

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031925\
 Data File : VN086017.D
 Acq On : 19 Mar 2025 18:27
 Operator : JC\MD
 Sample : Q1597-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2-CONCRETE-SLAB

Quant Time: Mar 20 01:35:56 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)

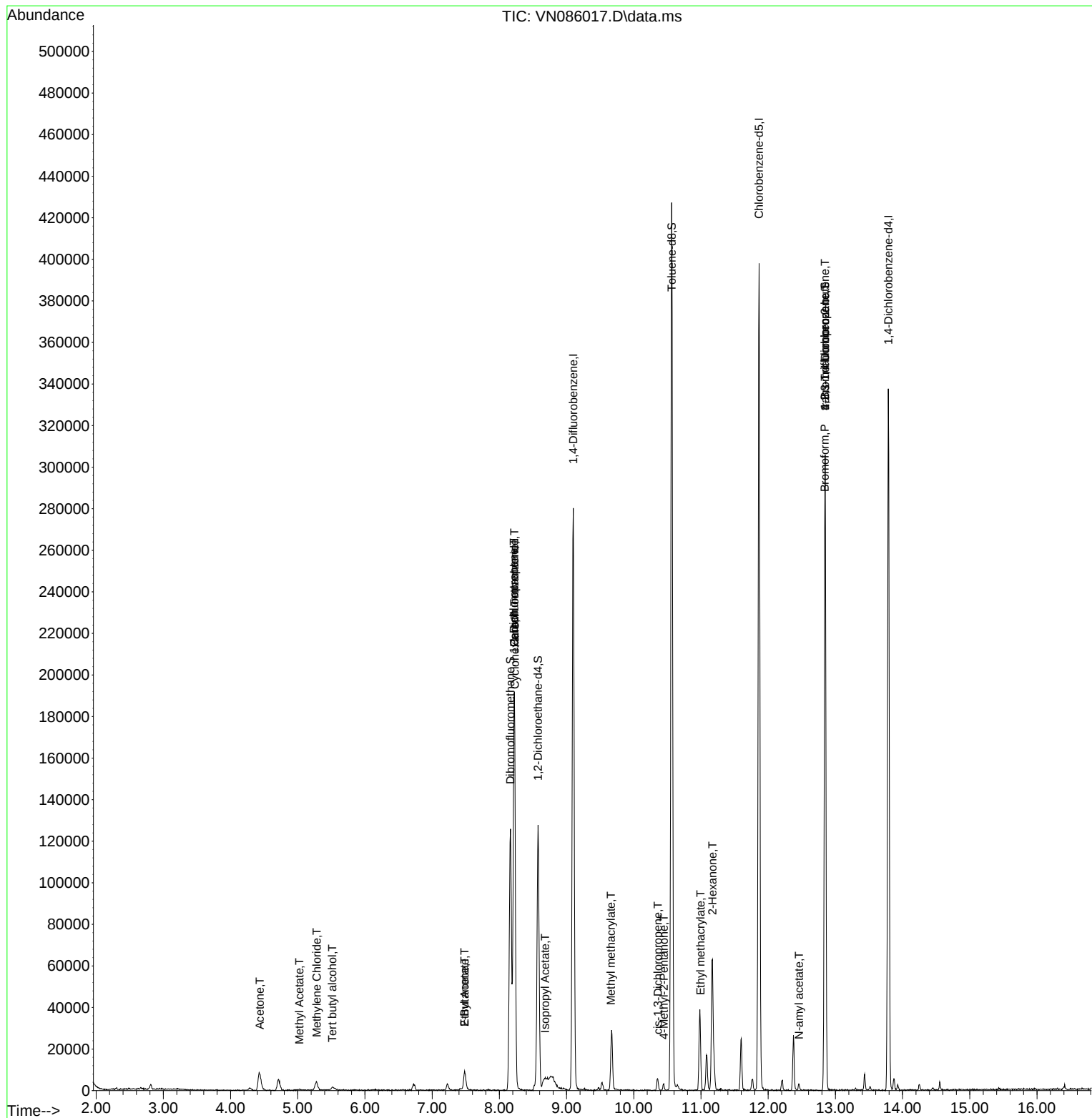
Internal Standards						
1) Pentafluorobenzene	8.224	168	138927	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	245130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	236624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	94379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107313	56.410	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.820%			
35) Dibromofluoromethane	8.165	113	89976	52.588	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.180%			
50) Toluene-d8	10.565	98	304670	49.064	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.120%			
62) 4-Bromofluorobenzene	12.847	95	106618	48.144	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.280%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.512	59	2750	10.210	ug/l #	80
16) Acetone	4.436	43	17331	29.820	ug/l	99
18) Methyl Acetate	5.024	43	636	0.442	ug/l #	45
20) Methylene Chloride	5.283	84	3431	2.018	ug/l #	79
25) 2-Butanone	7.483	43	14388	17.157	ug/l	95
31) Cyclohexane	8.230	56	2904	1.225	ug/l #	13
36) 1,1-Dichloropropene	8.218	75	10889	4.833	ug/l #	48
37) Ethyl Acetate	7.483	43	14388	7.570	ug/l #	64
38) Carbon Tetrachloride	8.224	117	15346	5.181	ug/l #	16
43) Isopropyl Acetate	8.682	43	6336	1.538	ug/l #	50
48) Methyl methacrylate	9.659	41	1625	1.196	ug/l #	33
51) 4-Methyl-2-Pentanone	10.447	43	2056	1.132	ug/l	86
54) cis-1,3-Dichloropropene	10.359	75	1270	0.469	ug/l #	40
56) Ethyl methacrylate	10.994	69	453	0.404	ug/l #	1
59) 2-Hexanone	11.171	43	51499	38.919	ug/l #	28
71) Bromoform	12.841	173	845	0.502	ug/l #	1
74) N-amyl acetate	12.459	43	2009	0.932	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	54117	25.612	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	54117	67.713	ug/l #	16

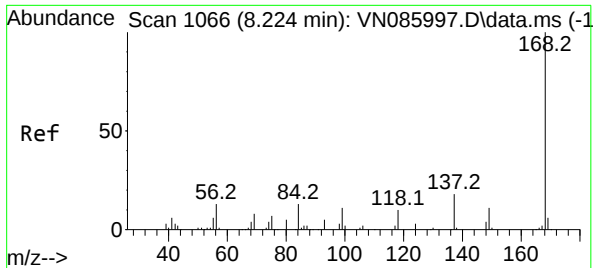
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
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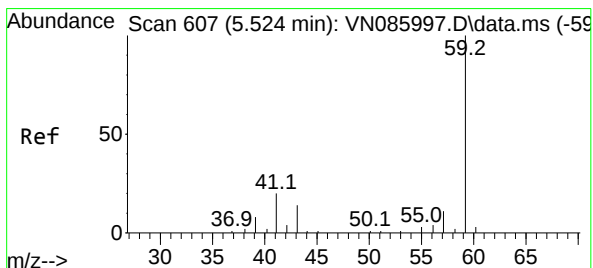
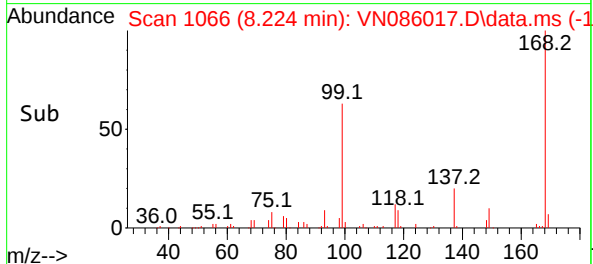
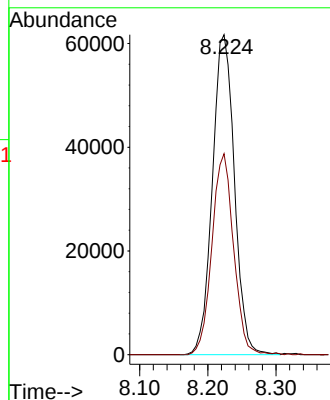
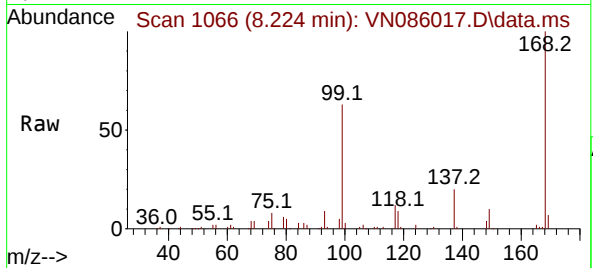




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086017.D
Acq: 19 Mar 2025 18:27

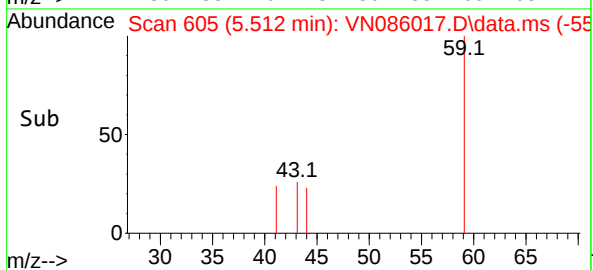
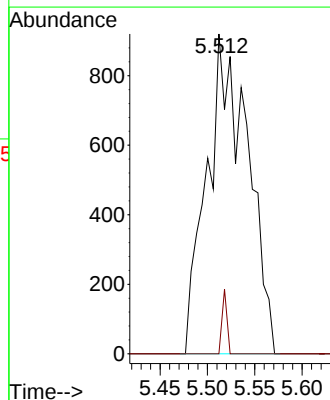
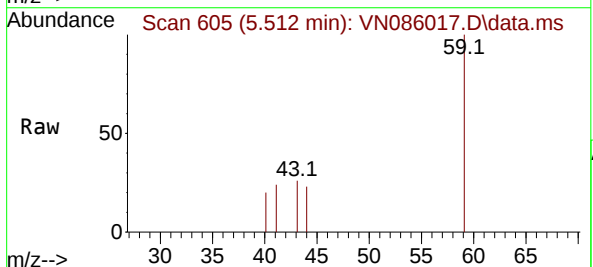
Instrument :
MSVOA_N
ClientSampleId :
2-CONCRETE-SLAB

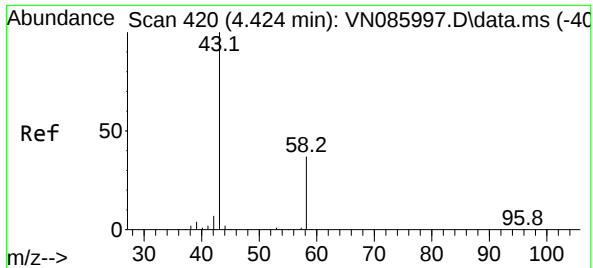
Tgt Ion:168 Resp: 138927
Ion Ratio Lower Upper
168 100
99 62.8 49.4 74.2



#11
Tert butyl alcohol
Concen: 10.210 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN086017.D
Acq: 19 Mar 2025 18:27

Tgt Ion: 59 Resp: 2750
Ion Ratio Lower Upper
59 100
57 2.4 7.9 11.9#

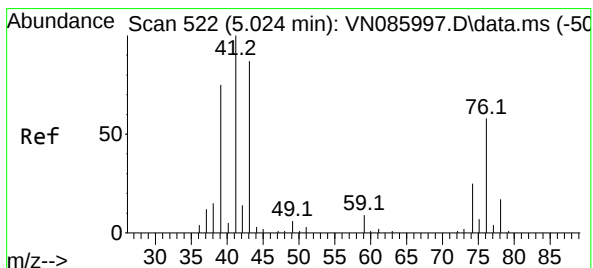
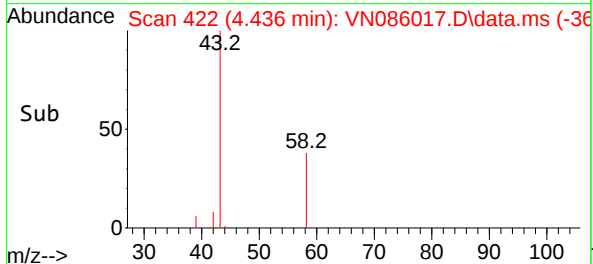
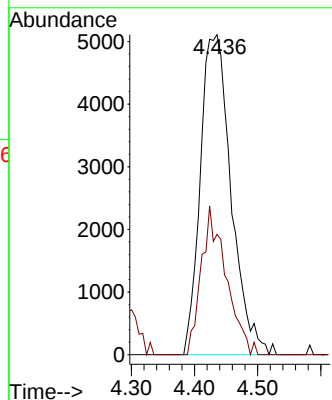
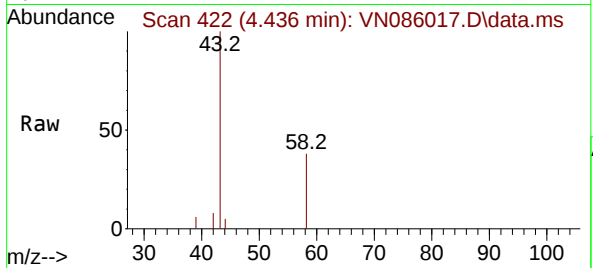




#16
Acetone
Concen: 29.820 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086017.D
Acq: 19 Mar 2025 18:27

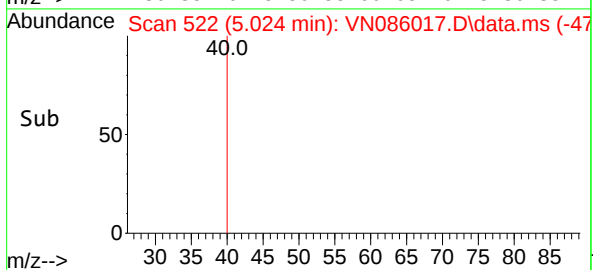
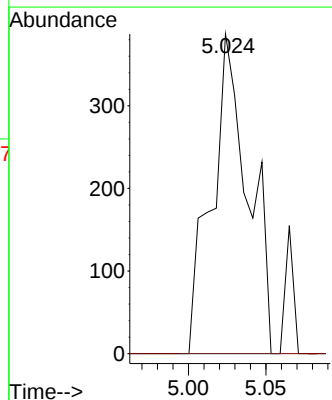
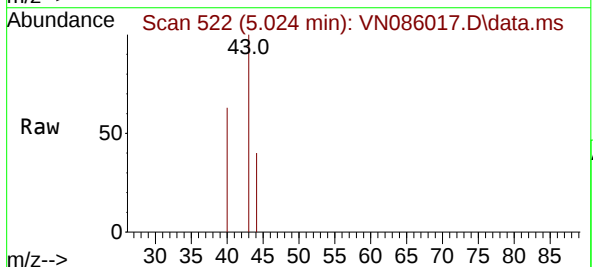
Instrument :
MSVOA_N
ClientSampleId :
2-CONCRETE-SLAB

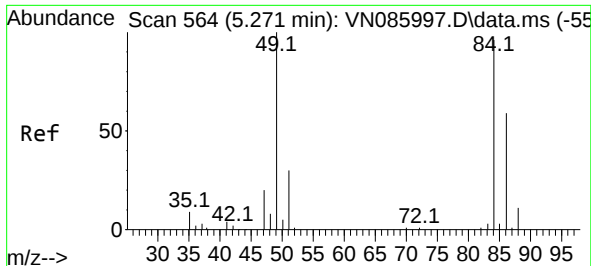
Tgt Ion: 43 Resp: 17331
Ion Ratio Lower Upper
43 100
58 37.6 29.4 44.2



#18
Methyl Acetate
Concen: 0.442 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN086017.D
Acq: 19 Mar 2025 18:27

Tgt Ion: 43 Resp: 636
Ion Ratio Lower Upper
43 100
74 0.0 23.9 35.9#





#20

Methylene Chloride

Concen: 2.018 ug/l

RT: 5.283 min Scan# 5

Delta R.T. 0.012 min

Lab File: VN086017.D

Acq: 19 Mar 2025 18:27

Instrument :

MSVOA_N

ClientSampleId :

2-CONCRETE-SLAB

Tgt Ion: 84 Resp: 3431

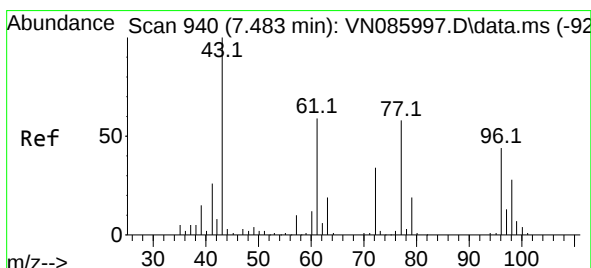
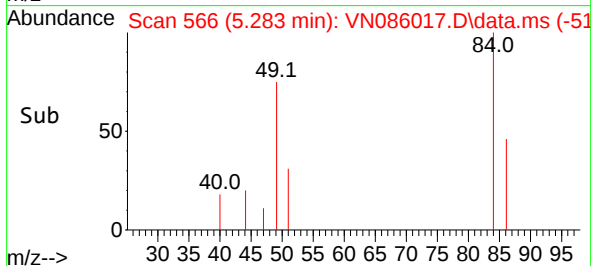
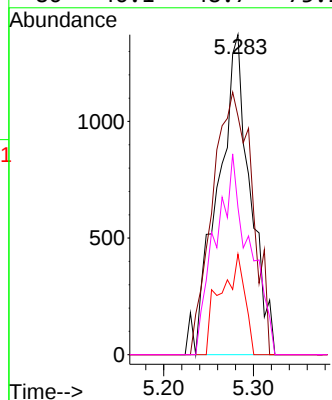
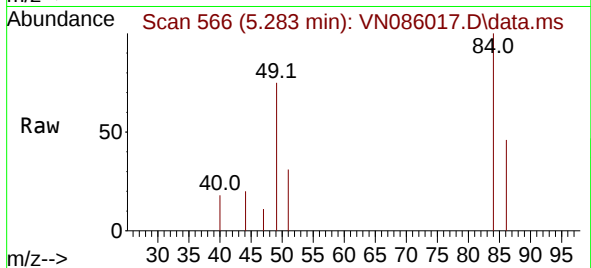
Ion Ratio Lower Upper

84 100

49 74.6 83.3 124.9#

51 31.4 24.8 37.2

86 46.1 48.7 73.1#



#25

2-Butanone

Concen: 17.157 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086017.D

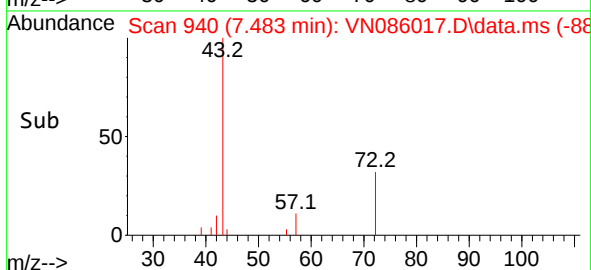
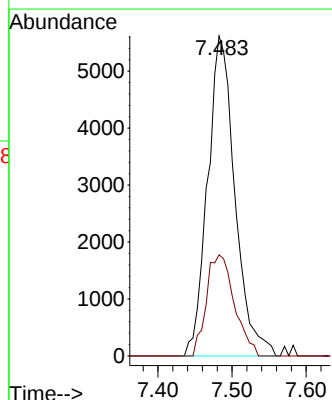
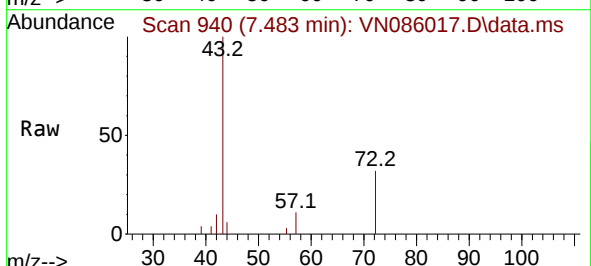
Acq: 19 Mar 2025 18:27

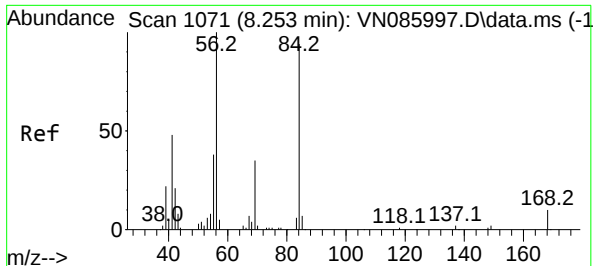
Tgt Ion: 43 Resp: 14388

Ion Ratio Lower Upper

43 100

72 31.6 27.4 41.0

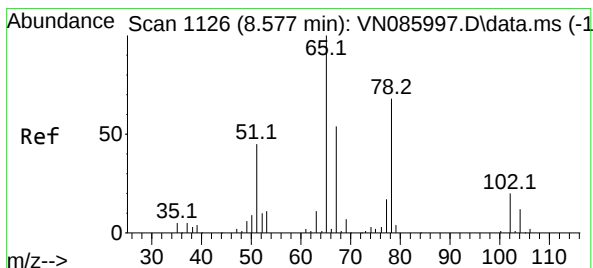
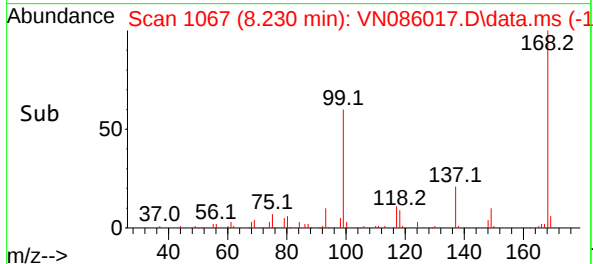
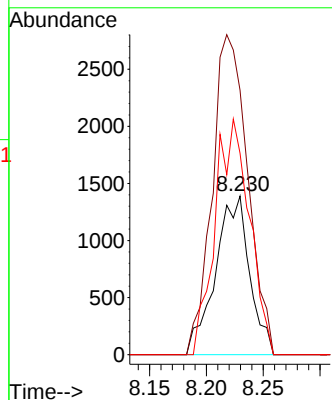
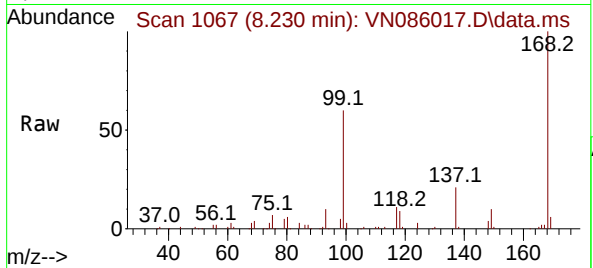




#31
Cyclohexane
Concen: 1.225 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN086017.D
Acq: 19 Mar 2025 18:27

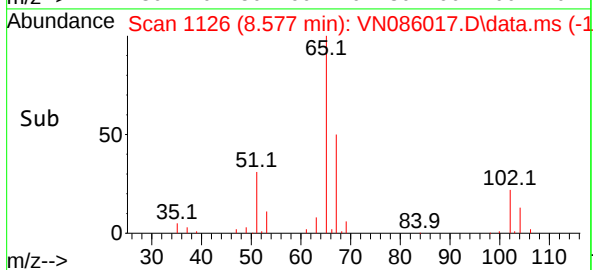
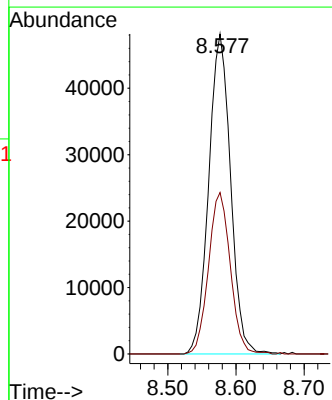
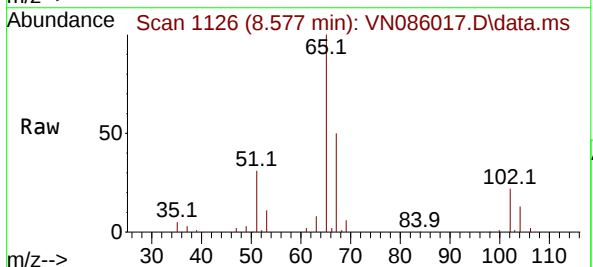
Instrument :
MSVOA_N
ClientSampleId :
2-CONCRETE-SLAB

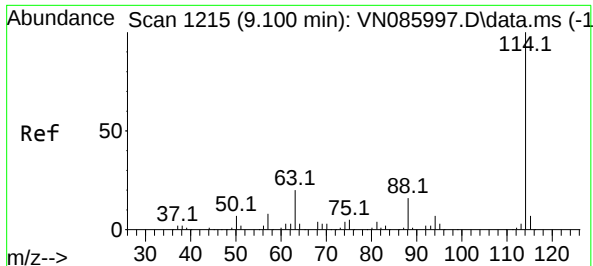
Tgt Ion: 56 Resp: 2904
Ion Ratio Lower Upper
56 100
69 166.8 28.0 42.0#
84 127.1 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 56.410 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086017.D
Acq: 19 Mar 2025 18:27

Tgt Ion: 65 Resp: 107313
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086017.D

Acq: 19 Mar 2025 18:27

Instrument :

MSVOA_N

ClientSampleId :

2-CONCRETE-SLAB

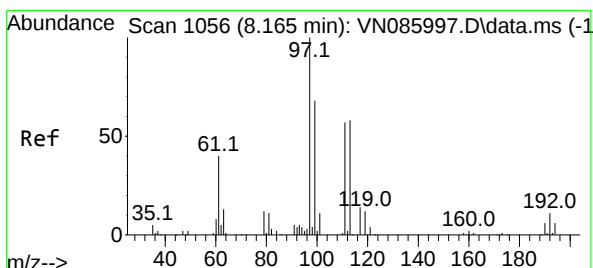
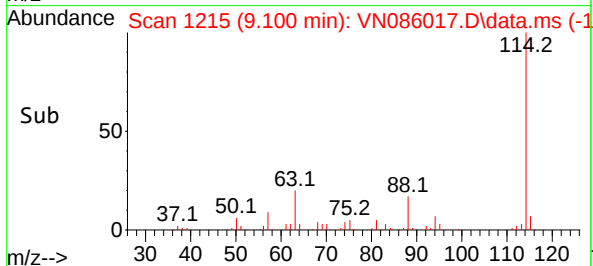
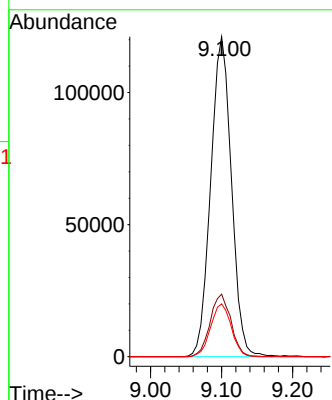
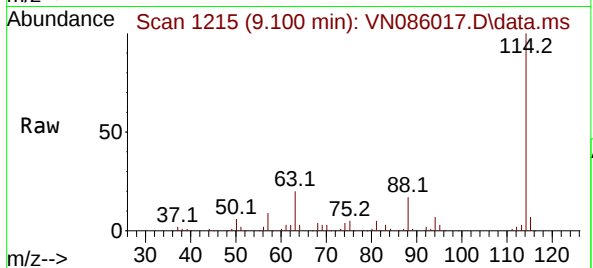
Tgt Ion:114 Resp: 245130

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 16.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.588 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086017.D

Acq: 19 Mar 2025 18:27

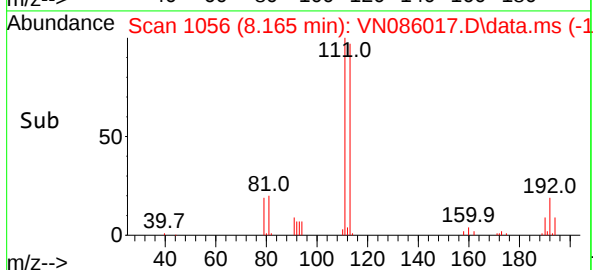
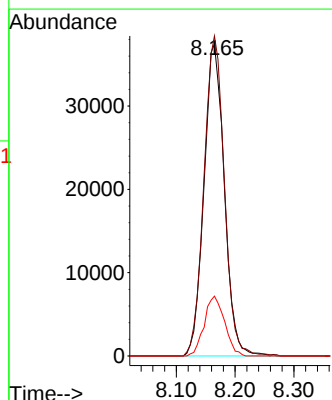
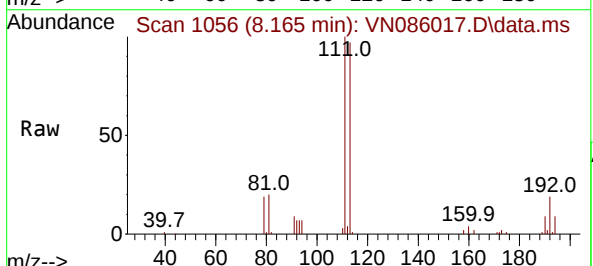
Tgt Ion:113 Resp: 89976

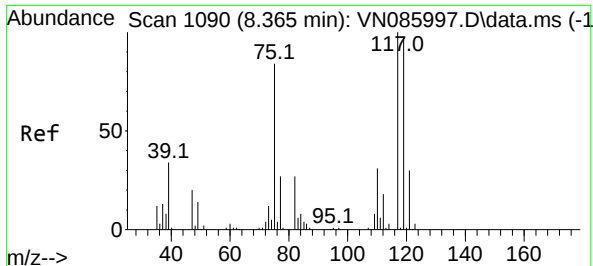
Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

192 19.2 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.833 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN086017.D

Acq: 19 Mar 2025 18:27

Instrument :

MSVOA_N

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2-CONCRETE-SLAB

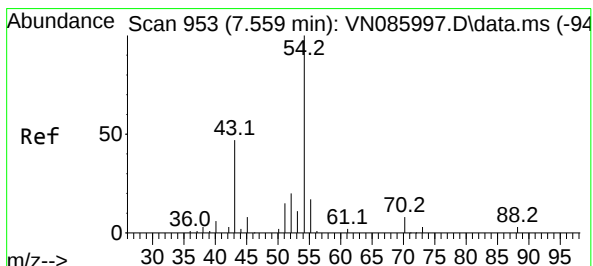
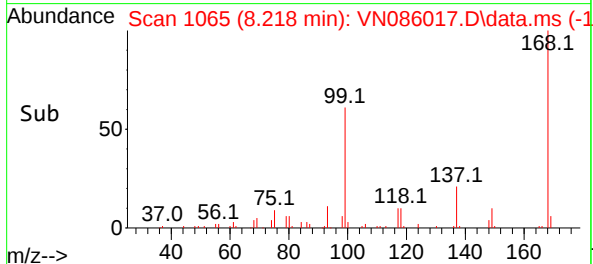
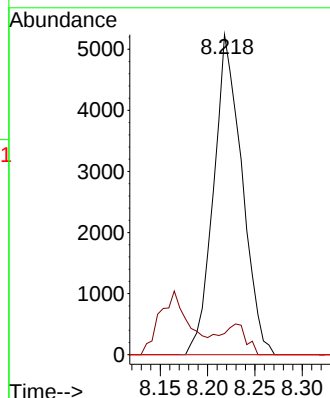
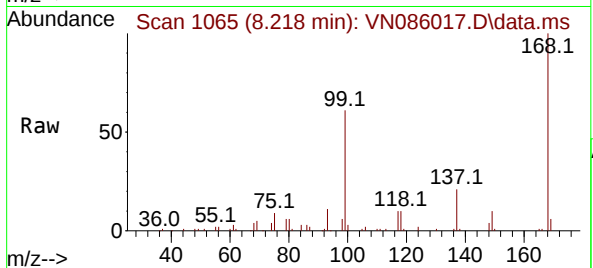
Tgt Ion: 75 Resp: 10889

Ion Ratio Lower Upper

75 100

110 7.0 17.8 53.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 7.570 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.077 min

Lab File: VN086017.D

Acq: 19 Mar 2025 18:27

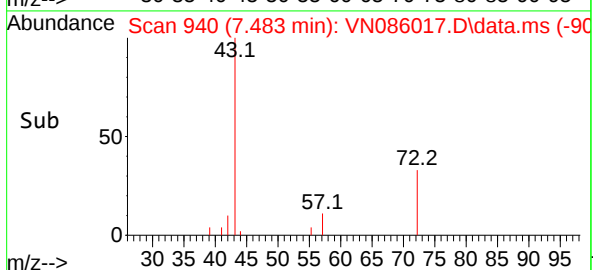
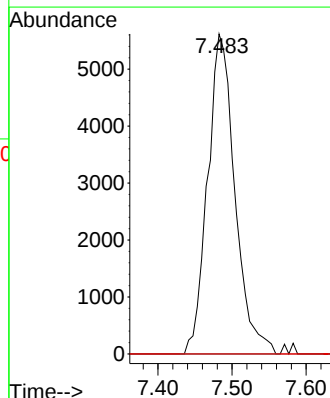
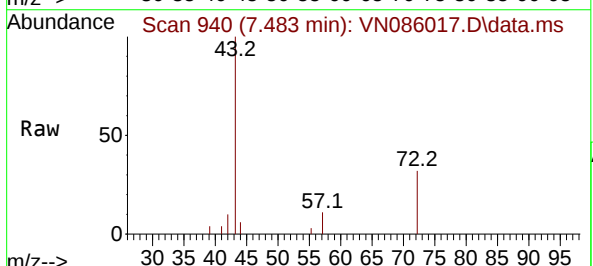
Tgt Ion: 43 Resp: 14388

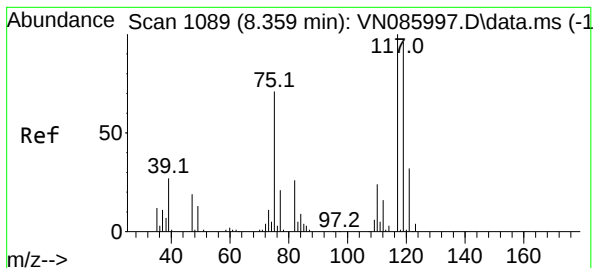
Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 11.0 16.6#





#38

Carbon Tetrachloride

Concen: 5.181 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086017.D

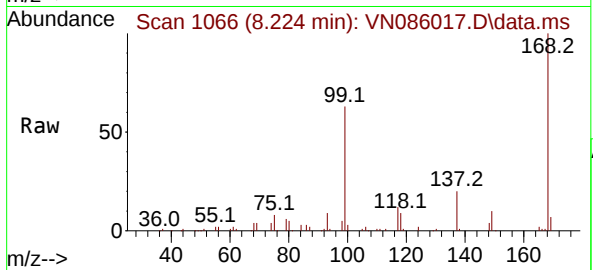
Acq: 19 Mar 2025 18:27

Instrument :

MSVOA_N

ClientSampleId :

2-CONCRETE-SLAB



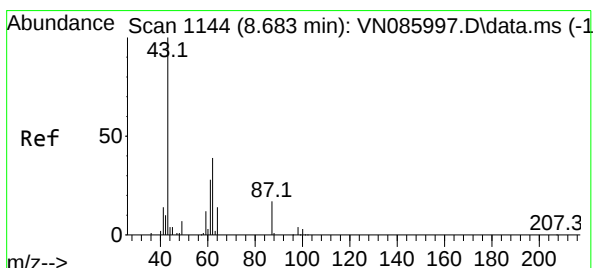
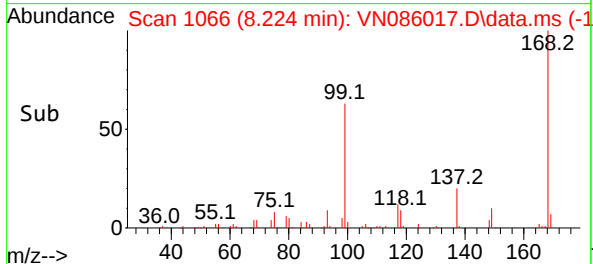
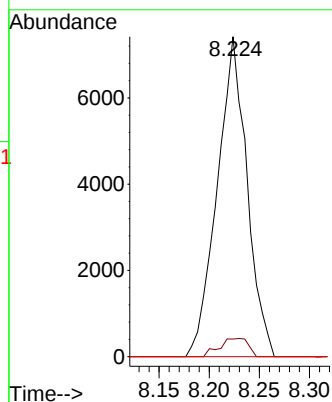
Tgt Ion:117 Resp: 15346

Ion Ratio Lower Upper

117 100

119 5.5 77.0 115.4#

121 0.0 25.6 38.4#



#43

Isopropyl Acetate

Concen: 1.538 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN086017.D

Acq: 19 Mar 2025 18:27

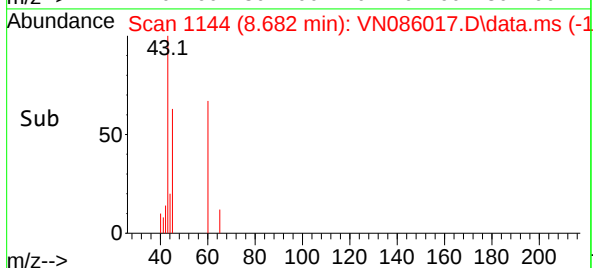
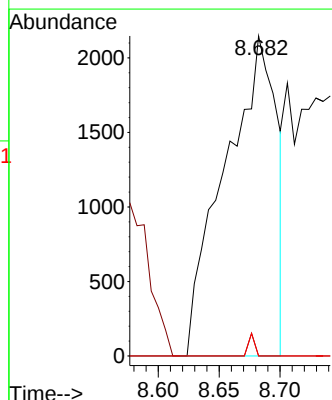
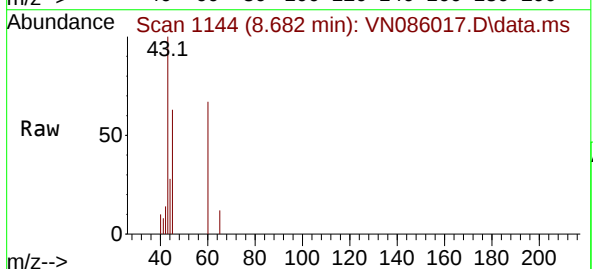
Tgt Ion: 43 Resp: 6336

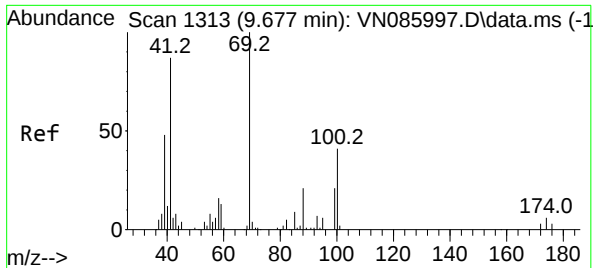
Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

87 0.9 13.0 19.4#

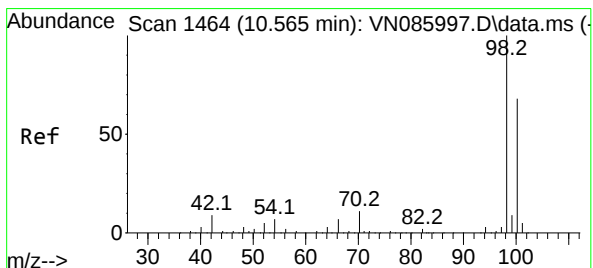
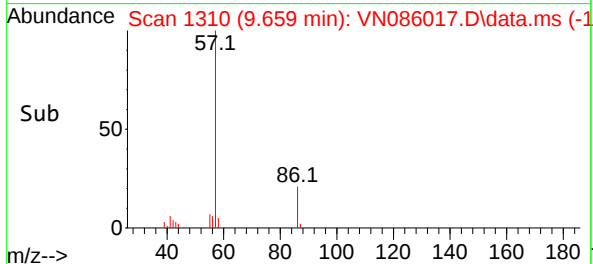
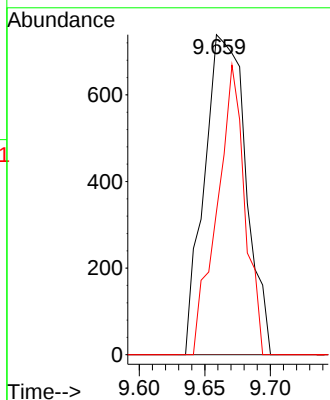
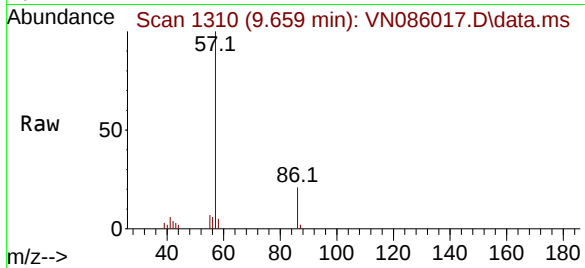




#48
Methyl methacrylate
Concen: 1.196 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN086017.D
Acq: 19 Mar 2025 18:27

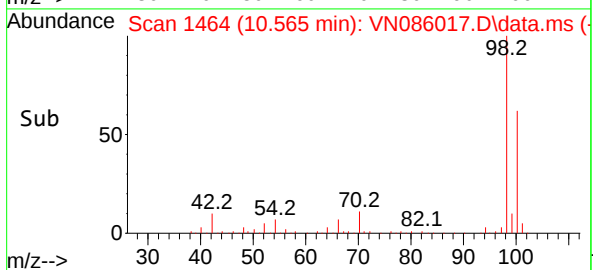
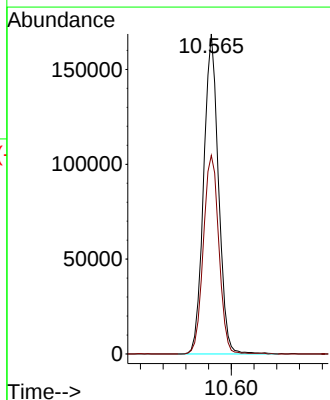
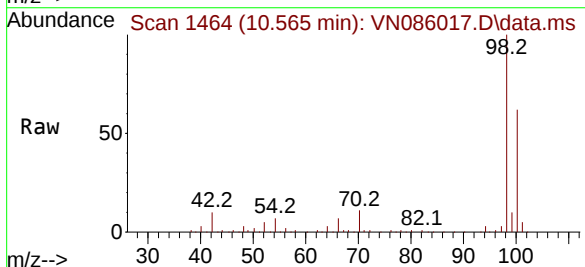
Instrument :
MSVOA_N
ClientSampleId :
2-CONCRETE-SLAB

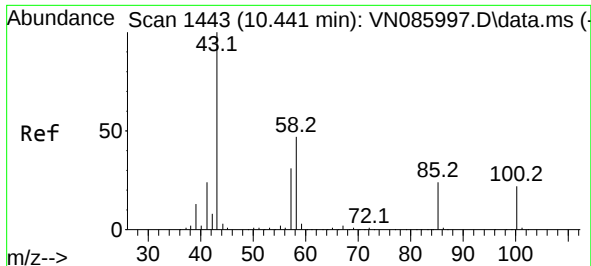
Tgt Ion: 41 Resp: 1625
Ion Ratio Lower Upper
41 100
69 0.0 83.1 124.7#
39 60.8 45.6 68.4



#50
Toluene-d8
Concen: 49.064 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086017.D
Acq: 19 Mar 2025 18:27

Tgt Ion: 98 Resp: 304670
Ion Ratio Lower Upper
98 100
100 64.8 53.1 79.7

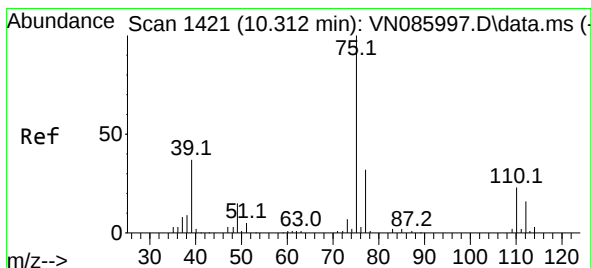
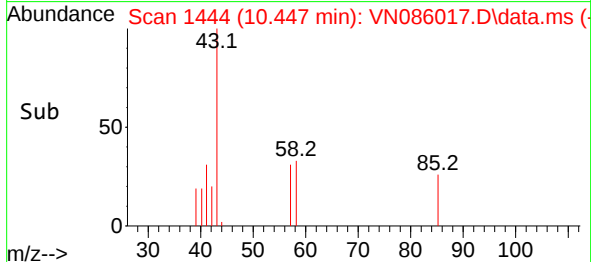
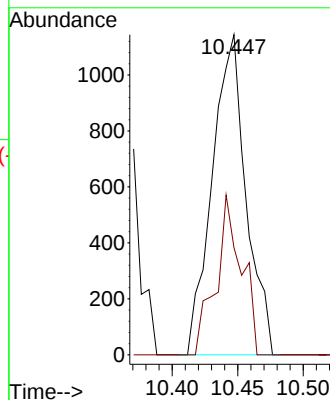
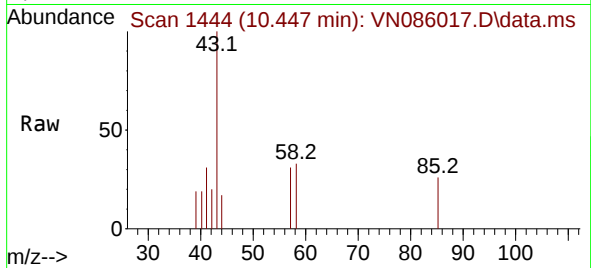




#51
4-Methyl-2-Pentanone
Concen: 1.132 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN086017.D
Acq: 19 Mar 2025 18:27

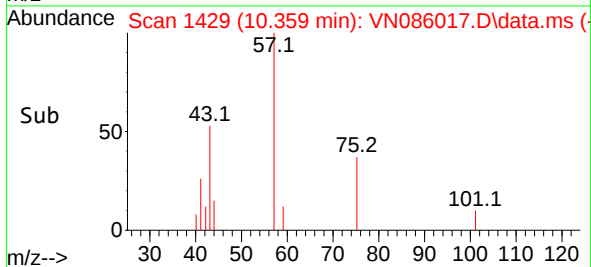
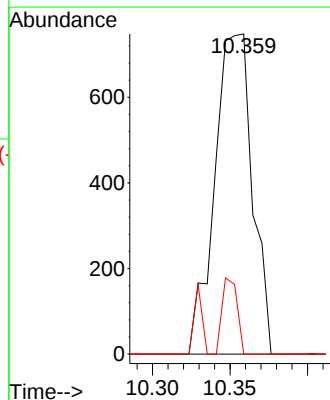
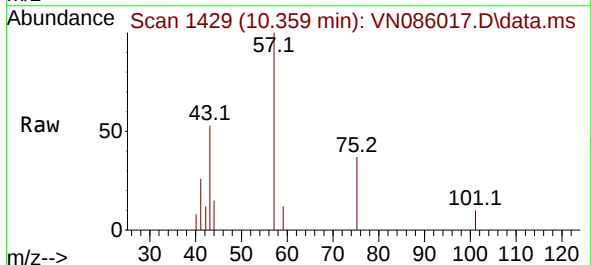
Instrument :
MSVOA_N
ClientSampleId :
2-CONCRETE-SLAB

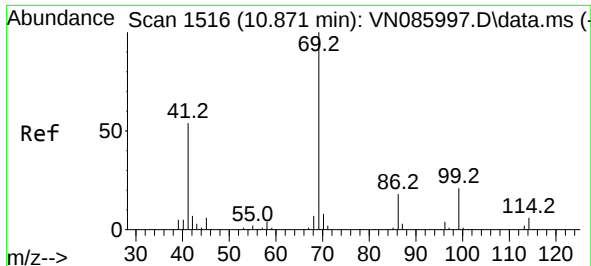
Tgt Ion: 43 Resp: 2056
Ion Ratio Lower Upper
43 100
58 37.6 37.4 56.0



#54
cis-1,3-Dichloropropene
Concen: 0.469 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN086017.D
Acq: 19 Mar 2025 18:27

Tgt Ion: 75 Resp: 1270
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 0.0 29.6 44.4#

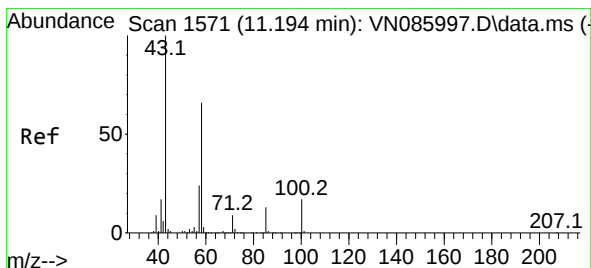
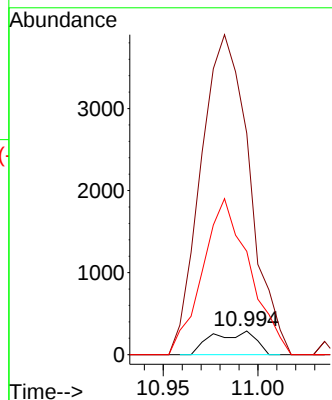
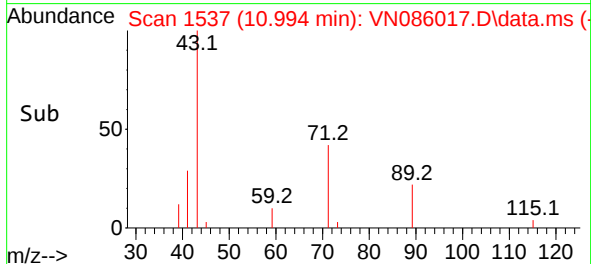
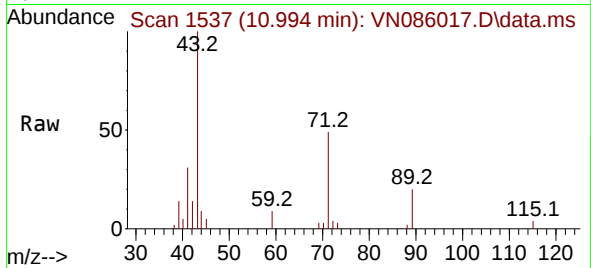




#56
Ethyl methacrylate
Concen: 0.404 ug/l
RT: 10.994 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN086017.D
Acq: 19 Mar 2025 18:27

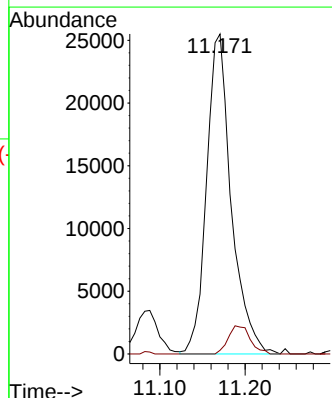
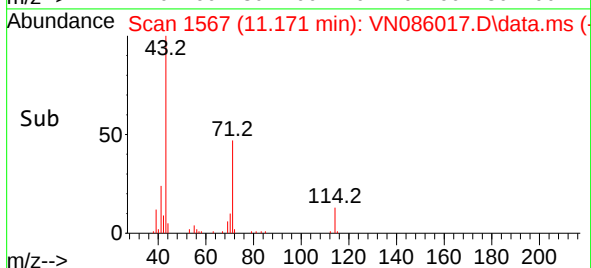
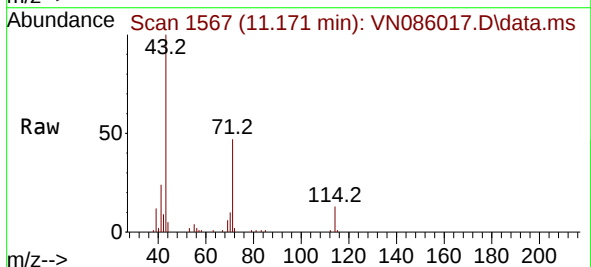
Instrument :
MSVOA_N
ClientSampleId :
2-CONCRETE-SLAB

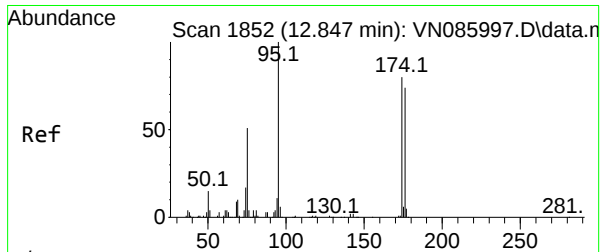
Tgt Ion: 69 Resp: 453
Ion Ratio Lower Upper
69 100
41 1541.9 41.6 62.4#
39 728.7 21.8 32.8#



#59
2-Hexanone
Concen: 38.919 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN086017.D
Acq: 19 Mar 2025 18:27

Tgt Ion: 43 Resp: 51499
Ion Ratio Lower Upper
43 100
58 7.8 32.4 97.2#

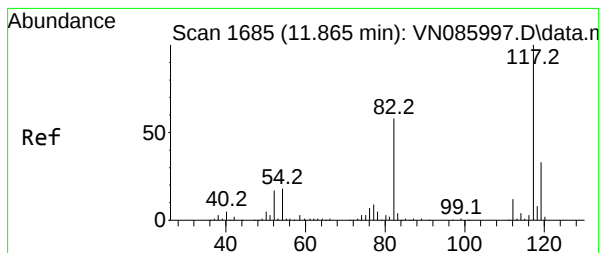
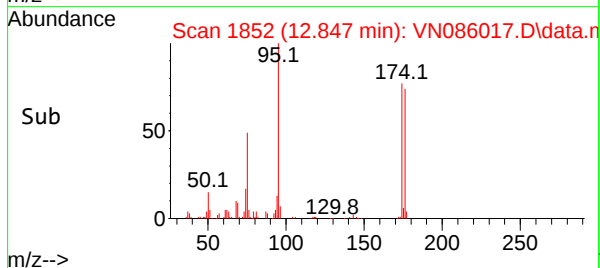
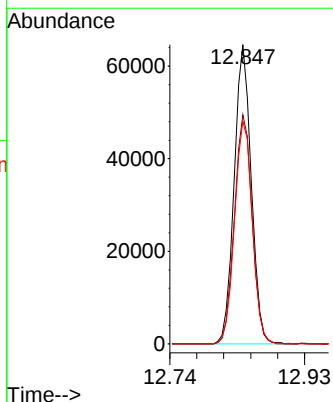
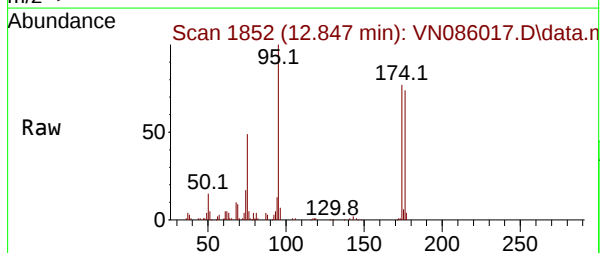




#62
4-Bromofluorobenzene
Concen: 48.144 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086017.D
Acq: 19 Mar 2025 18:27

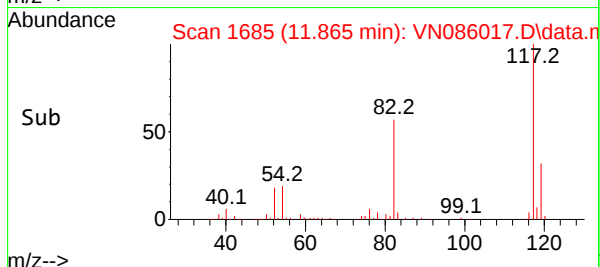
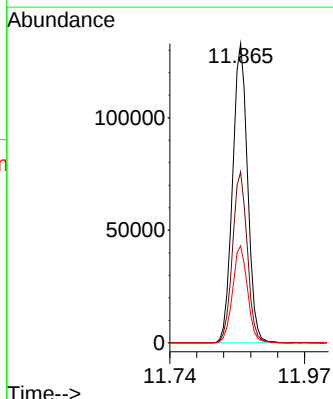
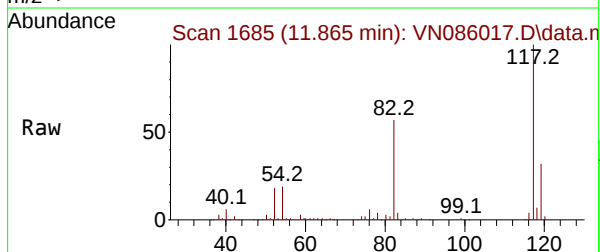
Instrument :
MSVOA_N
ClientSampleId :
2-CONCRETE-SLAB

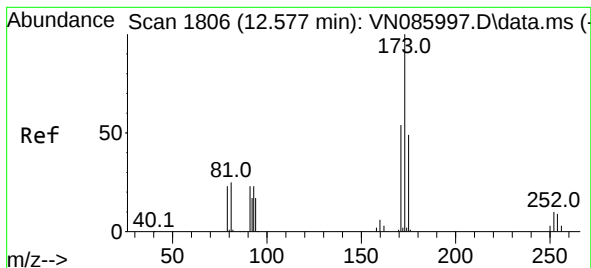
Tgt Ion:	95	Resp:	106618
Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	156.8
176	77.2	0.0	152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086017.D
Acq: 19 Mar 2025 18:27

Tgt Ion:	117	Resp:	236624
Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.7	70.1
119	32.4	26.5	39.7





#71

Bromoform

Concen: 0.502 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.264 min

Lab File: VN086017.D

Acq: 19 Mar 2025 18:27

Instrument :

MSVOA_N

ClientSampleId :

2-CONCRETE-SLAB

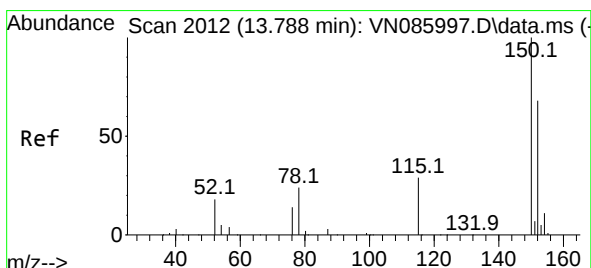
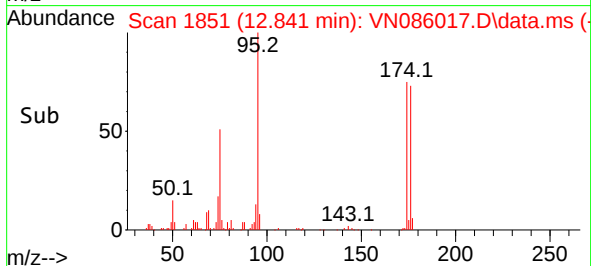
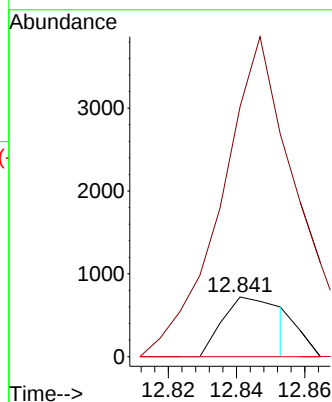
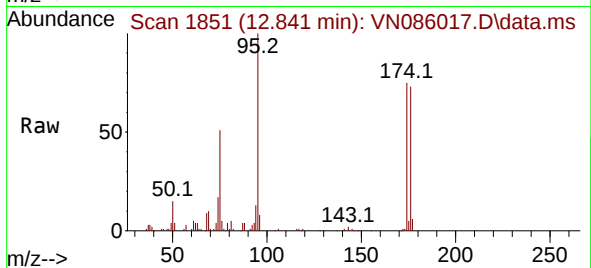
Tgt Ion:173 Resp: 845

Ion Ratio Lower Upper

173 100

175 547.5 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086017.D

Acq: 19 Mar 2025 18:27

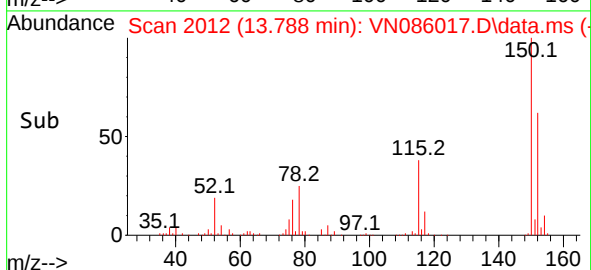
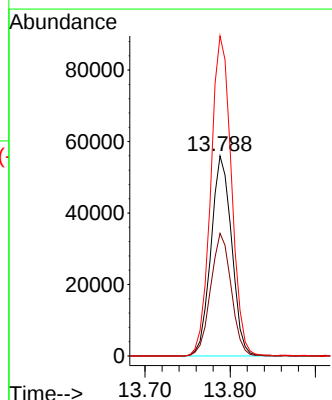
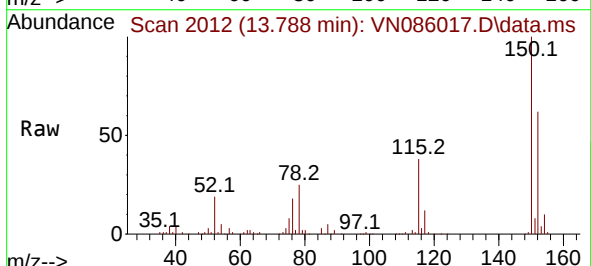
Tgt Ion:152 Resp: 94379

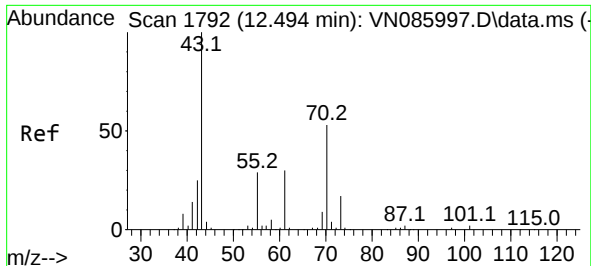
Ion Ratio Lower Upper

152 100

115 61.0 31.1 93.2

150 159.6 0.0 359.6

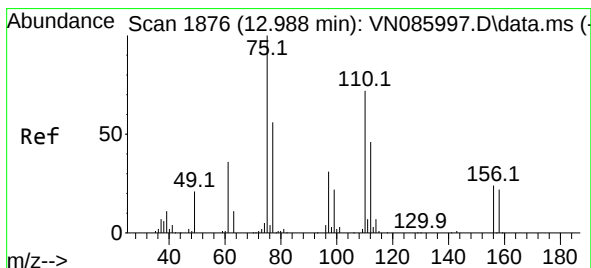
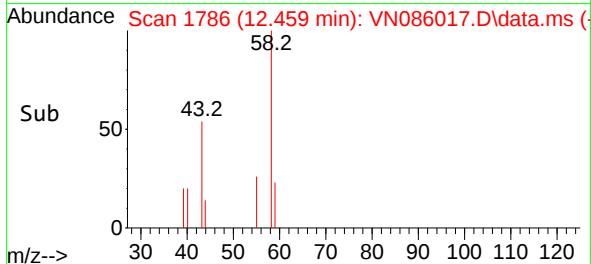
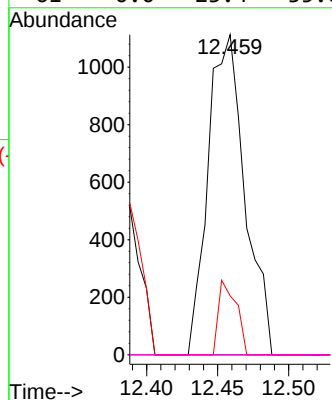
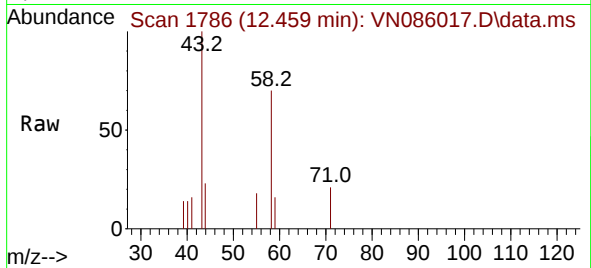




#74
N-amy1 acetate
Concen: 0.932 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN086017.D
Acq: 19 Mar 2025 18:27

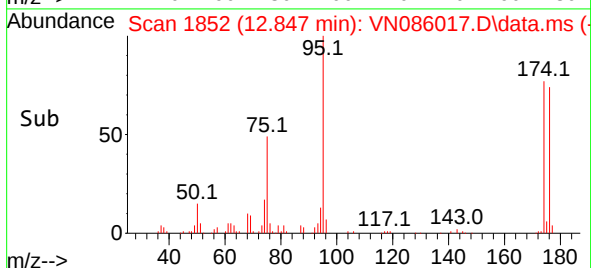
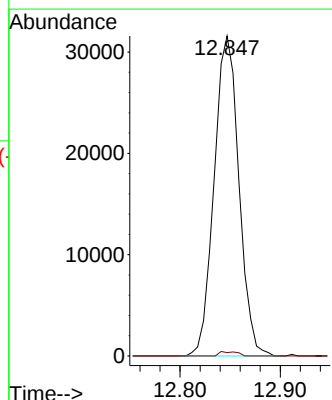
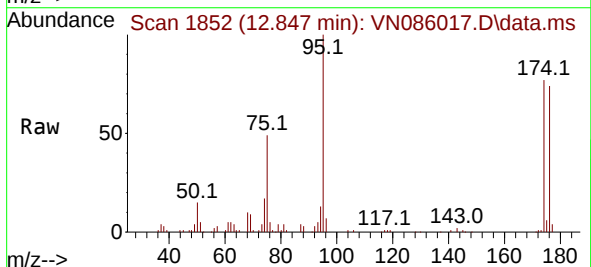
Instrument :
MSVOA_N
ClientSampleId :
2-CONCRETE-SLAB

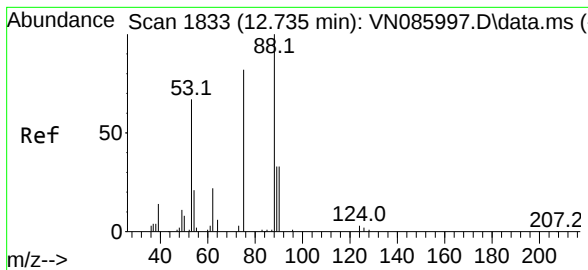
Tgt Ion: 43	Resp:	2009
Ion	Ratio	Lower Upper
43	100	
70	0.0	43.0 64.4#
55	11.1	23.8 35.8#
61	0.0	23.4 35.0#



#76
1,2,3-Trichloropropane
Concen: 25.612 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086017.D
Acq: 19 Mar 2025 18:27

Tgt Ion: 75	Resp:	54117
Ion	Ratio	Lower Upper
75	100	
77	1.0	83.7 251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.713 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086017.D
 Acq: 19 Mar 2025 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 2-CONCRETE-SLAB

Tgt Ion: 75 Resp: 54117
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.0 99.0#
 89 0.0 36.9 55.3#

