

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033022\
 Data File : VN071695.D
 Acq On : 31 Mar 2022 06:33
 Operator : JC\MD
 Sample : N2167-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RAIL-PILE-1

Quant Time: Mar 31 07:48:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

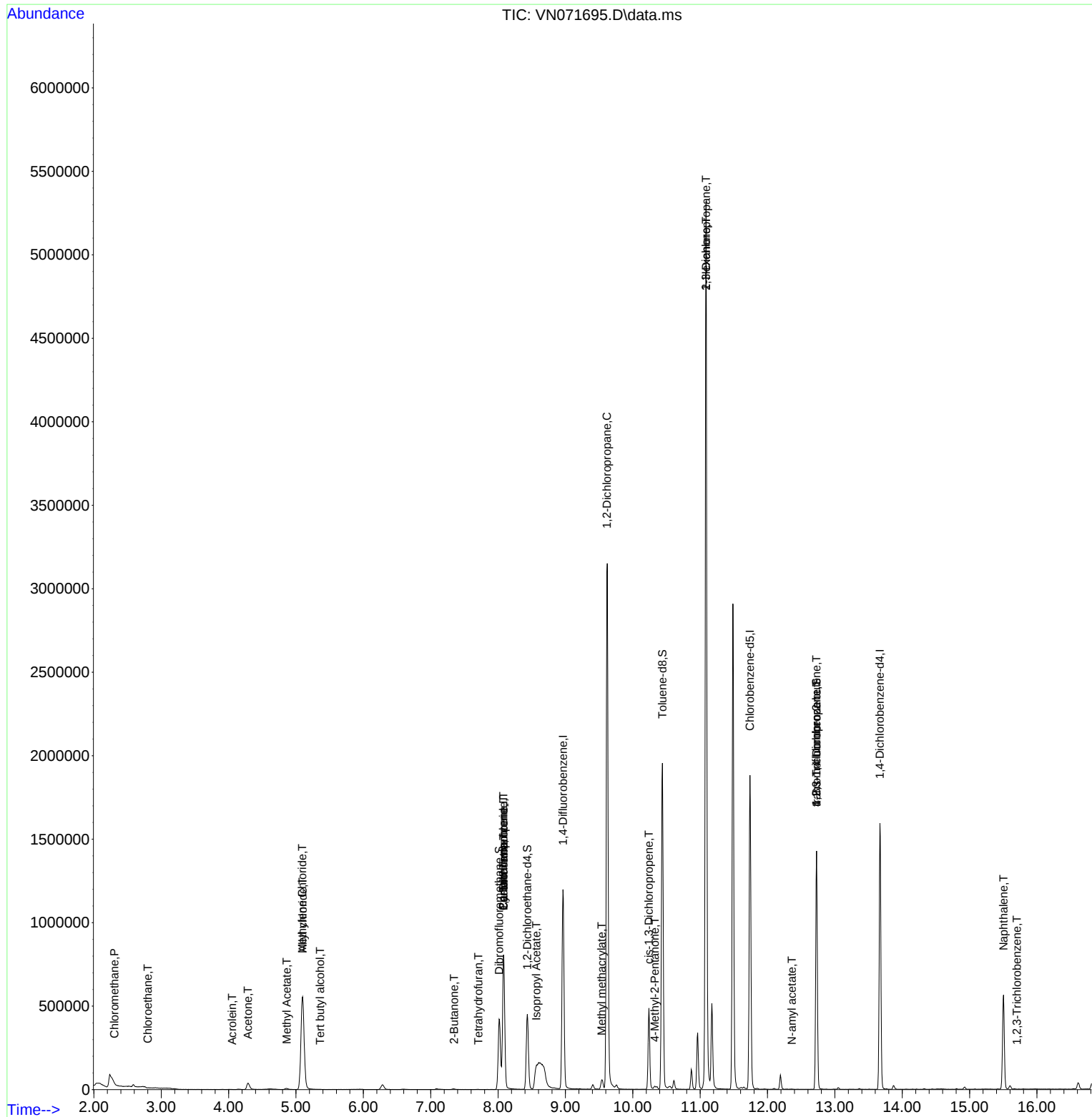
Internal Standards						
1) Pentafluorobenzene	8.081	168	651813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1114016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1158821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	465708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	375173	50.418	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.840%	
35) Dibromofluoromethane	8.016	113	319993	48.814	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.620%	
50) Toluene-d8	10.439	98	1419049	52.917	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.840%	
62) 4-Bromofluorobenzene	12.727	95	502439	57.932	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 115.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	2231	0.340	ug/l #	81
6) Chloroethane	2.799	64	1537	0.296	ug/l #	64
11) Tert butyl alcohol	5.357	59	453	0.375	ug/l #	72
13) Acrolein	4.052	56	577	0.392	ug/l #	40
14) Allyl chloride	5.098	41	13496	1.546	ug/l #	24
16) Acetone	4.287	43	72087	22.668	ug/l	93
18) Methyl Acetate	4.863	43	15313	0.444	ug/l #	88
20) Methylene Chloride	5.093	84	493165	73.575	ug/l	99
25) 2-Butanone	7.345	43	7764	1.694	ug/l	90
29) Tetrahydrofuran	7.710	42	892	0.300	ug/l #	59
31) Cyclohexane	8.081	56	11244	1.111	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	44978	4.913	ug/l #	48
38) Carbon Tetrachloride	8.081	117	59182	6.597	ug/l #	17
43) Isopropyl Acetate	8.569	43	152112	9.127	ug/l #	69
45) 1,2-Dichloropropane	9.616	63	4345	0.601	ug/l #	44
48) Methyl methacrylate	9.539	41	15054	2.177	ug/l #	10
49) 1,4-Dioxane	9.628	88	505	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.328	43	11695	1.221	ug/l	100
54) cis-1,3-Dichloropropene	10.239	75	95084	8.504	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	59077	4.697	ug/l #	42
59) 2-Hexanone	11.086	43	756885	112.195	ug/l #	47
74) N-amyl acetate	12.363	43	3094	0.275	ug/l #	40
76) 1,2,3-Trichloropropane	12.727	75	248041	22.991	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	248041	71.249	ug/l #	10
95) Naphthalene	15.504	128	531839	26.974	ug/l	99
96) 1,2,3-Trichlorobenzene	15.704	180	58	2.422	ug/l #	1

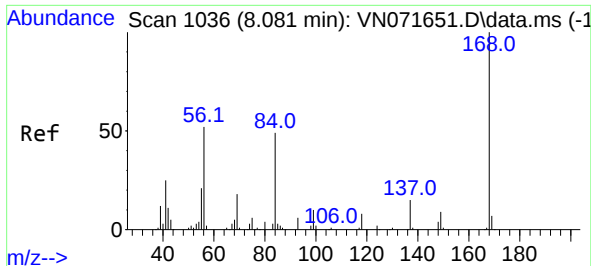
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033022\
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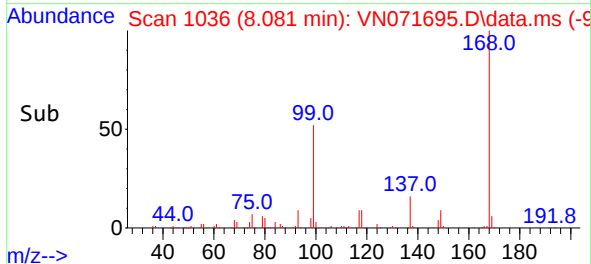
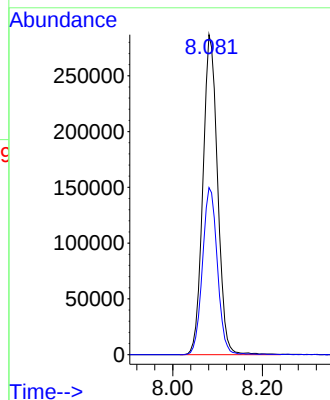
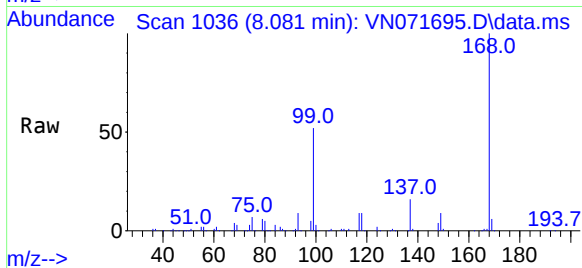




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

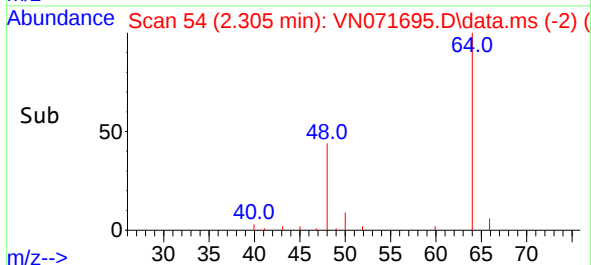
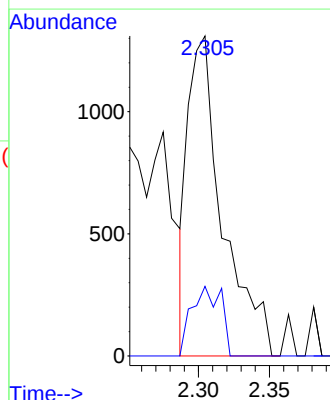
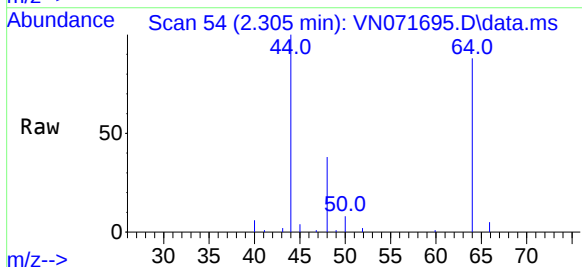
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-1

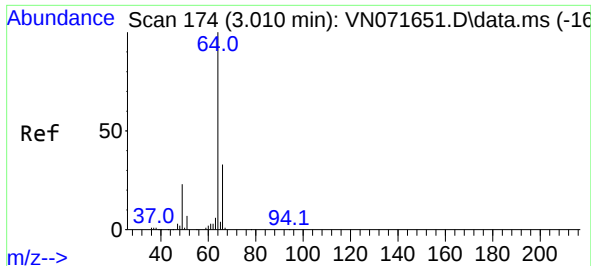
Tgt Ion:168 Resp: 651813
Ion Ratio Lower Upper
168 100
99 52.2 42.3 63.5



#3
Chloromethane
Concen: 0.340 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Tgt Ion: 50 Resp: 2231
Ion Ratio Lower Upper
50 100
52 21.8 25.7 38.5#

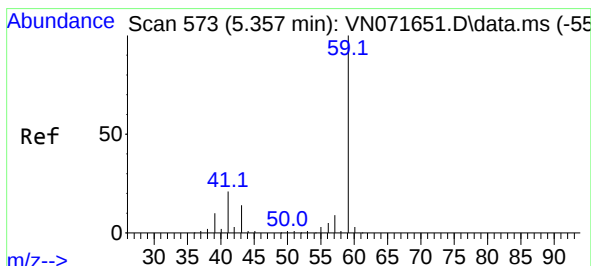
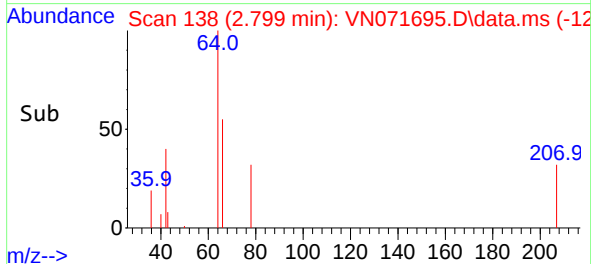
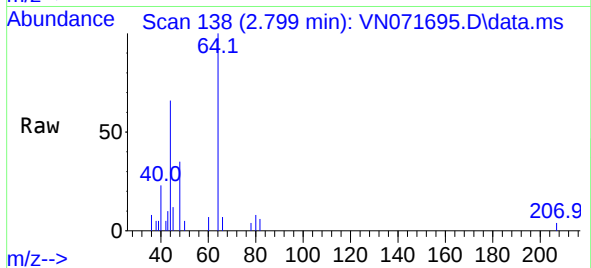




#6
Chloroethane
Concen: 0.296 ug/l
RT: 2.799 min Scan# 11
Delta R.T. -0.211 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

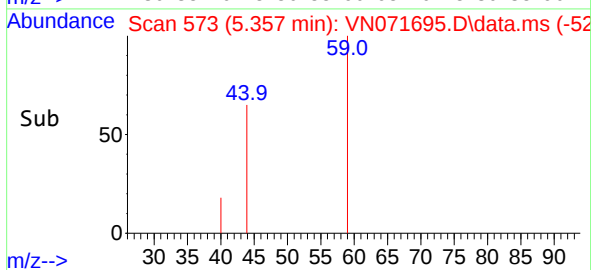
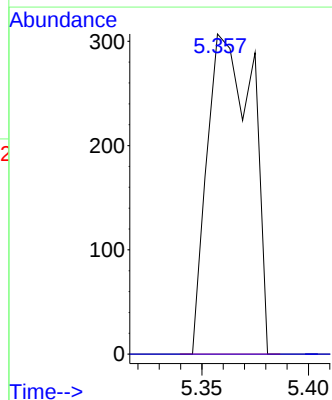
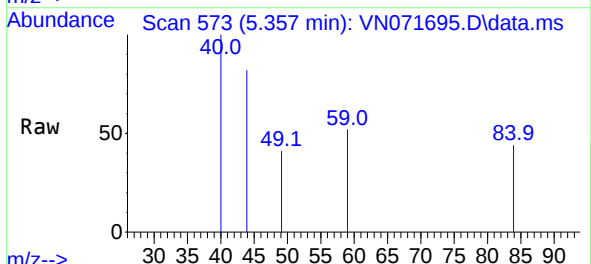
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-1

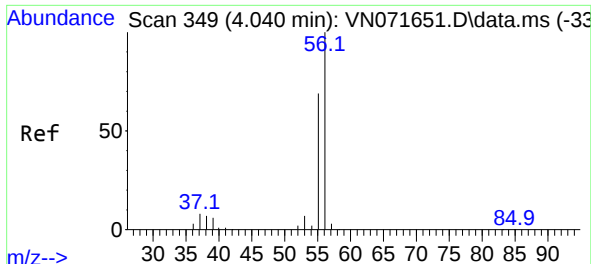
Tgt Ion: 64 Resp: 1537
Ion Ratio Lower Upper
64 100
66 12.8 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.375 ug/l
RT: 5.357 min Scan# 573
Delta R.T. 0.000 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Tgt Ion: 59 Resp: 453
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

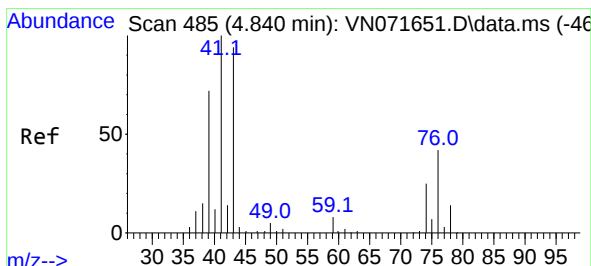
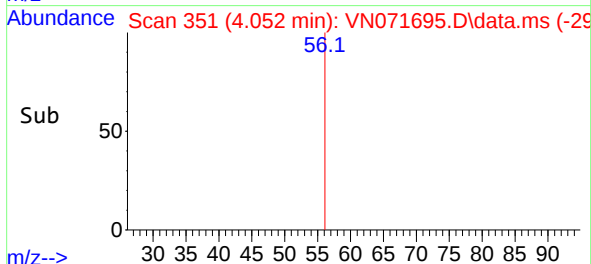
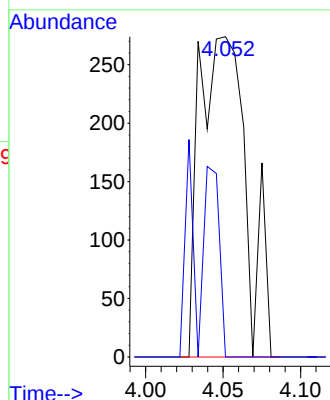
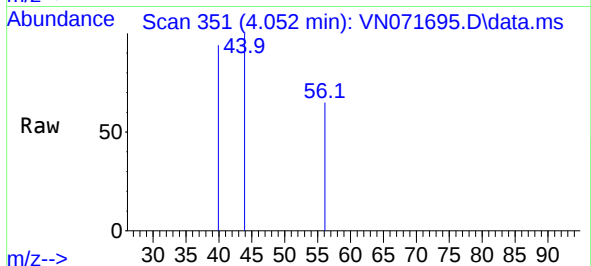




#13
Acrolein
Concen: 0.392 ug/l
RT: 4.052 min Scan# 311
Delta R.T. 0.012 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

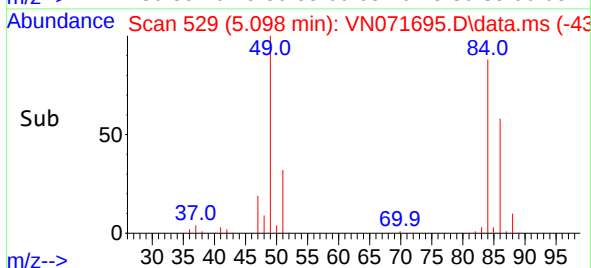
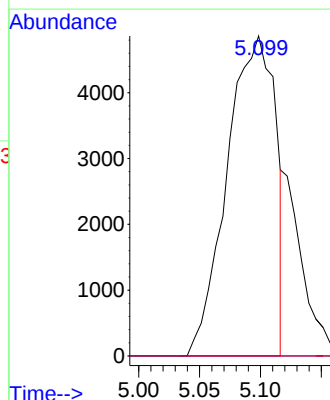
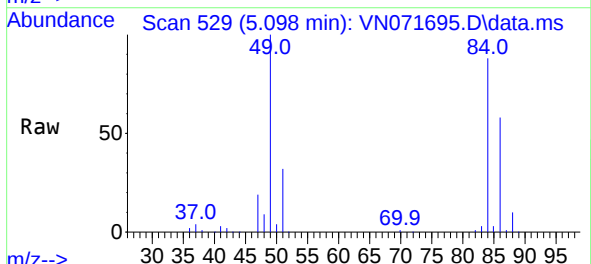
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-1

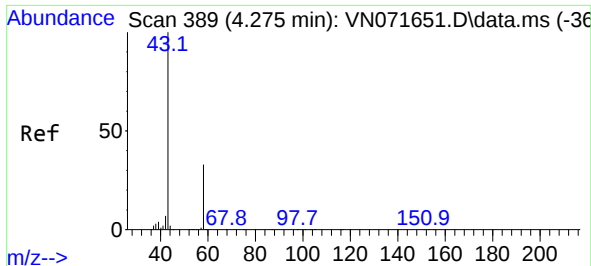
Tgt Ion: 56 Resp: 577
Ion Ratio Lower Upper
56 100
55 19.6 54.8 82.2#



#14
Allyl chloride
Concen: 1.546 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.258 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Tgt Ion: 41 Resp: 13496
Ion Ratio Lower Upper
41 100
39 0.0 53.2 79.8#
76 0.0 29.9 44.9#

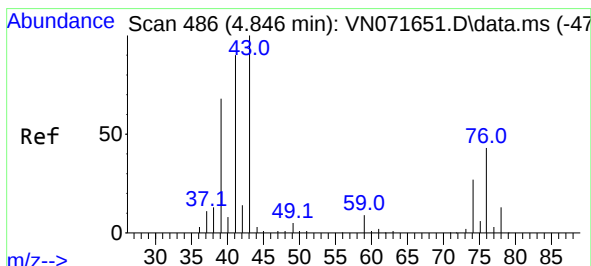
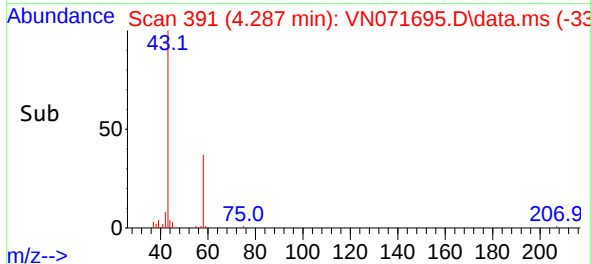
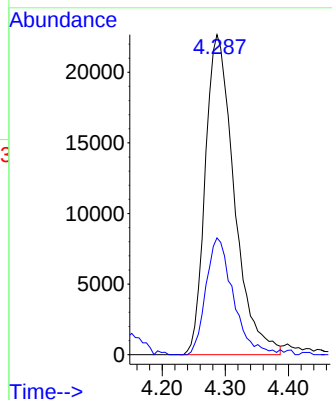
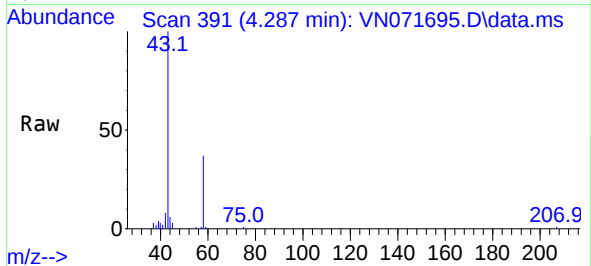




#16
Acetone
Concen: 22.668 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

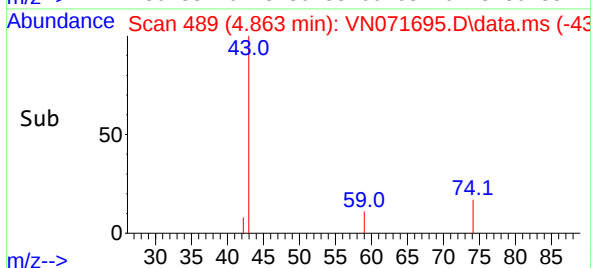
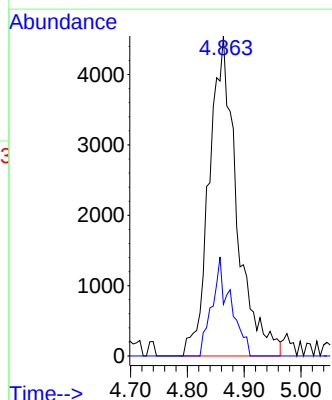
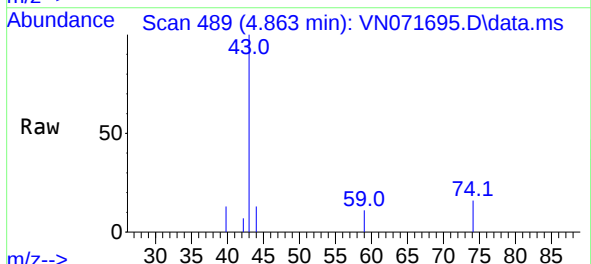
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-1

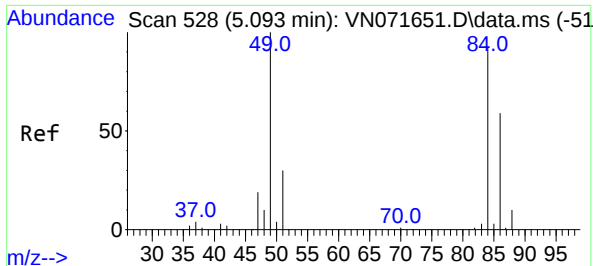
Tgt Ion: 43 Resp: 72087
Ion Ratio Lower Upper
43 100
58 36.5 26.0 39.0



#18
Methyl Acetate
Concen: 0.444 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

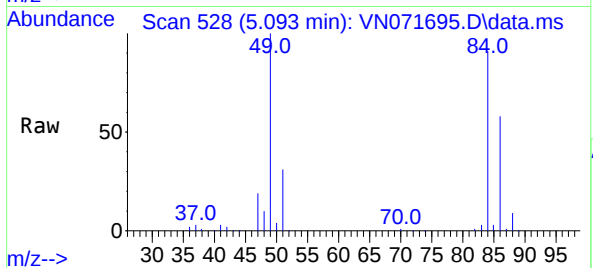
Tgt Ion: 43 Resp: 15313
Ion Ratio Lower Upper
43 100
74 21.0 21.6 32.4#





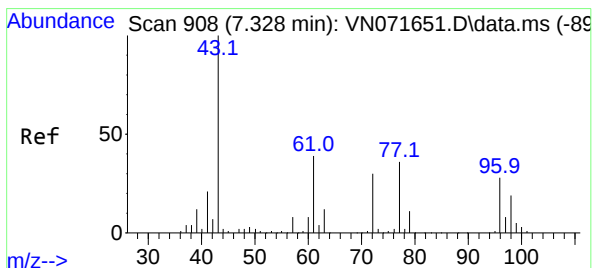
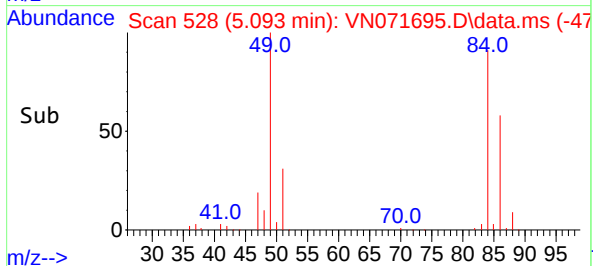
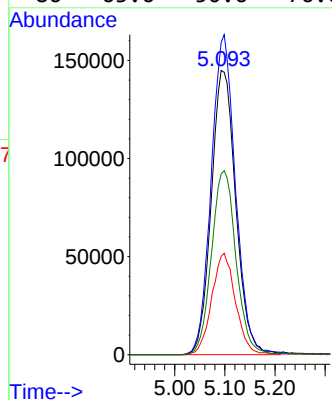
#20
Methylene Chloride
Concen: 73.575 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-1



Tgt Ion: 84 Resp: 493165

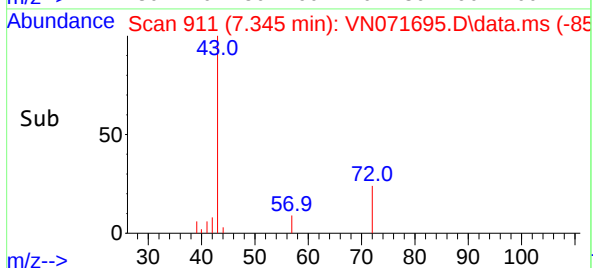
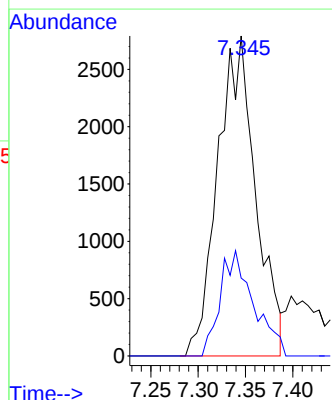
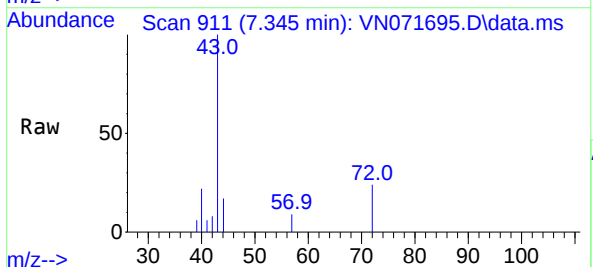
Ion	Ratio	Lower	Upper
84	100		
49	109.8	88.3	132.5
51	34.6	28.2	42.2
86	63.6	50.6	76.0

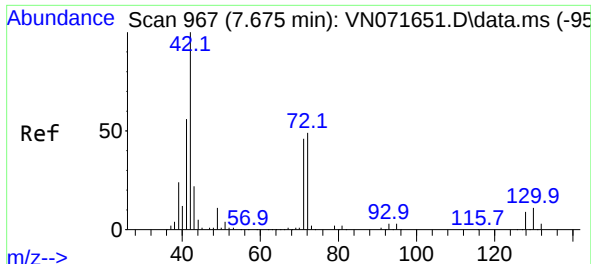


#25
2-Butanone
Concen: 1.694 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Tgt Ion: 43 Resp: 7764

Ion	Ratio	Lower	Upper
43	100		
72	24.4	23.7	35.5

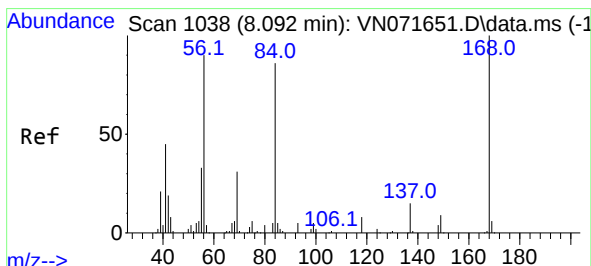
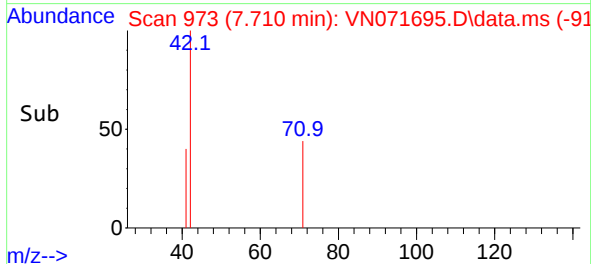
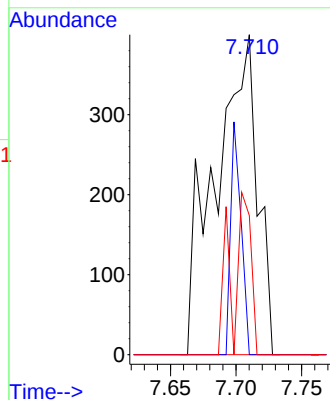
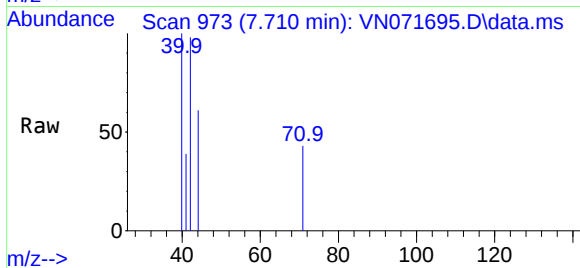




#29
Tetrahydrofuran
Concen: 0.300 ug/l
RT: 7.710 min Scan# 91
Delta R.T. 0.035 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

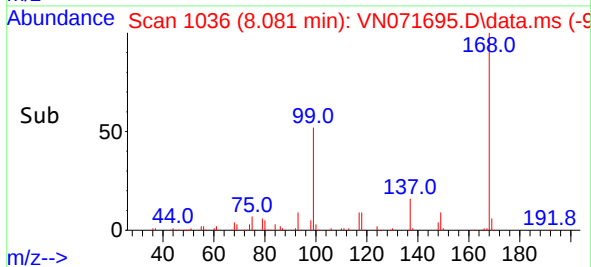
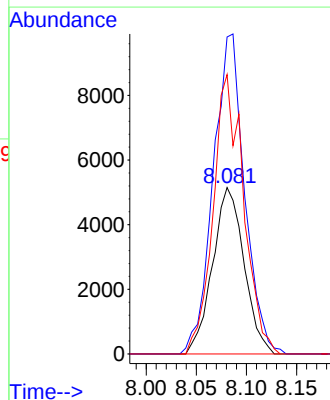
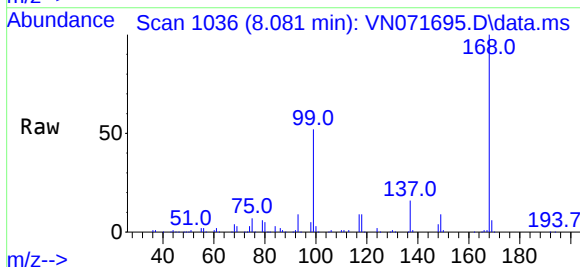
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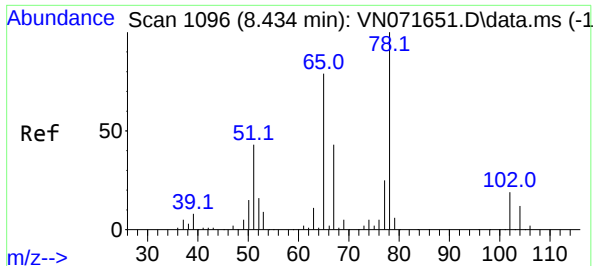
Tgt Ion: 42 Resp: 892
Ion Ratio Lower Upper
42 100
72 17.7 39.7 59.5#
71 22.2 36.6 55.0#



#31
Cyclohexane
Concen: 1.111 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Tgt Ion: 56 Resp: 11244
Ion Ratio Lower Upper
56 100
69 190.5 27.8 41.8#
84 167.9 76.9 115.3#

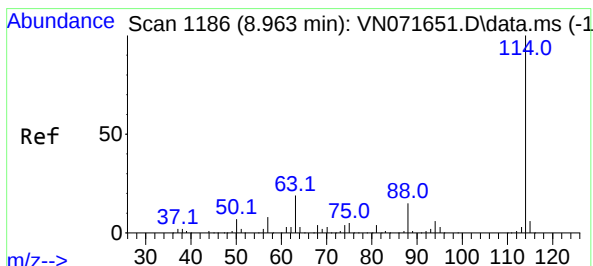
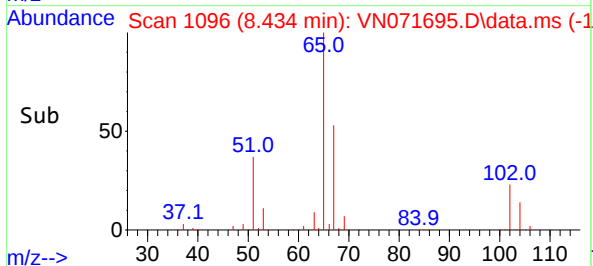
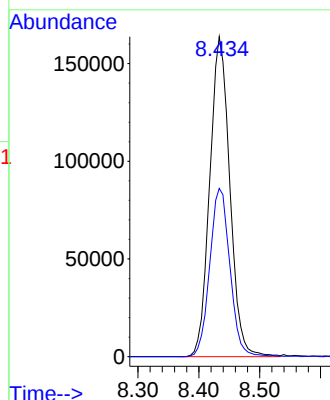
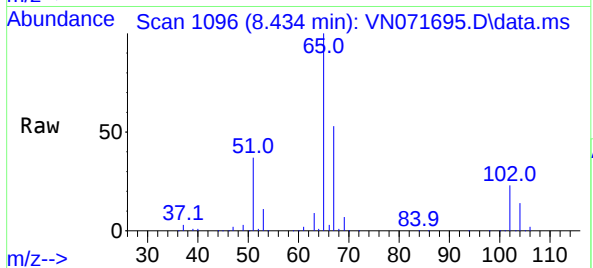




#33
1,2-Dichloroethane-d4
Concen: 50.418 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

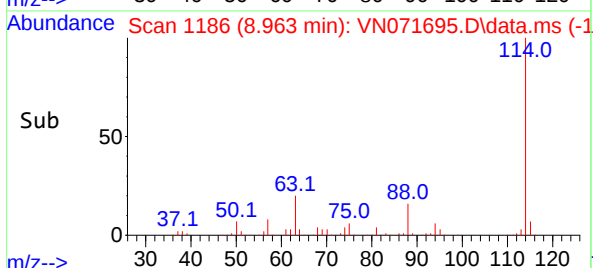
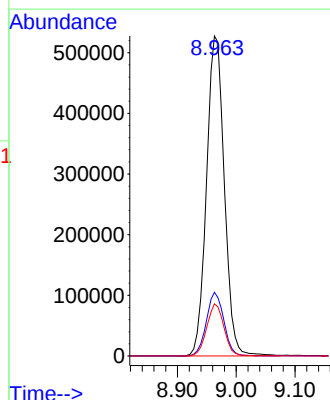
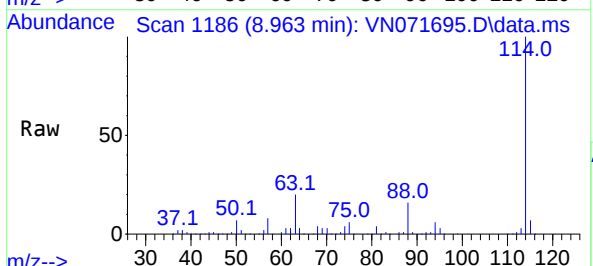
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-1

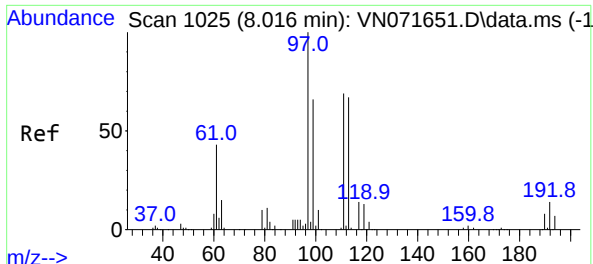
Tgt Ion: 65 Resp: 375173
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Tgt Ion:114 Resp: 1114016
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.0
88 16.3 0.0 32.6

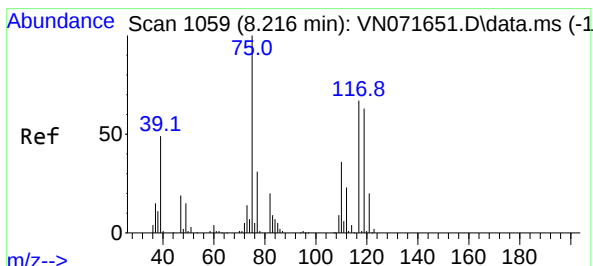
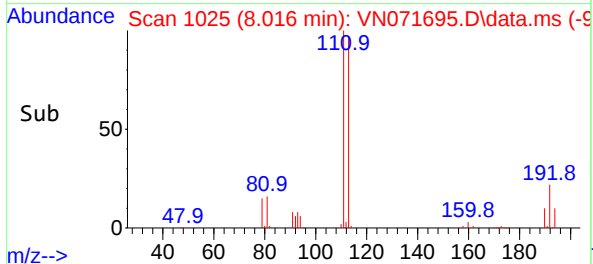
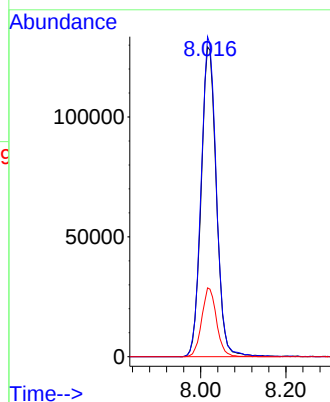
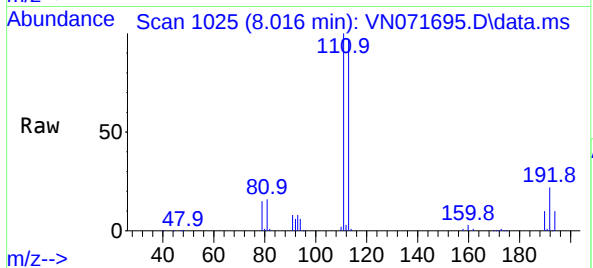




#35
Dibromofluoromethane
Concen: 48.814 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

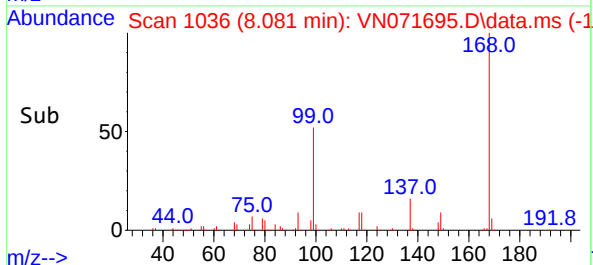
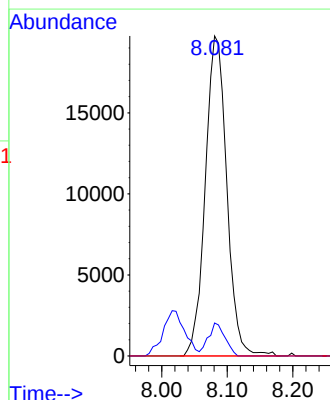
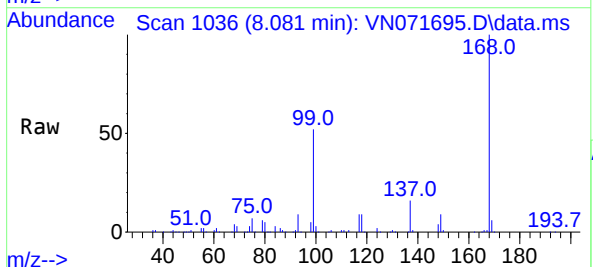
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-1

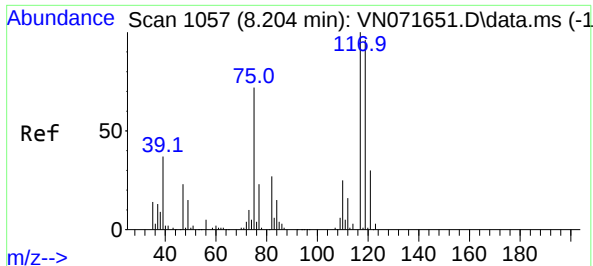
Tgt Ion:113 Resp: 319993
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.0
192 21.6 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.913 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Tgt Ion: 75 Resp: 44978
Ion Ratio Lower Upper
75 100
110 7.9 18.3 54.8#
77 0.0 25.1 37.7#

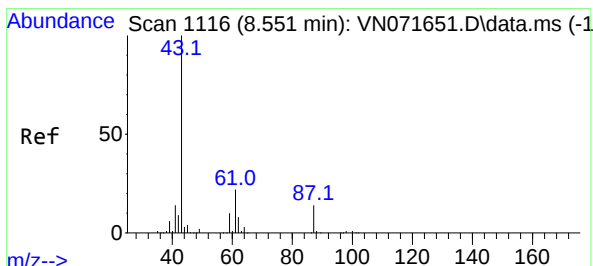
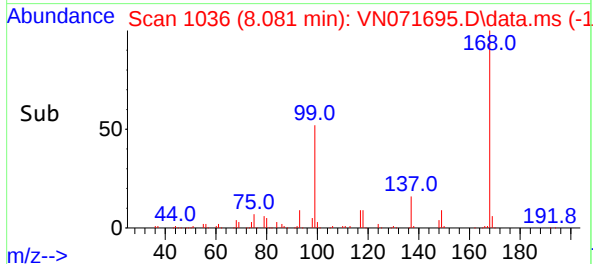
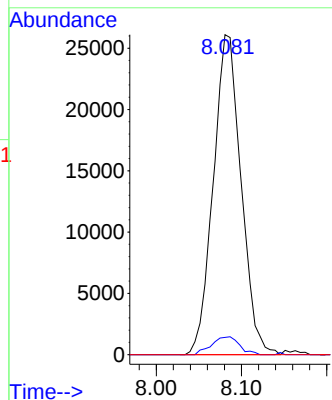
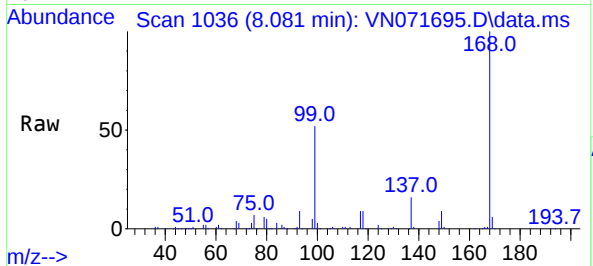




#38
Carbon Tetrachloride
Concen: 6.597 ug/l
RT: 8.081 min Scan# 1119
Delta R.T. -0.123 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

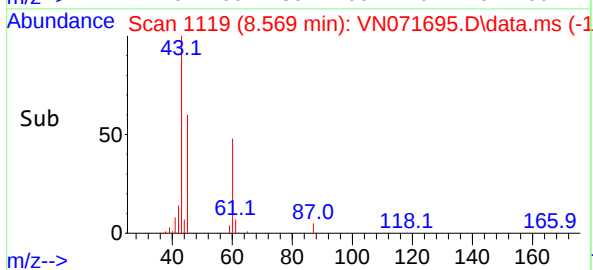
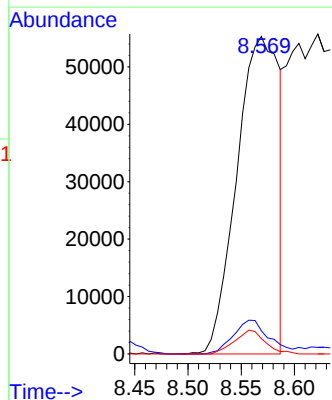
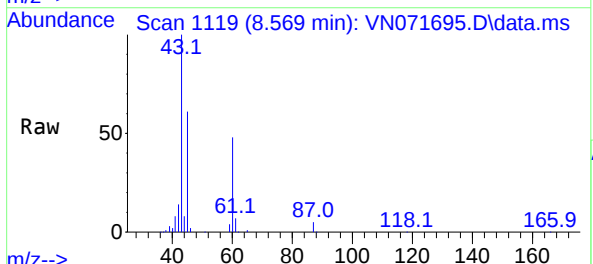
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-1

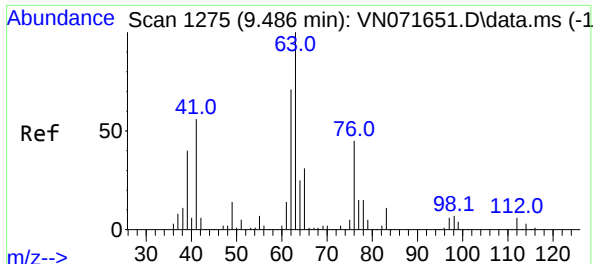
Tgt Ion:117 Resp: 59182
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 9.127 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.018 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Tgt Ion: 43 Resp: 152112
Ion Ratio Lower Upper
43 100
61 9.0 21.9 32.9#
87 5.4 12.0 18.0#

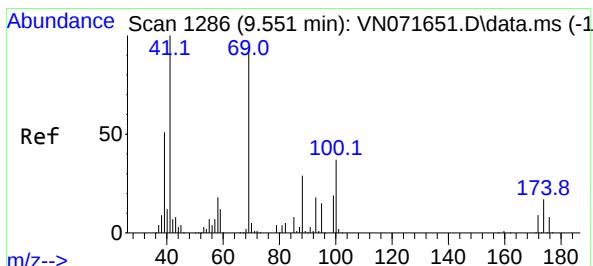
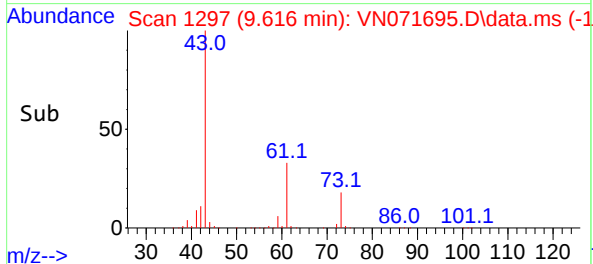
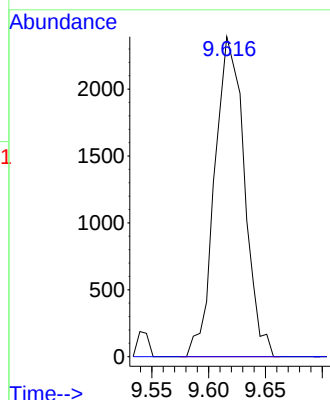
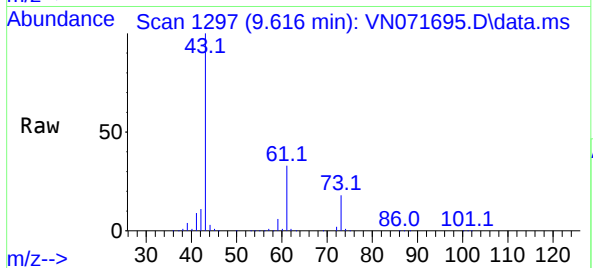




#45
1,2-Dichloropropane
Concen: 0.601 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

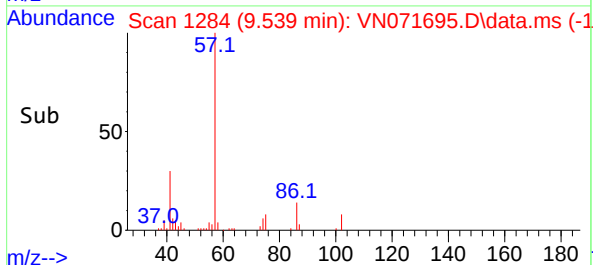
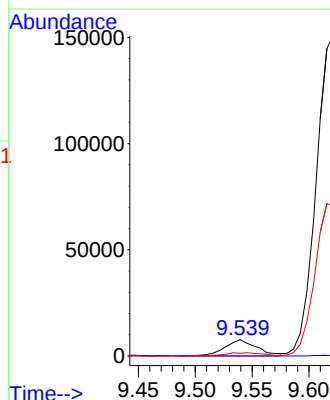
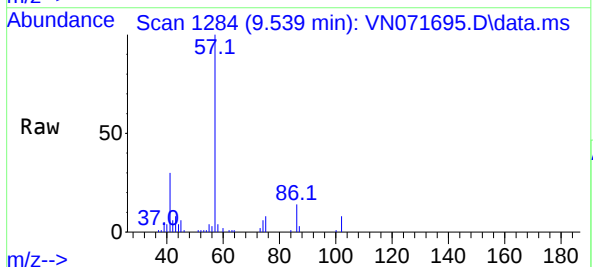
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-1

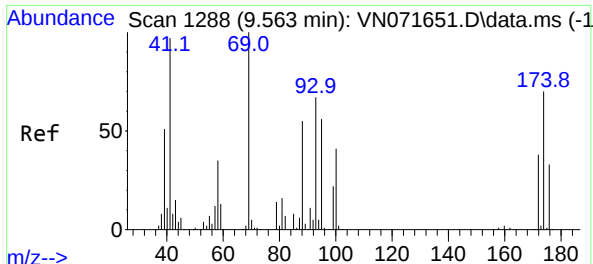
Tgt Ion: 63 Resp: 4345
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 2.177 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Tgt Ion: 41 Resp: 15054
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#

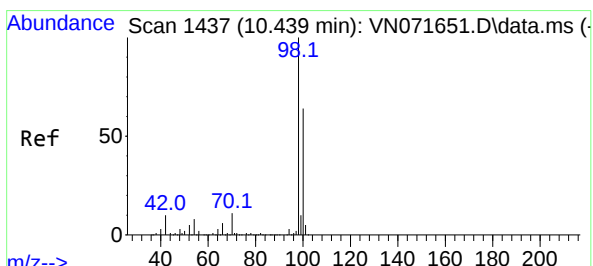
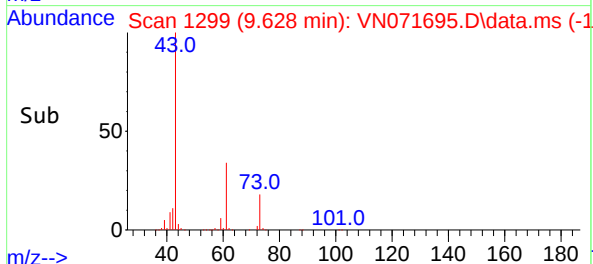
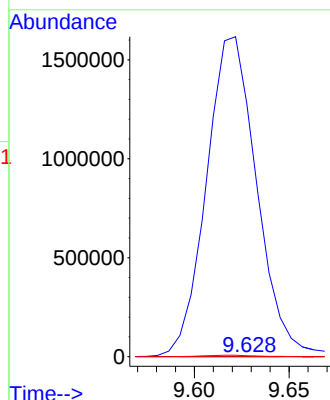
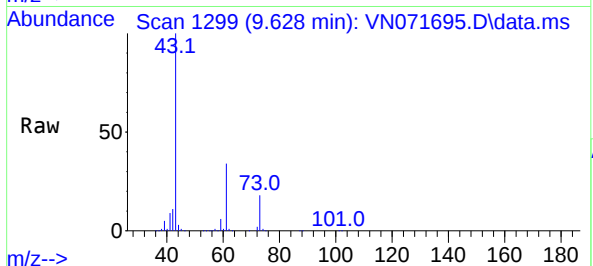




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.628 min Scan# 1288
Delta R.T. 0.065 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

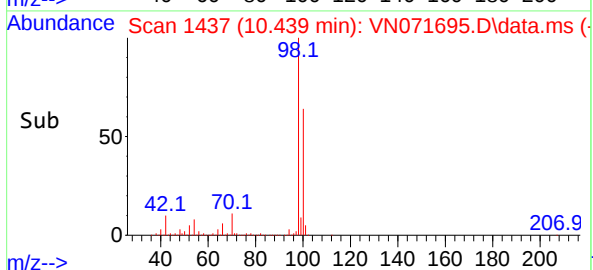
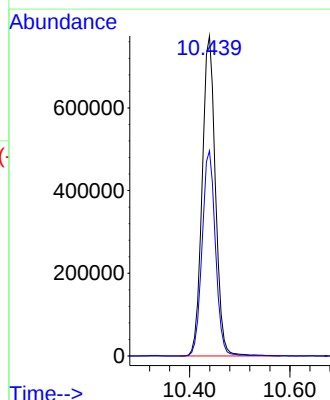
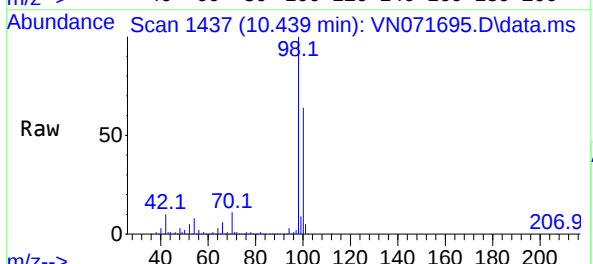
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-1

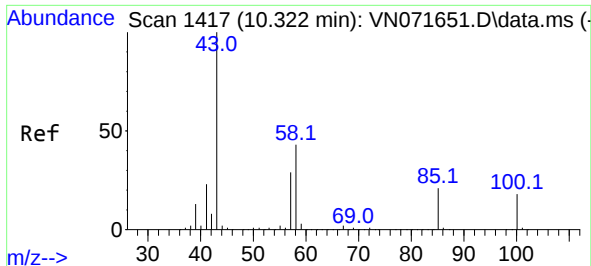
Tgt Ion: 88 Resp: 505
Ion Ratio Lower Upper
88 100
43 601050.9 20.2 30.4#
58 2870.9 54.2 81.4#



#50
Toluene-d8
Concen: 52.917 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Tgt Ion: 98 Resp: 1419049
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8

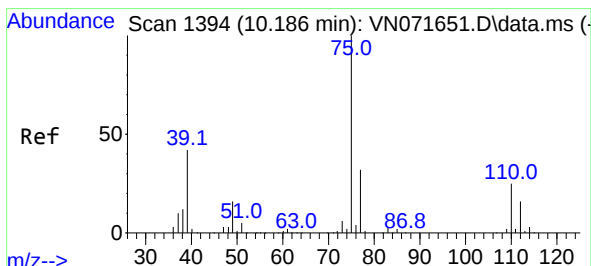
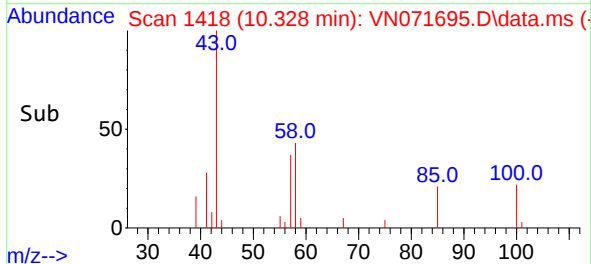
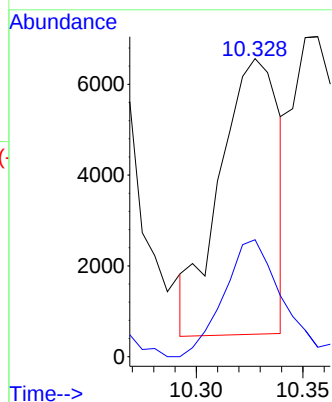
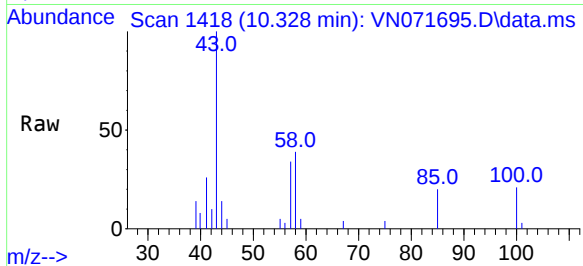




#51
4-Methyl-2-Pentanone
Concen: 1.221 ug/l
RT: 10.328 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

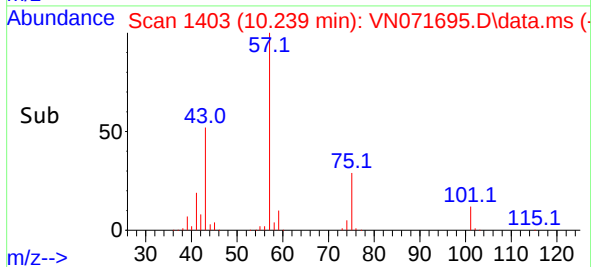
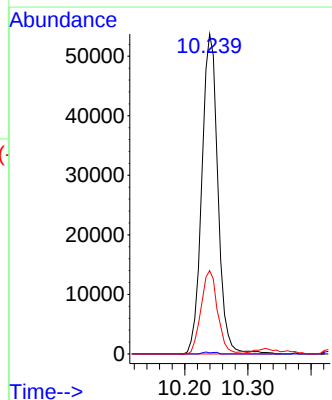
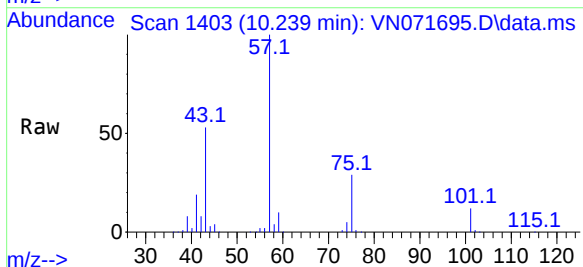
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-1

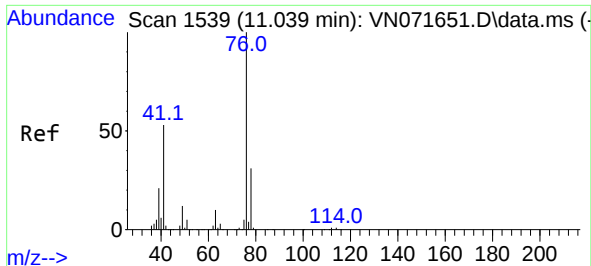
Tgt Ion: 43 Resp: 11695
Ion Ratio Lower Upper
43 100
58 42.4 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 8.504 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Tgt Ion: 75 Resp: 95084
Ion Ratio Lower Upper
75 100
77 0.3 25.2 37.8#
39 26.0 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 4.697 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071695.D

Acq: 31 Mar 2022 06:33

Instrument :

MSVOA_N

ClientSampleId :

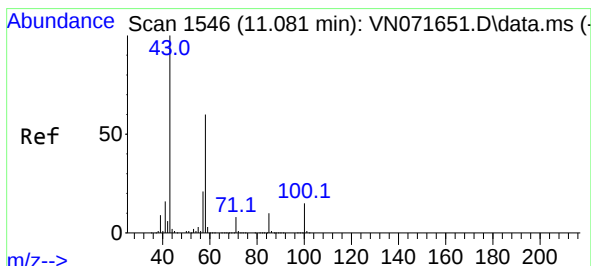
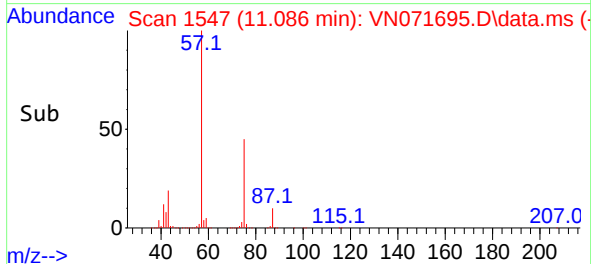
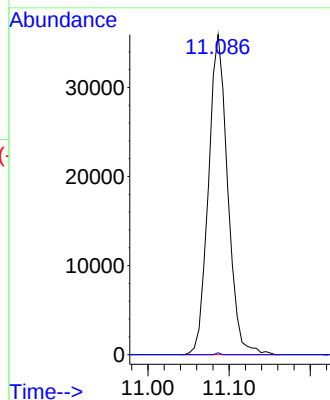
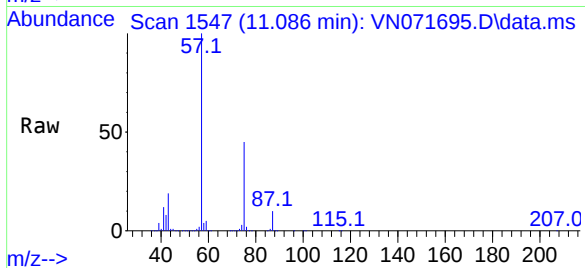
RAIL-PILE-1

Tgt Ion: 76 Resp: 59077

Ion Ratio Lower Upper

76 100

78 0.1 26.2 39.2#



#59

2-Hexanone

Concen: 112.195 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN071695.D

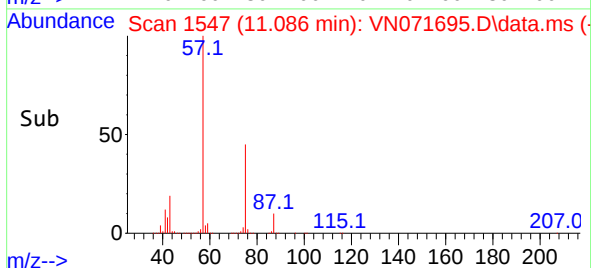
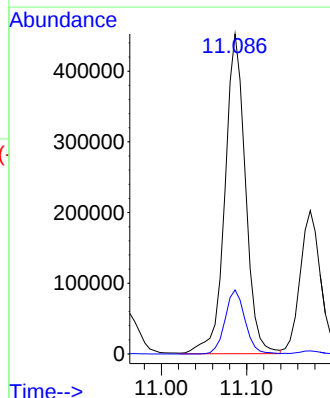
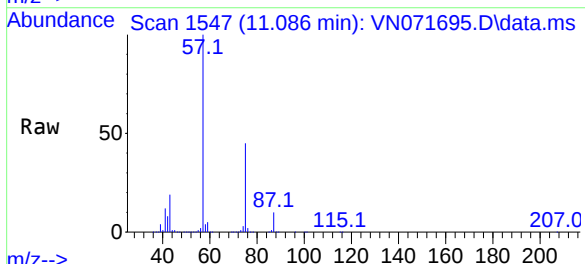
Acq: 31 Mar 2022 06:33

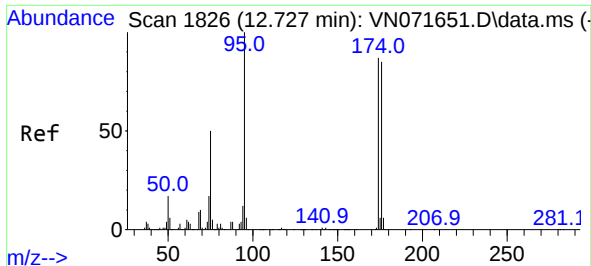
Tgt Ion: 43 Resp: 756885

Ion Ratio Lower Upper

43 100

58 19.4 29.7 89.1#

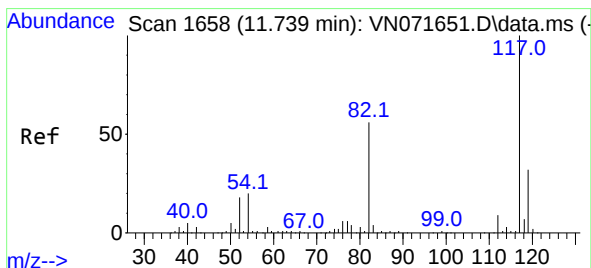
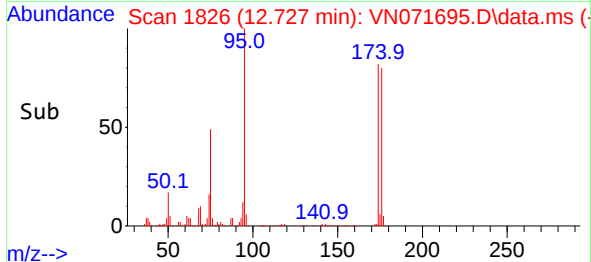
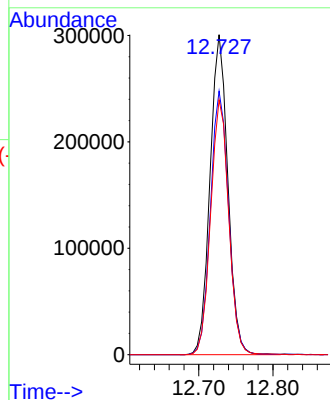
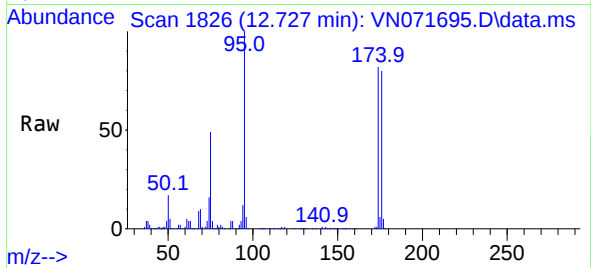




#62
4-Bromofluorobenzene
Concen: 57.932 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

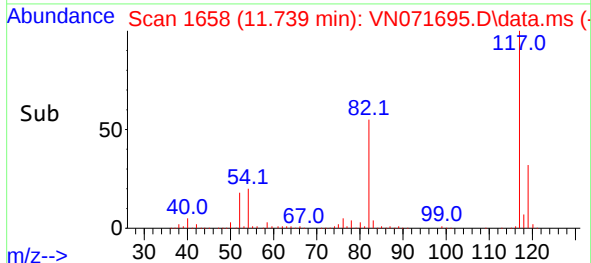
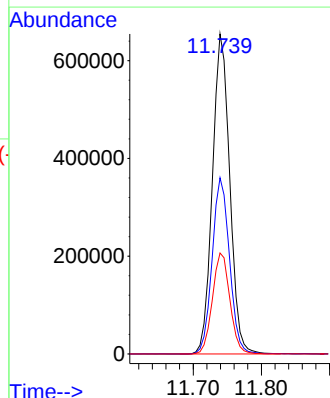
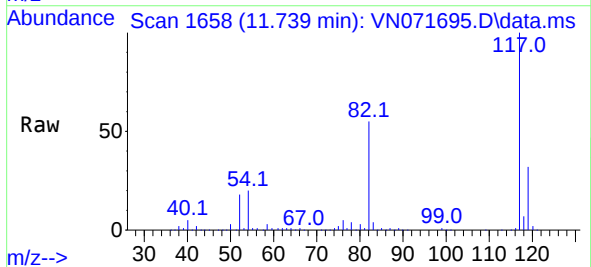
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-1

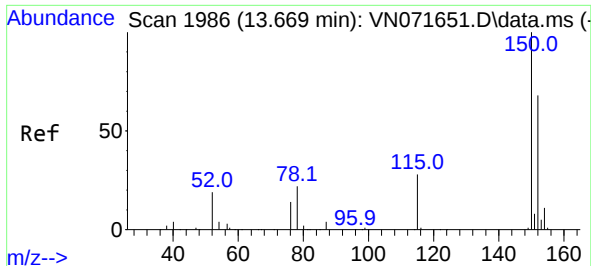
Tgt Ion: 95 Resp: 502439
Ion Ratio Lower Upper
95 100
174 83.7 0.0 167.6
176 80.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Tgt Ion: 117 Resp: 1158821
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 31.6 25.4 38.0

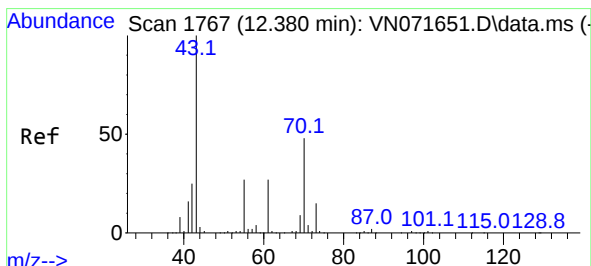
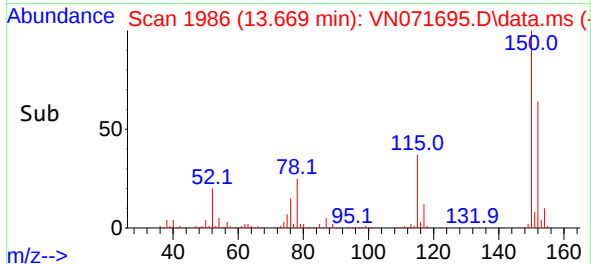
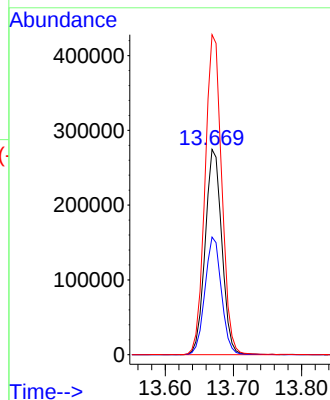
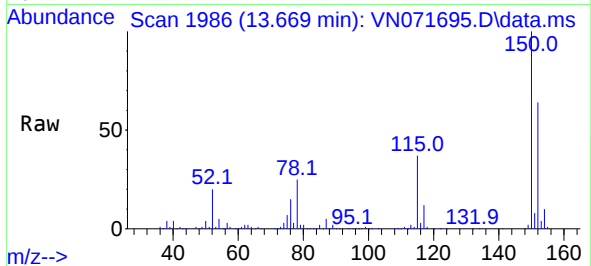




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

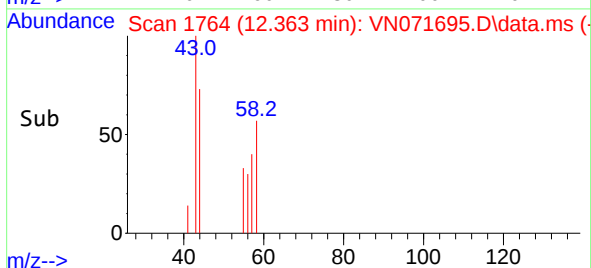
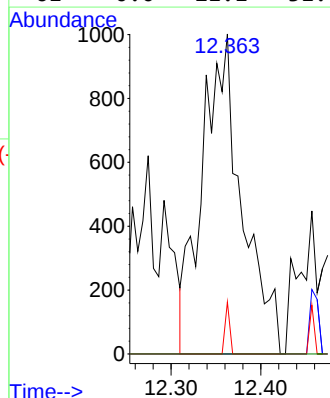
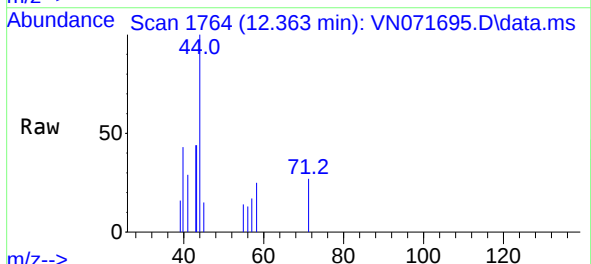
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-1

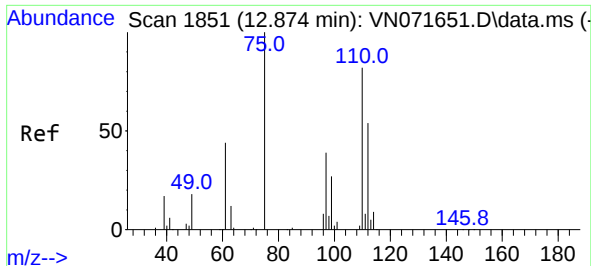
Tgt Ion:152 Resp: 465708
Ion Ratio Lower Upper
152 100
115 56.8 28.9 86.7
150 156.6 0.0 356.2



#74
N-ethyl acetate
Concen: 0.275 ug/l
RT: 12.363 min Scan# 1764
Delta R.T. -0.017 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Tgt Ion: 43 Resp: 3094
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 1.9 21.1 31.7#
61 0.0 21.1 31.7#

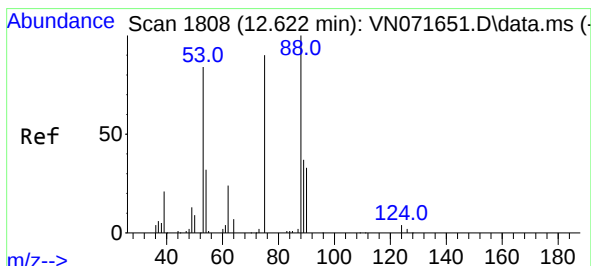
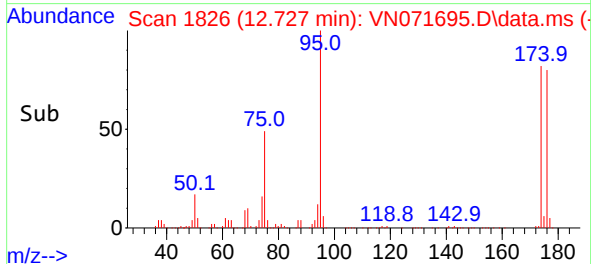
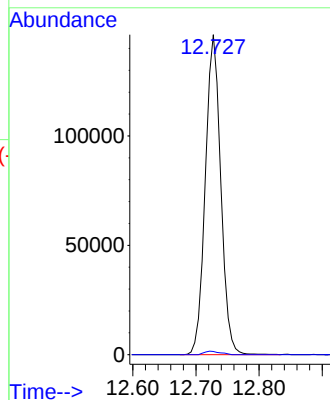
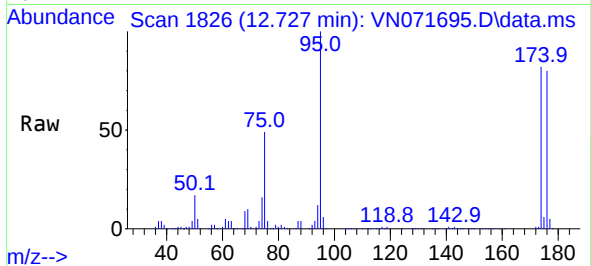




#76
1,2,3-Trichloropropane
Concen: 22.991 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

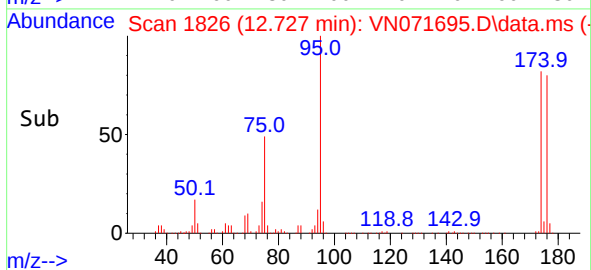
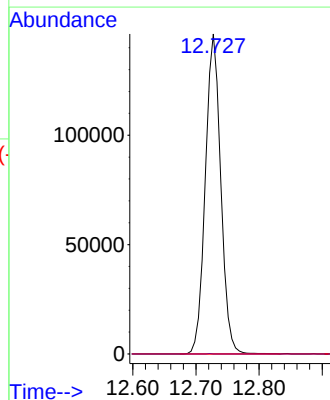
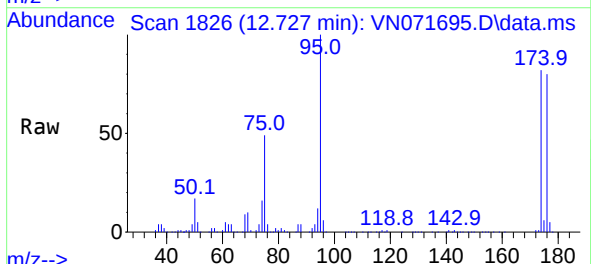
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-1

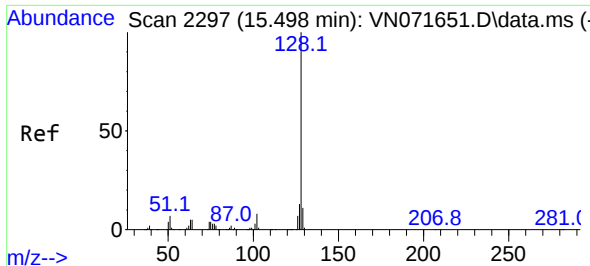
Tgt Ion: 75 Resp: 248041
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.249 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Tgt Ion: 75 Resp: 248041
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

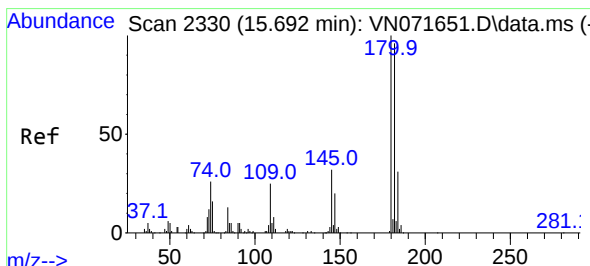
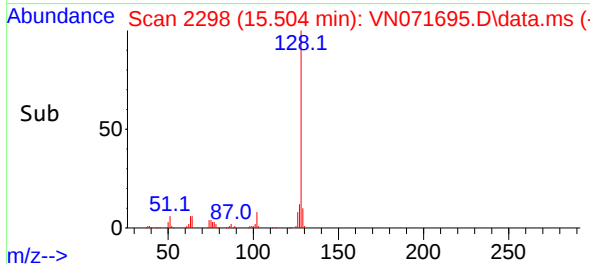
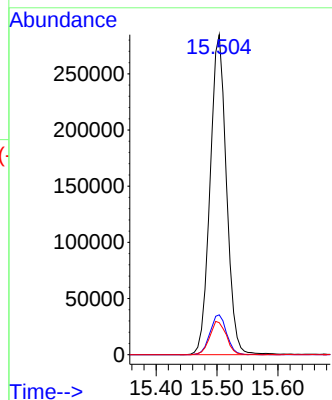
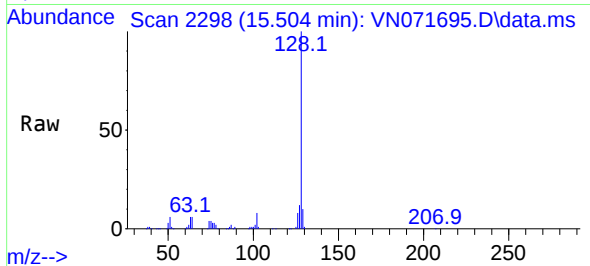




#95
Naphthalene
Concen: 26.974 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-1

Tgt Ion:128 Resp: 531839
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.422 ug/l
RT: 15.704 min Scan# 2332
Delta R.T. 0.012 min
Lab File: VN071695.D
Acq: 31 Mar 2022 06:33

Tgt Ion:180 Resp: 58
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 215.5 15.5 46.5#

