

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033022\
 Data File : VN071696.D
 Acq On : 31 Mar 2022 06:57
 Operator : JC\MD
 Sample : N2167-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RAIL-PILE-2

Quant Time: Mar 31 07:48:56 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)

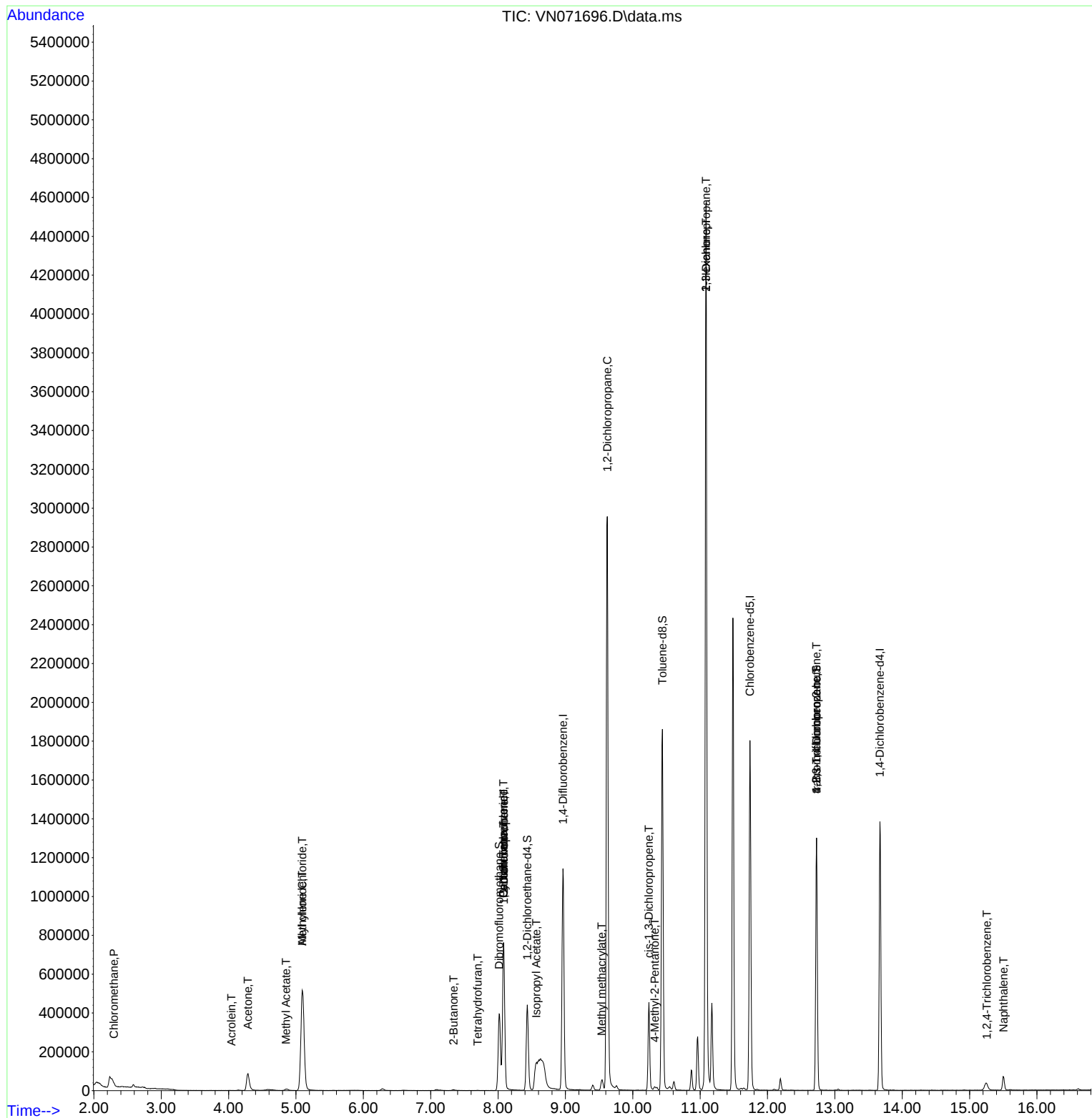
Internal Standards						
1) Pentafluorobenzene	8.081	168	618206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1058569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1077376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	402323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	356737	50.547	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.100%			
35) Dibromofluoromethane	8.016	113	300550	48.250	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.500%			
50) Toluene-d8	10.439	98	1340354	52.601	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.200%			
62) 4-Bromofluorobenzene	12.727	95	458216	55.601	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 111.200%			
Target Compounds						Qvalue
3) Chloromethane	2.299	50	1943	0.312	ug/l #	69
13) Acrolein	4.040	56	330	0.236	ug/l #	47
14) Allyl chloride	5.093	41	13391	1.617	ug/l #	24
16) Acetone	4.287	43	166976	55.361	ug/l	96
18) Methyl Acetate	4.851	43	17860	0.905	ug/l	93
20) Methylene Chloride	5.093	84	468849	73.750	ug/l	98
25) 2-Butanone	7.340	43	8374	1.926	ug/l #	70
29) Tetrahydrofuran	7.698	42	812	0.288	ug/l #	64
31) Cyclohexane	8.081	56	10807	1.126	ug/l #	10
36) 1,1-Dichloropropene	8.087	75	43130	4.958	ug/l #	48
38) Carbon Tetrachloride	8.081	117	55879	6.555	ug/l #	16
43) Isopropyl Acetate	8.569	43	159323	10.061	ug/l #	68
45) 1,2-Dichloropropane	9.622	63	4052	0.590	ug/l #	44
48) Methyl methacrylate	9.539	41	14654	2.230	ug/l #	10
49) 1,4-Dioxane	9.616	88	471	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.328	43	12877	1.414	ug/l	88
54) cis-1,3-Dichloropropene	10.239	75	86739	8.164	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	52470	4.390	ug/l #	42
59) 2-Hexanone	11.086	43	658585	102.737	ug/l #	47
76) 1,2,3-Trichloropropane	12.727	75	222302	23.852	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	222302	73.916	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.257	180	118	2.103	ug/l #	12
95) Naphthalene	15.504	128	71733	7.420	ug/l	99

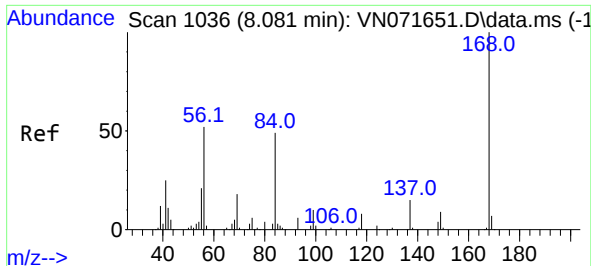
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
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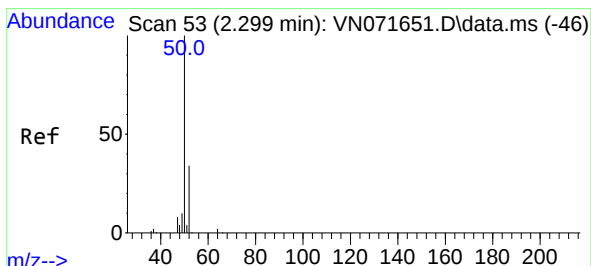
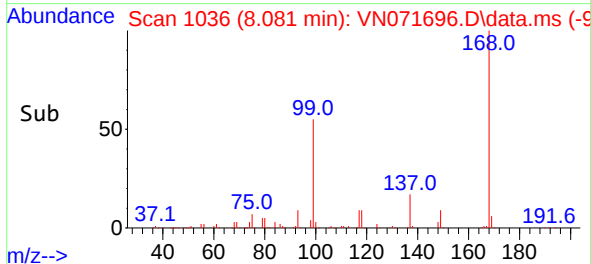
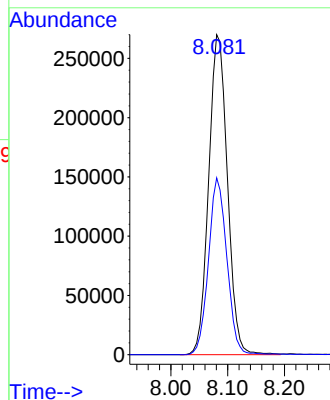
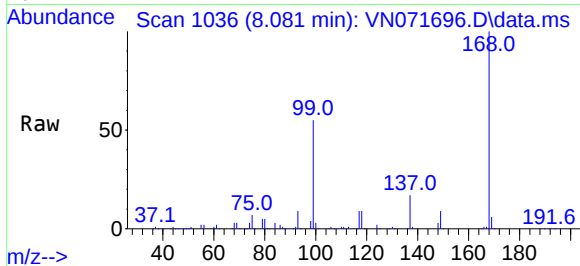




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

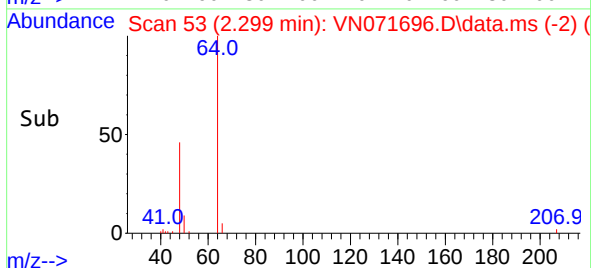
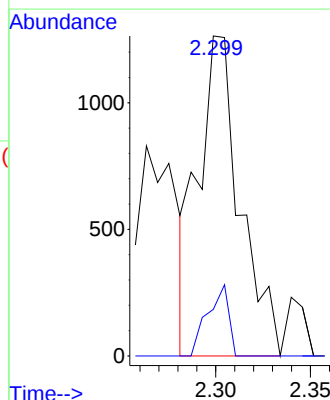
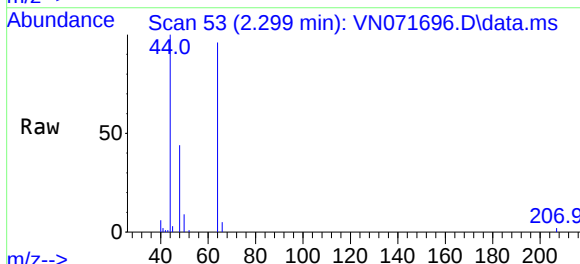
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-2

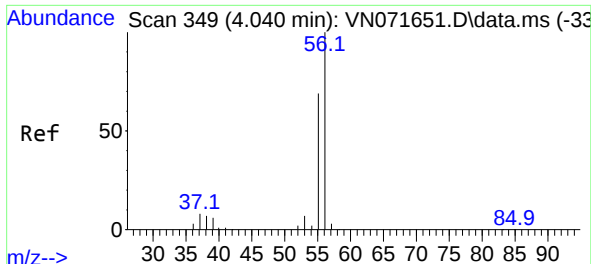
Tgt Ion:168 Resp: 618206
Ion Ratio Lower Upper
168 100
99 55.3 42.3 63.5



#3
Chloromethane
Concen: 0.312 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

Tgt Ion: 50 Resp: 1943
Ion Ratio Lower Upper
50 100
52 14.6 25.7 38.5

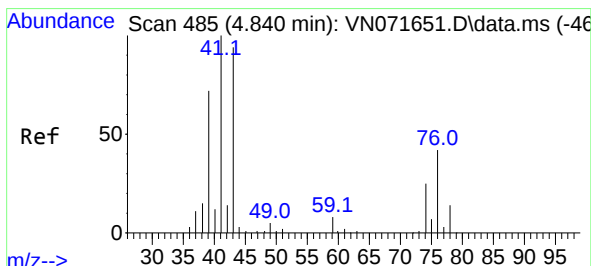
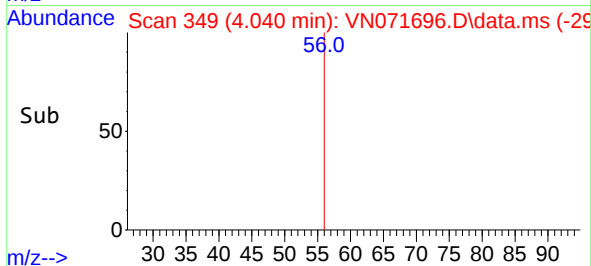
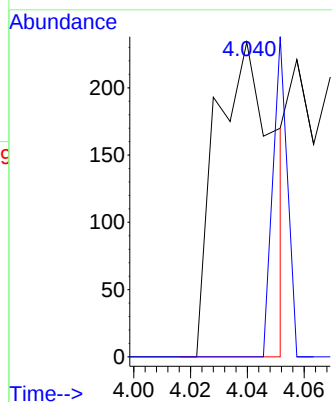
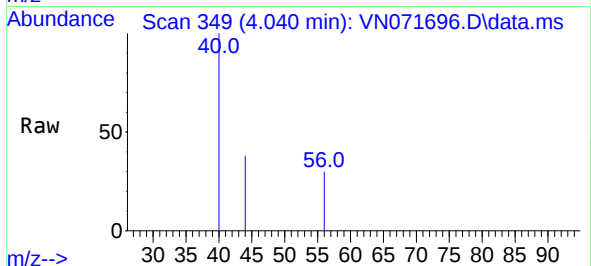




#13
Acrolein
Concen: 0.236 ug/l
RT: 4.040 min Scan# 349
Delta R.T. -0.000 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

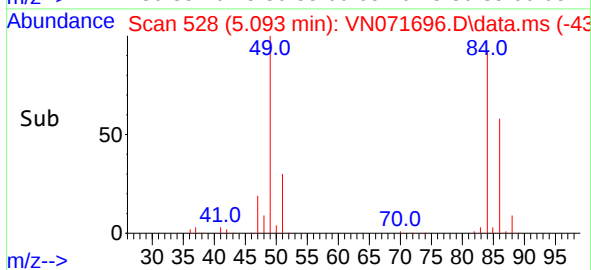
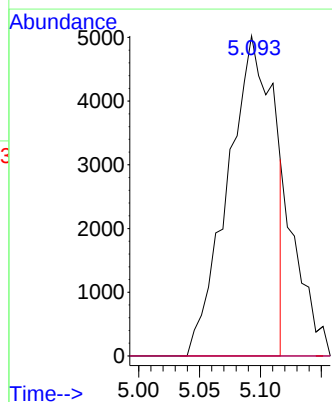
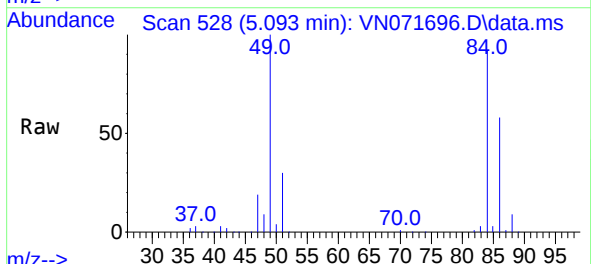
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-2

Tgt Ion: 56 Resp: 330
Ion Ratio Lower Upper
56 100
55 25.5 54.8 82.2#



#14
Allyl chloride
Concen: 1.617 ug/l
RT: 5.093 min Scan# 528
Delta R.T. 0.253 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

Tgt Ion: 41 Resp: 13391
Ion Ratio Lower Upper
41 100
39 0.0 53.2 79.8#
76 0.0 29.9 44.9#

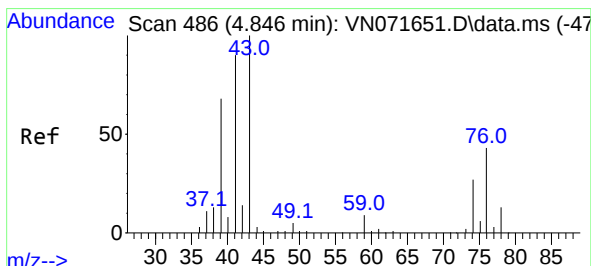
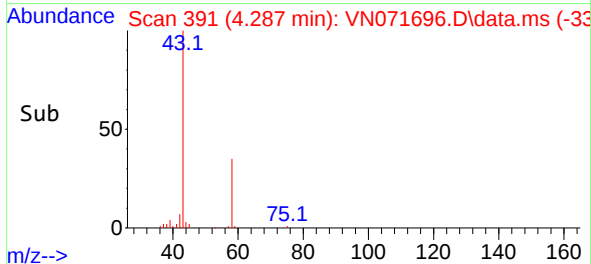
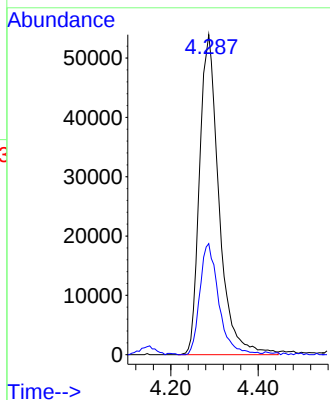
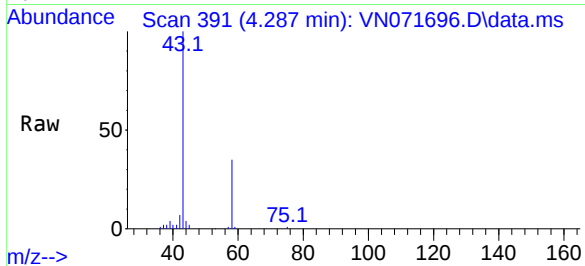




#16
Acetone
Concen: 55.361 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

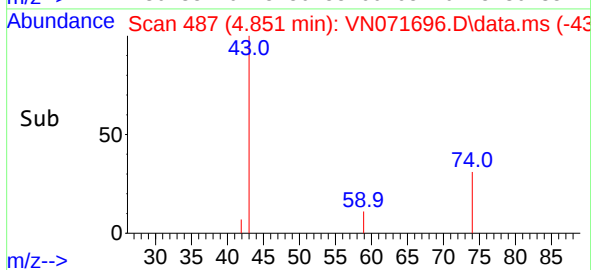
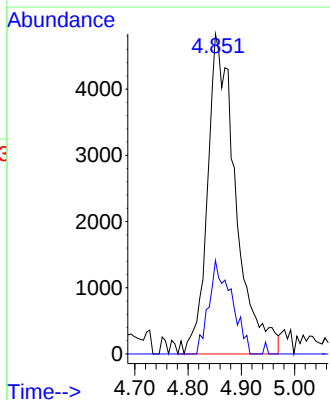
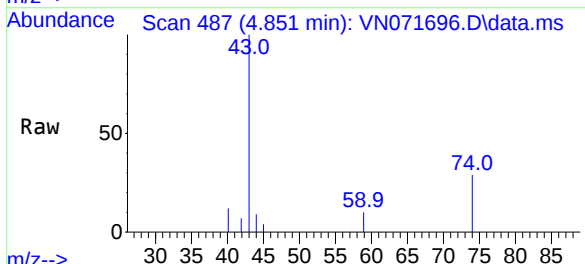
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-2

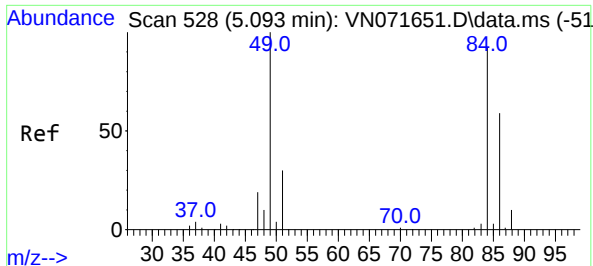
Tgt Ion: 43 Resp: 166976
Ion Ratio Lower Upper
43 100
58 34.7 26.0 39.0



#18
Methyl Acetate
Concen: 0.905 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.005 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

Tgt Ion: 43 Resp: 17860
Ion Ratio Lower Upper
43 100
74 23.3 21.6 32.4



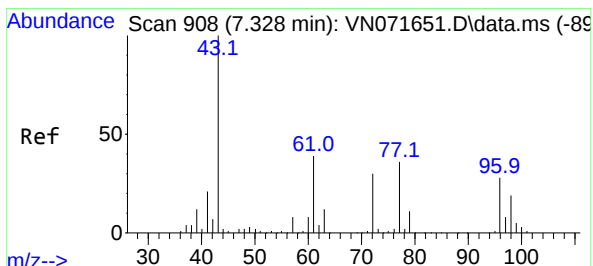
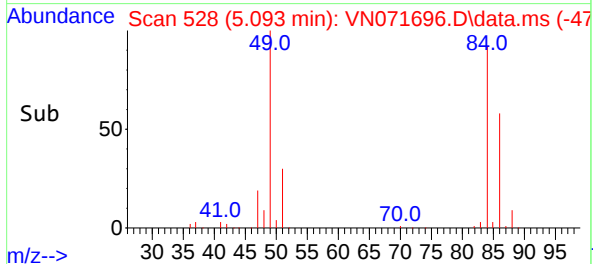
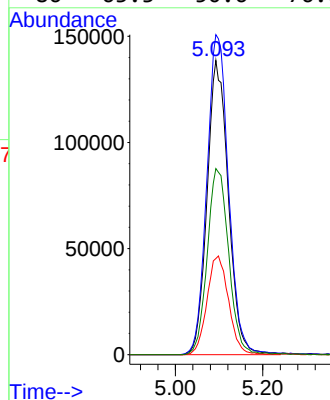
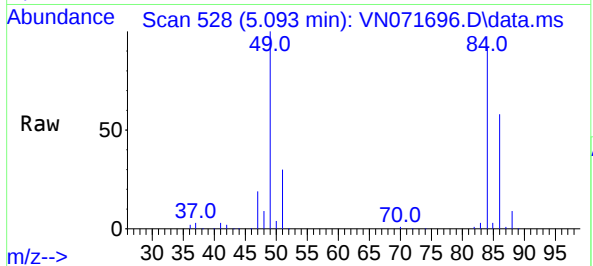


#20
Methylene Chloride
Concen: 73.750 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-2

Tgt Ion: 84 Resp: 468849

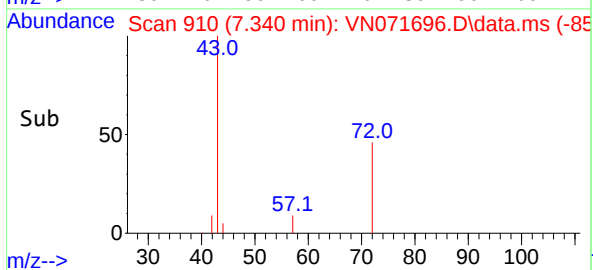
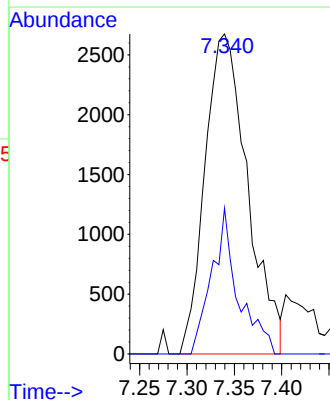
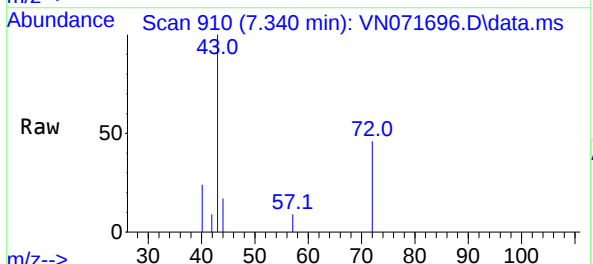
Ion	Ratio	Lower	Upper
84	100		
49	108.8	88.3	132.5
51	32.7	28.2	42.2
86	63.3	50.6	76.0

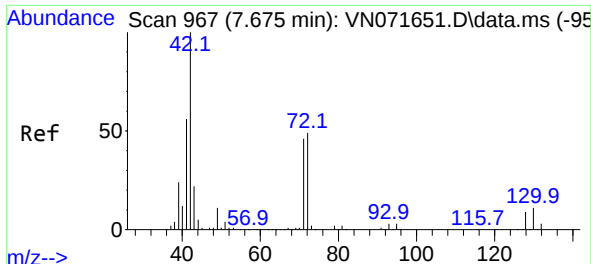


#25
2-Butanone
Concen: 1.926 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

Tgt Ion: 43 Resp: 8374

Ion	Ratio	Lower	Upper
43	100		
72	45.5	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.288 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN071696.D

Acq: 31 Mar 2022 06:57

Instrument :

MSVOA_N

ClientSampleId :

RAIL-PILE-2

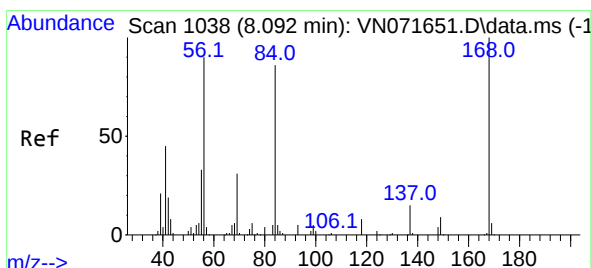
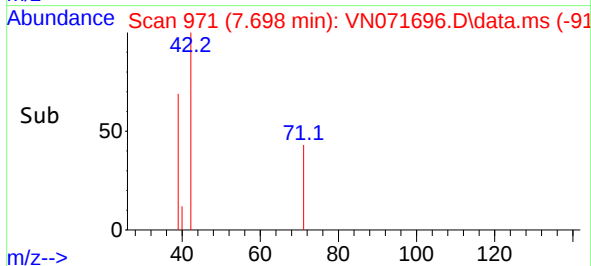
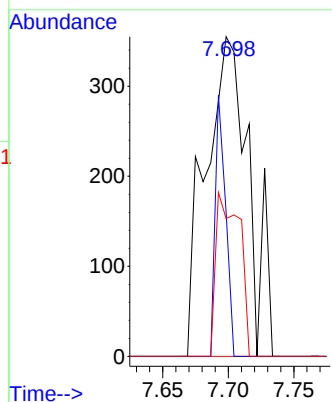
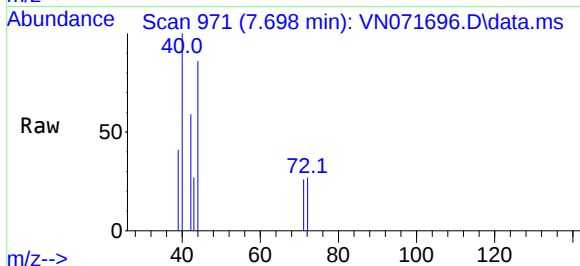
Tgt Ion: 42 Resp: 812

Ion Ratio Lower Upper

42 100

72 19.6 39.7 59.5#

71 28.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.126 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN071696.D

Acq: 31 Mar 2022 06:57

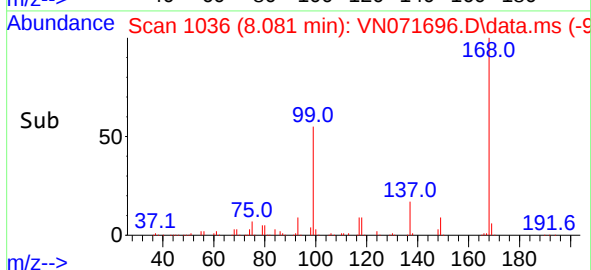
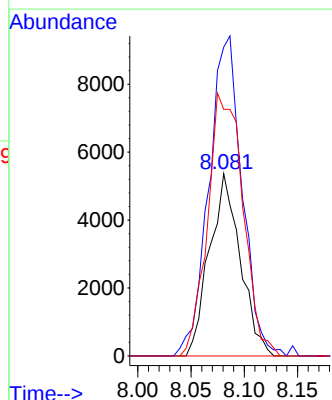
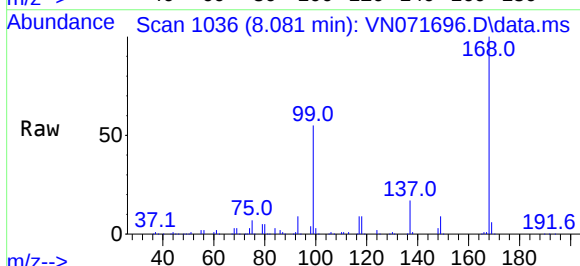
Tgt Ion: 56 Resp: 10807

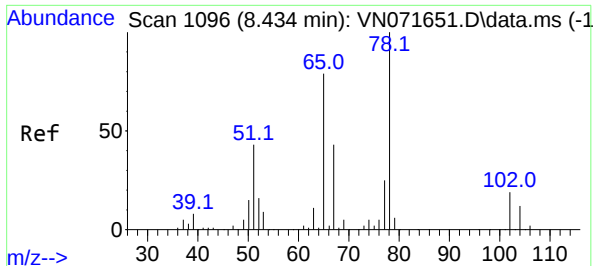
Ion Ratio Lower Upper

56 100

69 165.7 27.8 41.8#

84 135.3 76.9 115.3#

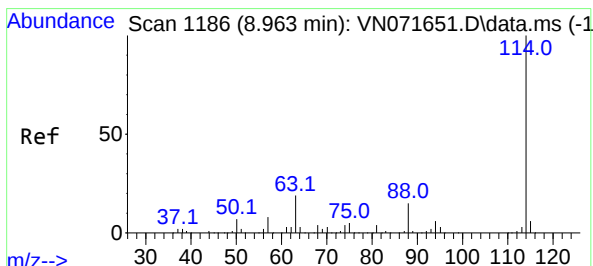
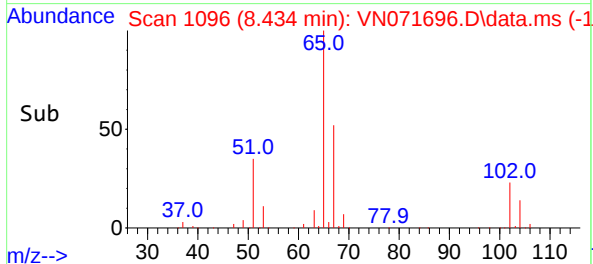
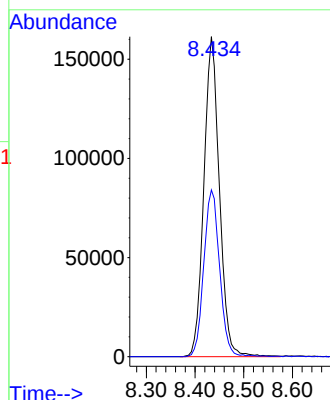
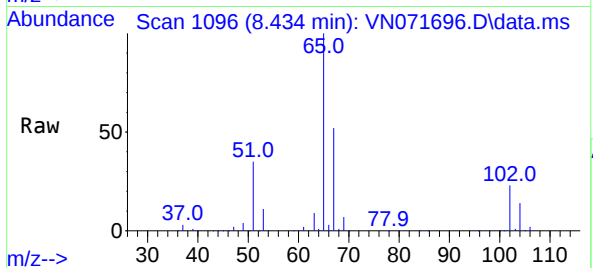




#33
1,2-Dichloroethane-d4
Concen: 50.547 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

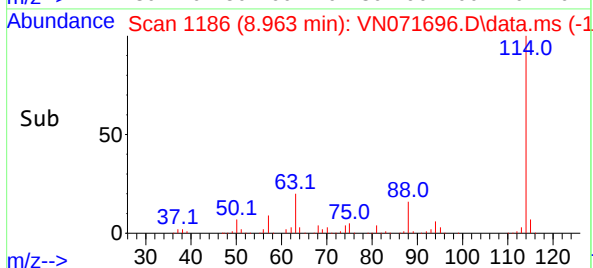
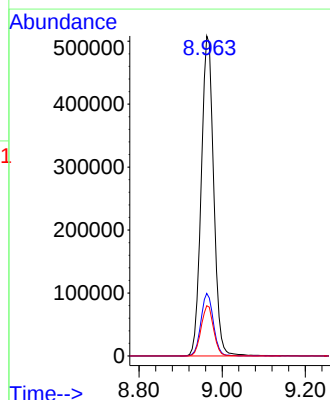
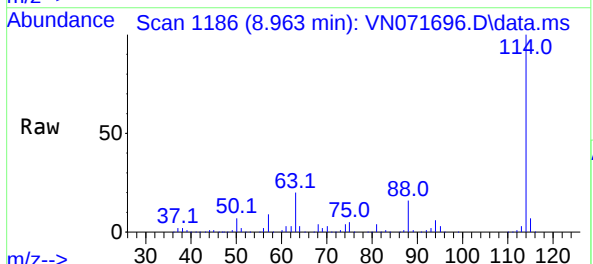
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RAIL-PILE-2

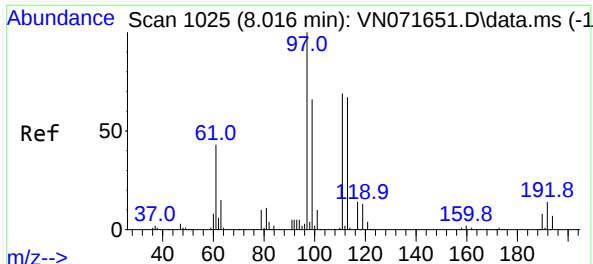
Tgt Ion: 65 Resp: 356737
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

Tgt Ion: 114 Resp: 1058569
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.0
88 15.7 0.0 32.6

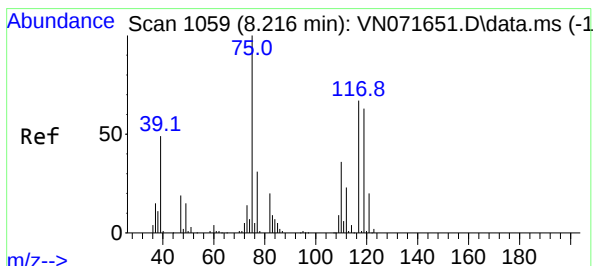
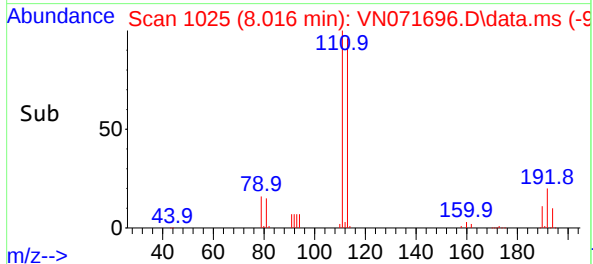
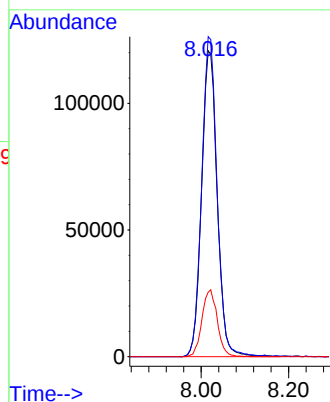
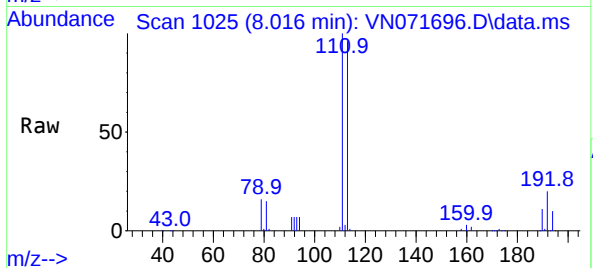




#35
Dibromofluoromethane
Concen: 48.250 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

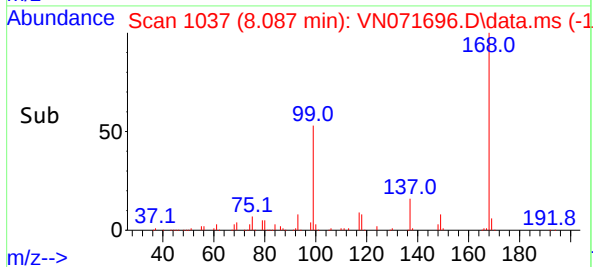
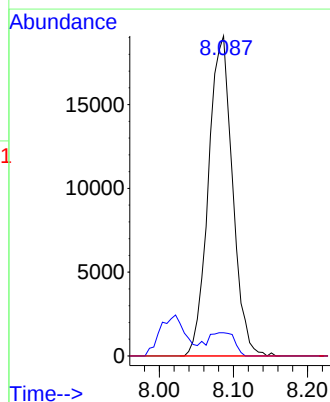
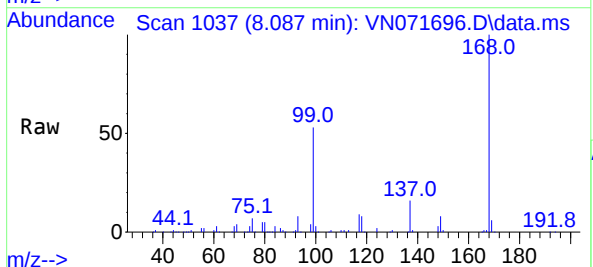
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-2

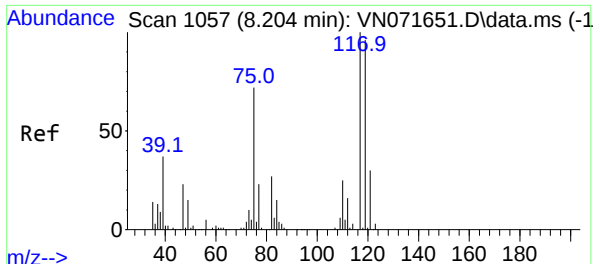
Tgt Ion:113 Resp: 300550
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 21.4 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.958 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.129 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

Tgt Ion: 75 Resp: 43130
Ion Ratio Lower Upper
75 100
110 8.5 18.3 54.8#
77 0.0 25.1 37.7#

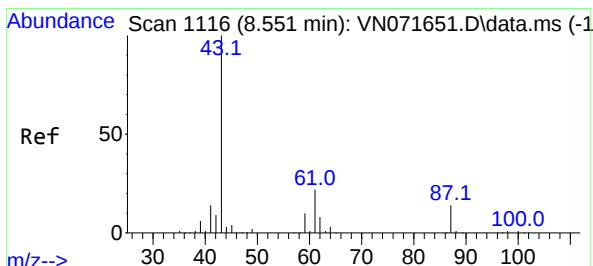
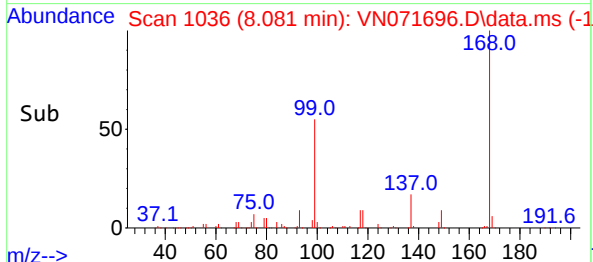
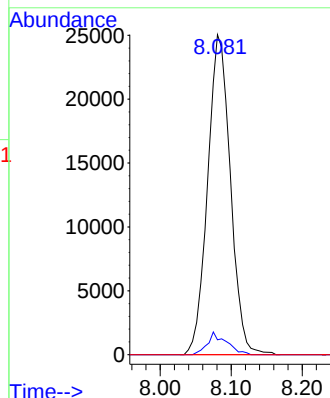
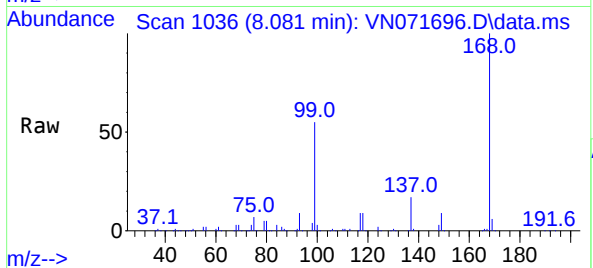




#38
Carbon Tetrachloride
Concen: 6.555 ug/l
RT: 8.081 min Scan# 1119
Delta R.T. -0.123 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

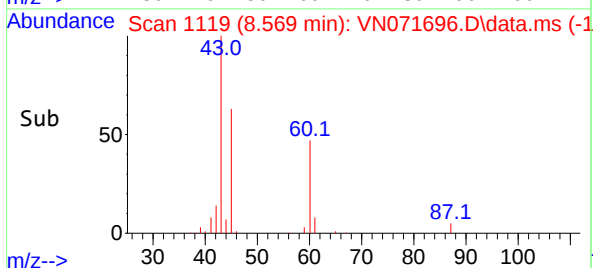
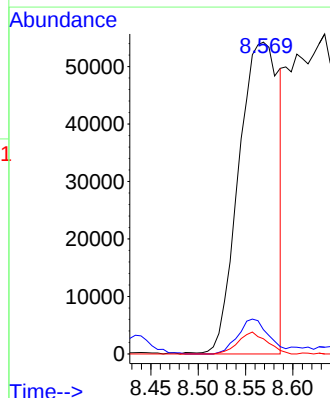
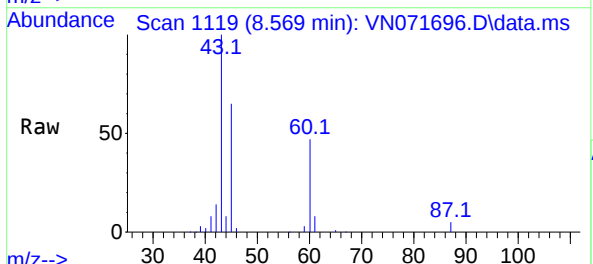
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-2

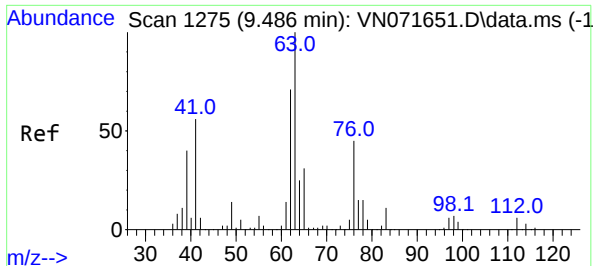
Tgt Ion:117 Resp: 55879
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 10.061 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.018 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

Tgt Ion: 43 Resp: 159323
Ion Ratio Lower Upper
43 100
61 8.6 21.9 32.9#
87 5.1 12.0 18.0#

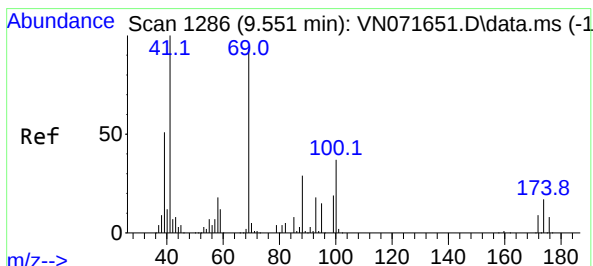
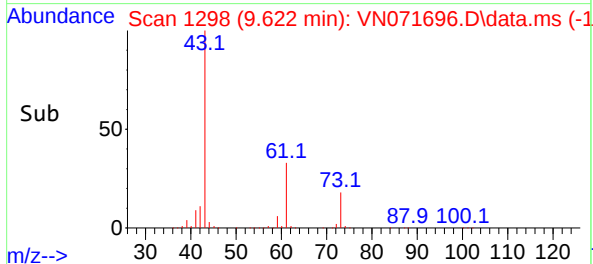
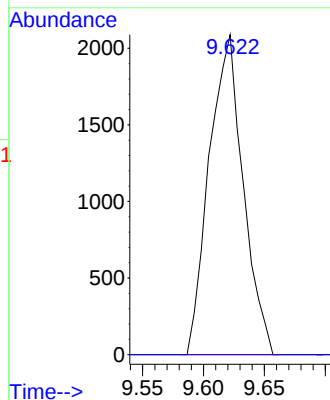
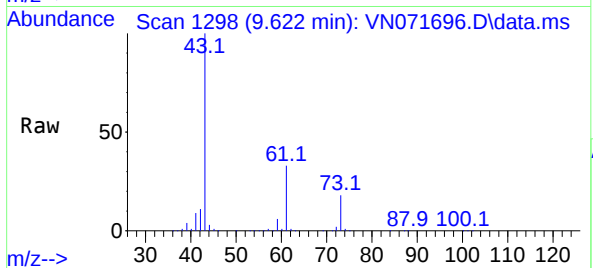




#45
1,2-Dichloropropane
Concen: 0.590 ug/l
RT: 9.622 min Scan# 11
Delta R.T. 0.136 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

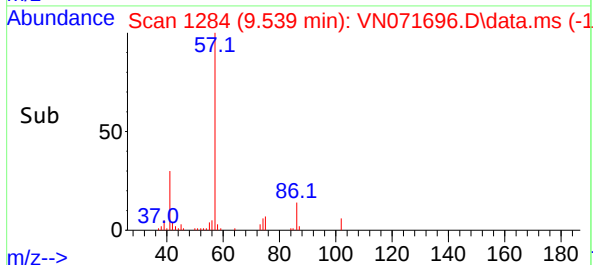
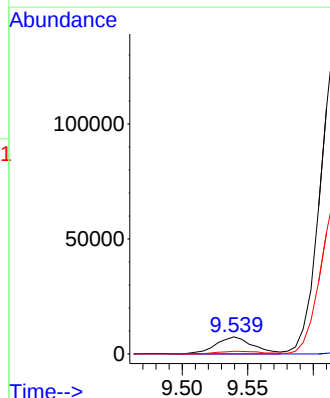
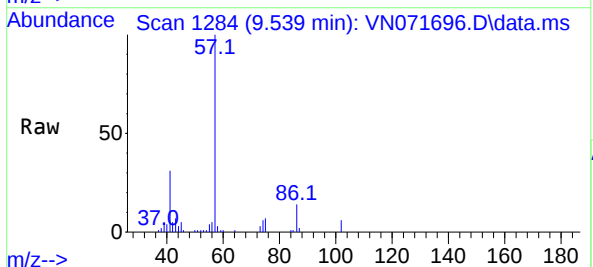
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-2

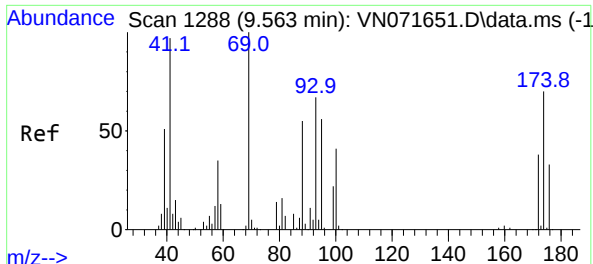
Tgt Ion: 63 Resp: 4052
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 2.230 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

Tgt Ion: 41 Resp: 14654
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#

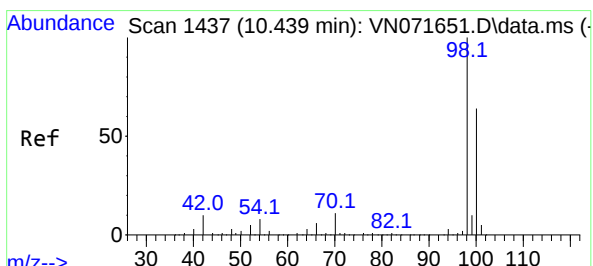
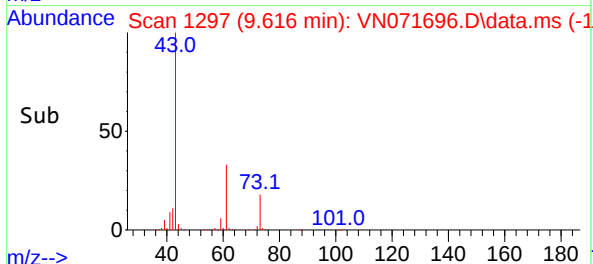
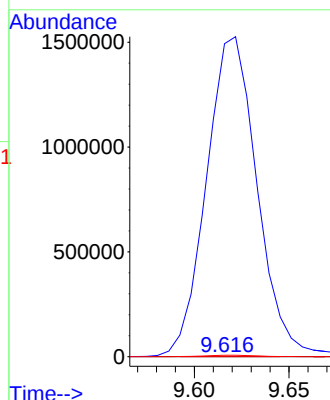
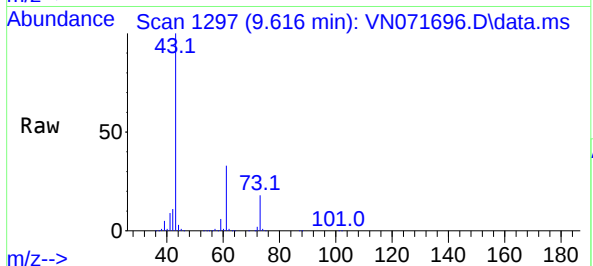




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.616 min Scan# 1297
Delta R.T. 0.053 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

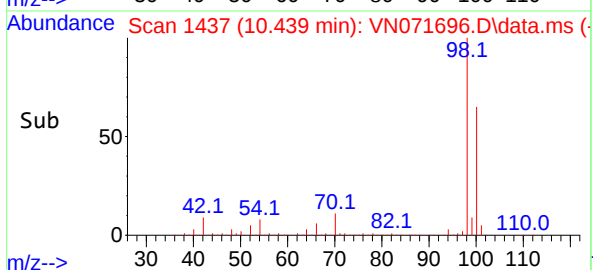
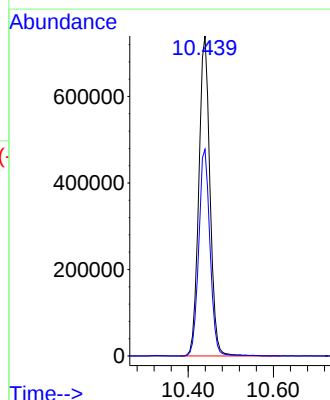
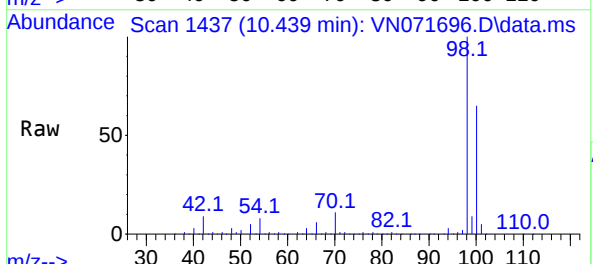
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-2

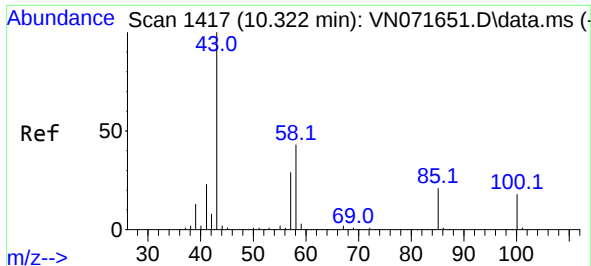
Tgt Ion: 88 Resp: 471
Ion Ratio Lower Upper
88 100
43 611754.6 20.2 30.4#
58 2979.0 54.2 81.4#



#50
Toluene-d8
Concen: 52.601 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

Tgt Ion: 98 Resp: 1340354
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.414 ug/l

RT: 10.328 min Scan# 1417

Delta R.T. 0.006 min

Lab File: VN071696.D

Acq: 31 Mar 2022 06:57

Instrument :

MSVOA_N

ClientSampleId :

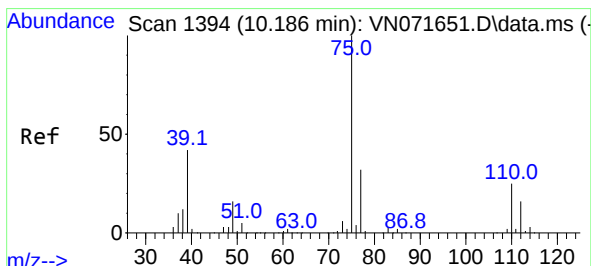
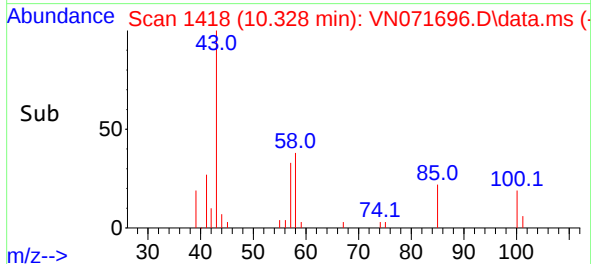
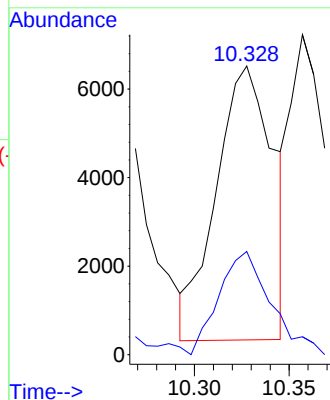
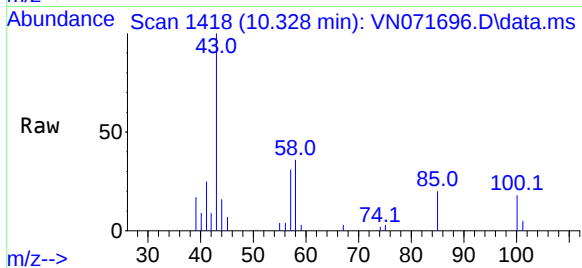
RAIL-PILE-2

Tgt Ion: 43 Resp: 12877

Ion Ratio Lower Upper

43 100

58 35.1 34.1 51.1



#54

cis-1,3-Dichloropropene

Concen: 8.164 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN071696.D

Acq: 31 Mar 2022 06:57

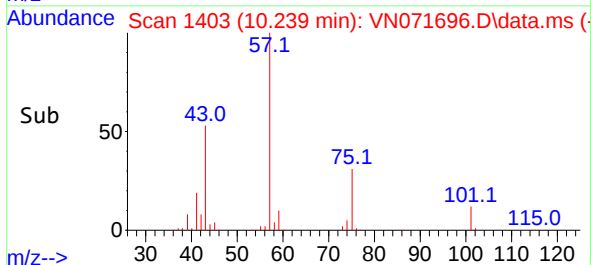
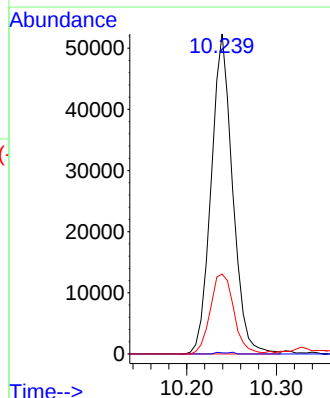
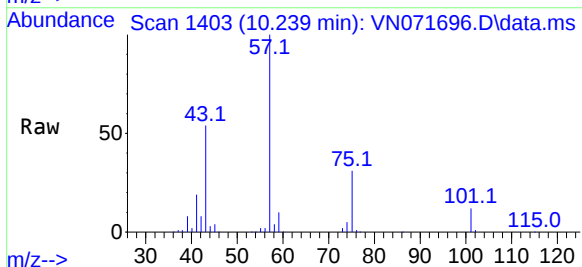
Tgt Ion: 75 Resp: 86739

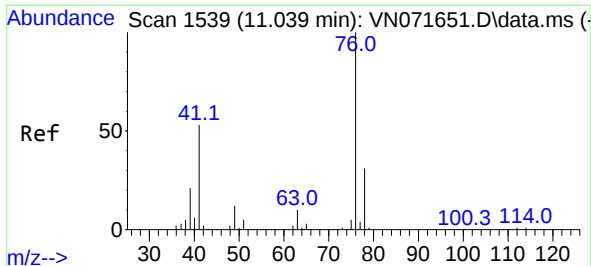
Ion Ratio Lower Upper

75 100

77 0.4 25.2 37.8#

39 24.9 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 4.390 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071696.D

Acq: 31 Mar 2022 06:57

Instrument :

MSVOA_N

ClientSampleId :

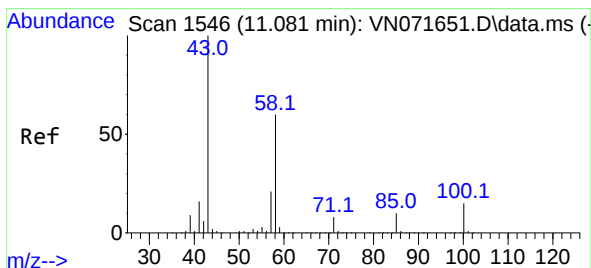
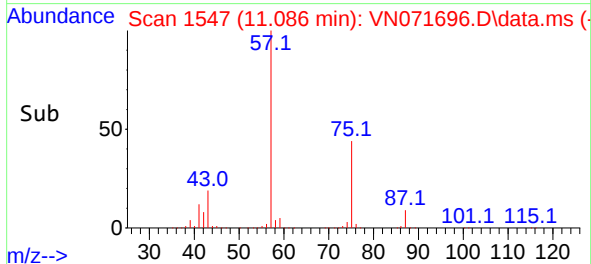
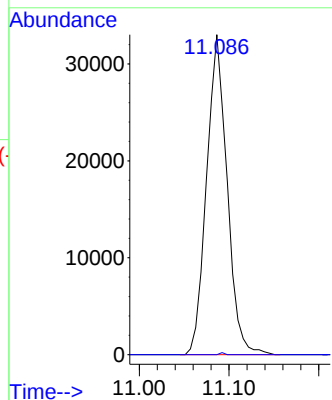
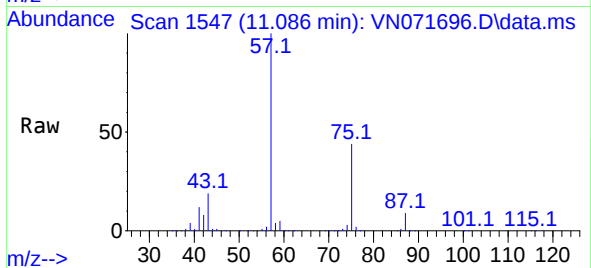
RAIL-PILE-2

Tgt Ion: 76 Resp: 52470

Ion Ratio Lower Upper

76 100

78 0.1 26.2 39.2#



#59

2-Hexanone

Concen: 102.737 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN071696.D

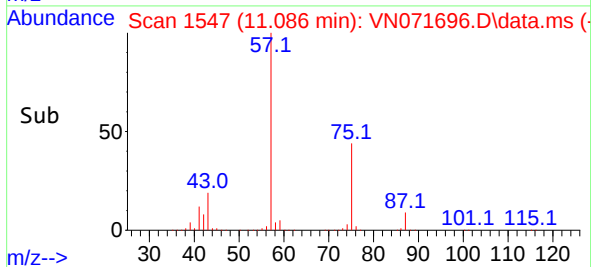
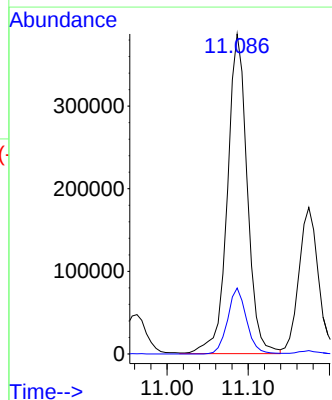
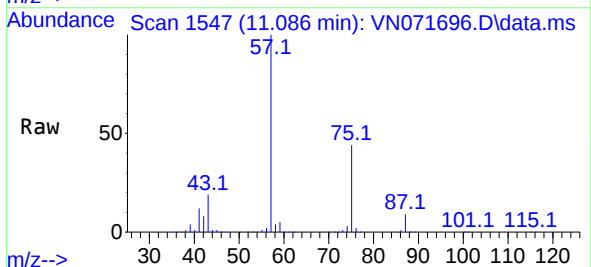
Acq: 31 Mar 2022 06:57

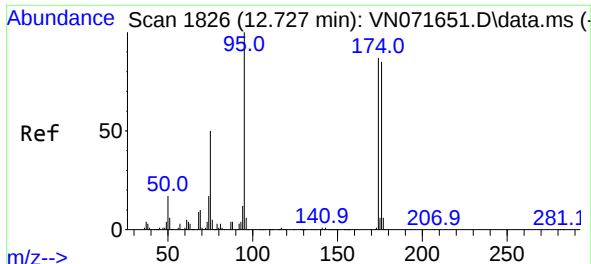
Tgt Ion: 43 Resp: 658585

Ion Ratio Lower Upper

43 100

58 19.5 29.7 89.1#

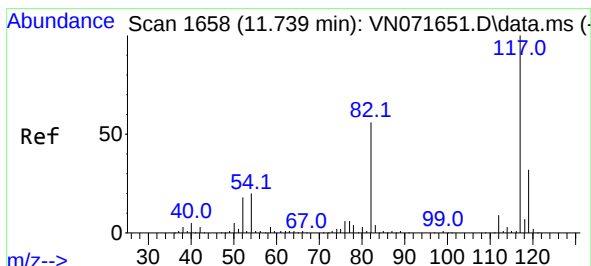
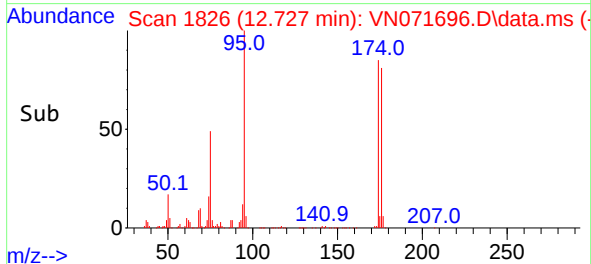
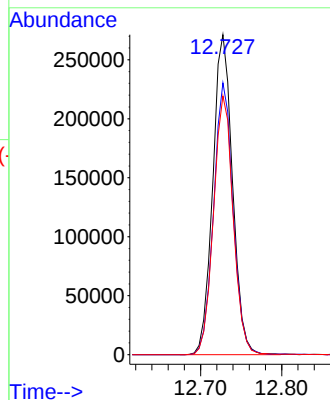
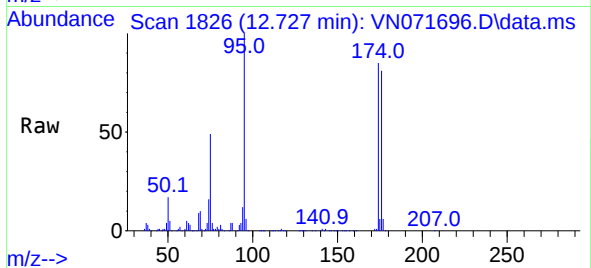




#62
4-Bromofluorobenzene
Concen: 55.601 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

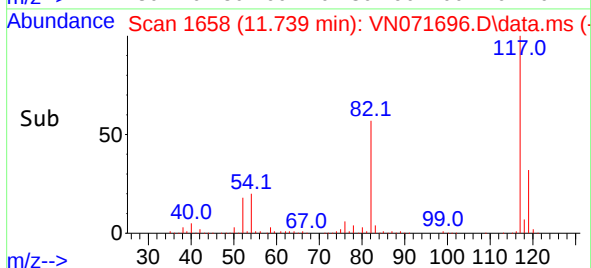
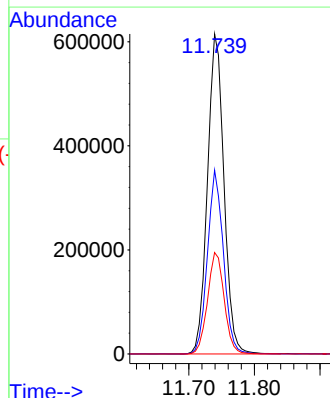
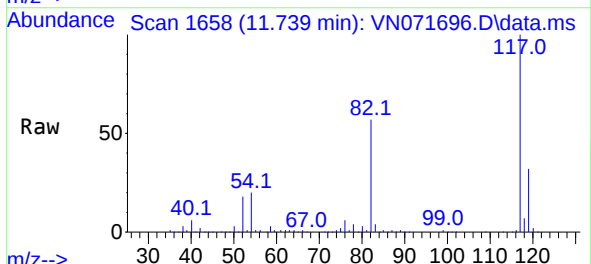
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-2

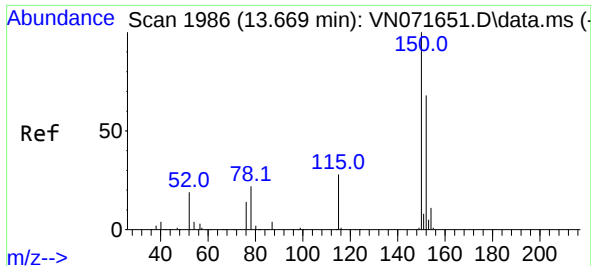
Tgt Ion: 95 Resp: 458216
Ion Ratio Lower Upper
95 100
174 83.7 0.0 167.6
176 80.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

Tgt Ion: 117 Resp: 1077376
Ion Ratio Lower Upper
117 100
82 57.5 44.2 66.2
119 31.7 25.4 38.0

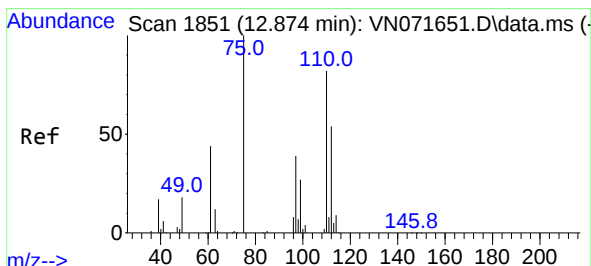
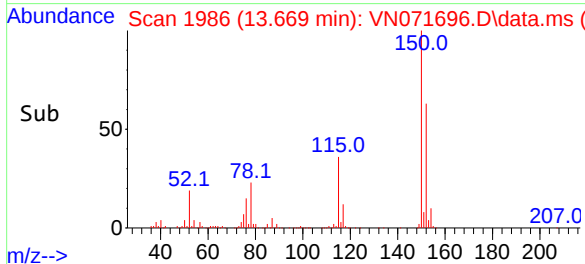
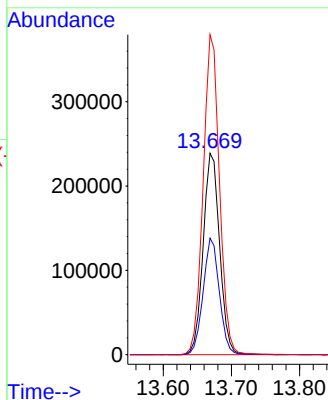
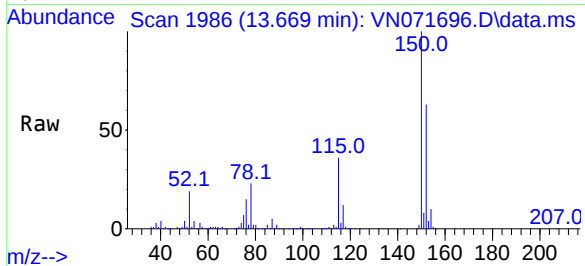




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

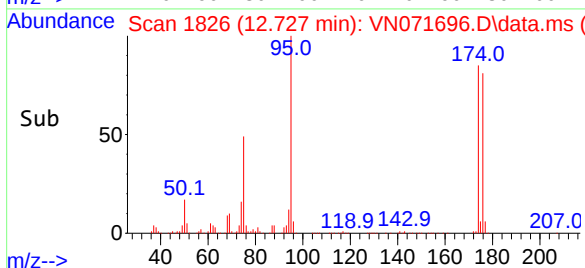
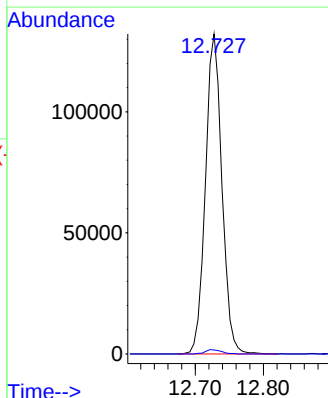
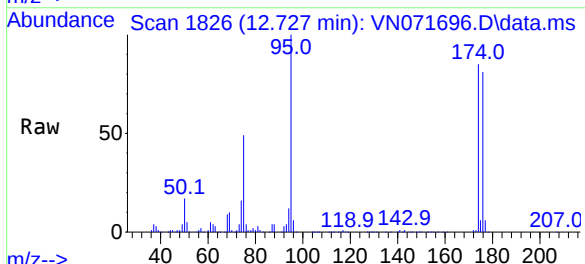
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-2

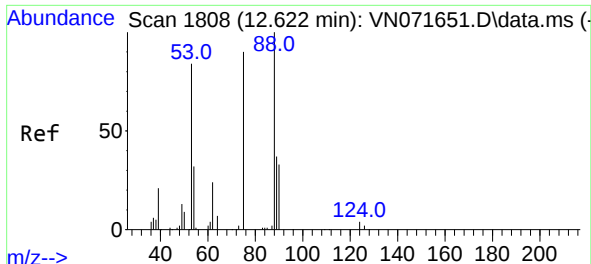
Tgt Ion:152 Resp: 402323
Ion Ratio Lower Upper
152 100
115 57.0 28.9 86.7
150 157.1 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 23.852 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

Tgt Ion: 75 Resp: 222302
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#

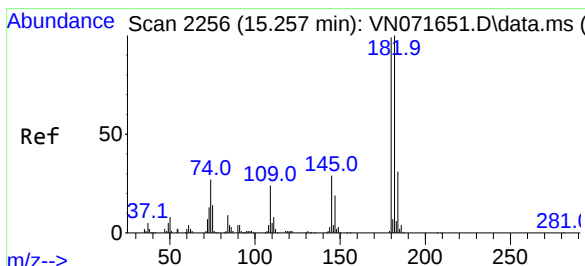
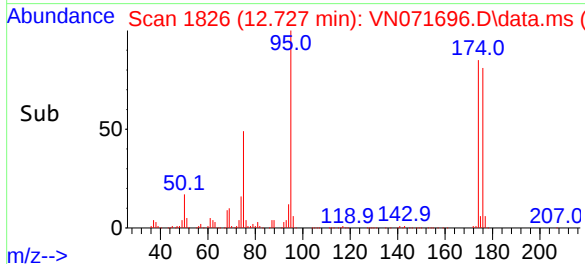
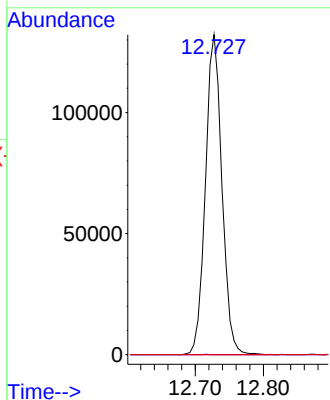
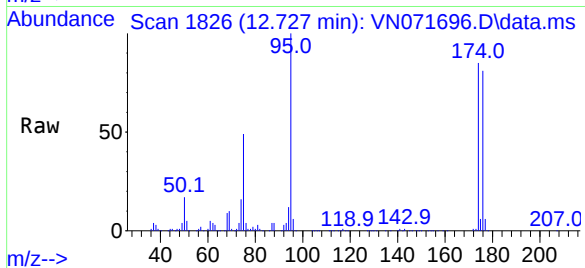




#81
trans-1,4-Dichloro-2-butene
Concen: 73.916 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

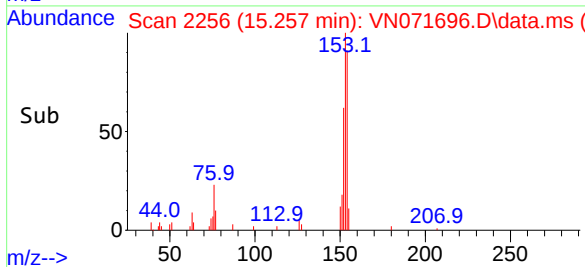
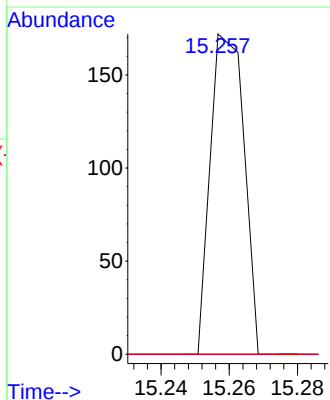
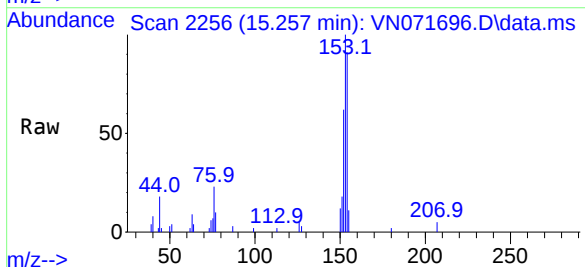
Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-2

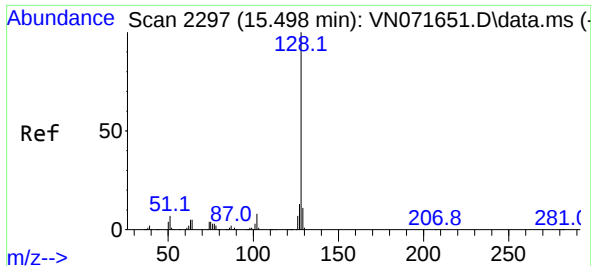
Tgt Ion: 75 Resp: 222302
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.103 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

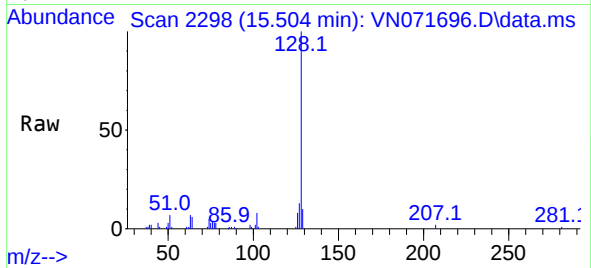
Tgt Ion:180 Resp: 118
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 14.5 43.5#





#95
Naphthalene
Concen: 7.420 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071696.D
Acq: 31 Mar 2022 06:57

Instrument :
MSVOA_N
ClientSampleId :
RAIL-PILE-2



Tgt Ion:	128	Resp:	71733
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.5	8.6	13.0

