

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085949.D
 Acq On : 11 Mar 2025 22:17
 Operator : JC\MD
 Sample : Q1514-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ENV-103-SB01

Quant Time: Mar 12 01:32:26 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)

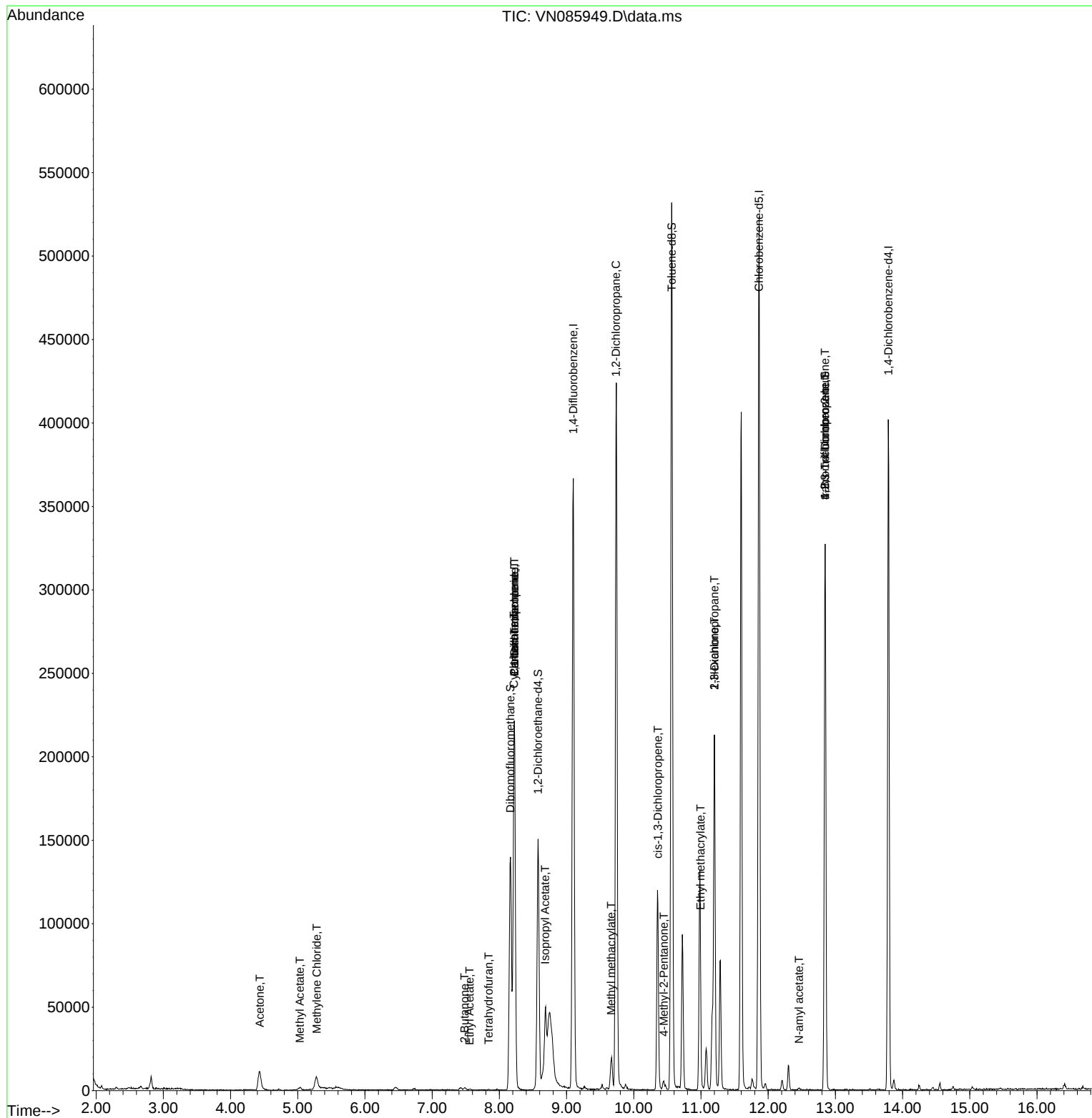
Internal Standards						
1) Pentafluorobenzene	8.224	168	159259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	315656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	300142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120192	58.212	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	116.420%		
35) Dibromofluoromethane	8.165	113	101409	49.097	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.200%		
50) Toluene-d8	10.565	98	374101	49.781	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.560%		
62) 4-Bromofluorobenzene	12.847	95	117023	47.263	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.520%		
Target Compounds					Qvalue	
16) Acetone	4.436	43	22305	34.141	ug/l	97
18) Methyl Acetate	5.030	43	3473	1.546	ug/l #	58
20) Methylene Chloride	5.283	84	6134	2.920	ug/l	88
25) 2-Butanone	7.483	43	2348	2.443	ug/l	98
29) Tetrahydrofuran	7.841	42	281	0.453	ug/l #	44
31) Cyclohexane	8.218	56	3289	1.115	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14280	4.885	ug/l #	49
37) Ethyl Acetate	7.559	43	1059	0.440	ug/l #	66
38) Carbon Tetrachloride	8.224	117	17481	5.033	ug/l #	19
43) Isopropyl Acetate	8.683	43	61567	14.192	ug/l #	78
45) 1,2-Dichloropropane	9.735	63	560	0.248	ug/l #	43
48) Methyl methacrylate	9.665	41	1208	0.676	ug/l #	10
51) 4-Methyl-2-Pentanone	10.447	43	5885	2.537	ug/l #	75
54) cis-1,3-Dichloropropene	10.359	75	21377	6.177	ug/l #	66
56) Ethyl methacrylate	10.994	69	1241	0.901	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2136	0.586	ug/l #	42
59) 2-Hexanone	11.200	43	23180	14.527	ug/l #	58
74) N-amyl acetate	12.459	43	934	0.349	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	60661	24.647	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60661	71.913	ug/l #	13

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

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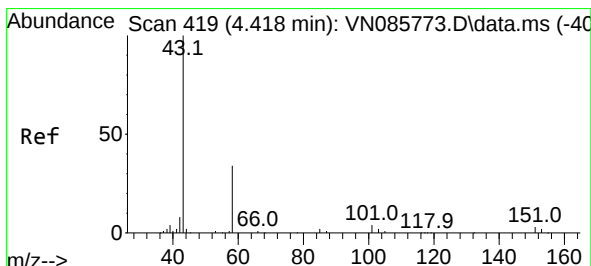
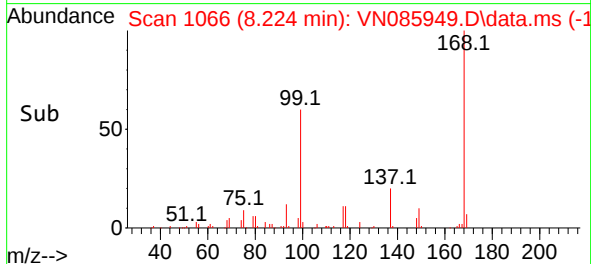
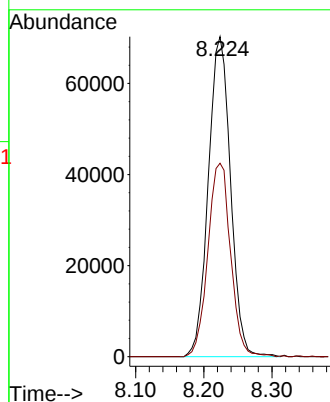
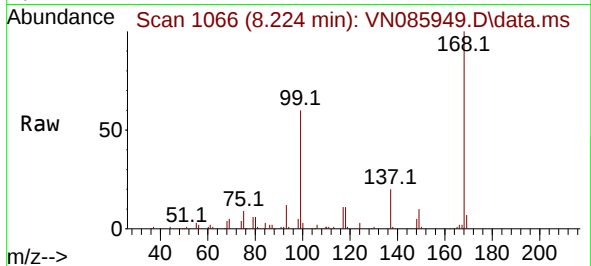




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

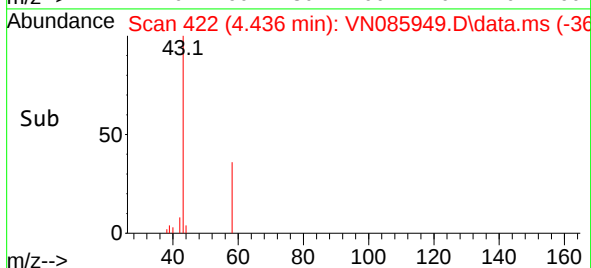
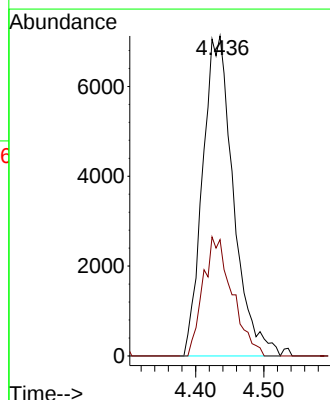
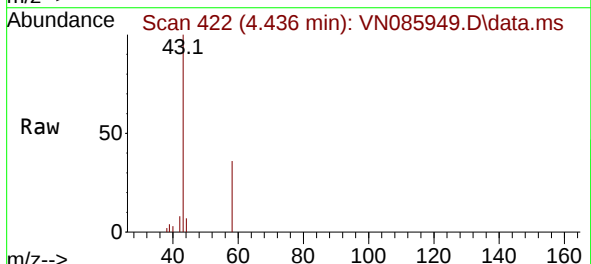
Instrument :
MSVOA_N
ClientSampleId :
ENV-103-SB01

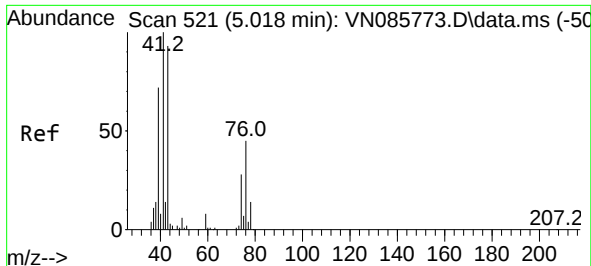
Tgt Ion:168 Resp: 159259
Ion Ratio Lower Upper
168 100
99 60.5 47.9 71.9



#16
Acetone
Concen: 34.141 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Tgt Ion: 43 Resp: 22305
Ion Ratio Lower Upper
43 100
58 36.3 27.5 41.3

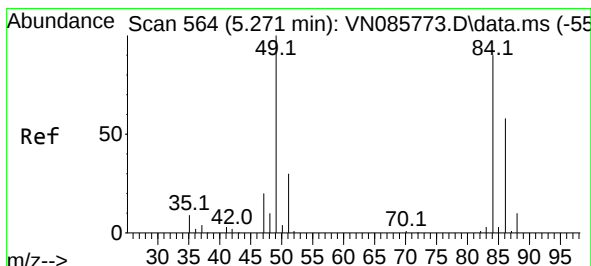
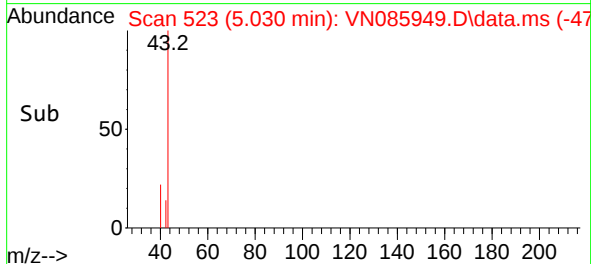
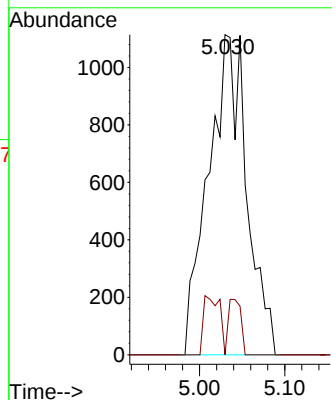
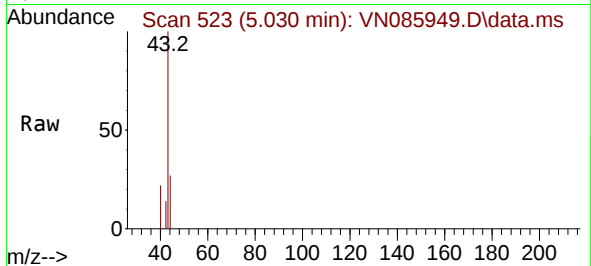




#18
Methyl Acetate
Concen: 1.546 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

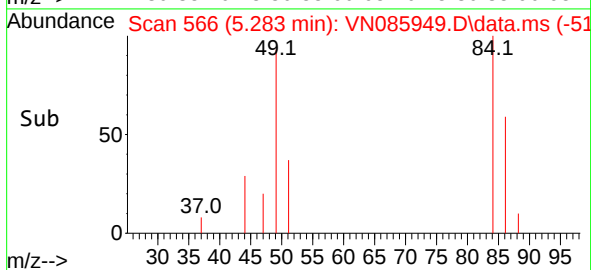
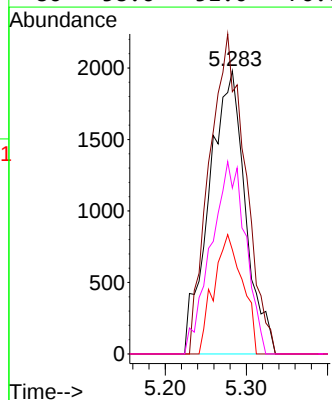
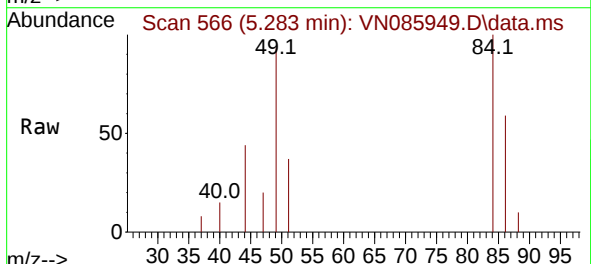
Instrument :
MSVOA_N
ClientSampleId :
ENV-103-SB01

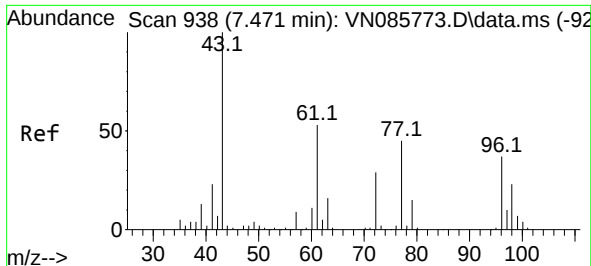
Tgt Ion: 43 Resp: 3473
Ion Ratio Lower Upper
43 100
74 5.6 22.2 33.4#



#20
Methylene Chloride
Concen: 2.920 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Tgt Ion: 84 Resp: 6134
Ion Ratio Lower Upper
84 100
49 92.6 88.4 132.6
51 36.8 26.6 40.0
86 58.6 51.0 76.6





#25

2-Butanone

Concen: 2.443 ug/l

RT: 7.483 min Scan# 94

Delta R.T. 0.012 min

Lab File: VN085949.D

Acq: 11 Mar 2025 22:17

Instrument :

MSVOA_N

ClientSampleId :

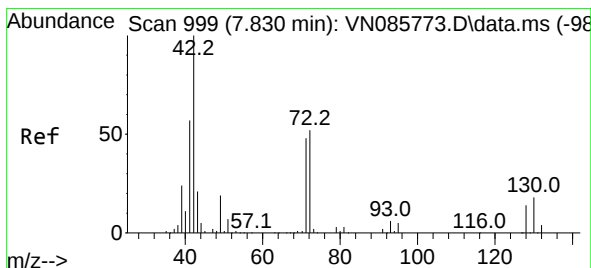
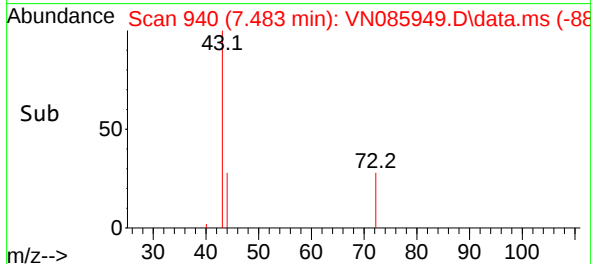
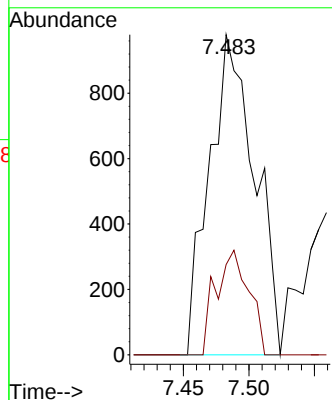
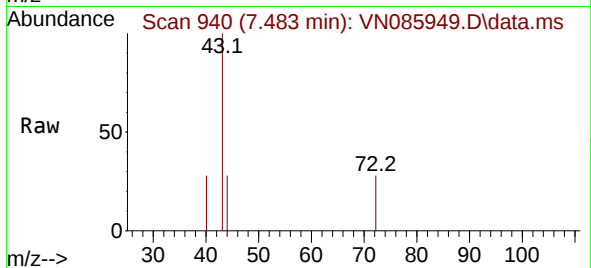
ENV-103-SB01

Tgt Ion: 43 Resp: 2348

Ion Ratio Lower Upper

43 100

72 28.2 23.6 35.4



#29

Tetrahydrofuran

Concen: 0.453 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.012 min

Lab File: VN085949.D

Acq: 11 Mar 2025 22:17

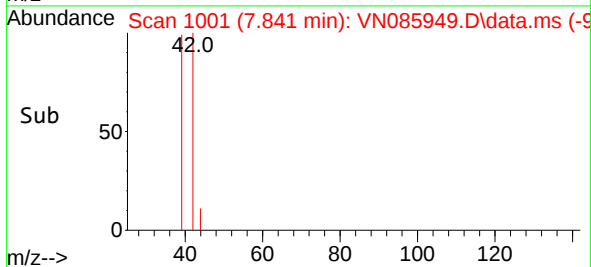
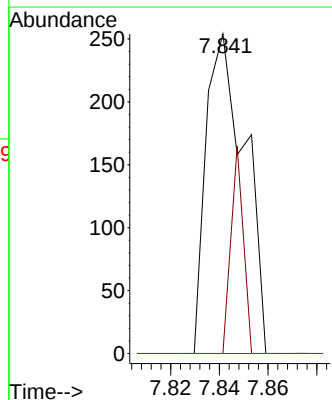
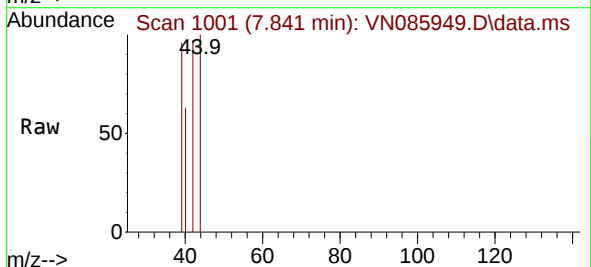
Tgt Ion: 42 Resp: 281

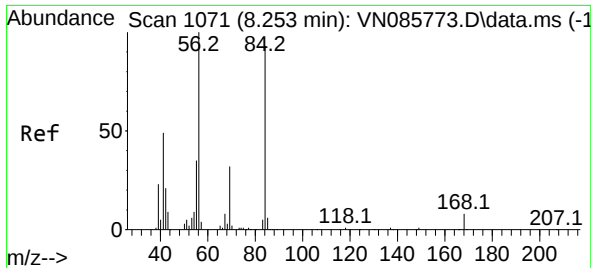
Ion Ratio Lower Upper

42 100

72 20.6 40.0 60.0#

71 0.0 37.0 55.4#

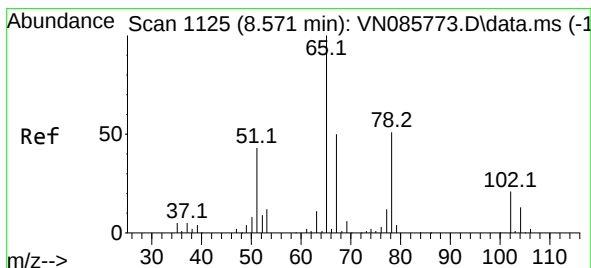
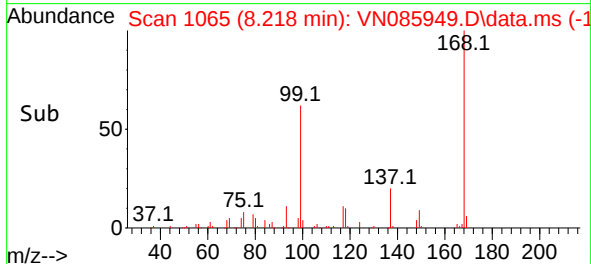
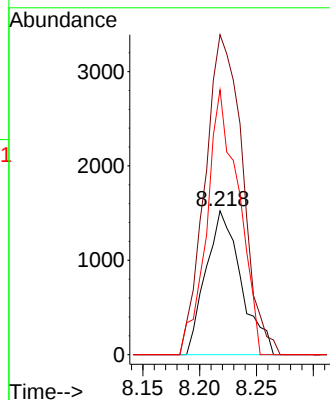
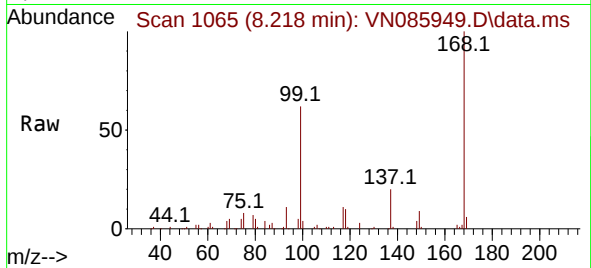




#31
Cyclohexane
Concen: 1.115 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

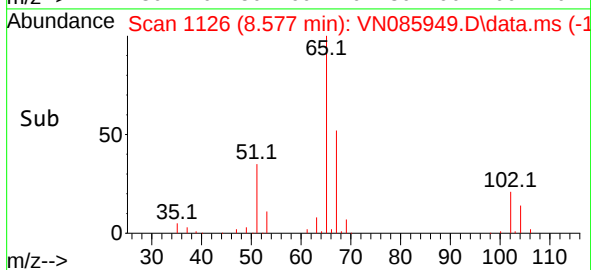
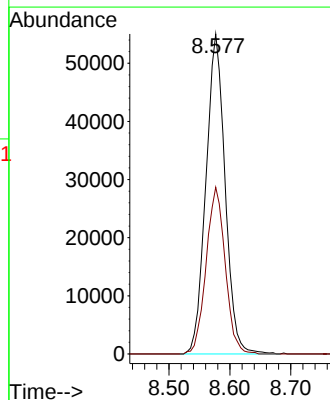
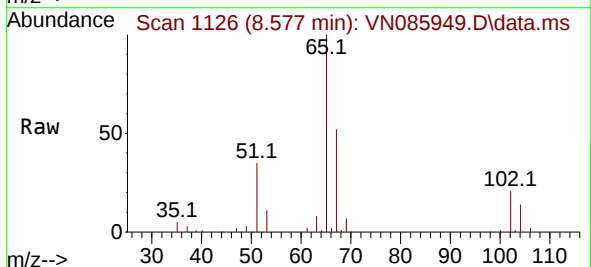
Instrument :
MSVOA_N
ClientSampleId :
ENV-103-SB01

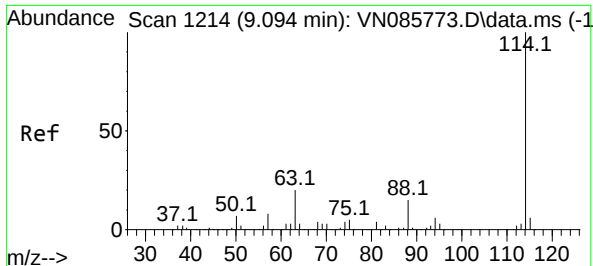
Tgt Ion: 56 Resp: 3289
Ion Ratio Lower Upper
56 100
69 222.5 25.8 38.6#
84 184.1 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 58.212 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Tgt Ion: 65 Resp: 120192
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085949.D

Acq: 11 Mar 2025 22:17

Instrument :

MSVOA_N

ClientSampleId :

ENV-103-SB01

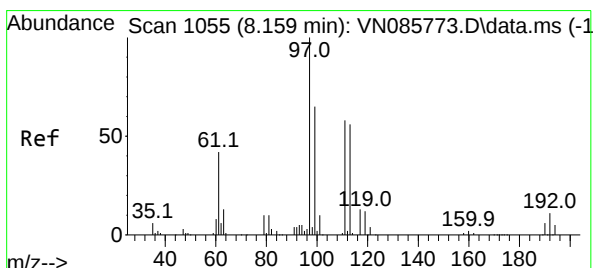
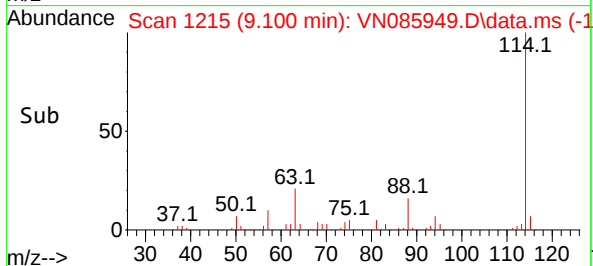
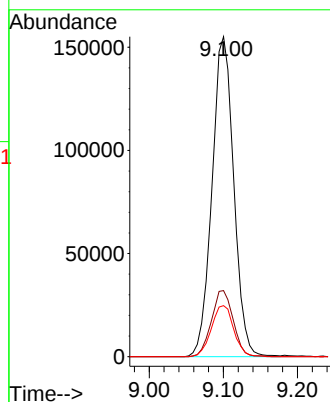
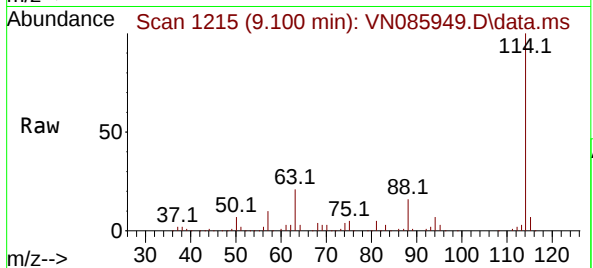
Tgt Ion:114 Resp: 315656

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.2

88 16.0 0.0 30.0



#35

Dibromofluoromethane

Concen: 49.097 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085949.D

Acq: 11 Mar 2025 22:17

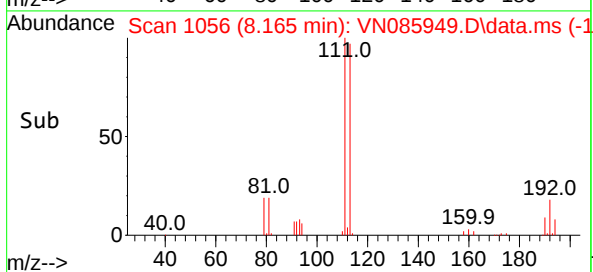
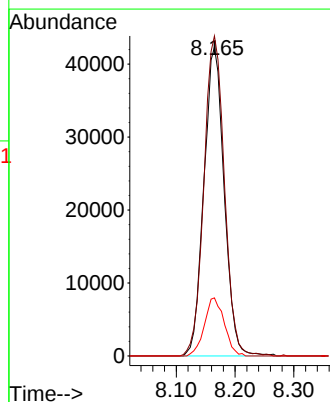
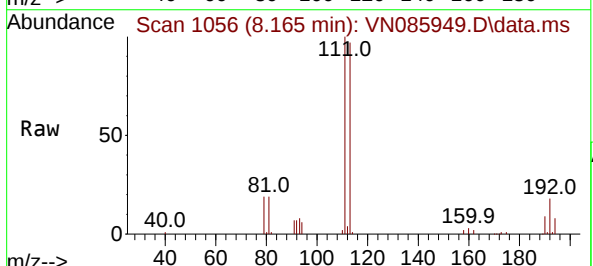
Tgt Ion:113 Resp: 101409

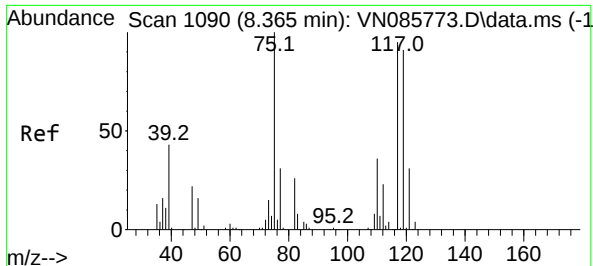
Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.4

192 18.4 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.885 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085949.D

Acq: 11 Mar 2025 22:17

Instrument :

MSVOA_N

ClientSampleId :

ENV-103-SB01

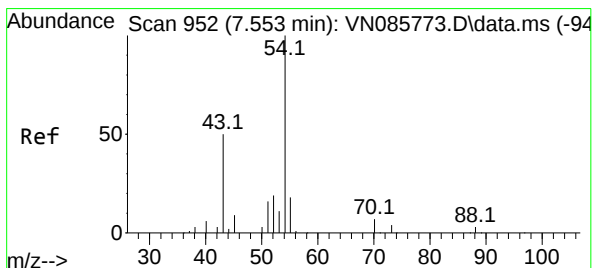
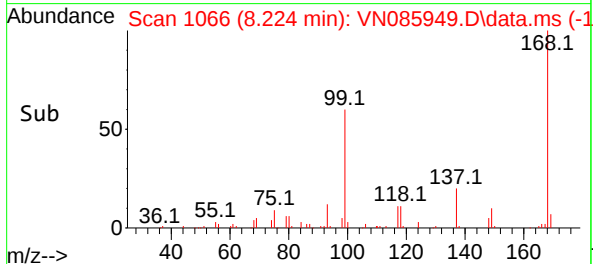
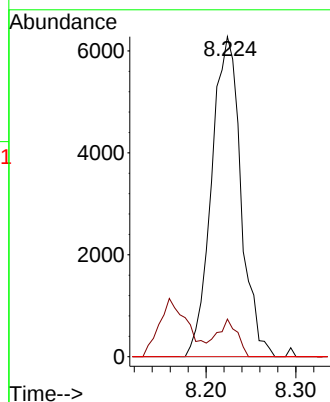
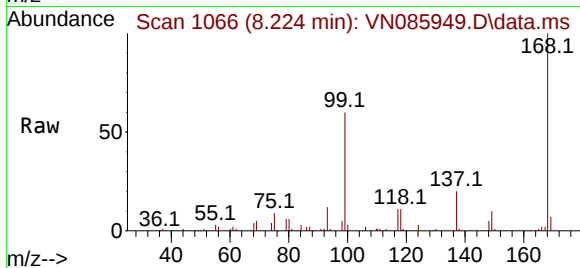
Tgt Ion: 75 Resp: 14280

Ion Ratio Lower Upper

75 100

110 8.1 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.440 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085949.D

Acq: 11 Mar 2025 22:17

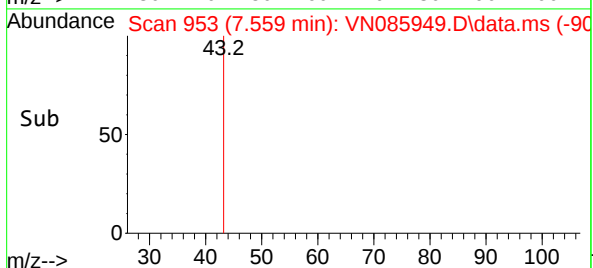
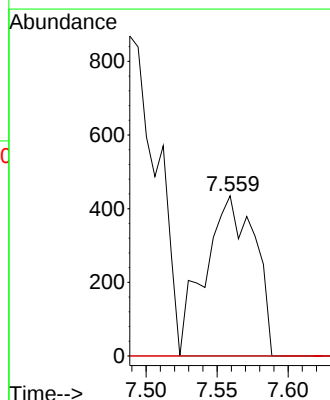
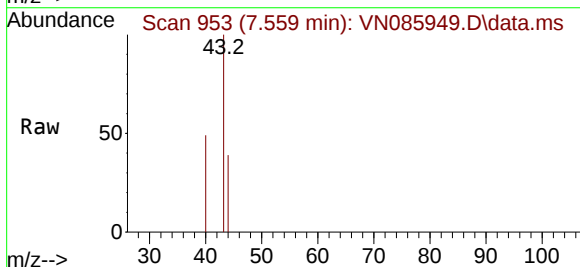
Tgt Ion: 43 Resp: 1059

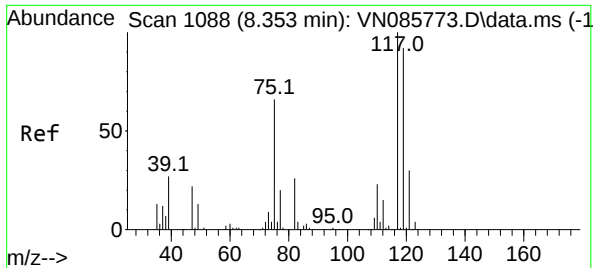
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

70 0.0 9.5 14.3#

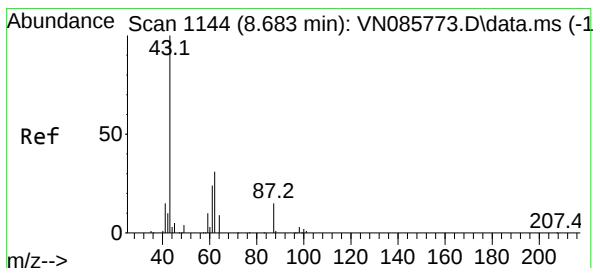
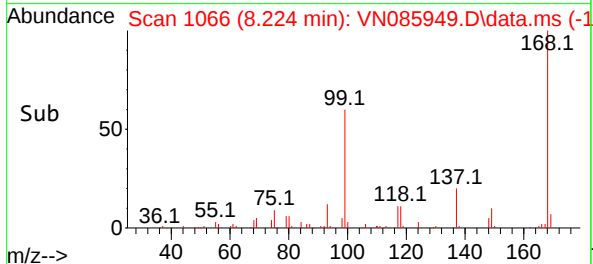
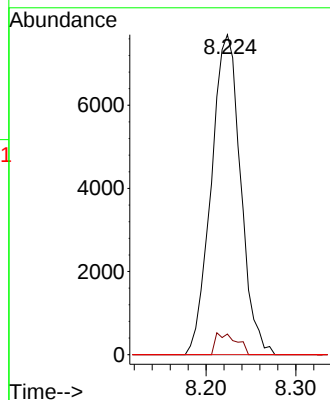
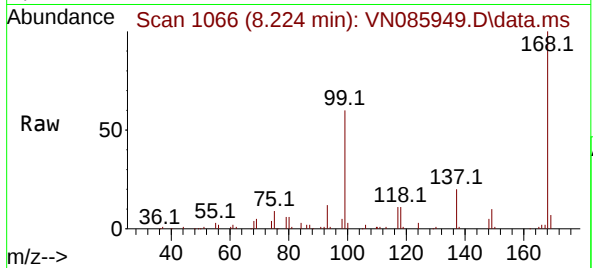




#38
Carbon Tetrachloride
Concen: 5.033 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.129 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

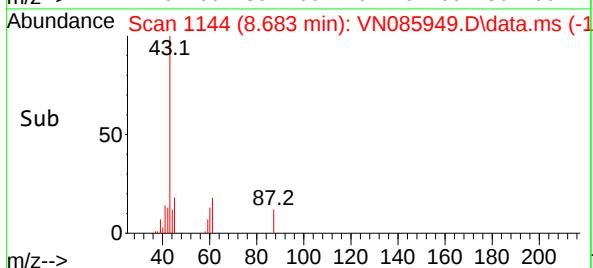
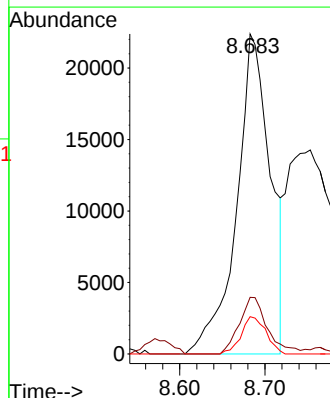
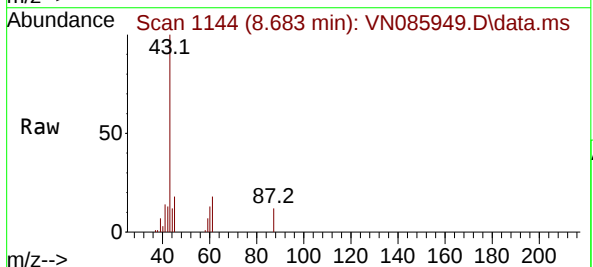
Instrument :
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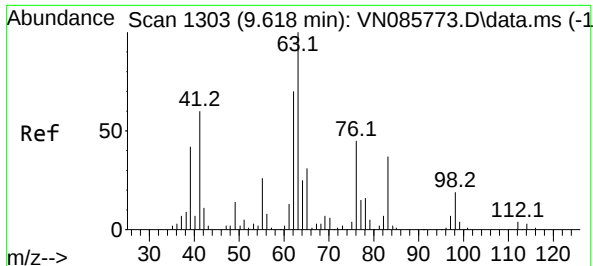
Tgt Ion:117 Resp: 17481
Ion Ratio Lower Upper
117 100
119 6.4 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 14.192 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Tgt Ion: 43 Resp: 61567
Ion Ratio Lower Upper
43 100
61 14.7 22.6 34.0#
87 8.6 11.8 17.8#





#45

1,2-Dichloropropane

Concen: 0.248 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085949.D

Acq: 11 Mar 2025 22:17

Instrument :

MSVOA_N

ClientSampleId :

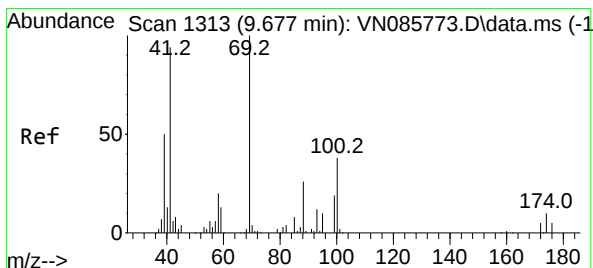
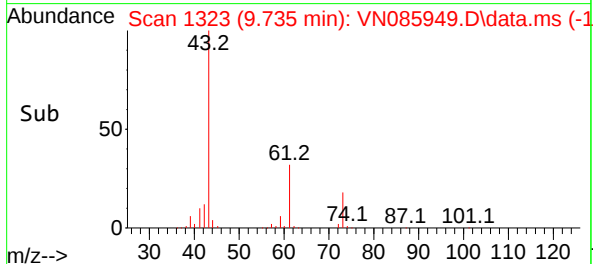
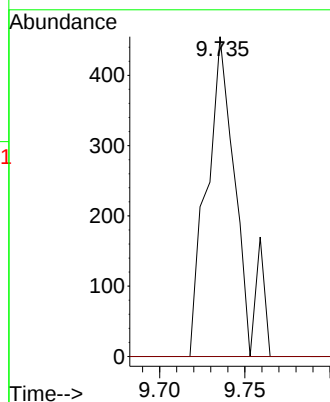
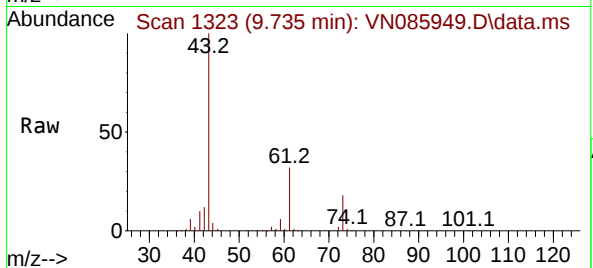
ENV-103-SB01

Tgt Ion: 63 Resp: 560

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 0.676 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN085949.D

Acq: 11 Mar 2025 22:17

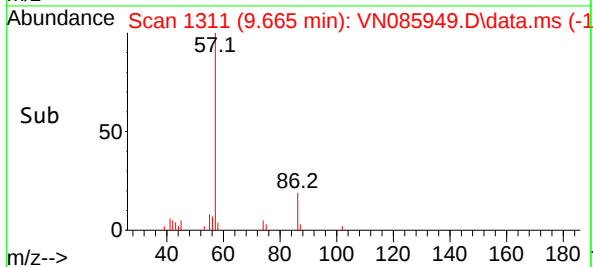
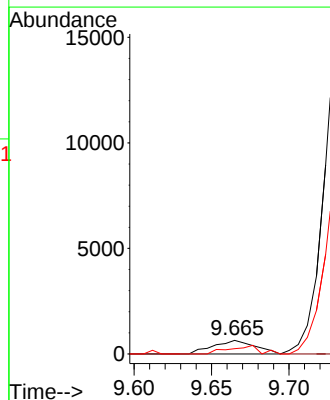
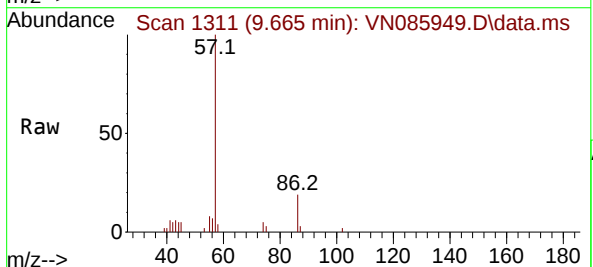
Tgt Ion: 41 Resp: 1208

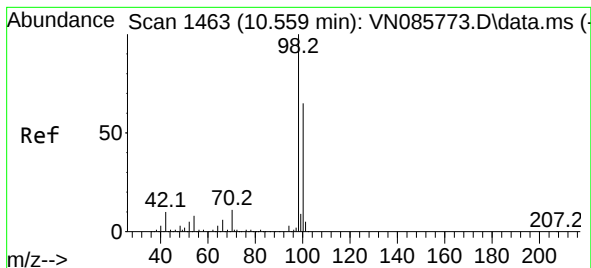
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 0.0 42.3 63.5#

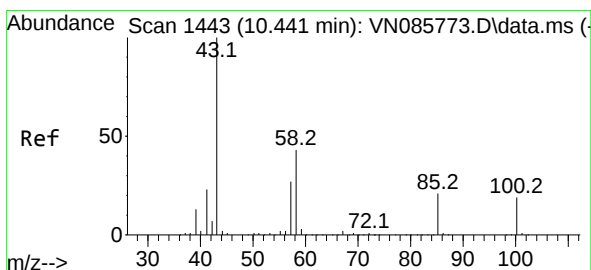
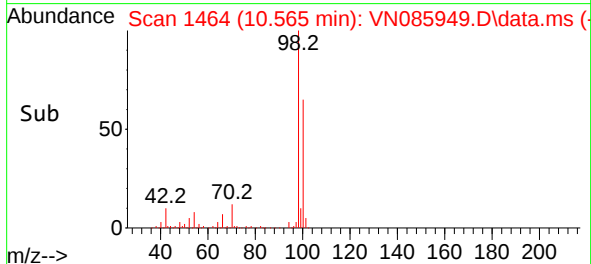
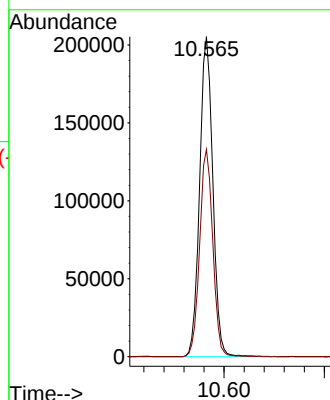
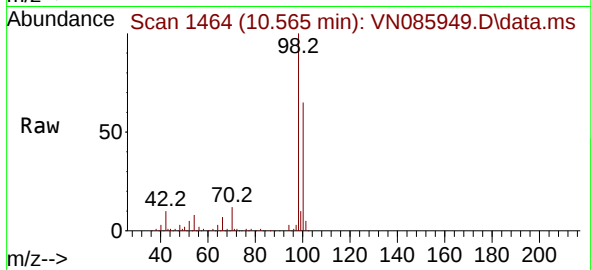




#50
Toluene-d8
Concen: 49.781 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

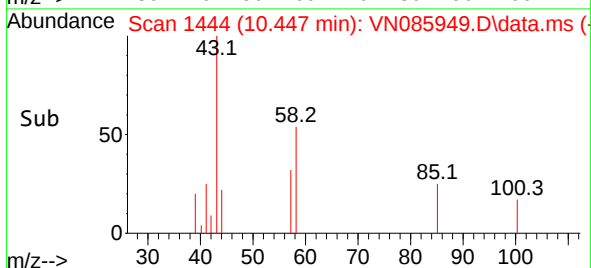
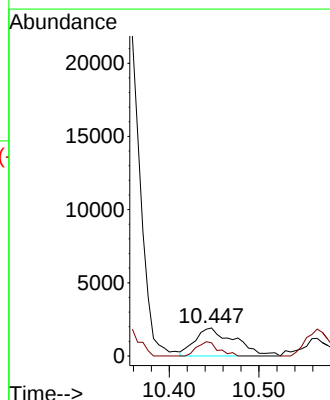
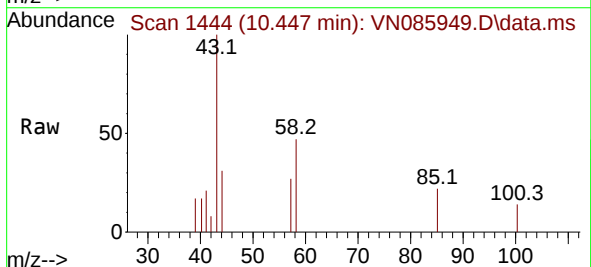
Instrument :
MSVOA_N
ClientSampleId :
ENV-103-SB01

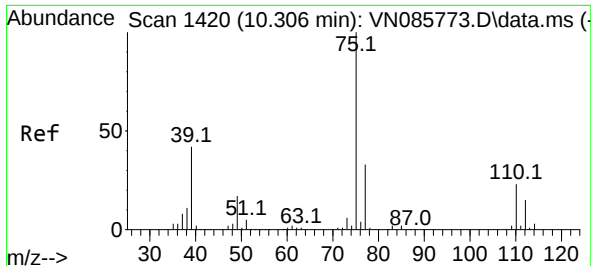
Tgt Ion: 98 Resp: 374101
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 2.537 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Tgt Ion: 43 Resp: 5885
Ion Ratio Lower Upper
43 100
58 27.2 34.6 52.0#

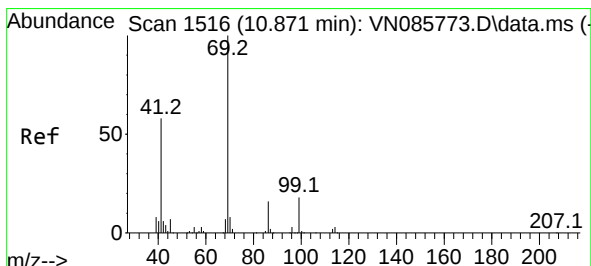
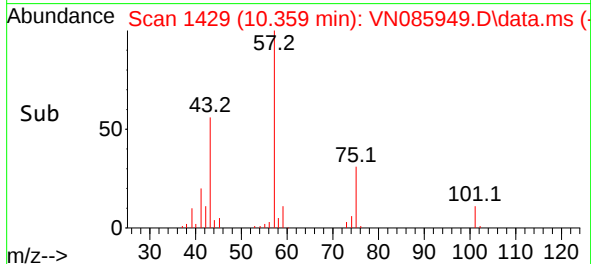
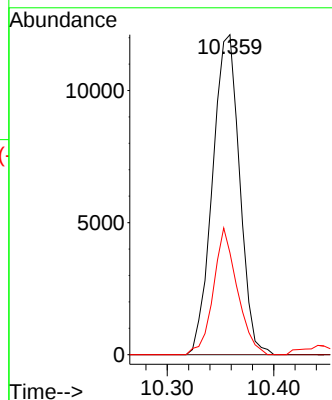
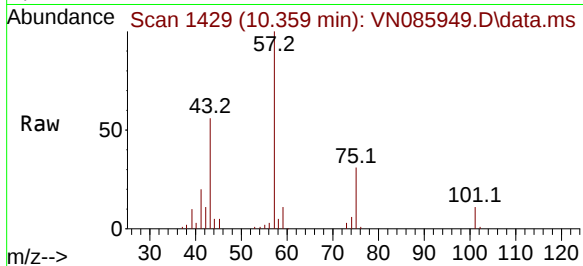




#54
 cis-1,3-Dichloropropene
 Concen: 6.177 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085949.D
 Acq: 11 Mar 2025 22:17

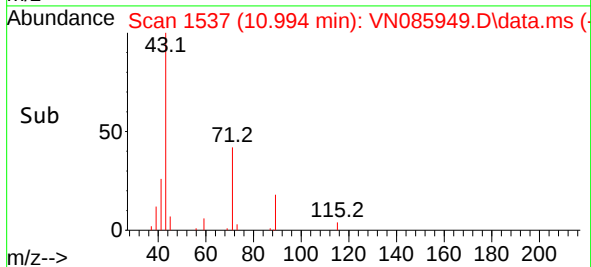
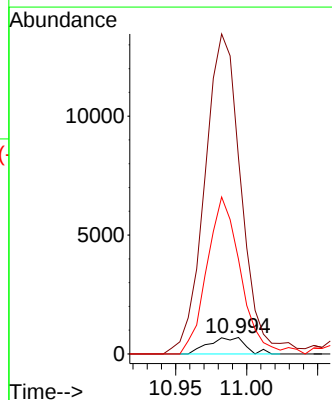
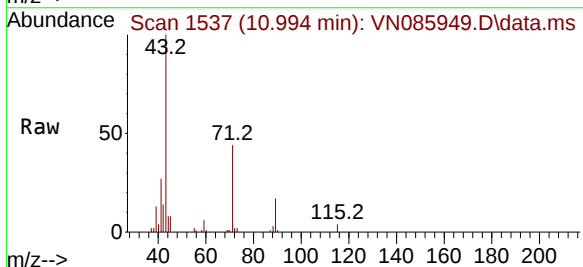
Instrument :
 MSVOA_N
 ClientSampleId :
 ENV-103-SB01

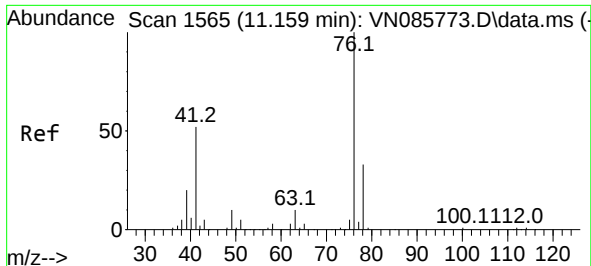
Tgt Ion: 75 Resp: 21377
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 31.8 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 0.901 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.123 min
 Lab File: VN085949.D
 Acq: 11 Mar 2025 22:17

Tgt Ion: 69 Resp: 1241
 Ion Ratio Lower Upper
 69 100
 41 1937.5 46.0 69.0#
 39 879.9 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 0.586 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085949.D

Acq: 11 Mar 2025 22:17

Instrument :

MSVOA_N

ClientSampleId :

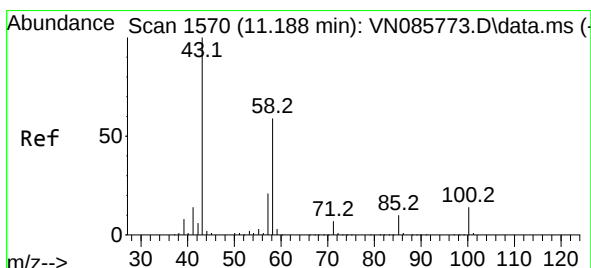
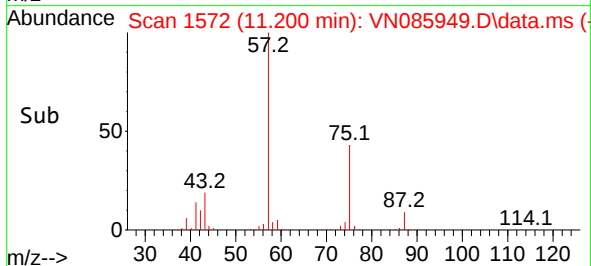
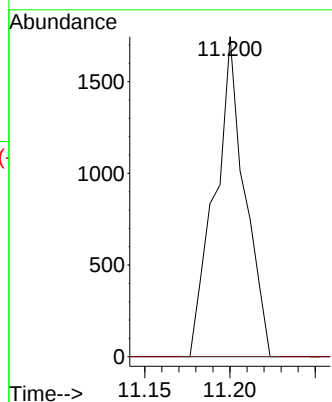
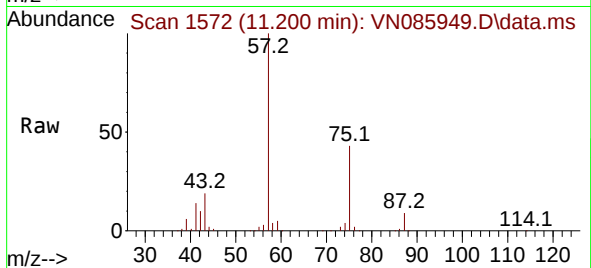
ENV-103-SB01

Tgt Ion: 76 Resp: 2136

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 14.527 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085949.D

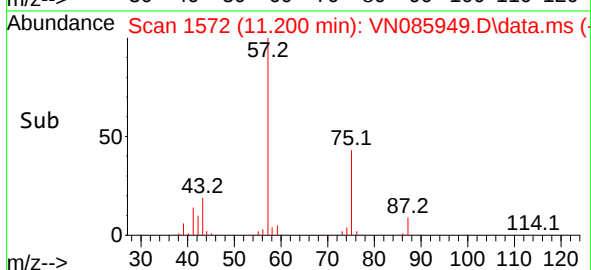
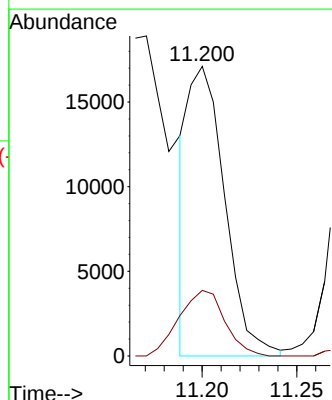
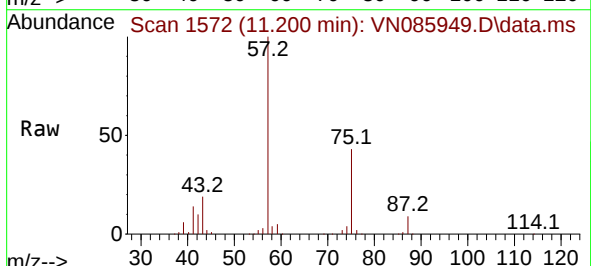
Acq: 11 Mar 2025 22:17

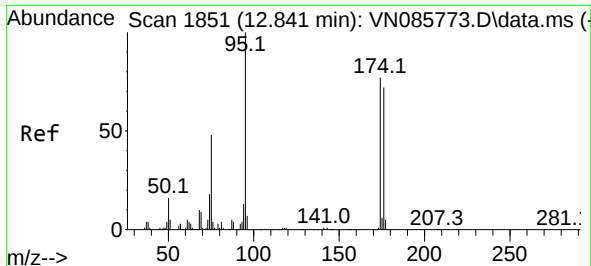
Tgt Ion: 43 Resp: 23180

Ion Ratio Lower Upper

43 100

58 28.1 29.8 89.5#

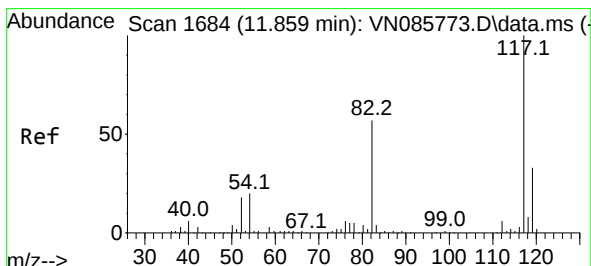
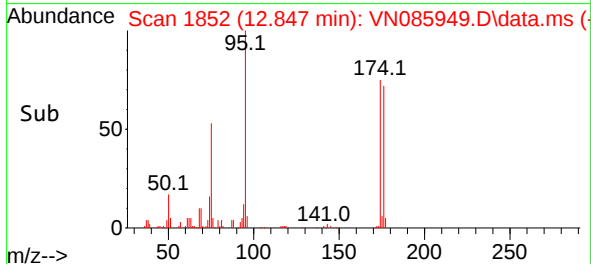
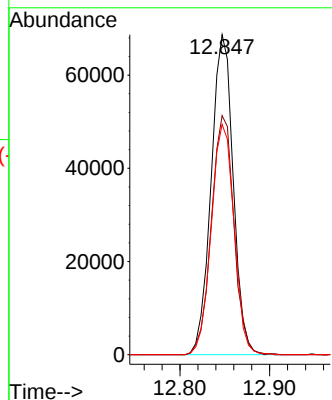
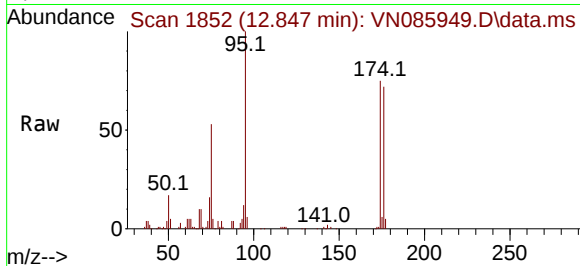




#62
4-Bromofluorobenzene
Concen: 47.263 ug/l
RT: 12.847 min Scan# 117023
Delta R.T. 0.006 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

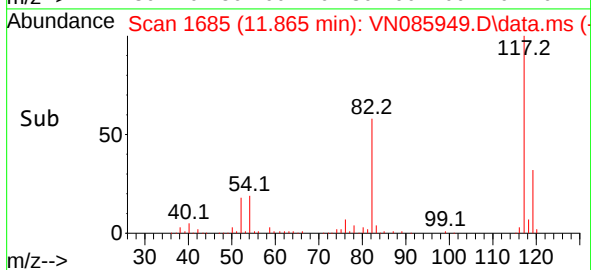
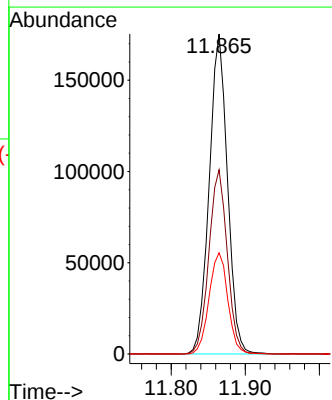
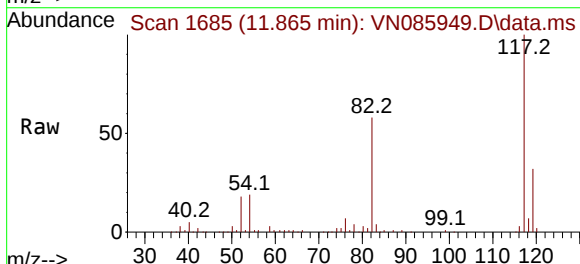
Instrument :
MSVOA_N
ClientSampleId :
ENV-103-SB01

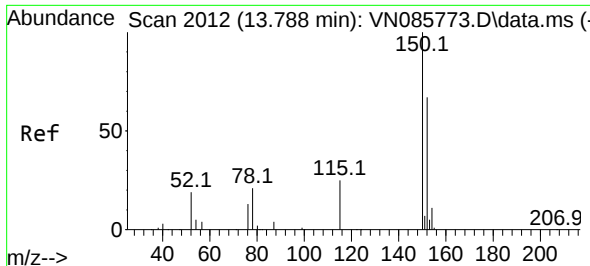
Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	152.4
176	74.6	0.0	146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.7	68.5
119	31.6	26.2	39.2

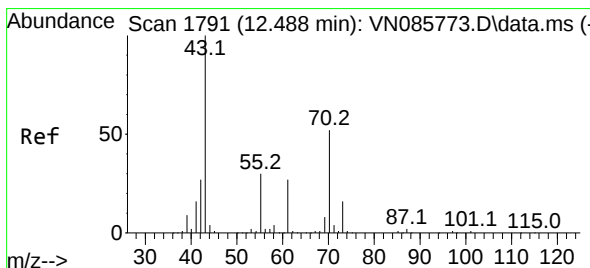
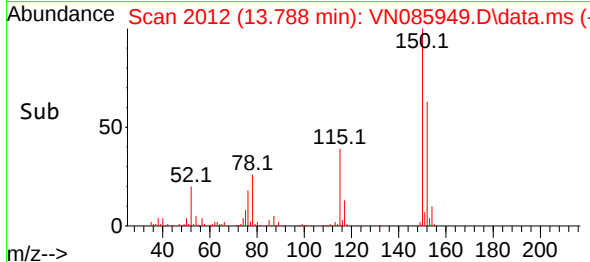
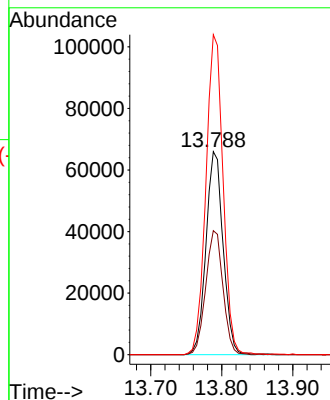
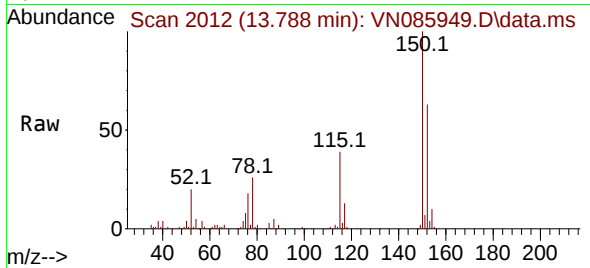




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

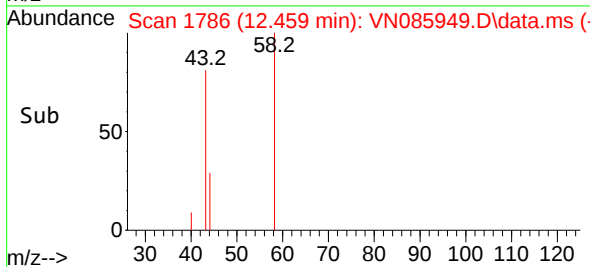
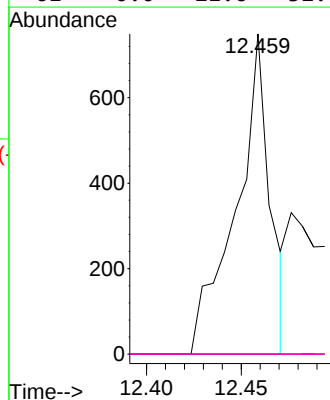
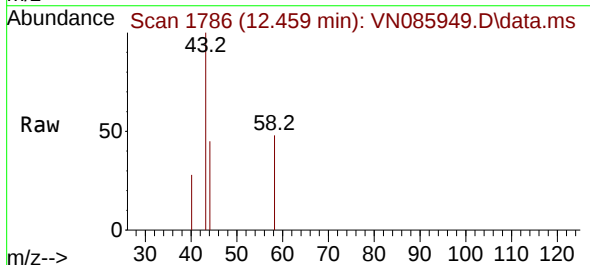
Instrument :
MSVOA_N
ClientSampleId :
ENV-103-SB01

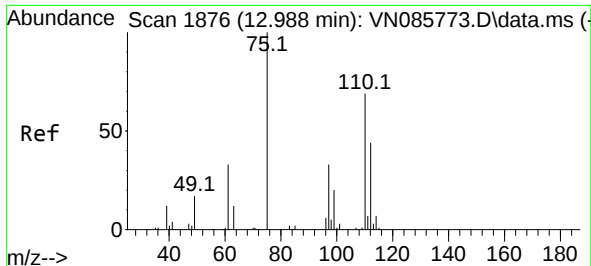
Tgt Ion:152 Resp: 110799
Ion Ratio Lower Upper
152 100
115 61.5 30.4 91.3
150 157.4 0.0 345.4



#74
N-ethyl acetate
Concen: 0.349 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.029 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Tgt Ion: 43 Resp: 934
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#

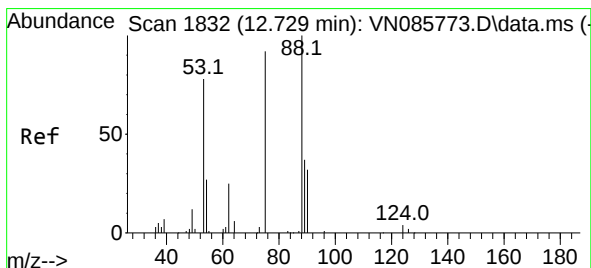
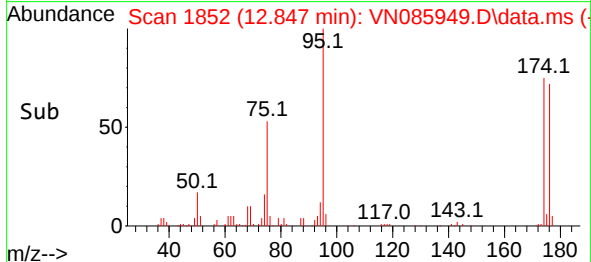
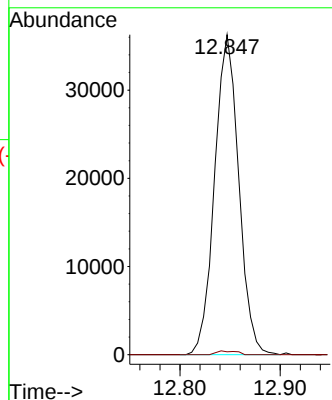
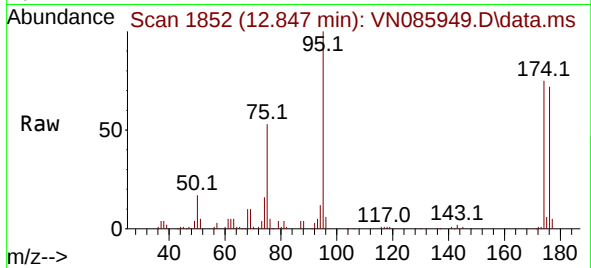




#76
1,2,3-Trichloropropane
Concen: 24.647 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-SB01

Tgt Ion: 75 Resp: 60661
Ion Ratio Lower Upper
75 100
77 1.0 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.913 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Tgt Ion: 75 Resp: 60661
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#

