

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031925\
 Data File : VN086016.D
 Acq On : 19 Mar 2025 18:03
 Operator : JC\MD
 Sample : Q1597-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1-CONCRETE-SLAB

Quant Time: Mar 20 01:35:27 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)

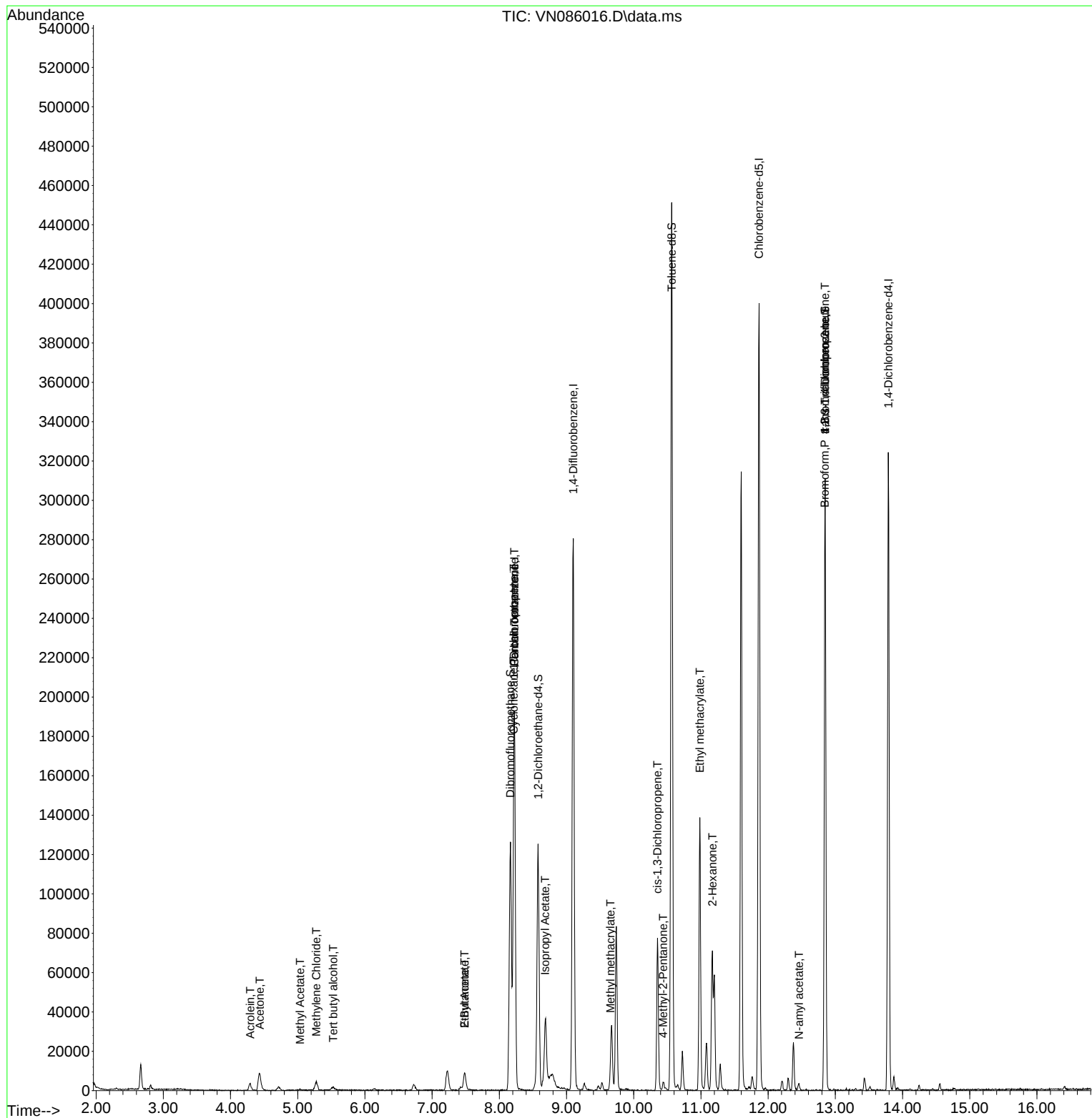
Internal Standards						
1) Pentafluorobenzene	8.224	168	140558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	248810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	239173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	92183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104234	54.155	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.320%			
35) Dibromofluoromethane	8.165	113	88894	51.187	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.380%			
50) Toluene-d8	10.565	98	318109	50.470	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.940%			
62) 4-Bromofluorobenzene	12.847	95	106127	47.214	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.420%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	2968	10.892	ug/l #	78
13) Acrolein	4.295	56	158	0.544	ug/l	86
16) Acetone	4.436	43	16659	28.331	ug/l	89
18) Methyl Acetate	5.036	43	475	0.326	ug/l #	74
20) Methylene Chloride	5.277	84	3427	1.992	ug/l #	92
25) 2-Butanone	7.483	43	14744	17.377	ug/l #	84
31) Cyclohexane	8.212	56	2763	1.152	ug/l #	23
36) 1,1-Dichloropropene	8.218	75	11380	4.976	ug/l #	50
37) Ethyl Acetate	7.483	43	14744	7.643	ug/l #	64
38) Carbon Tetrachloride	8.224	117	15653	5.206	ug/l #	15
43) Isopropyl Acetate	8.683	43	44800	10.716	ug/l #	80
48) Methyl methacrylate	9.653	41	2925	2.120	ug/l #	28
51) 4-Methyl-2-Pentanone	10.435	43	2534	1.374	ug/l	91
54) cis-1,3-Dichloropropene	10.353	75	14507	5.276	ug/l #	65
56) Ethyl methacrylate	10.982	69	1086	0.700	ug/l #	1
59) 2-Hexanone	11.171	43	60747	45.229	ug/l #	18
71) Bromoform	12.841	173	570	0.335	ug/l #	1
74) N-amyl acetate	12.459	43	2359	1.120	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	53888	26.111	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	53888	69.033	ug/l #	16

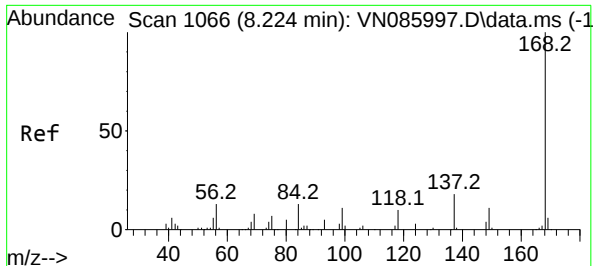
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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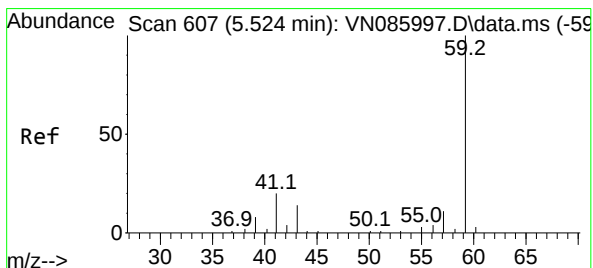
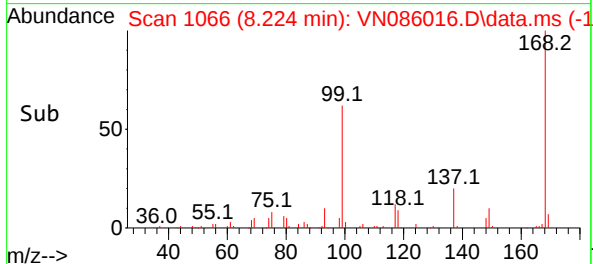
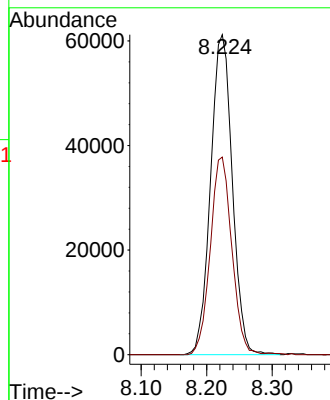
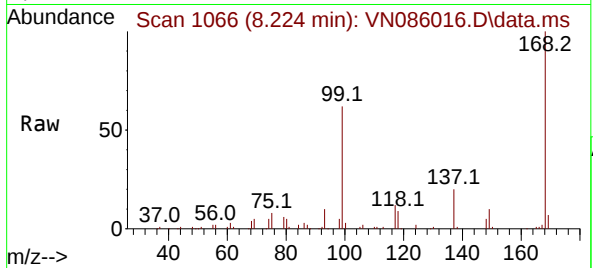




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086016.D
Acq: 19 Mar 2025 18:03

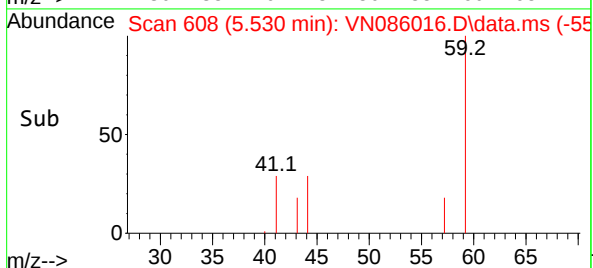
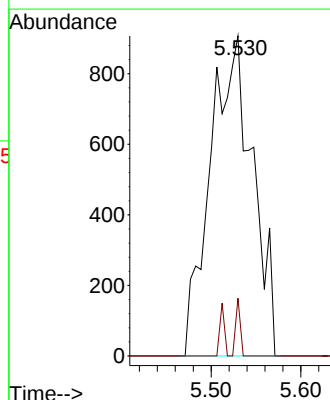
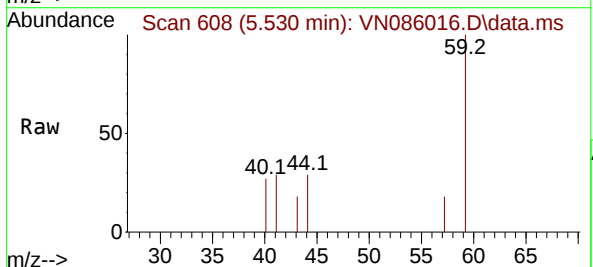
Instrument :
MSVOA_N
ClientSampleId :
1-CONCRETE-SLAB

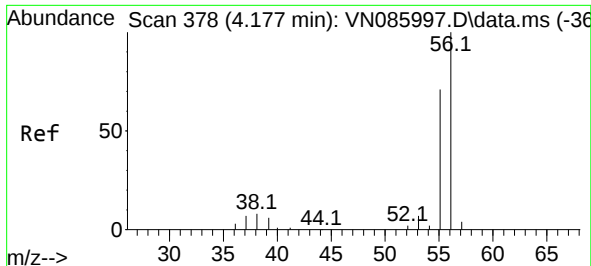
Tgt Ion:168 Resp: 140558
Ion Ratio Lower Upper
168 100
99 61.8 49.4 74.2



#11
Tert butyl alcohol
Concen: 10.892 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN086016.D
Acq: 19 Mar 2025 18:03

Tgt Ion: 59 Resp: 2968
Ion Ratio Lower Upper
59 100
57 2.0 7.9 11.9#





#13

Acrolein

Concen: 0.544 ug/l

RT: 4.295 min Scan# 398

Delta R.T. 0.118 min

Lab File: VN086016.D

Acq: 19 Mar 2025 18:03

Instrument :

MSVOA_N

ClientSampleId :

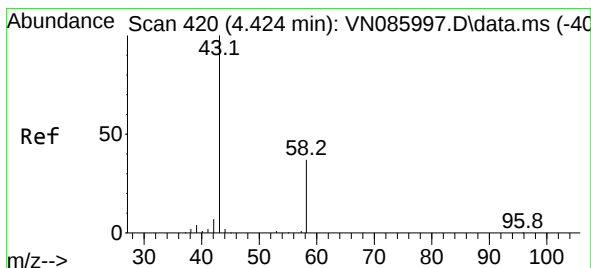
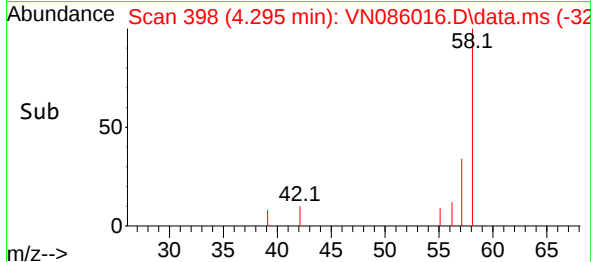
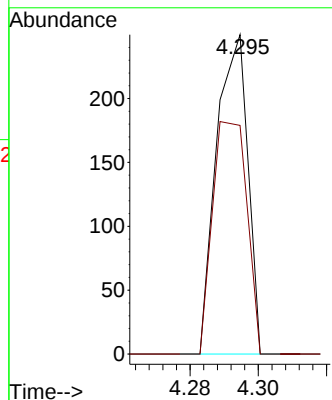
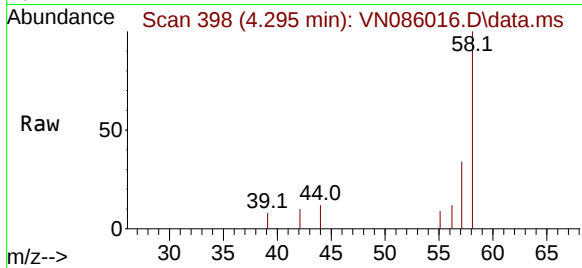
1-CONCRETE-SLAB

Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

56 100

55 80.4 55.1 82.7



#16

Acetone

Concen: 28.331 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN086016.D

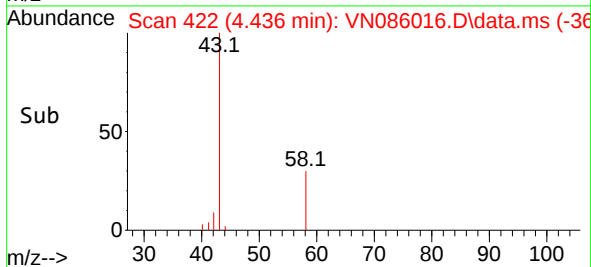
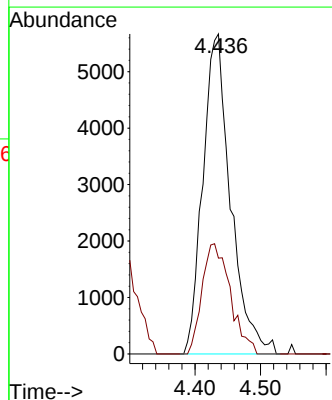
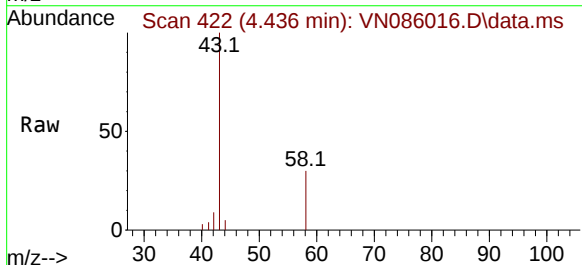
Acq: 19 Mar 2025 18:03

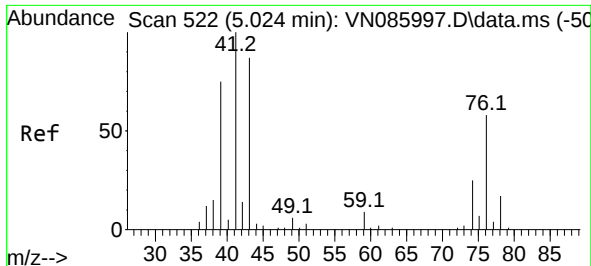
Tgt Ion: 43 Resp: 16659

Ion Ratio Lower Upper

43 100

58 30.0 29.4 44.2

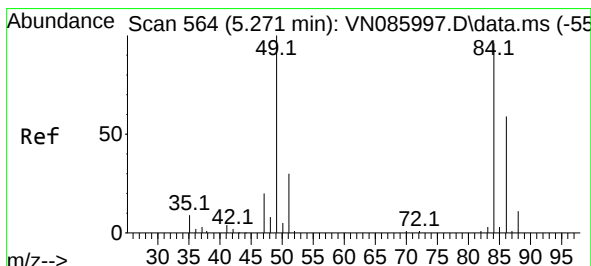
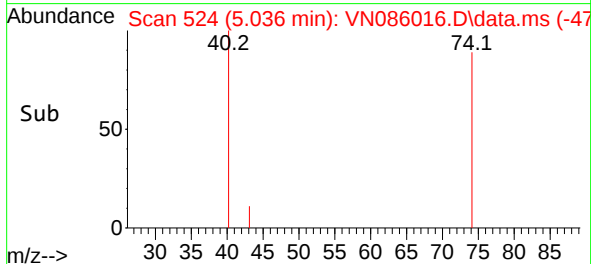
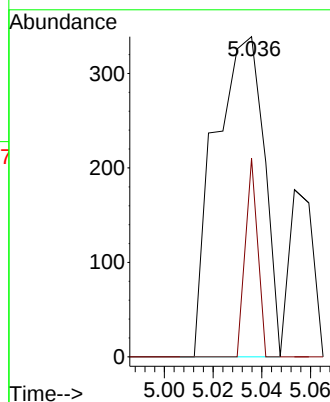
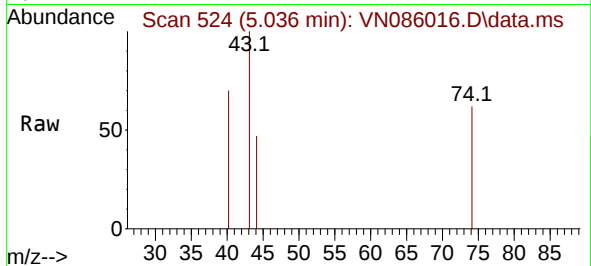




#18
Methyl Acetate
Concen: 0.326 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086016.D
Acq: 19 Mar 2025 18:03

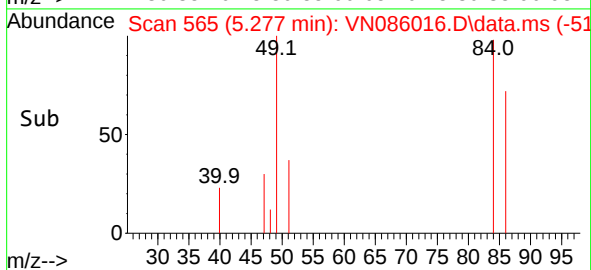
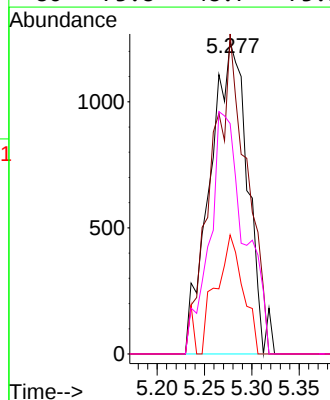
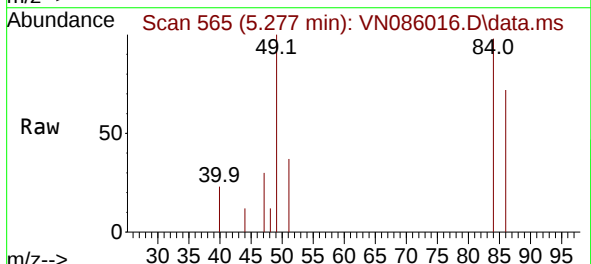
Instrument :
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ClientSampleId :
1-CONCRETE-SLAB

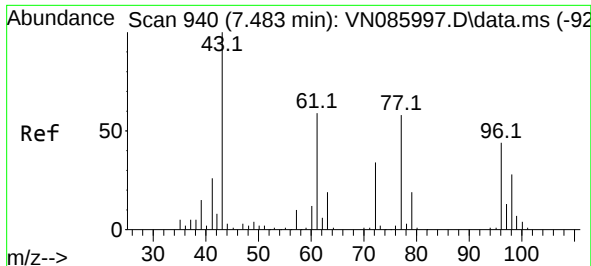
Tgt Ion: 43 Resp: 475
Ion Ratio Lower Upper
43 100
74 15.6 23.9 35.9#



#20
Methylene Chloride
Concen: 1.992 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086016.D
Acq: 19 Mar 2025 18:03

Tgt Ion: 84 Resp: 3427
Ion Ratio Lower Upper
84 100
49 102.5 83.3 124.9
51 38.1 24.8 37.2#
86 73.8 48.7 73.1#

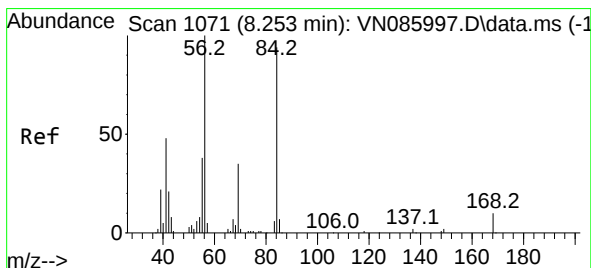
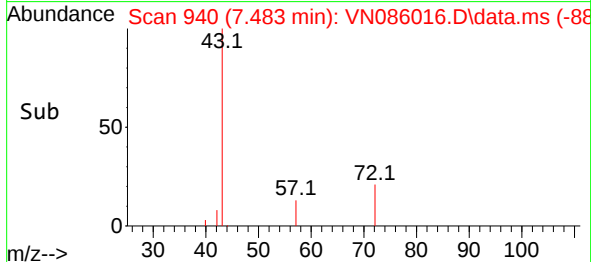
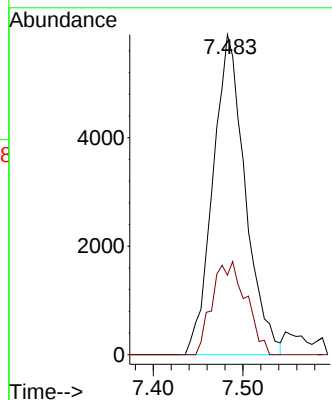
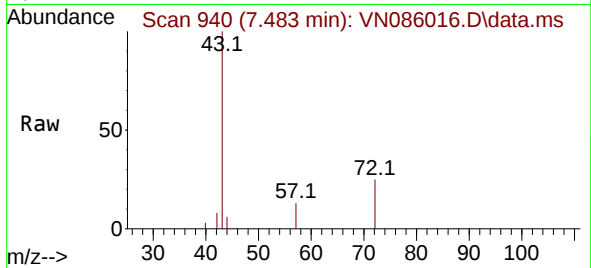




#25
2-Butanone
Concen: 17.377 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086016.D
Acq: 19 Mar 2025 18:03

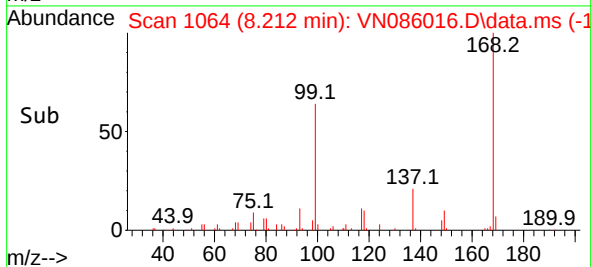
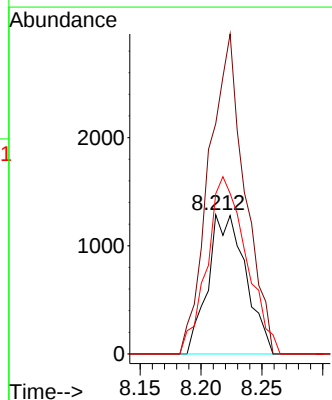
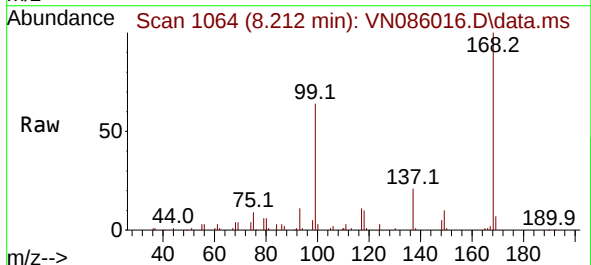
Instrument :
MSVOA_N
ClientSampleId :
1-CONCRETE-SLAB

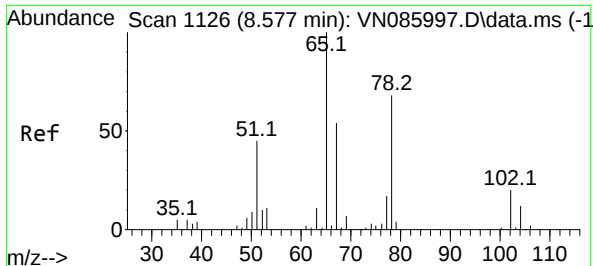
Tgt Ion: 43 Resp: 14744
Ion Ratio Lower Upper
43 100
72 24.9 27.4 41.0#



#31
Cyclohexane
Concen: 1.152 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN086016.D
Acq: 19 Mar 2025 18:03

Tgt Ion: 56 Resp: 2763
Ion Ratio Lower Upper
56 100
69 165.3 28.0 42.0#
84 115.0 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 54.155 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086016.D

Acq: 19 Mar 2025 18:03

Instrument :

MSVOA_N

ClientSampleId :

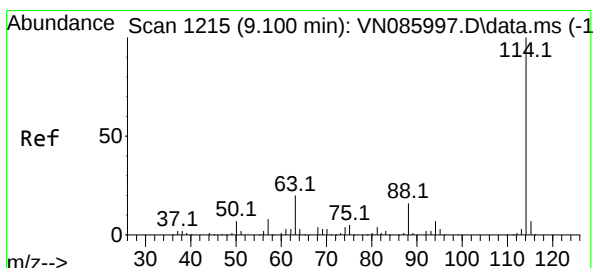
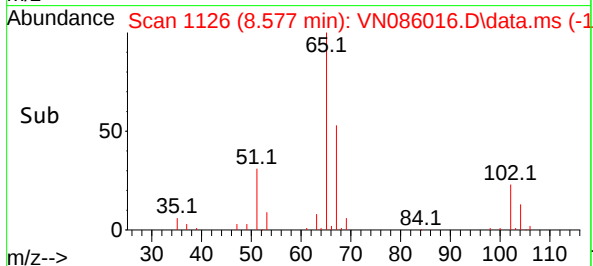
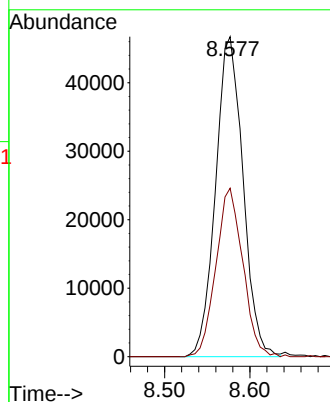
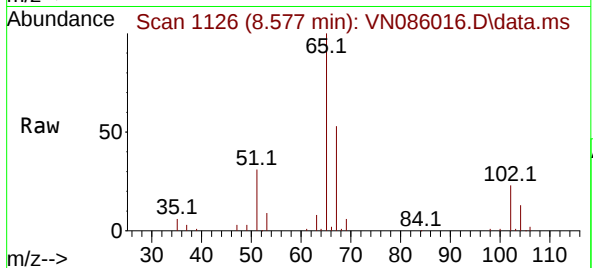
1-CONCRETE-SLAB

Tgt Ion: 65 Resp: 104234

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: VN086016.D

Acq: 19 Mar 2025 18:03

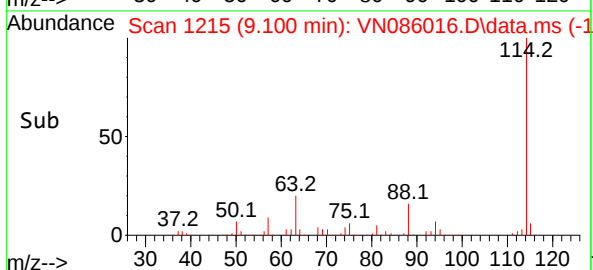
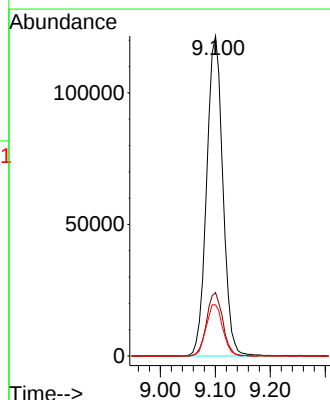
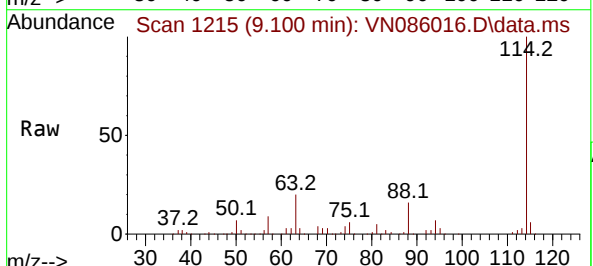
Tgt Ion: 114 Resp: 248810

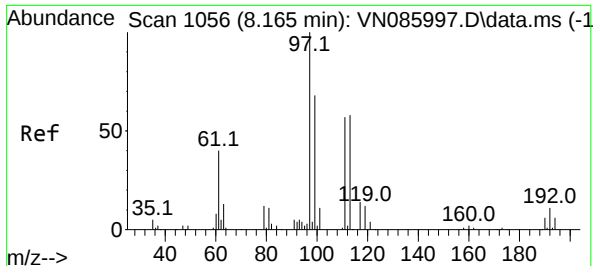
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 16.0 0.0 32.6

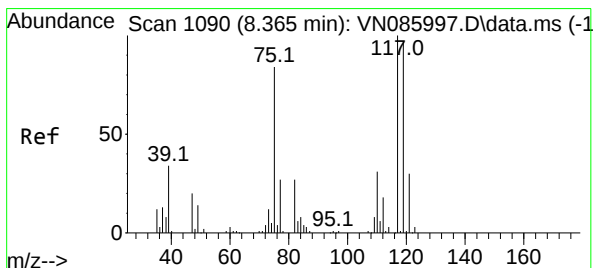
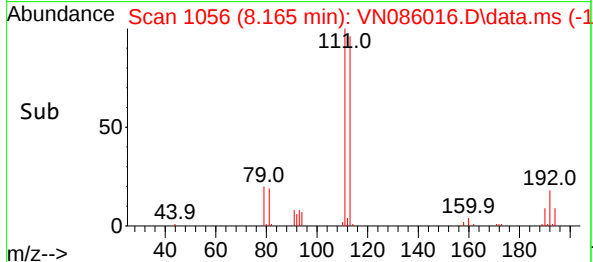
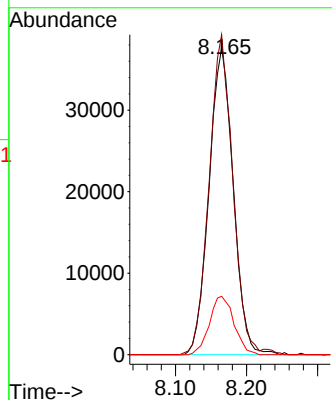
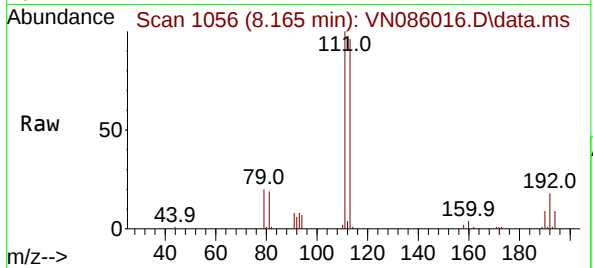




#35
Dibromofluoromethane
Concen: 51.187 ug/l
RT: 8.165 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086016.D
Acq: 19 Mar 2025 18:03

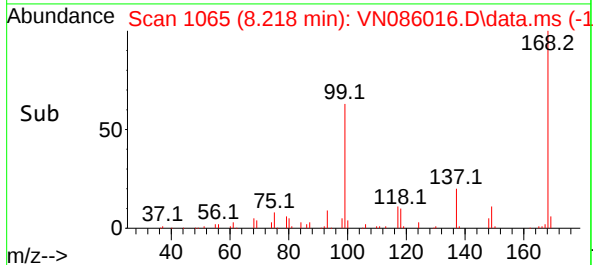
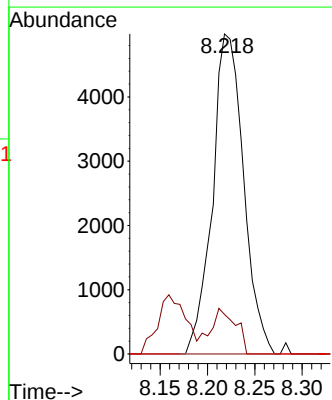
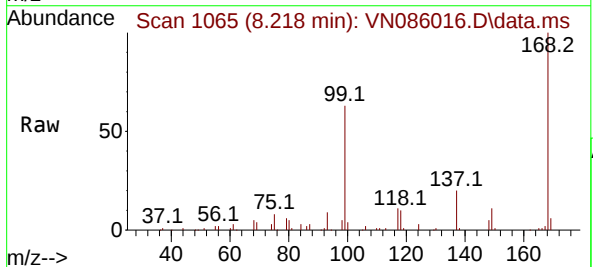
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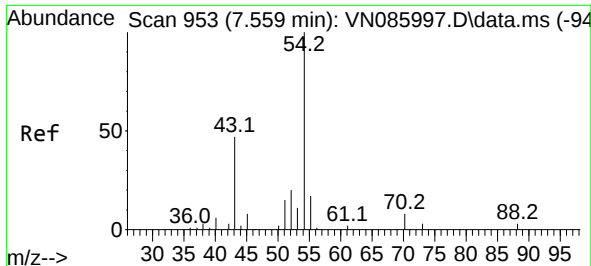
Tgt Ion:113 Resp: 88894
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 19.3 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.976 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086016.D
Acq: 19 Mar 2025 18:03

Tgt Ion: 75 Resp: 11380
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 7.643 ug/l

RT: 7.483 min Scan# 94

Delta R.T. -0.077 min

Lab File: VN086016.D

Acq: 19 Mar 2025 18:03

Instrument :

MSVOA_N

ClientSampleId :

1-CONCRETE-SLAB

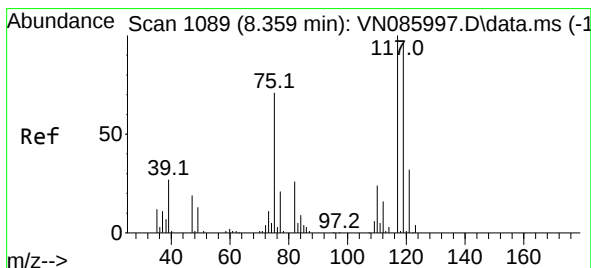
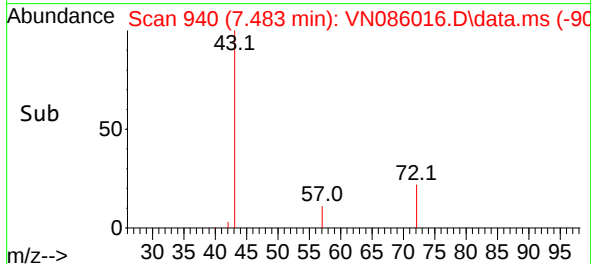
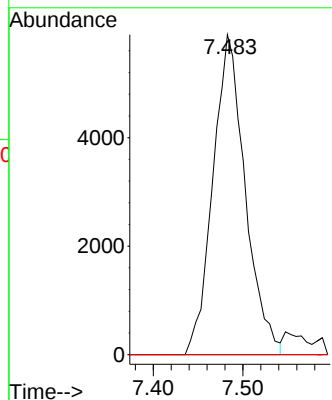
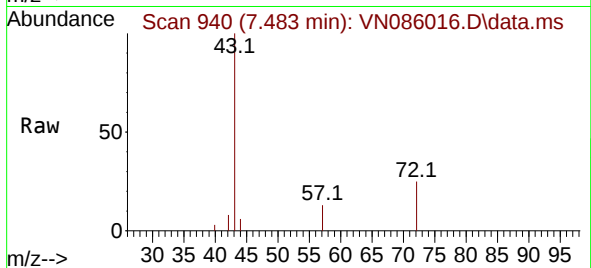
Tgt Ion: 43 Resp: 14744

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 11.0 16.6#



#38

Carbon Tetrachloride

Concen: 5.206 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086016.D

Acq: 19 Mar 2025 18:03

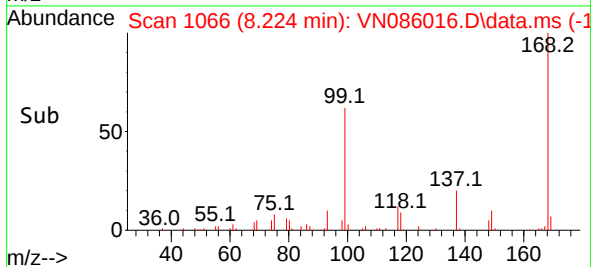
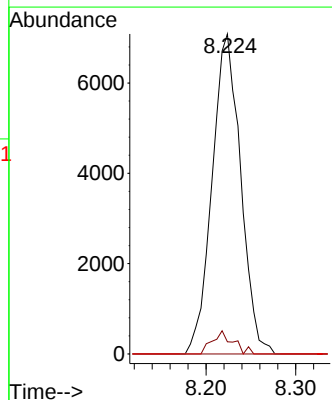
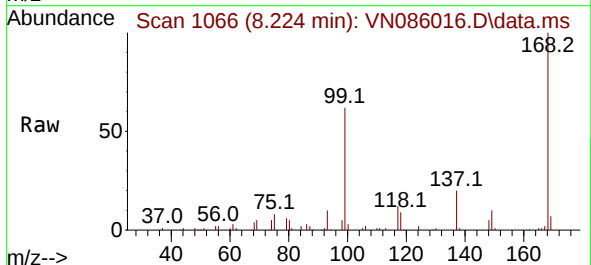
Tgt Ion: 117 Resp: 15653

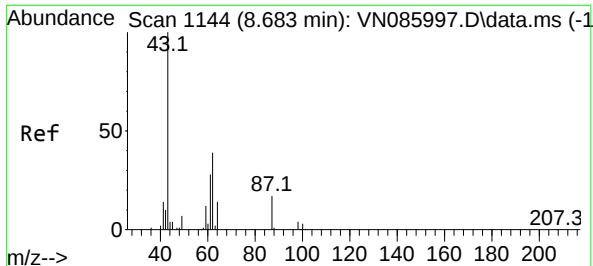
Ion Ratio Lower Upper

117 100

119 3.8 77.0 115.4#

121 0.0 25.6 38.4#





#43

Isopropyl Acetate

Concen: 10.716 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN086016.D

Acq: 19 Mar 2025 18:03

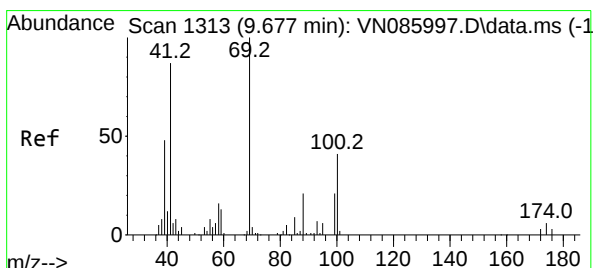
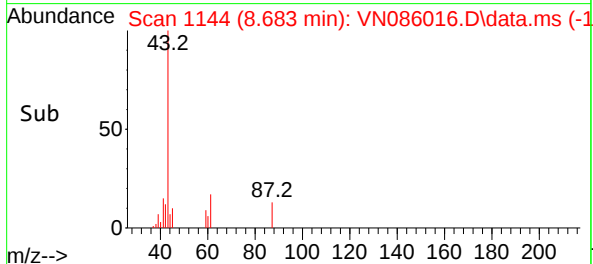
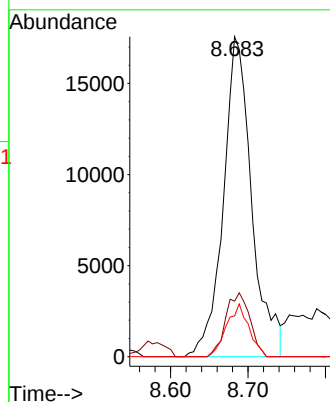
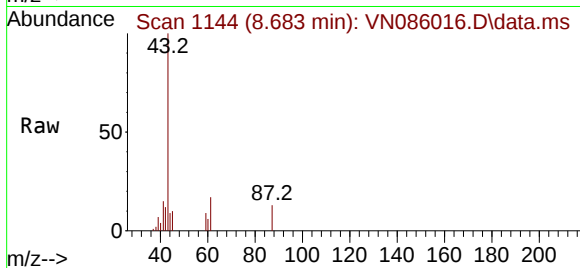
Instrument :

MSVOA_N

ClientSampleId :

1-CONCRETE-SLAB

Tgt Ion:	43	Resp:	44800
Ion	Ratio	Lower	Upper
43	100		
61	17.0	25.0	37.6#
87	12.9	13.0	19.4#



#48

Methyl methacrylate

Concen: 2.120 ug/l

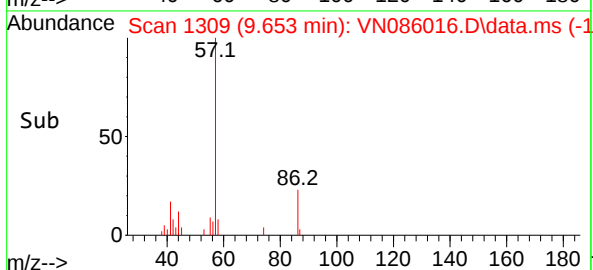
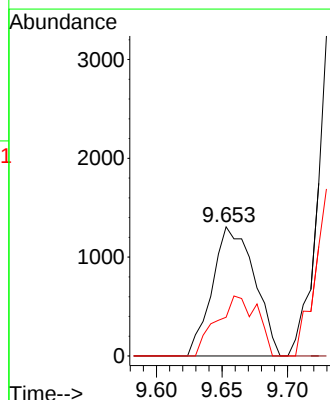
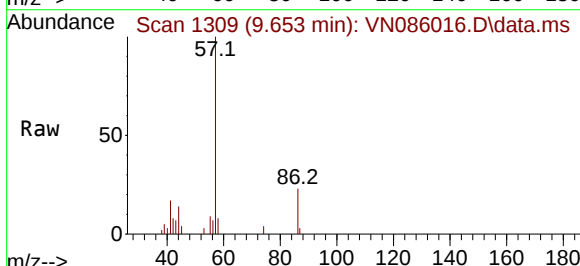
RT: 9.653 min Scan# 1309

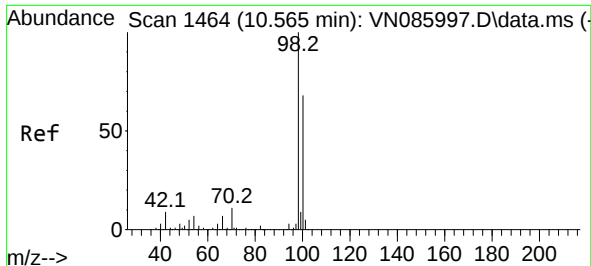
Delta R.T. -0.024 min

Lab File: VN086016.D

Acq: 19 Mar 2025 18:03

Tgt Ion:	41	Resp:	2925
Ion	Ratio	Lower	Upper
41	100		
69	0.0	83.1	124.7#
39	44.4	45.6	68.4#

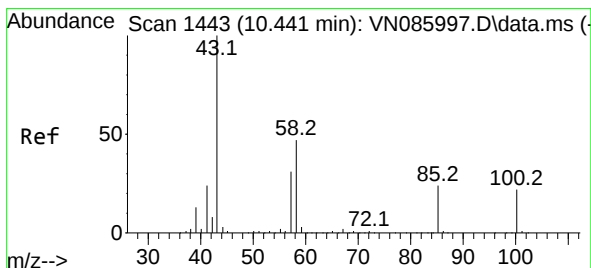
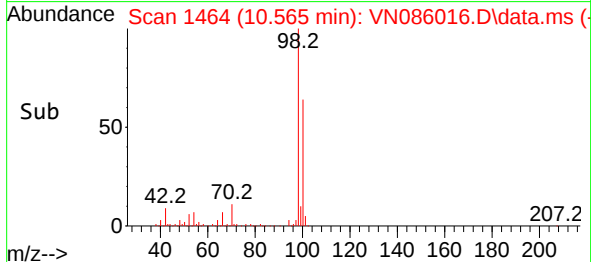
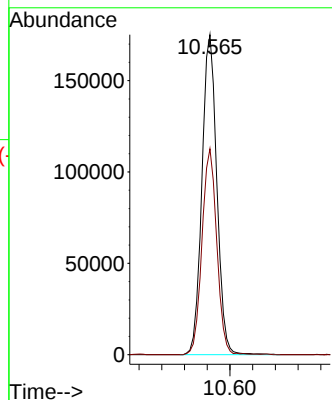
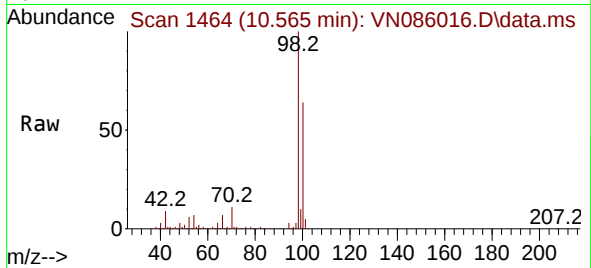




#50
Toluene-d8
Concen: 50.470 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086016.D
Acq: 19 Mar 2025 18:03

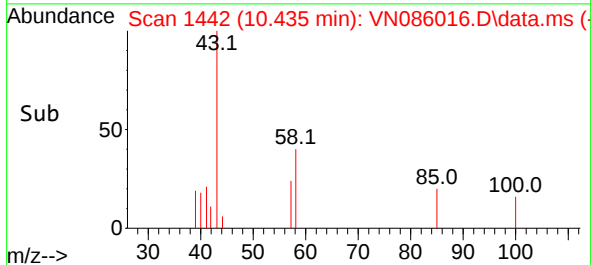
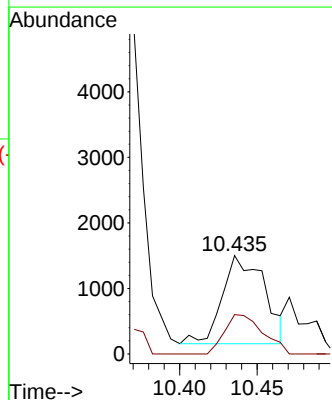
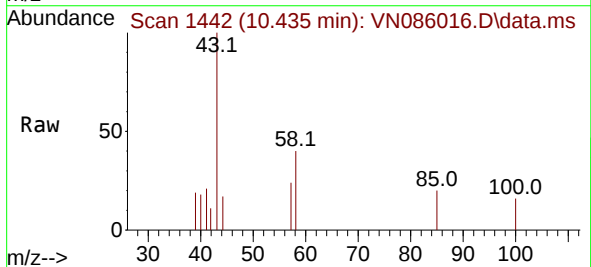
Instrument :
MSVOA_N
ClientSampleId :
1-CONCRETE-SLAB

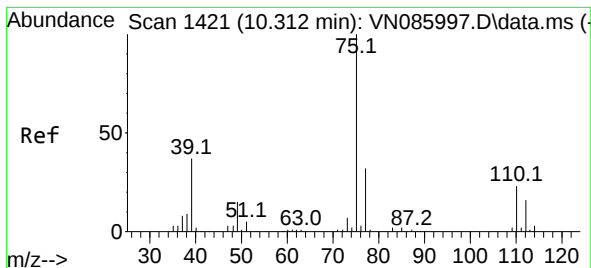
Tgt Ion: 98 Resp: 318109
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.374 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN086016.D
Acq: 19 Mar 2025 18:03

Tgt Ion: 43 Resp: 2534
Ion Ratio Lower Upper
43 100
58 40.8 37.4 56.0

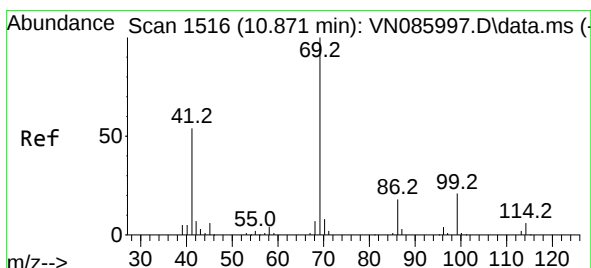
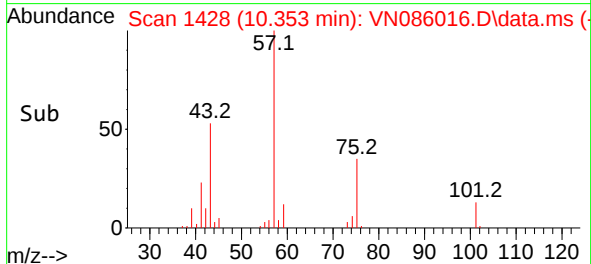
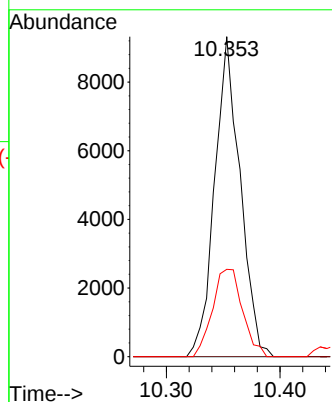
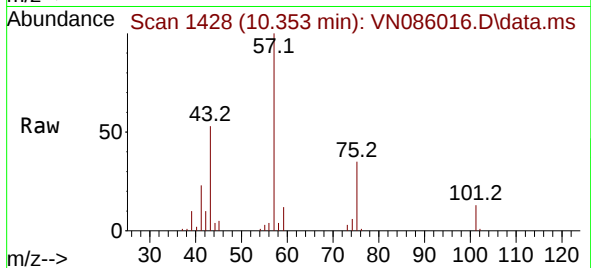




#54
 cis-1,3-Dichloropropene
 Concen: 5.276 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN086016.D
 Acq: 19 Mar 2025 18:03

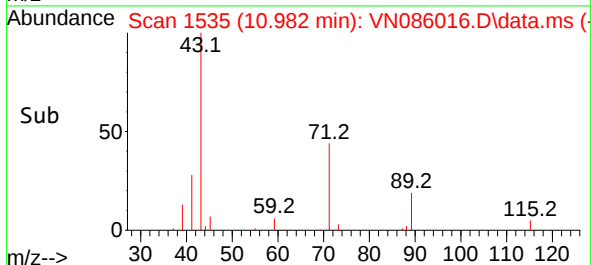
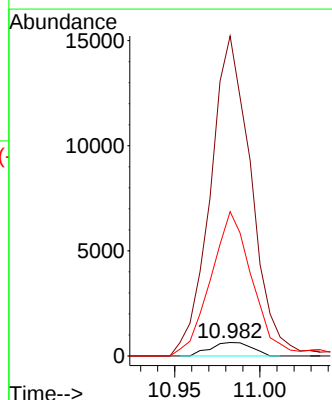
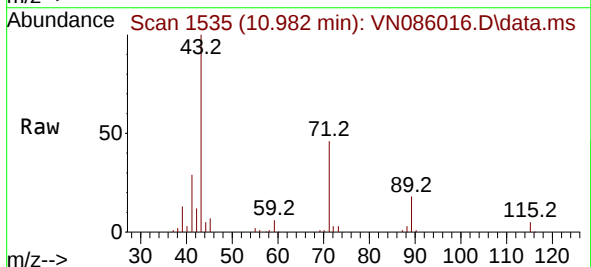
Instrument :
 MSVOA_N
 ClientSampleId :
 1-CONCRETE-SLAB

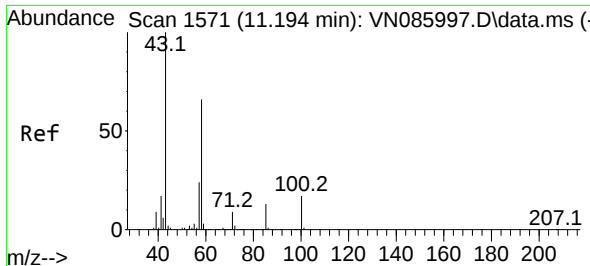
Tgt Ion: 75 Resp: 14507
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 27.3 29.6 44.4#



#56
 Ethyl methacrylate
 Concen: 0.700 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN086016.D
 Acq: 19 Mar 2025 18:03

Tgt Ion: 69 Resp: 1086
 Ion Ratio Lower Upper
 69 100
 41 2341.4 41.6 62.4#
 39 1070.9 21.8 32.8#

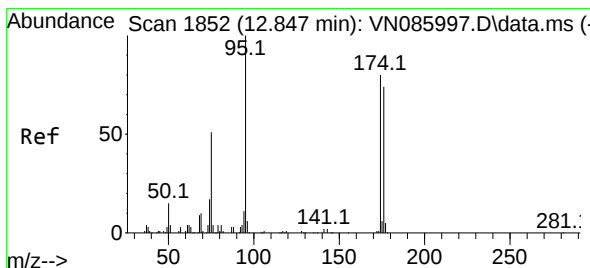
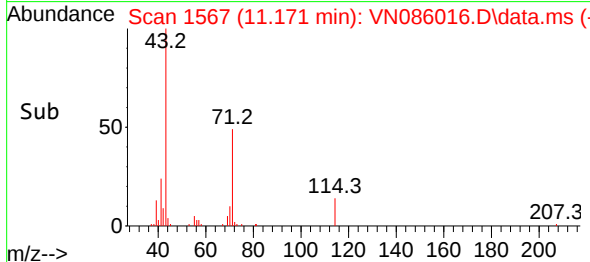
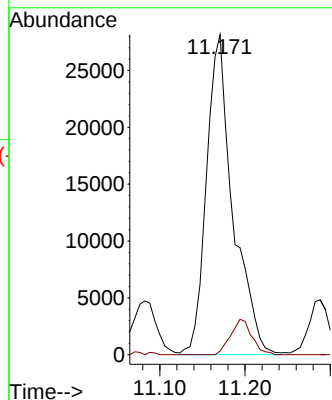
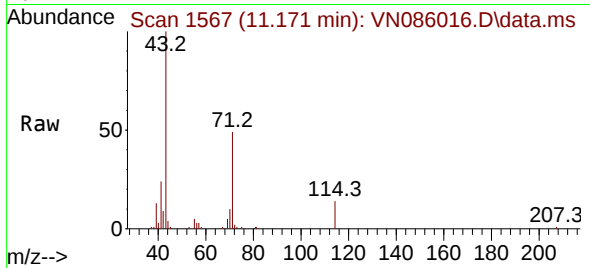




#59
2-Hexanone
Concen: 45.229 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN086016.D
Acq: 19 Mar 2025 18:03

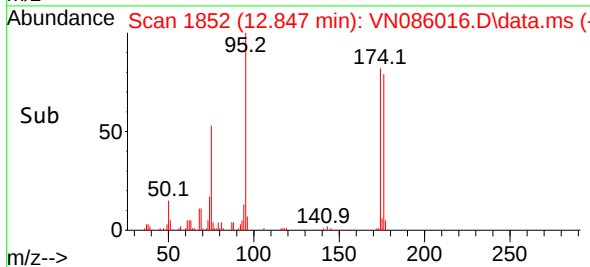
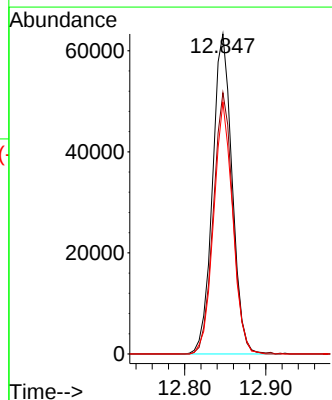
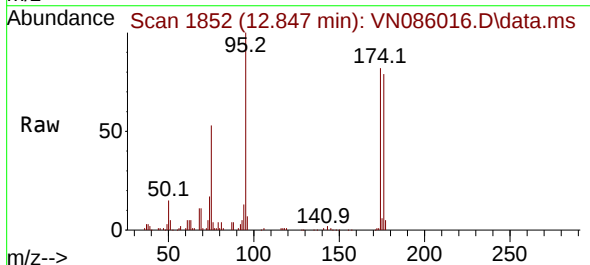
Instrument :
MSVOA_N
ClientSampleId :
1-CONCRETE-SLAB

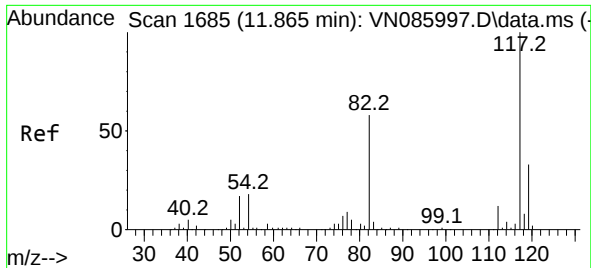
Tgt Ion: 43 Resp: 60747
Ion Ratio Lower Upper
43 100
58 0.0 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 47.214 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086016.D
Acq: 19 Mar 2025 18:03

Tgt Ion: 95 Resp: 106127
Ion Ratio Lower Upper
95 100
174 81.6 0.0 156.8
176 76.5 0.0 152.2

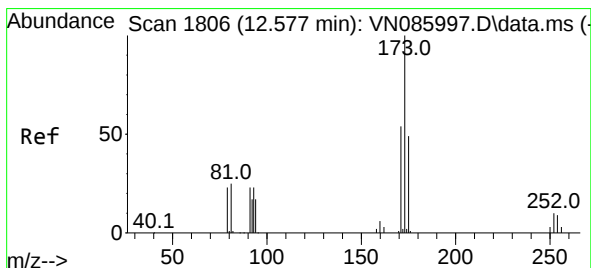
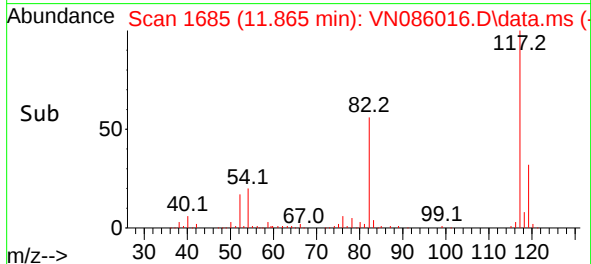
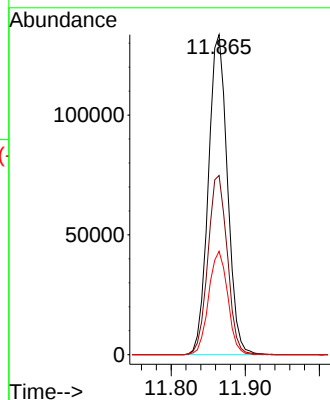
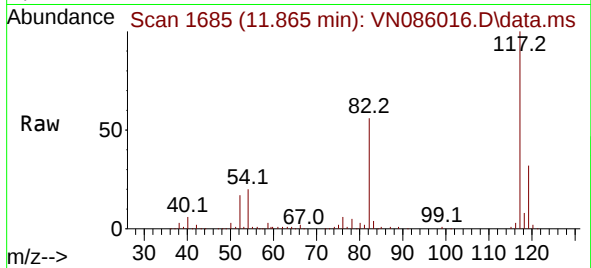




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086016.D
Acq: 19 Mar 2025 18:03

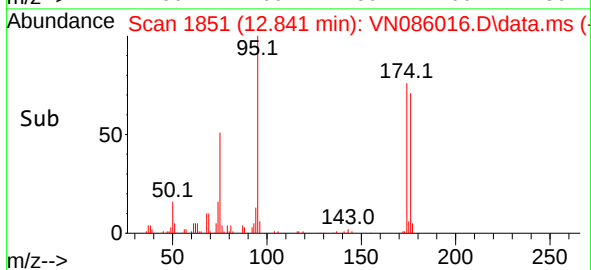
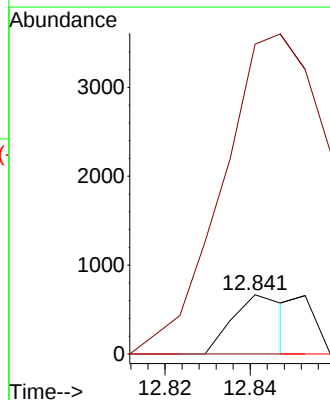
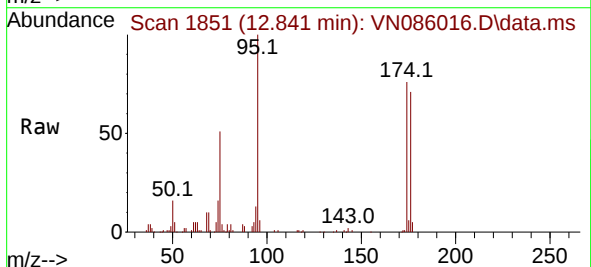
Instrument :
MSVOA_N
ClientSampleId :
1-CONCRETE-SLAB

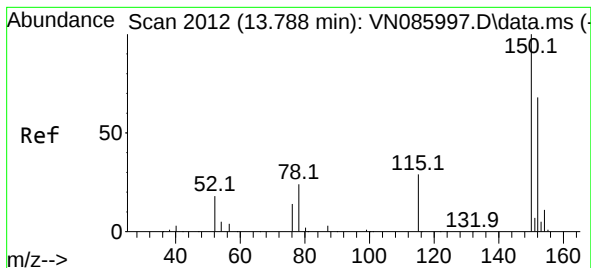
Tgt Ion:117 Resp: 239173
Ion Ratio Lower Upper
117 100
82 56.0 46.7 70.1
119 32.3 26.5 39.7



#71
Bromoform
Concen: 0.335 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086016.D
Acq: 19 Mar 2025 18:03

Tgt Ion:173 Resp: 570
Ion Ratio Lower Upper
173 100
175 891.1 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# 20

Delta R.T. -0.000 min

Lab File: VN086016.D

Acq: 19 Mar 2025 18:03

Instrument :

MSVOA_N

ClientSampleId :

1-CONCRETE-SLAB

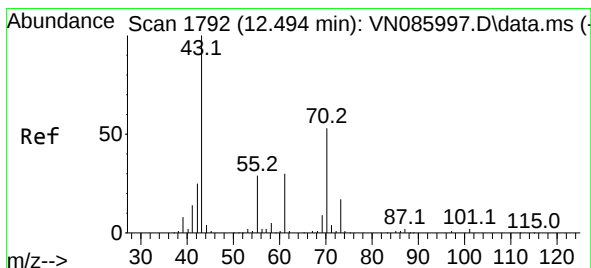
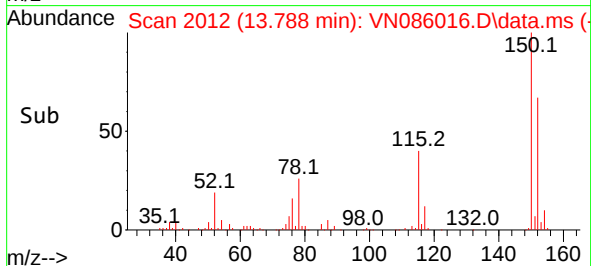
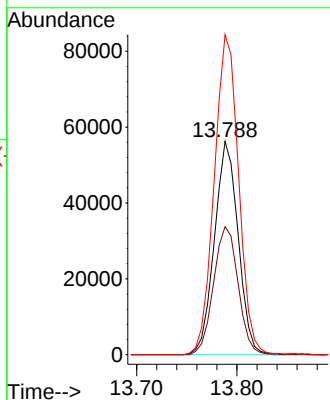
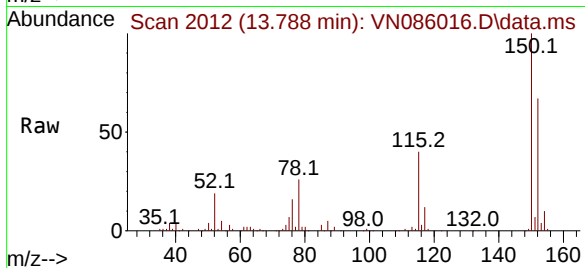
Tgt Ion:152 Resp: 92183

Ion Ratio Lower Upper

152 100

115 62.2 31.1 93.2

150 154.9 0.0 359.6



#74

N-ethyl acetate

Concen: 1.120 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.035 min

Lab File: VN086016.D

Acq: 19 Mar 2025 18:03

Tgt Ion: 43 Resp: 2359

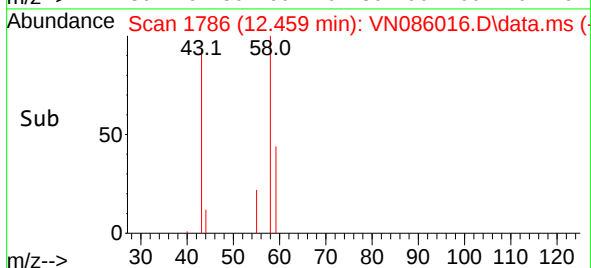
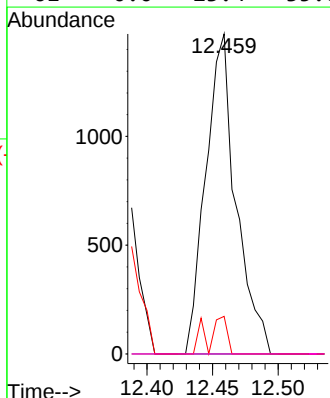
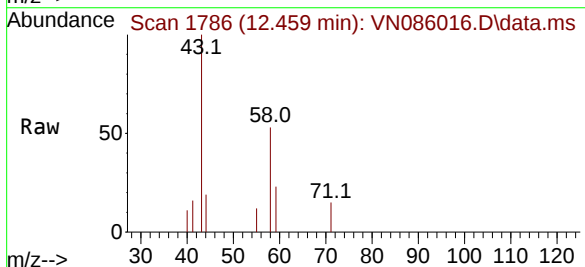
Ion Ratio Lower Upper

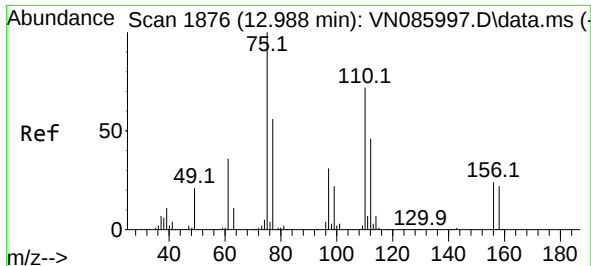
43 100

70 0.0 43.0 64.4#

55 7.4 23.8 35.8#

61 0.0 23.4 35.0#

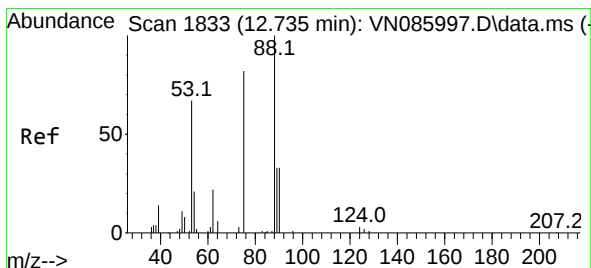
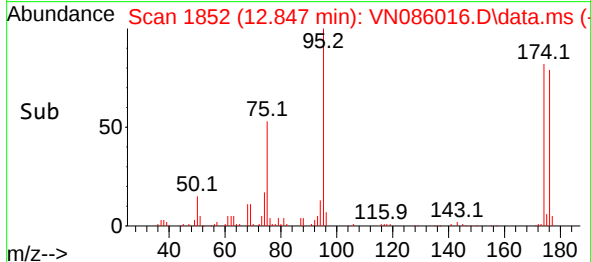
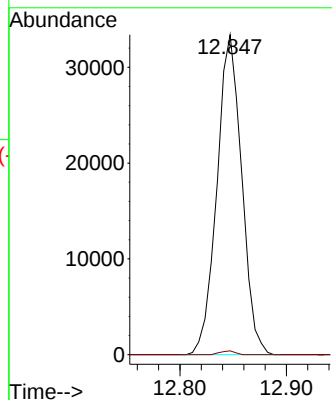
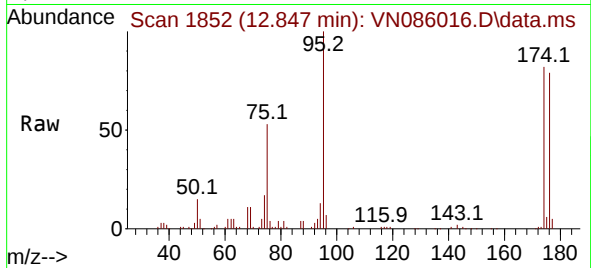




#76
1,2,3-Trichloropropane
Concen: 26.111 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086016.D
Acq: 19 Mar 2025 18:03

Instrument :
MSVOA_N
ClientSampleId :
1-CONCRETE-SLAB

Tgt Ion: 75 Resp: 53888
Ion Ratio Lower Upper
75 100
77 0.7 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.033 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086016.D
Acq: 19 Mar 2025 18:03

Tgt Ion: 75 Resp: 53888
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#

