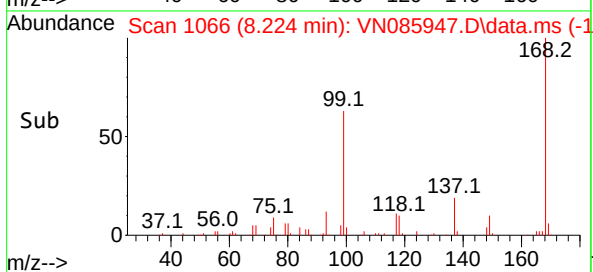
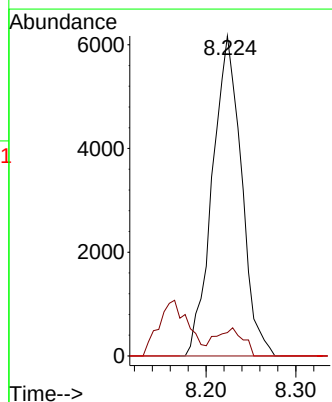
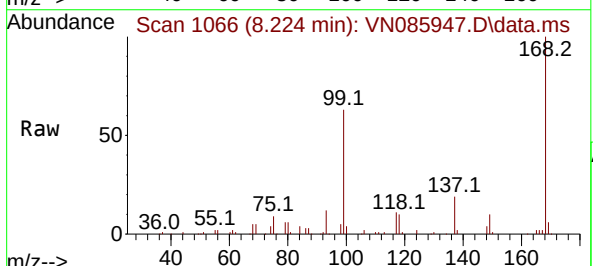
Tgt Ion: 75 Resp: 13890

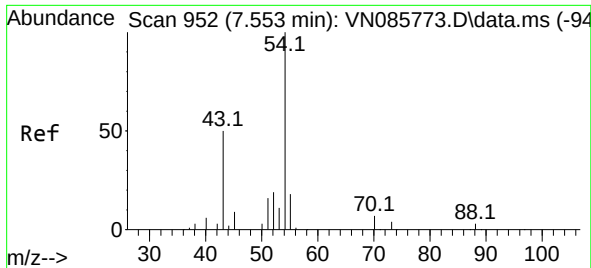
Ion Ratio Lower Upper

75 100

110 8.1 17.3 52.0#

77 0.0 24.6 37.0#

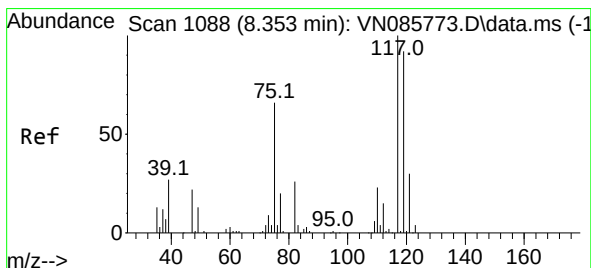
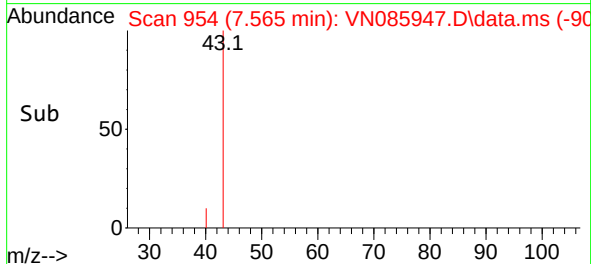
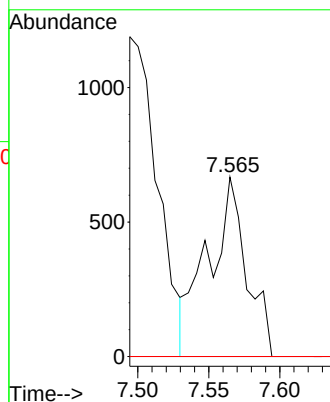
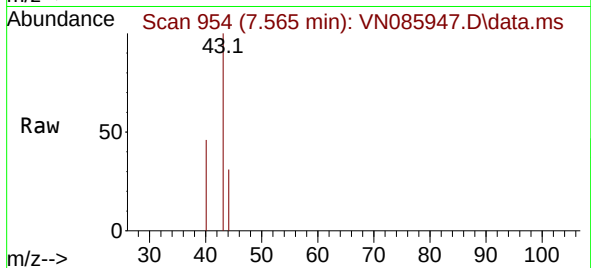




#37
Ethyl Acetate
Concen: 0.549 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

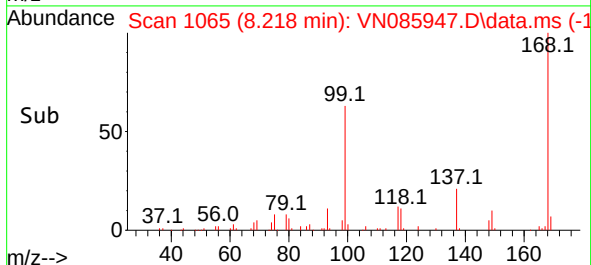
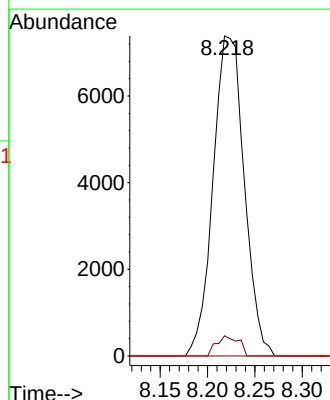
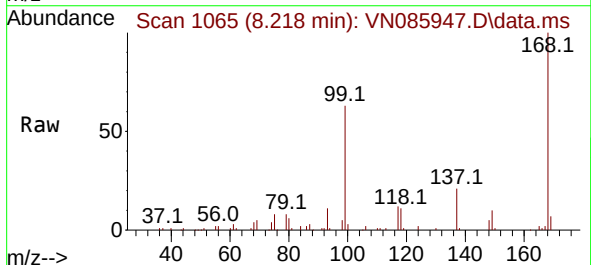
Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

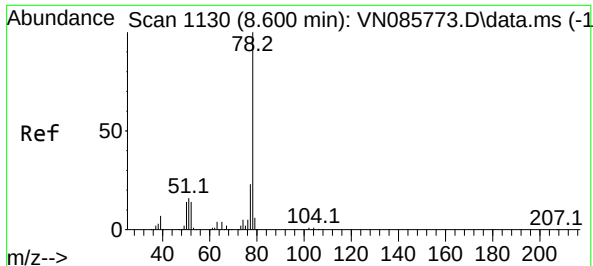
Tgt Ion: 43 Resp: 1253
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.2#
70 0.0 9.5 14.3#



#38
Carbon Tetrachloride
Concen: 5.131 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Tgt Ion: 117 Resp: 16897
Ion Ratio Lower Upper
117 100
119 6.3 73.8 110.6#
121 0.0 24.3 36.5#





#40

Benzene

Concen: 0.339 ug/l

RT: 8.606 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN085947.D

Acq: 11 Mar 2025 21:29

Instrument :

MSVOA_N

ClientSampleId :

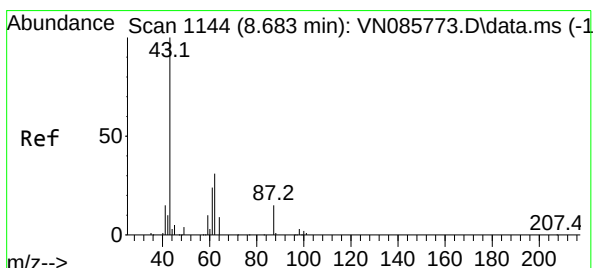
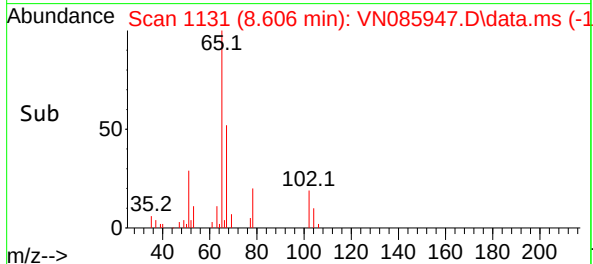
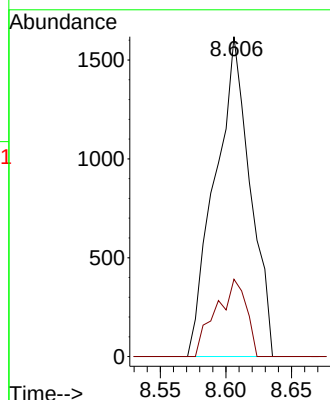
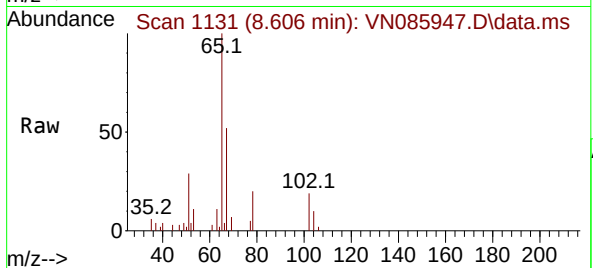
ENV-105-SB01

Tgt Ion: 78 Resp: 3010

Ion Ratio Lower Upper

78 100

77 24.2 18.3 27.5



#43

Isopropyl Acetate

Concen: 17.605 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN085947.D

Acq: 11 Mar 2025 21:29

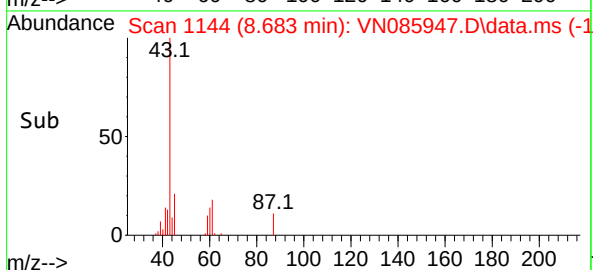
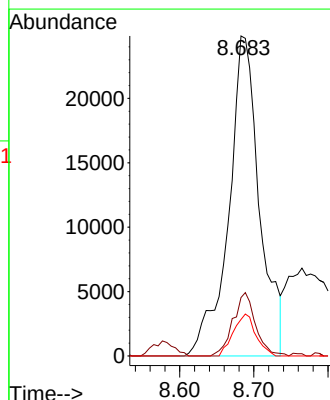
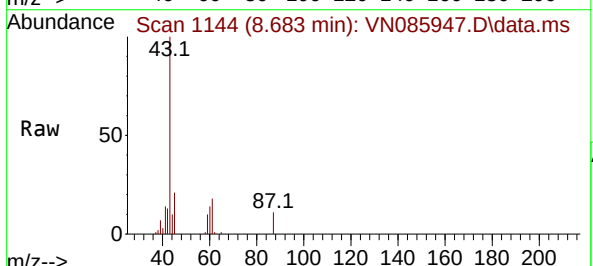
Tgt Ion: 43 Resp: 71882

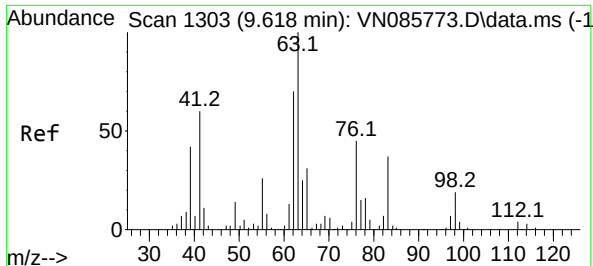
Ion Ratio Lower Upper

43 100

61 14.5 22.6 34.0#

87 9.5 11.8 17.8#





#45

1,2-Dichloropropane

Concen: 0.398 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN085947.D

Acq: 11 Mar 2025 21:29

Instrument :

MSVOA_N

ClientSampleId :

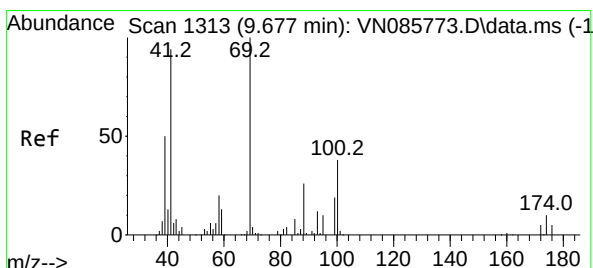
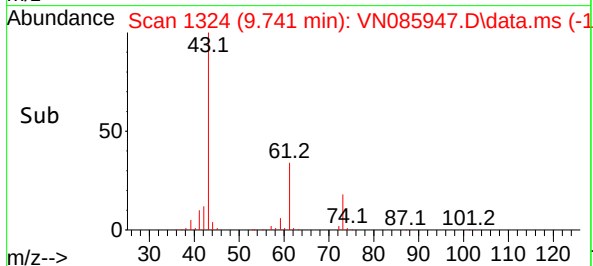
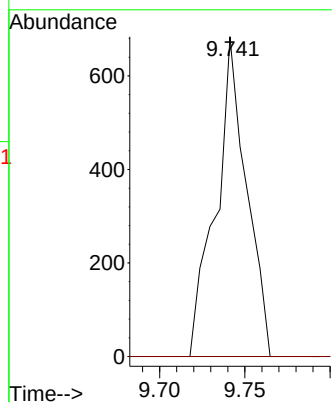
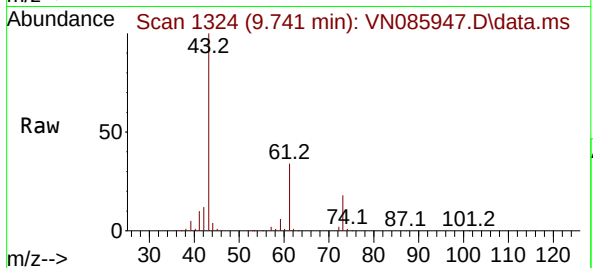
ENV-105-SB01

Tgt Ion: 63 Resp: 854

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 35.984 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN085947.D

Acq: 11 Mar 2025 21:29

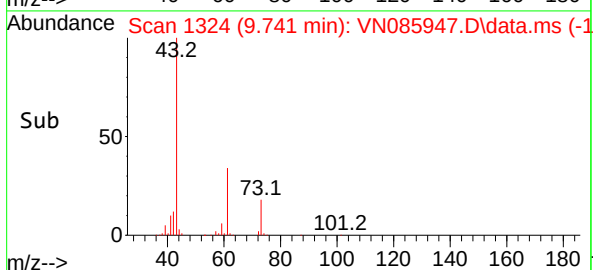
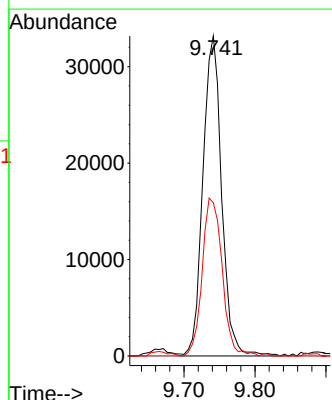
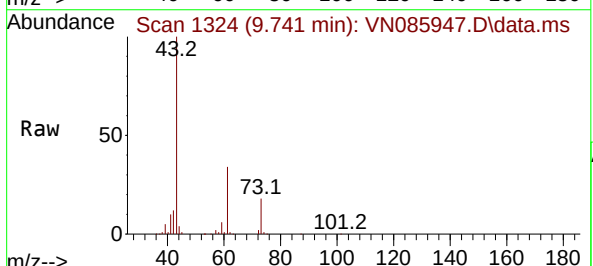
Tgt Ion: 41 Resp: 60949

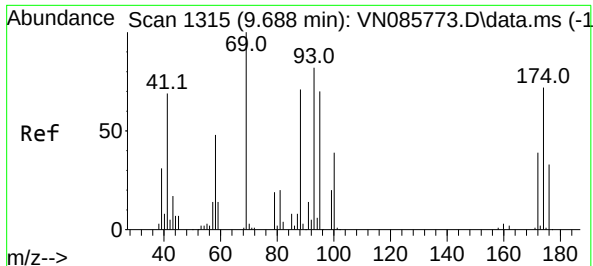
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 52.5 42.3 63.5





#49

1,4-Dioxane

Concen: 1.801 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN085947.D

Acq: 11 Mar 2025 21:29

Instrument :

MSVOA_N

ClientSampleId :

ENV-105-SB01

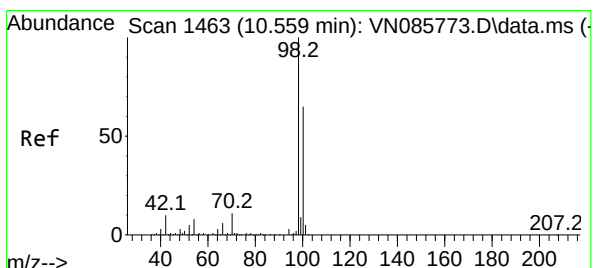
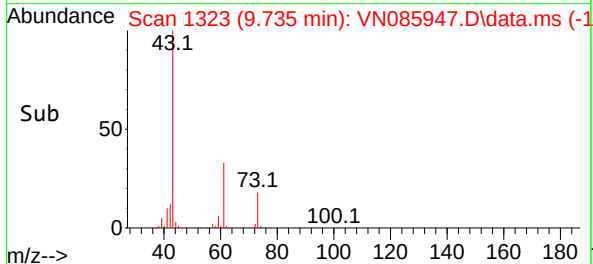
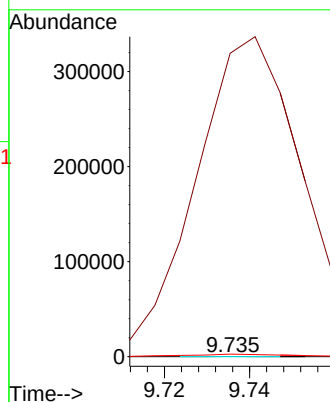
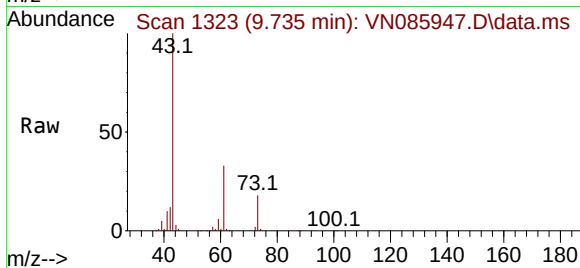
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 1039687.9 18.6 27.8#

58 8248.3 56.7 85.1#



#50

Toluene-d8

Concen: 51.733 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN085947.D

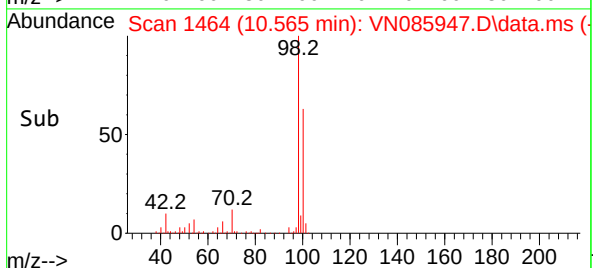
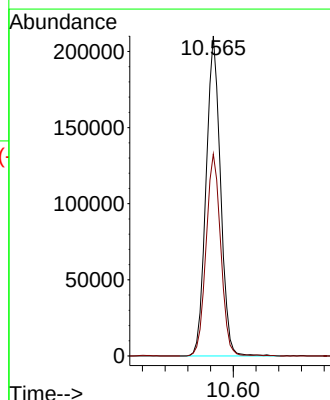
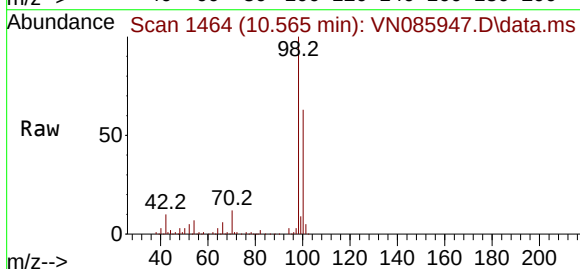
Acq: 11 Mar 2025 21:29

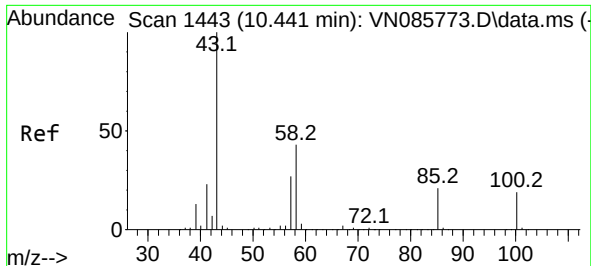
Tgt Ion: 98 Resp: 368578

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1

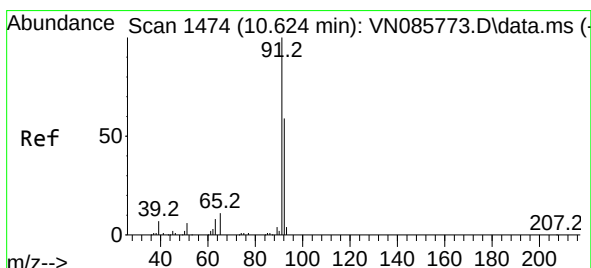
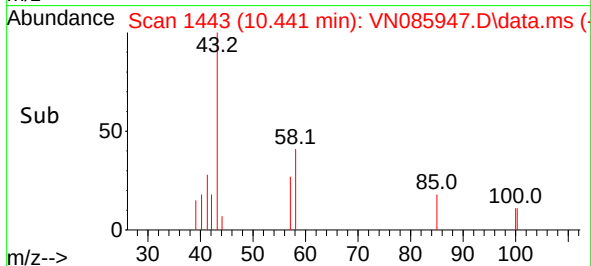
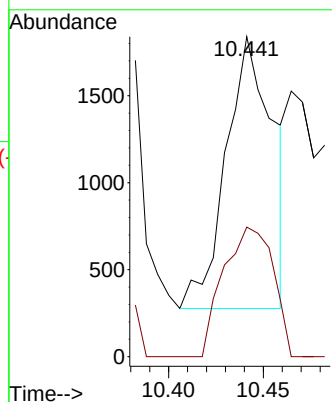
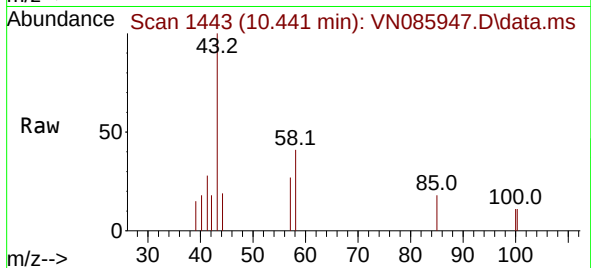




#51
4-Methyl-2-Pentanone
Concen: 1.220 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

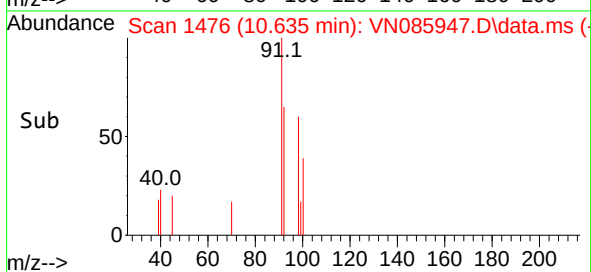
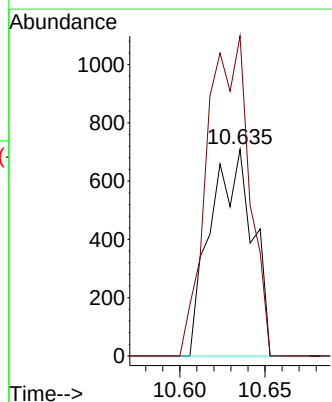
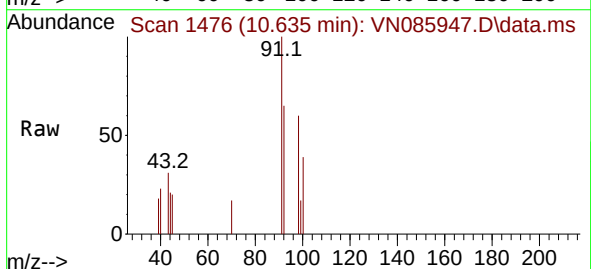
Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

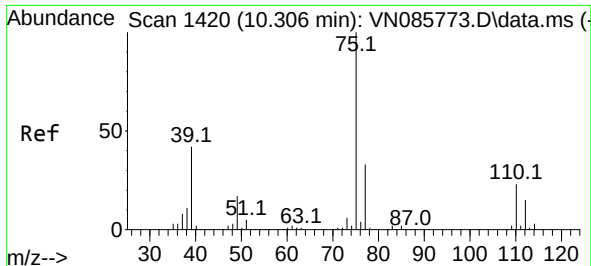
Tgt Ion: 43 Resp: 2683
Ion Ratio Lower Upper
43 100
58 50.8 34.6 52.0



#52
Toluene
Concen: 0.235 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.012 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Tgt Ion: 92 Resp: 1221
Ion Ratio Lower Upper
92 100
91 153.7 136.9 205.3

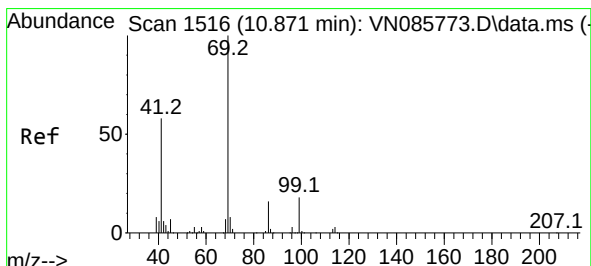
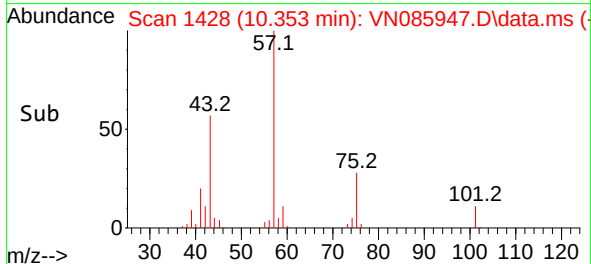
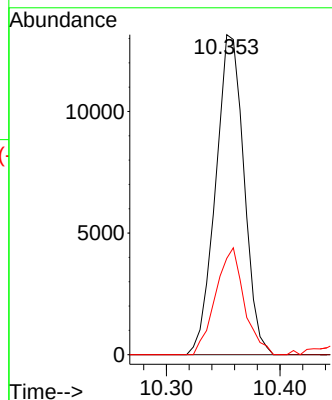
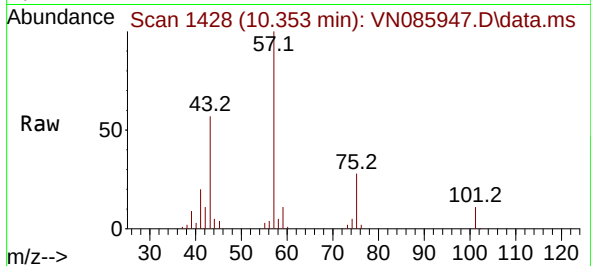




#54
 cis-1,3-Dichloropropene
 Concen: 6.954 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085947.D
 Acq: 11 Mar 2025 21:29

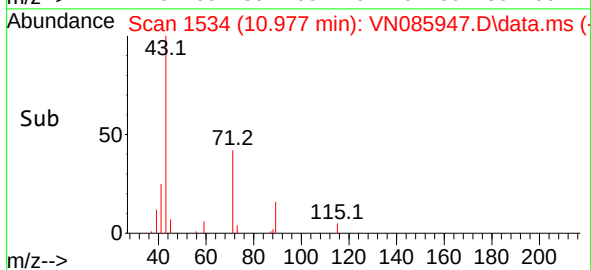
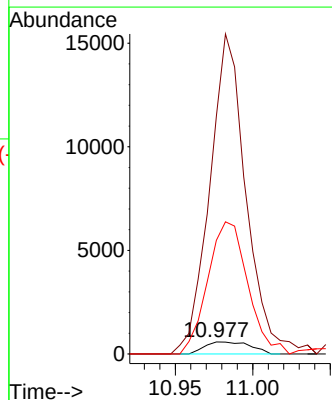
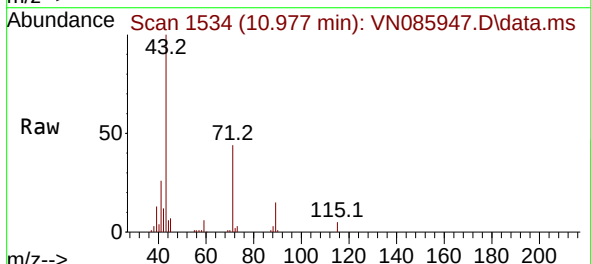
Instrument :
 MSVOA_N
 ClientSampleId :
 ENV-105-SB01

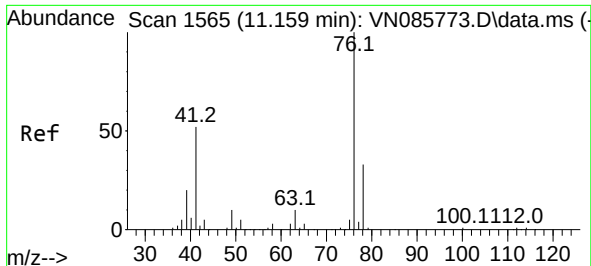
Tgt Ion: 75 Resp: 22816
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 30.1 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 0.907 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.105 min
 Lab File: VN085947.D
 Acq: 11 Mar 2025 21:29

Tgt Ion: 69 Resp: 1192
 Ion Ratio Lower Upper
 69 100
 41 2117.3 46.0 69.0#
 39 962.8 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 0.800 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085947.D

Acq: 11 Mar 2025 21:29

Instrument :

MSVOA_N

ClientSampleId :

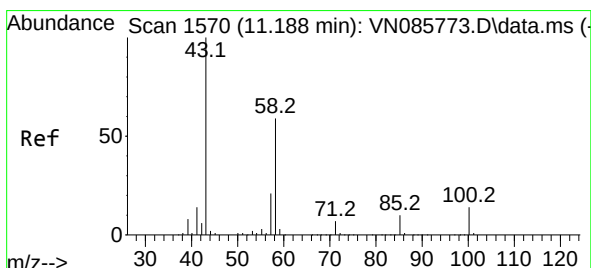
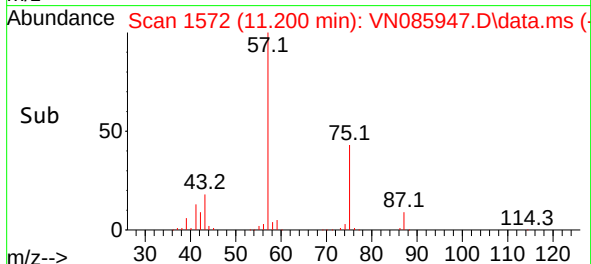
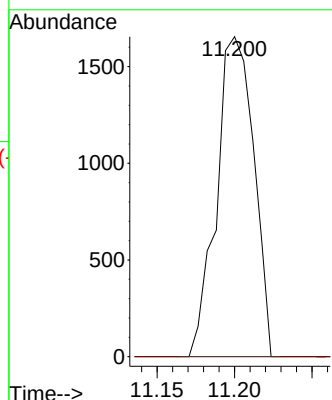
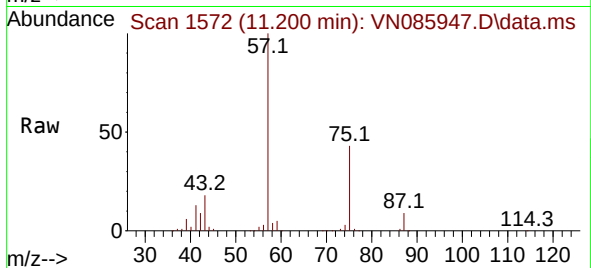
ENV-105-SB01

Tgt Ion: 76 Resp: 2764

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 23.190 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085947.D

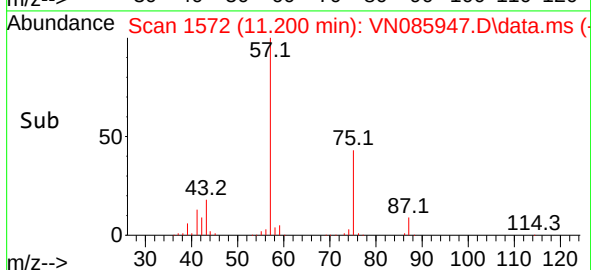
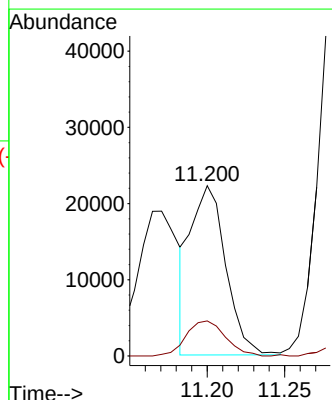
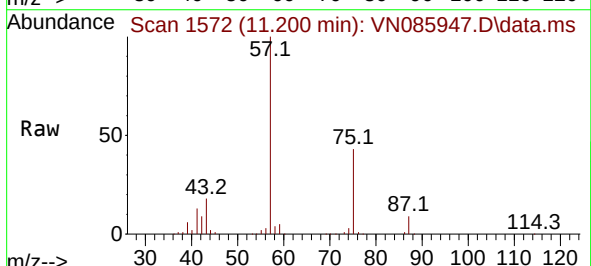
Acq: 11 Mar 2025 21:29

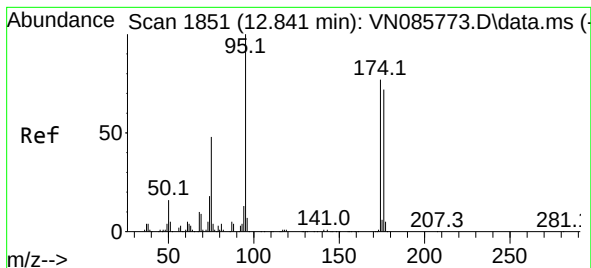
Tgt Ion: 43 Resp: 35080

Ion Ratio Lower Upper

43 100

58 23.1 29.8 89.5#

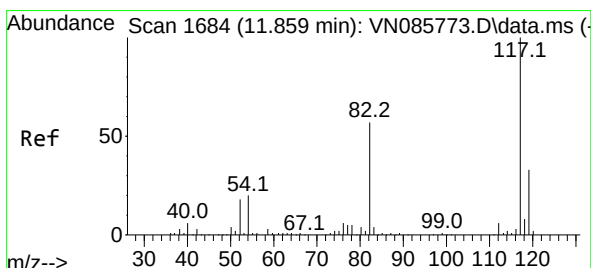
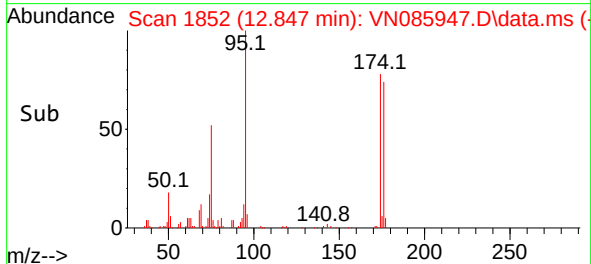
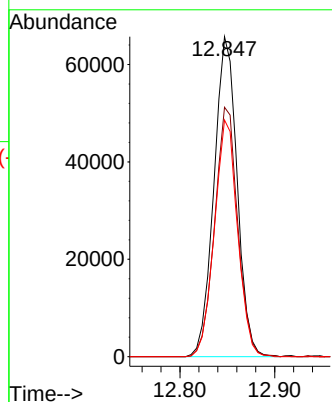
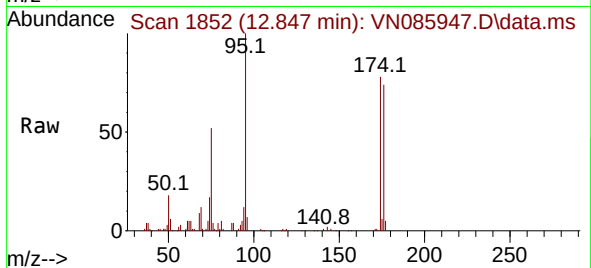




#62
4-Bromofluorobenzene
Concen: 47.509 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

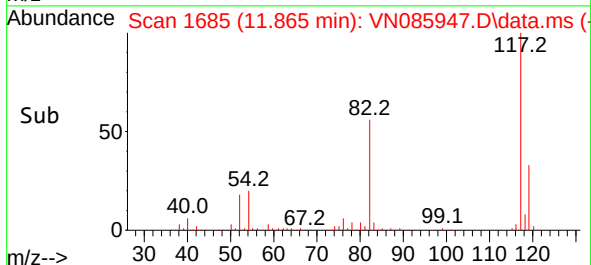
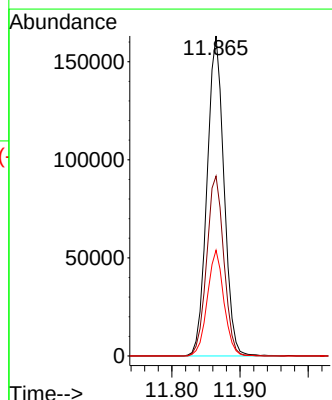
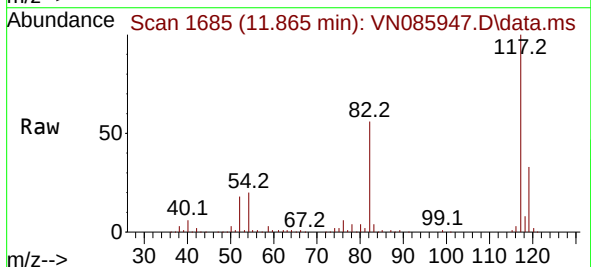
Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

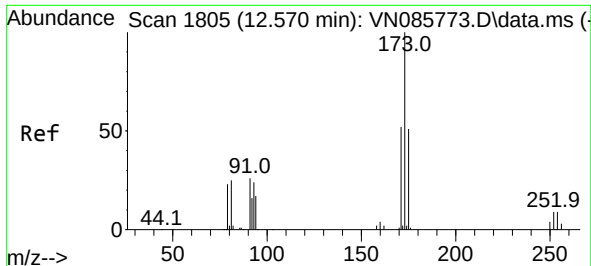
Tgt Ion: 95 Resp: 111523
Ion Ratio Lower Upper
95 100
174 78.0 0.0 152.4
176 73.9 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Tgt Ion: 117 Resp: 282311
Ion Ratio Lower Upper
117 100
82 56.2 45.7 68.5
119 33.1 26.2 39.2

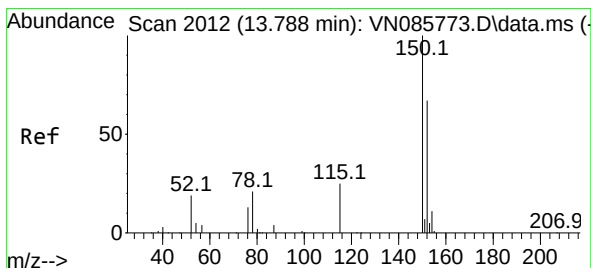
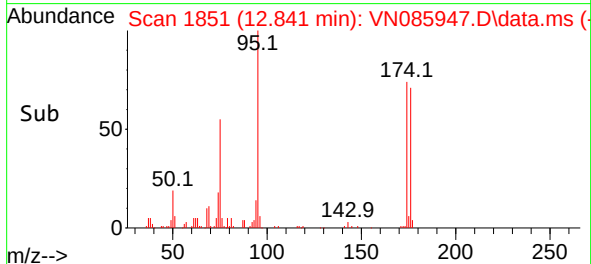
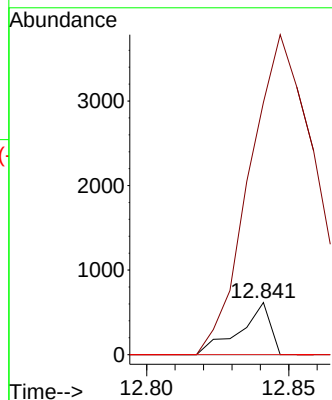
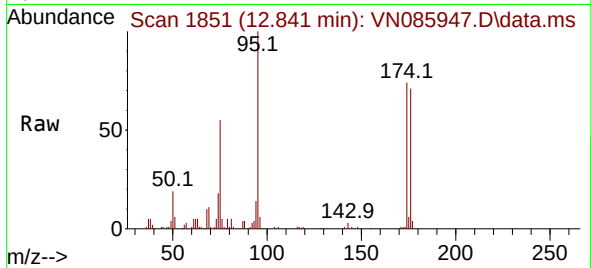




#71
Bromoform
Concen: 0.267 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

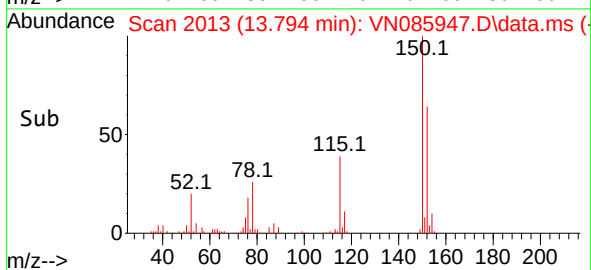
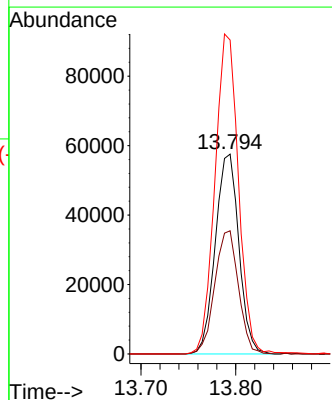
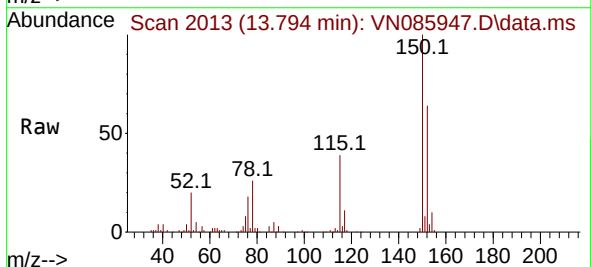
Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

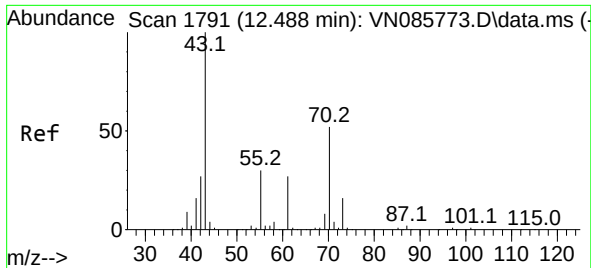
Tgt Ion:173 Resp: 462
Ion Ratio Lower Upper
173 100
175 0.0 25.1 75.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Tgt Ion:152 Resp: 99543
Ion Ratio Lower Upper
152 100
115 62.0 30.4 91.3
150 159.8 0.0 345.4

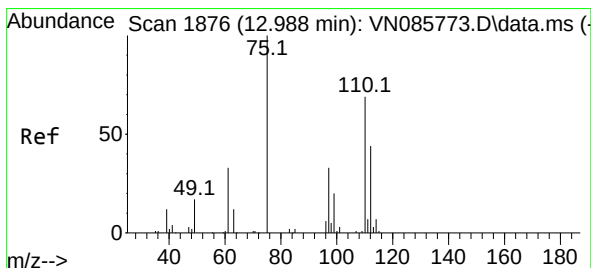
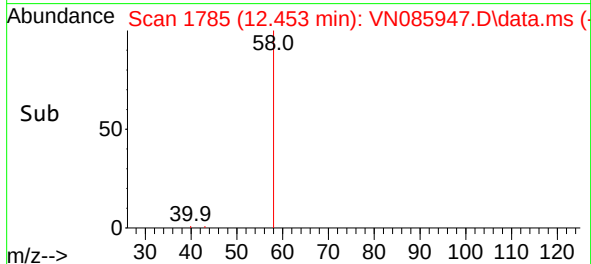
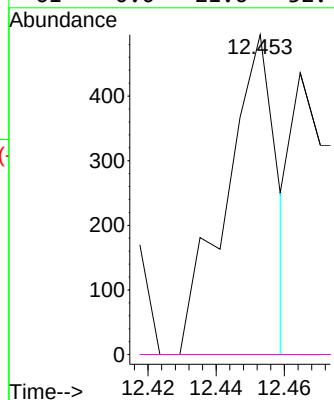
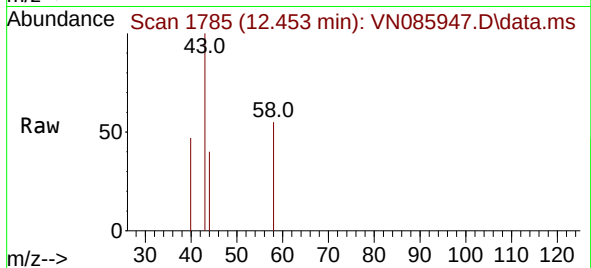




#74
N-amy1 acetate
Concen: 0.214 ug/l
RT: 12.453 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

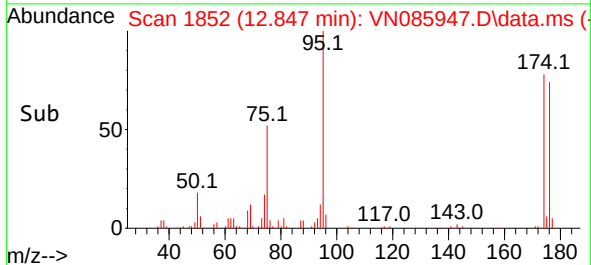
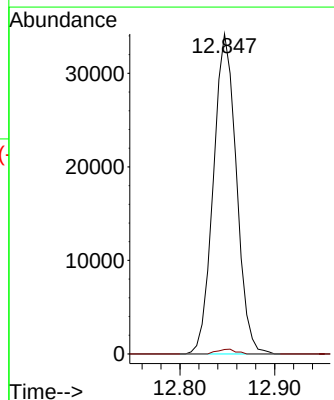
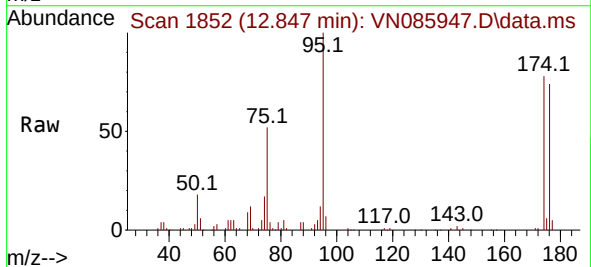
Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

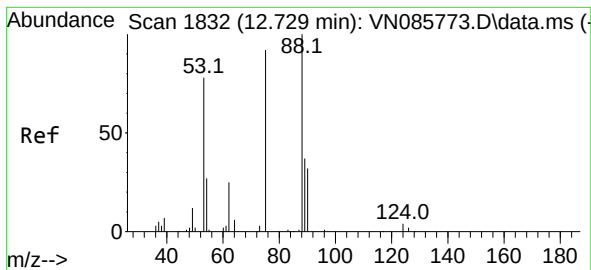
Tgt Ion: 43	Resp: 514
Ion Ratio	Lower Upper
43 100	
70 0.0	41.0 61.4#
55 0.0	24.6 36.8#
61 0.0	21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 26.114 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Tgt Ion: 75	Resp: 57743
Ion Ratio	Lower Upper
75 100	
77 1.2	100.0 300.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.194 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN085947.D
 Acq: 11 Mar 2025 21:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ENV-105-SB01

Tgt Ion: 75 Resp: 57743
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.9 52.3#

