

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031522\
 Data File : VN071299.D
 Acq On : 15 Mar 2022 18:04
 Operator : JC\MD
 Sample : N1918-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AVENUE-X-GROUT-SAMPLE-A

Quant Time: Mar 16 08:05:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

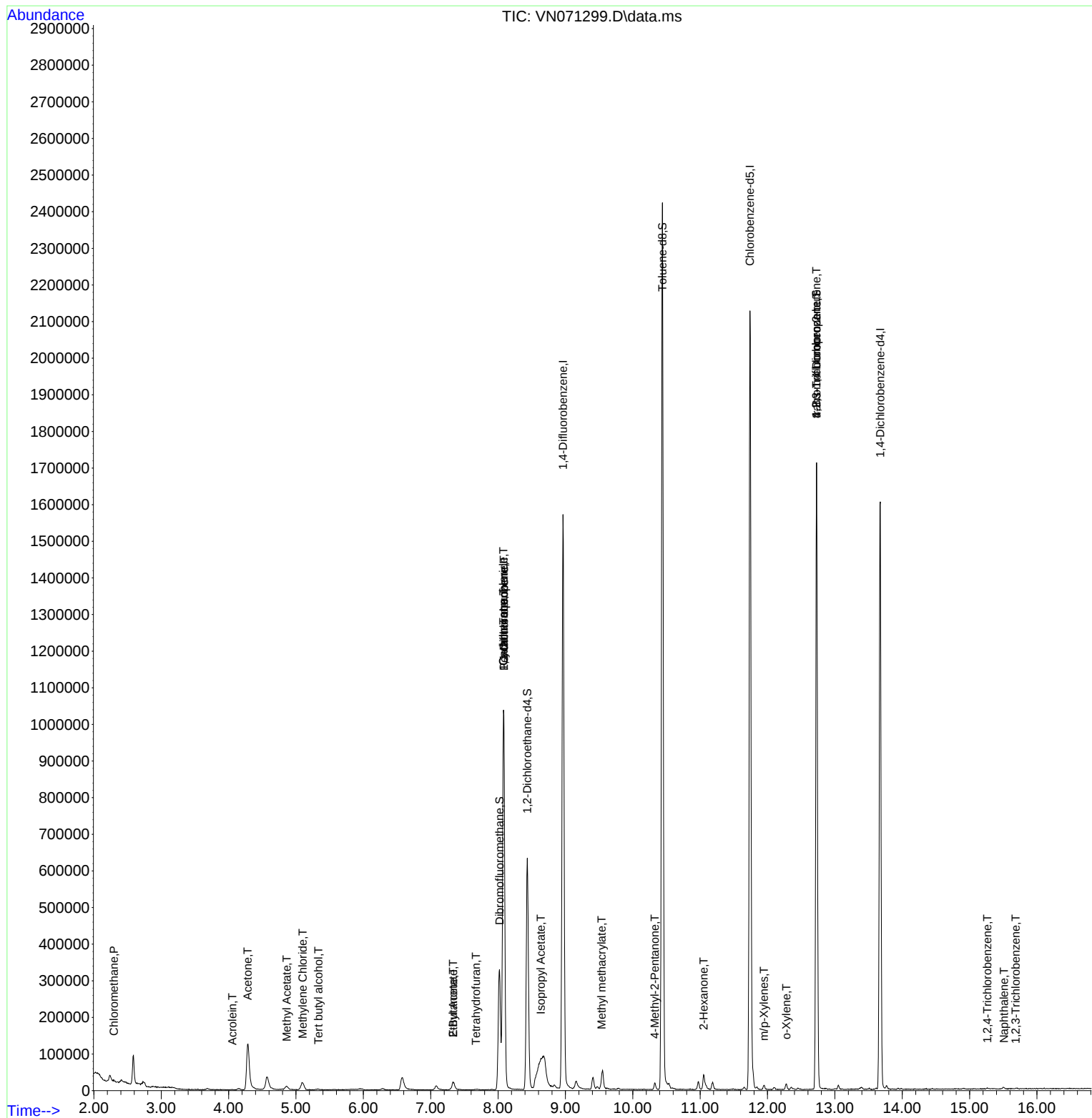
Internal Standards						
1) Pentafluorobenzene	8.086	168	811191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1370552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1253924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	449740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	519729	46.748	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.500%
35) Dibromofluoromethane	8.022	113	247638	28.633	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	57.260%#
50) Toluene-d8	10.439	98	1651751	47.434	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.860%
62) 4-Bromofluorobenzene	12.727	95	601557	51.016	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.040%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2836	0.203	ug/l #	77
5) Bromomethane	2.875	94	1803	Below Cal		85
11) Tert butyl alcohol	5.334	59	1909	0.874	ug/l #	71
13) Acrolein	4.057	56	573	0.248	ug/l #	63
16) Acetone	4.281	43	244322	45.165	ug/l	97
18) Methyl Acetate	4.863	43	19975	1.832	ug/l	95
20) Methylene Chloride	5.098	84	15390	1.927	ug/l	95
25) 2-Butanone	7.334	43	37307	4.281	ug/l	100
29) Tetrahydrofuran	7.675	42	1631	0.270	ug/l #	32
31) Cyclohexane	8.081	56	17385	0.979	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	63726	4.599	ug/l #	48
37) Ethyl Acetate	7.334	43	37307	1.956	ug/l #	68
38) Carbon Tetrachloride	8.081	117	80434	6.001	ug/l #	17
43) Isopropyl Acetate	8.633	43	117583	4.123	ug/l #	55
48) Methyl methacrylate	9.539	41	23911	1.809	ug/l #	18
51) 4-Methyl-2-Pentanone	10.327	43	12226	0.691	ug/l	99
59) 2-Hexanone	11.051	43	41949	3.474	ug/l #	25
68) m/p-Xylenes	11.945	106	4272	0.245	ug/l	86
69) o-Xylene	12.280	106	3572	0.205	ug/l	84
75) 1,1,2,2-Tetrachloroethane	12.827	83	208	Below Cal	#	60
76) 1,2,3-Trichloropropane	12.727	75	304045	26.571	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	304045	73.080	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	957	3.111	ug/l #	71
95) Naphthalene	15.509	128	5134	5.291	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.686	180	1133	2.884	ug/l #	82

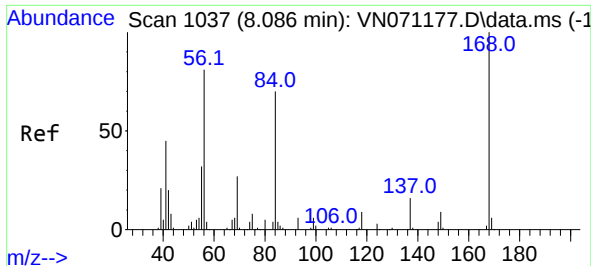
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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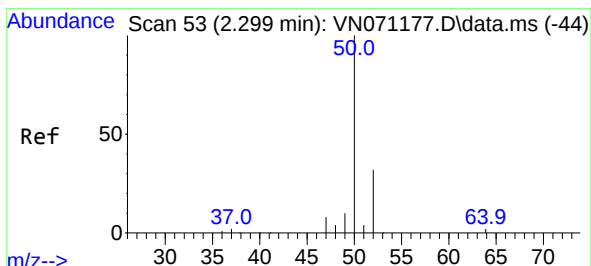
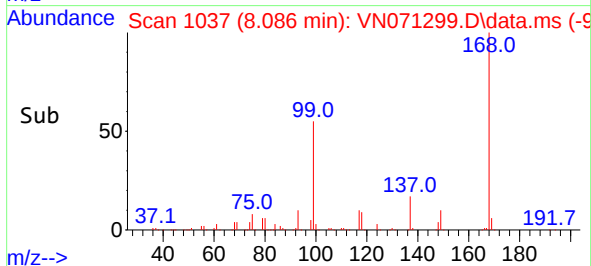
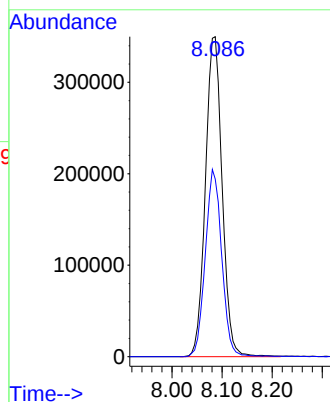
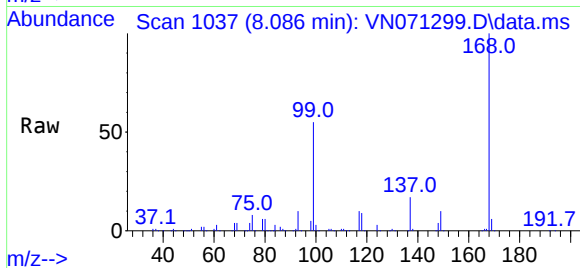




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

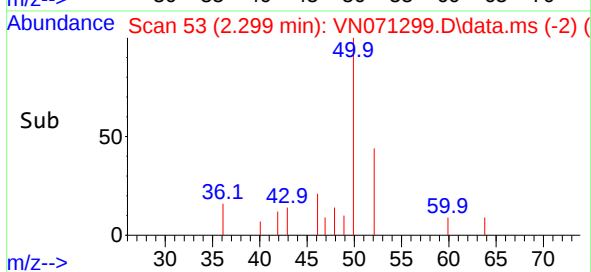
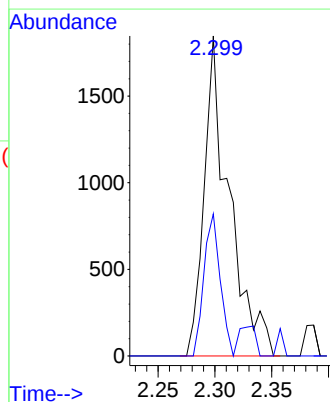
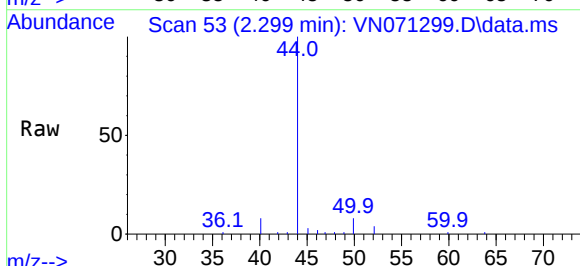
Instrument :
MSVOA_N
ClientSampleId :
AVENUE-X-GROUT-SAMPLE-A

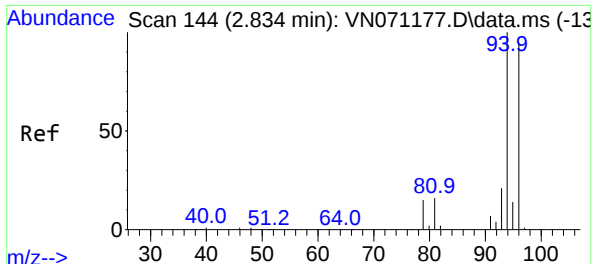
Tgt Ion:168 Resp: 811191
Ion Ratio Lower Upper
168 100
99 55.5 41.3 61.9



#3
Chloromethane
Concen: 0.203 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

Tgt Ion: 50 Resp: 2836
Ion Ratio Lower Upper
50 100
52 44.4 25.4 38.0#

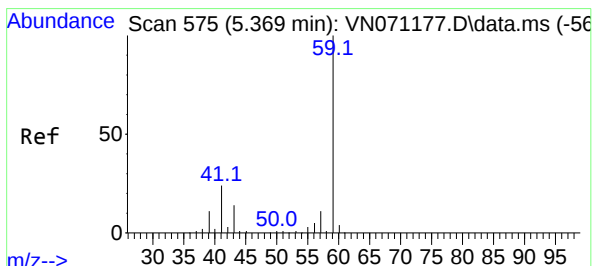
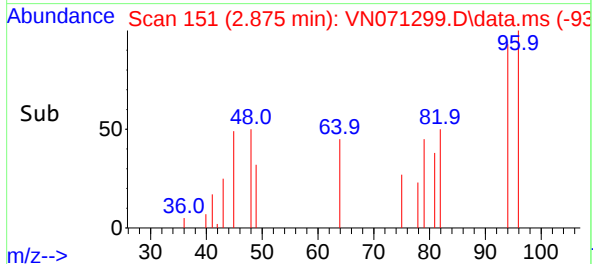
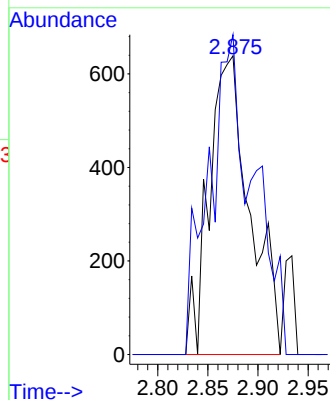
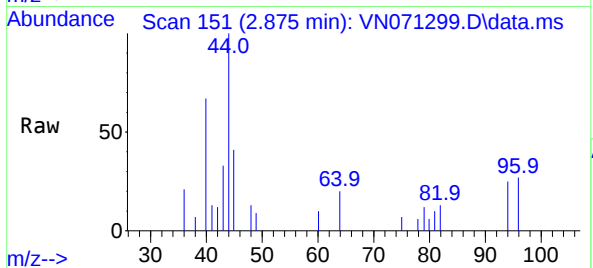




#5
Bromomethane
Concen: Below Cal
RT: 2.875 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

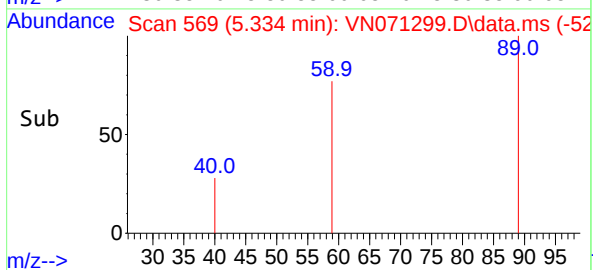
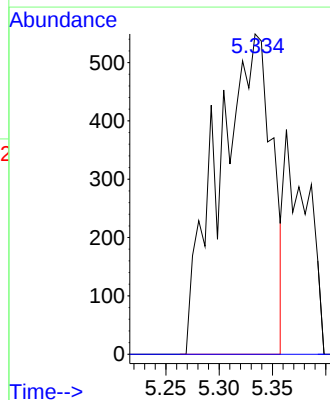
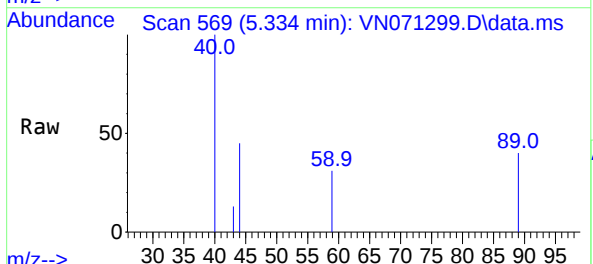
Instrument :
MSVOA_N
ClientSampleId :
AVENUE-X-GROUT-SAMPLE-A

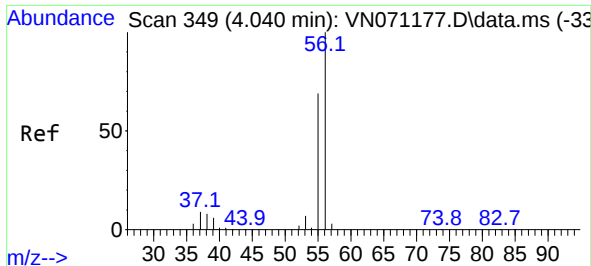
Tgt Ion: 94 Resp: 1803
Ion Ratio Lower Upper
94 100
96 107.0 73.8 110.8



#11
Tert butyl alcohol
Concen: 0.874 ug/l
RT: 5.334 min Scan# 569
Delta R.T. -0.035 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

Tgt Ion: 59 Resp: 1909
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

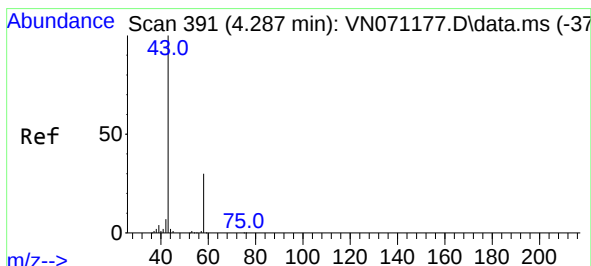
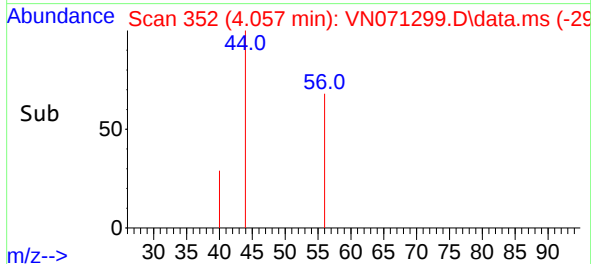
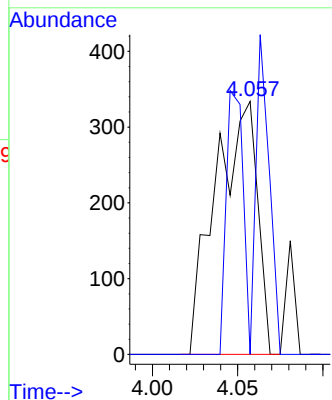
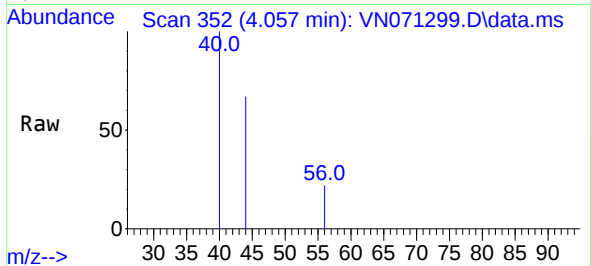




#13
Acrolein
Concen: 0.248 ug/l
RT: 4.057 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

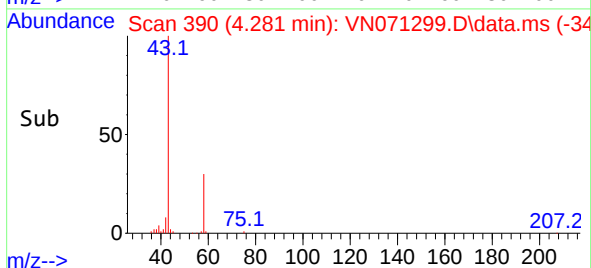
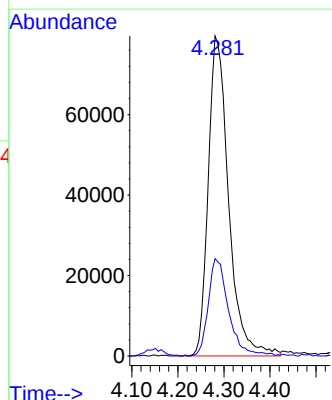
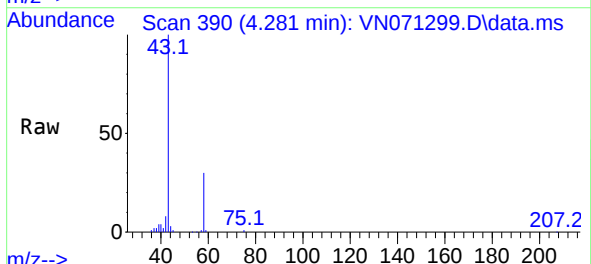
Instrument :
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ClientSampleId :
AVENUE-X-GROUT-SAMPLE-A

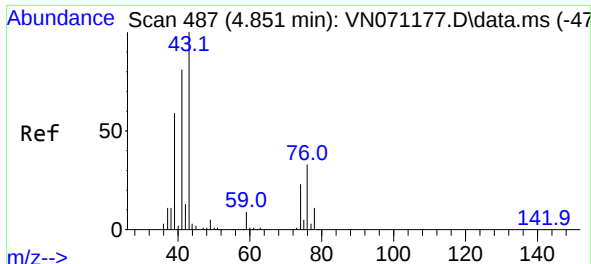
Tgt Ion: 56 Resp: 573
Ion Ratio Lower Upper
56 100
55 40.0 56.6 85.0#



#16
Acetone
Concen: 45.165 ug/l
RT: 4.281 min Scan# 390
Delta R.T. -0.006 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

Tgt Ion: 43 Resp: 244322
Ion Ratio Lower Upper
43 100
58 30.4 23.1 34.7

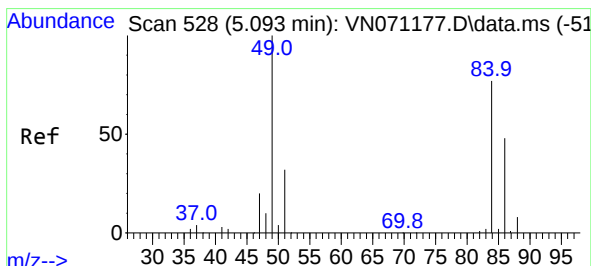
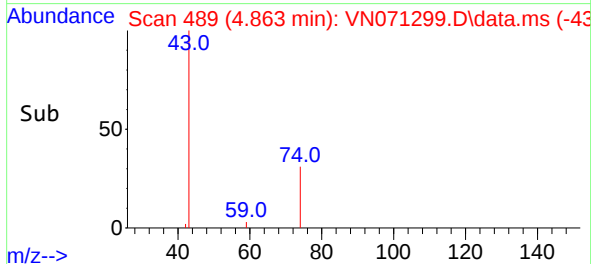
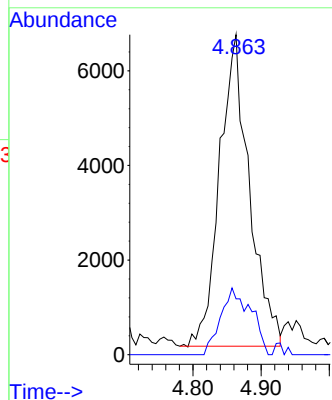
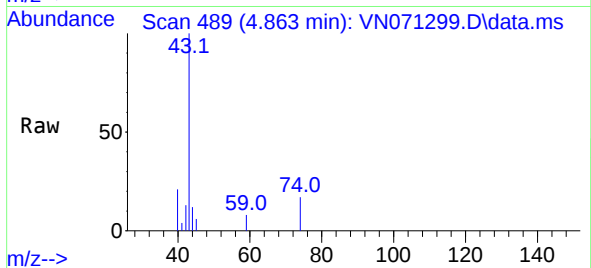




#18
Methyl Acetate
Concen: 1.832 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

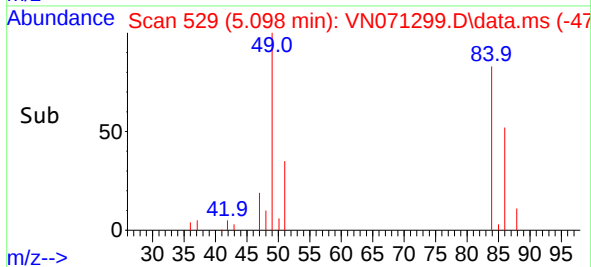
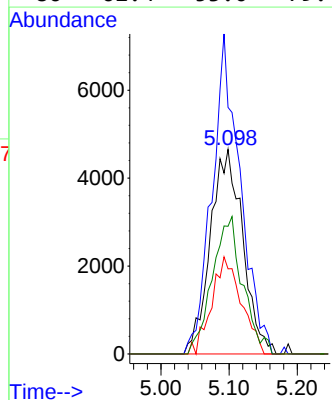
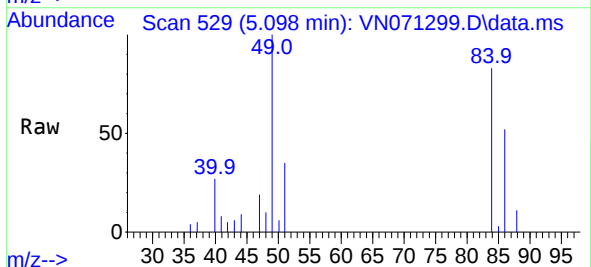
Instrument :
MSVOA_N
ClientSampleId :
AVENUE-X-GROUT-SAMPLE-A

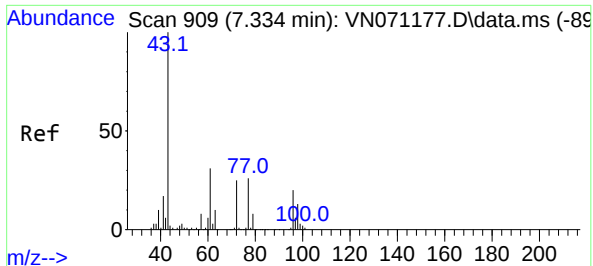
Tgt Ion: 43 Resp: 19975
Ion Ratio Lower Upper
43 100
74 21.7 19.4 29.2



#20
Methylene Chloride
Concen: 1.927 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

Tgt Ion: 84 Resp: 15390
Ion Ratio Lower Upper
84 100
49 120.5 93.5 140.3
51 41.6 29.4 44.2
86 62.4 53.0 79.4

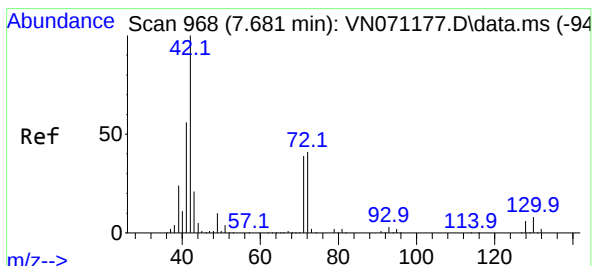
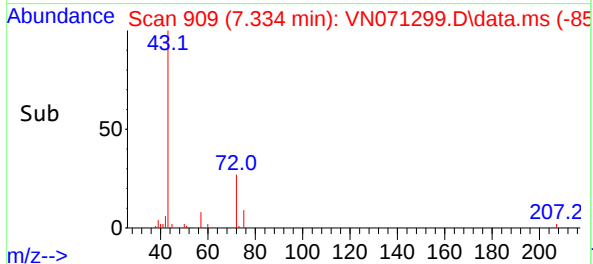
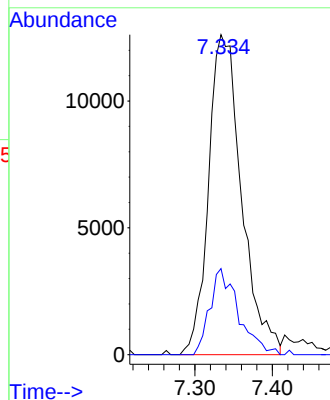
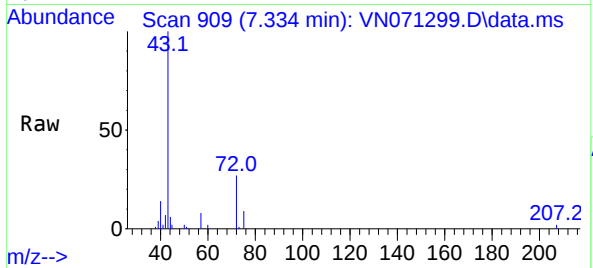




#25
2-Butanone
Concen: 4.281 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.000 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

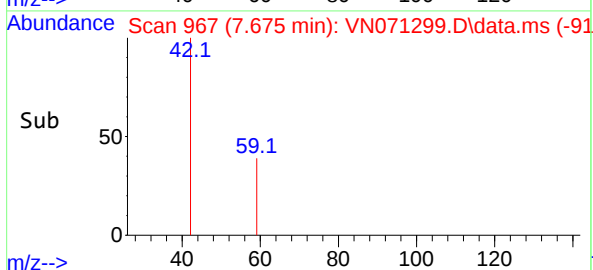
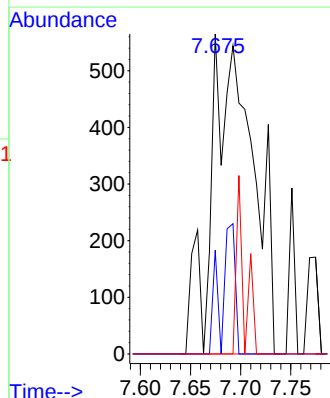
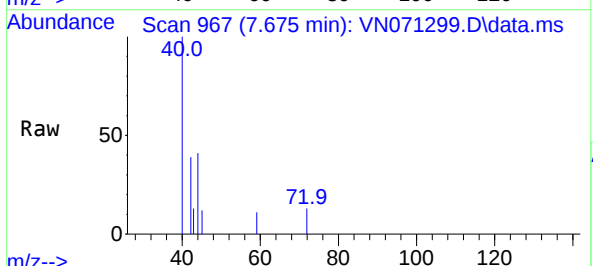
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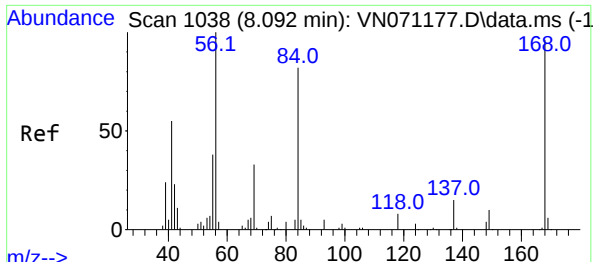
Tgt Ion: 43 Resp: 37307
Ion Ratio Lower Upper
43 100
72 26.9 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.270 ug/l
RT: 7.675 min Scan# 967
Delta R.T. -0.006 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

Tgt Ion: 42 Resp: 1631
Ion Ratio Lower Upper
42 100
72 0.0 36.3 54.5#
71 0.0 34.7 52.1#





#31

Cyclohexane

Concen: 0.979 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071299.D

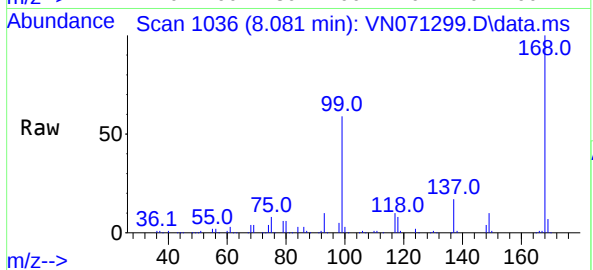
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Instrument :

MSVOA_N

ClientSampleId :

AVENUE-X-GROUT-SAMPLE-A



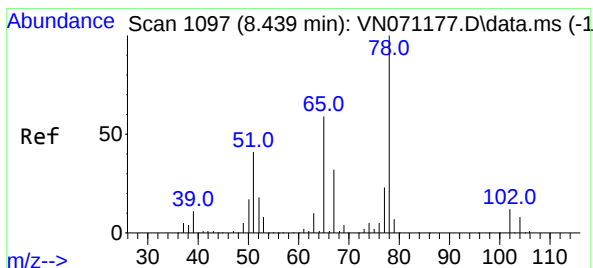
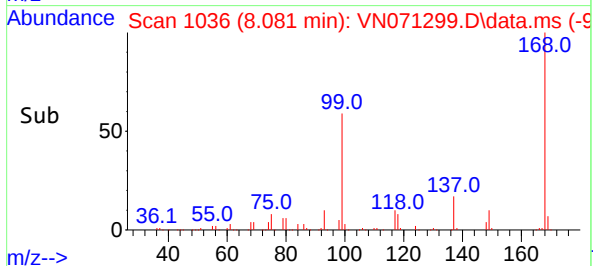
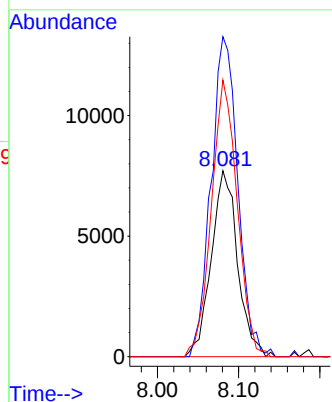
Tgt Ion: 56 Resp: 17385

Ion Ratio Lower Upper

56 100

69 172.1 27.1 40.7#

84 148.8 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 46.748 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071299.D

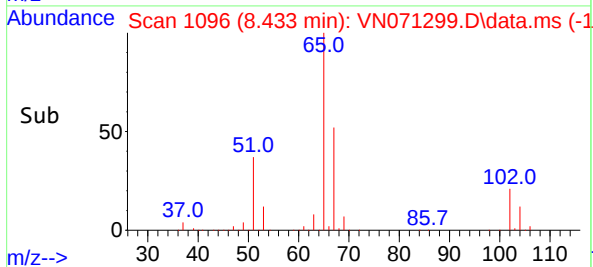
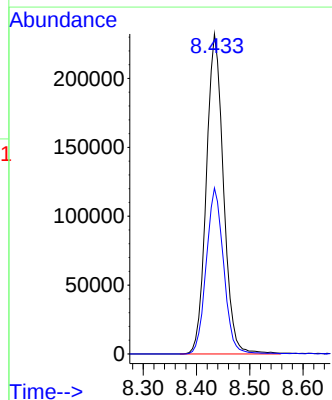
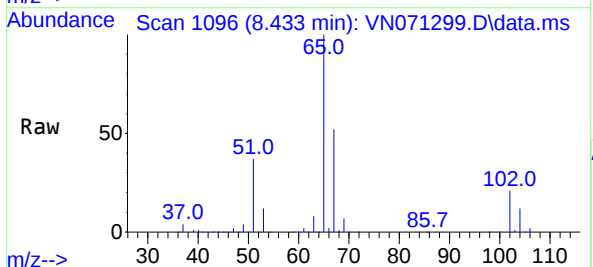
Acq: 15 Mar 2022 18:04

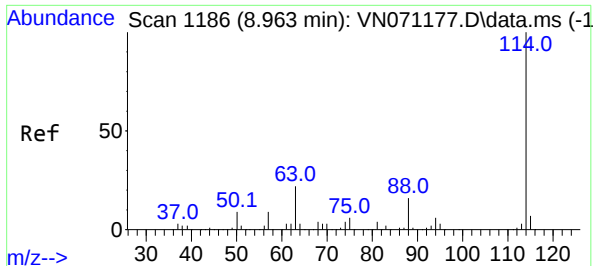
Tgt Ion: 65 Resp: 519729

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.0

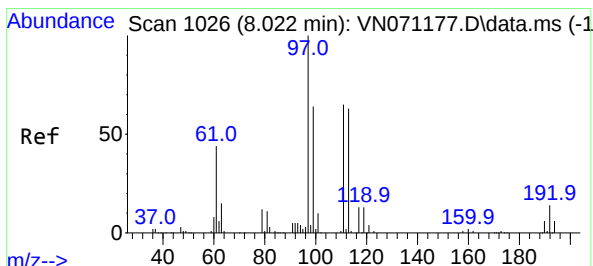
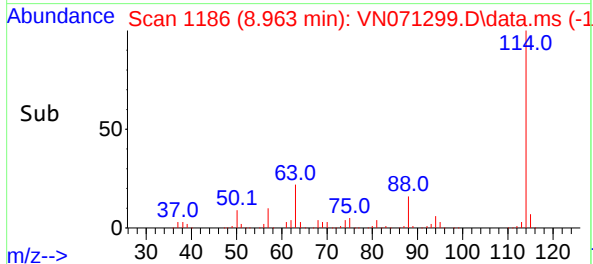
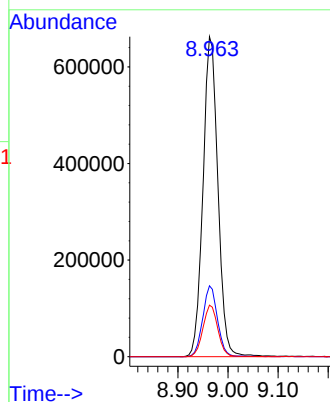
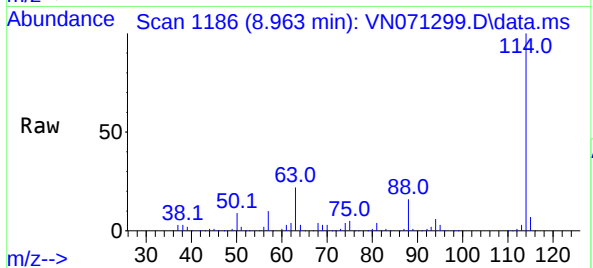




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

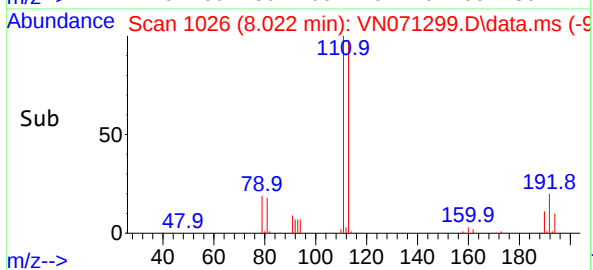
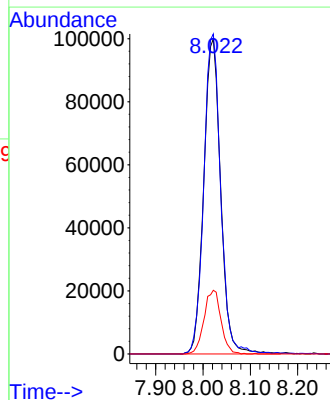
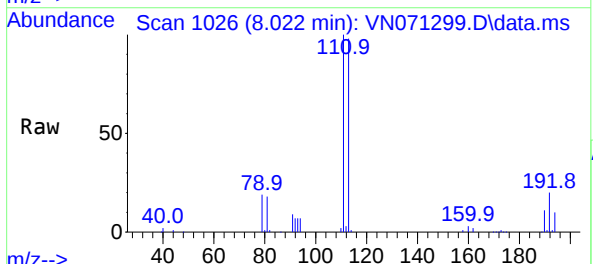
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AVENUE-X-GROUT-SAMPLE-A

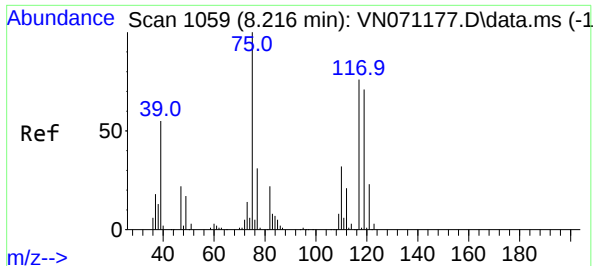
Tgt Ion:114 Resp: 1370552
Ion Ratio Lower Upper
114 100
63 22.1 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 28.633 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

Tgt Ion:113 Resp: 247638
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.2
192 20.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.599 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN071299.D

Acq: 15 Mar 2022 18:04

Instrument :

MSVOA_N

ClientSampleId :

AVENUE-X-GROUT-SAMPLE-A

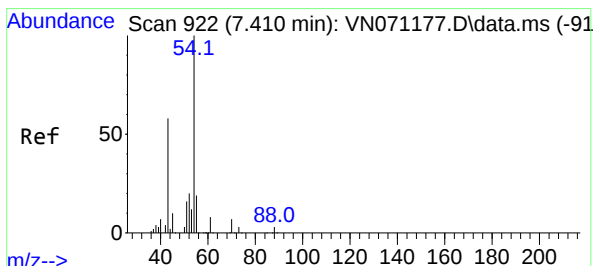
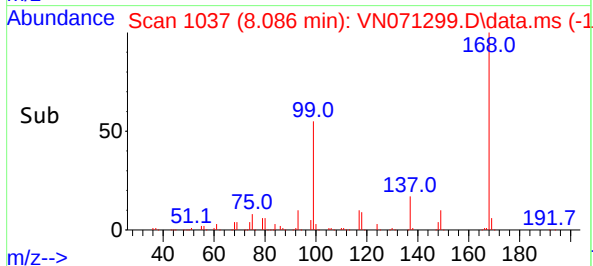
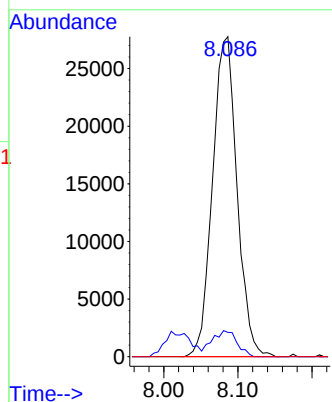
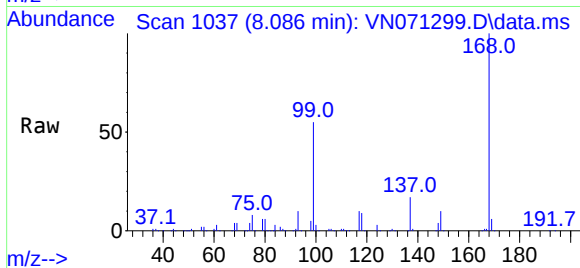
Tgt Ion: 75 Resp: 63726

Ion Ratio Lower Upper

75 100

110 8.3 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.956 ug/l

RT: 7.334 min Scan# 909

Delta R.T. -0.076 min

Lab File: VN071299.D

Acq: 15 Mar 2022 18:04

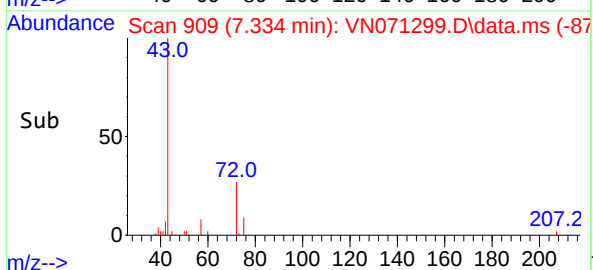
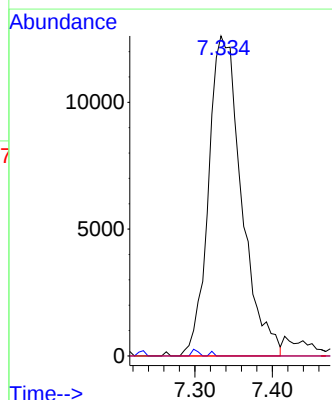
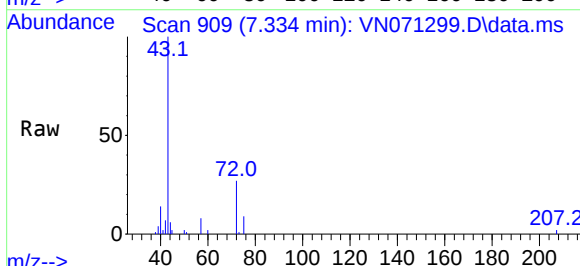
Tgt Ion: 43 Resp: 37307

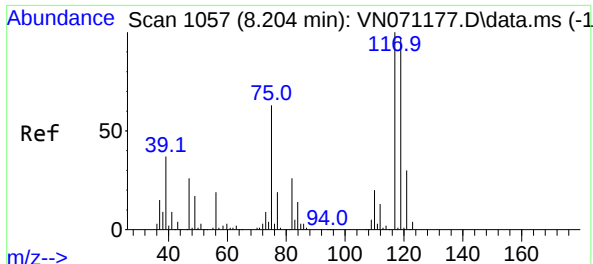
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#

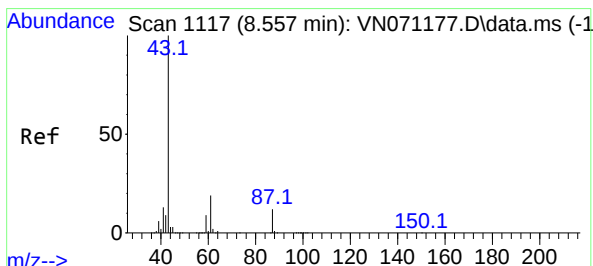
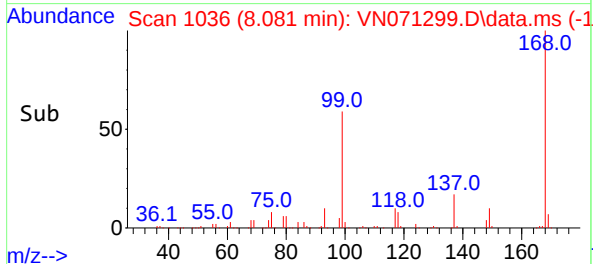
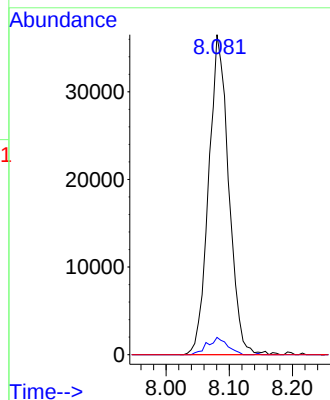
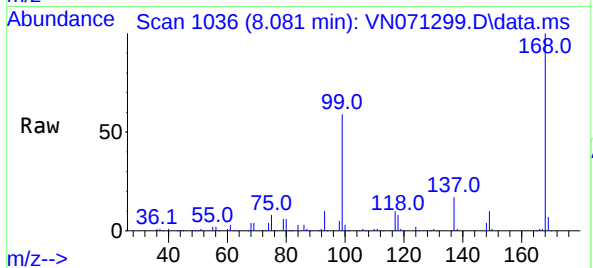




#38
Carbon Tetrachloride
Concen: 6.001 ug/l
RT: 8.081 min Scan# 1130
Delta R.T. -0.123 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

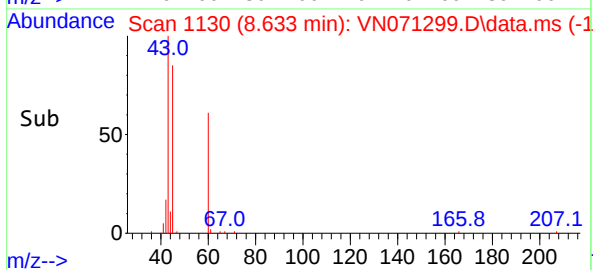
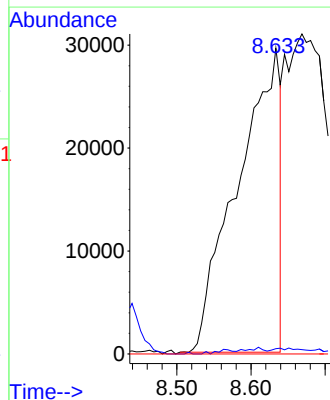
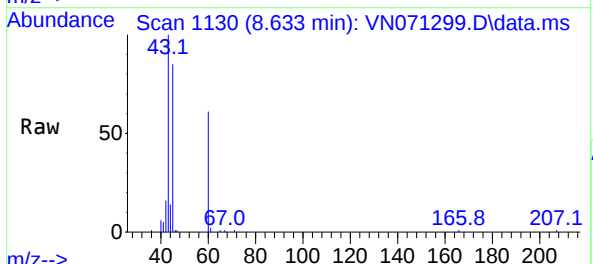
Instrument :
MSVOA_N
ClientSampleId :
AVENUE-X-GROUT-SAMPLE-A

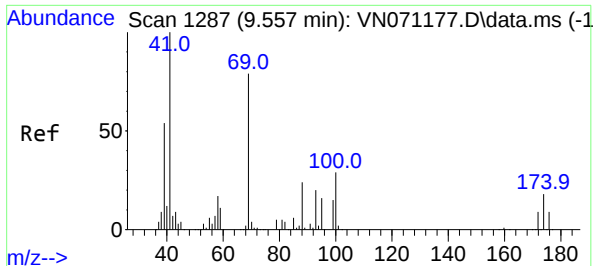
Tgt Ion:117 Resp: 80434
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.123 ug/l
RT: 8.633 min Scan# 1130
Delta R.T. 0.076 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

Tgt Ion: 43 Resp: 117583
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

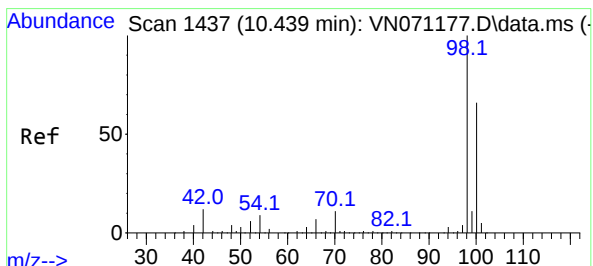
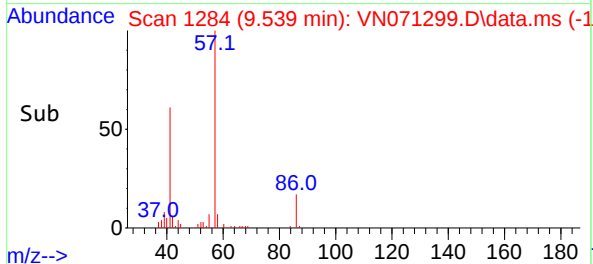
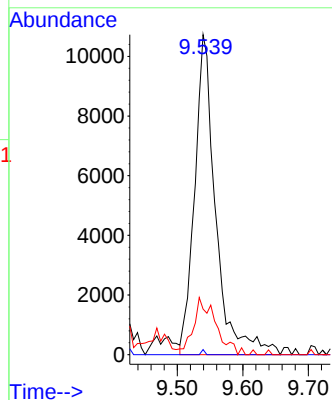
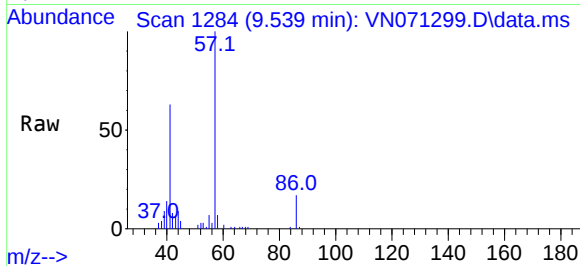




#48
Methyl methacrylate
Concen: 1.809 ug/l
RT: 9.539 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

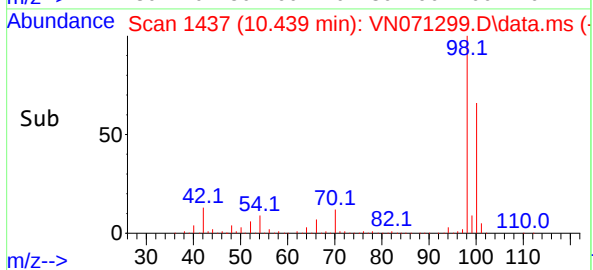
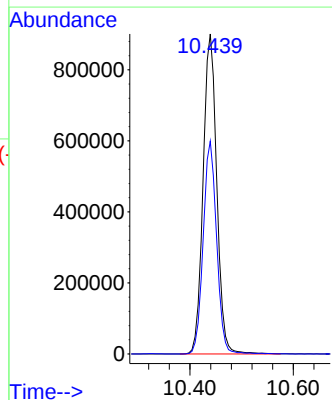
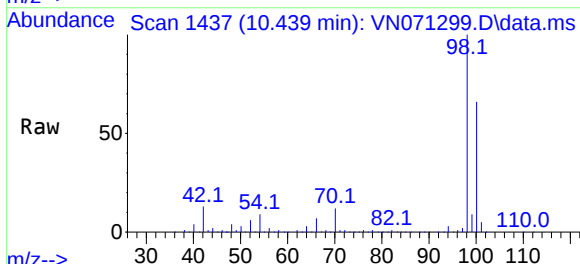
Instrument :
MSVOA_N
ClientSampleId :
AVENUE-X-GROUT-SAMPLE-A

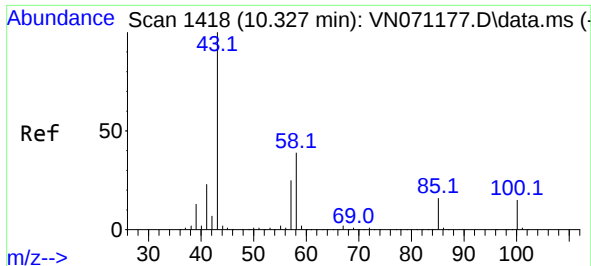
Tgt Ion: 41 Resp: 23911
Ion Ratio Lower Upper
41 100
69 0.3 72.4 108.6#
39 19.1 58.4 87.6#



#50
Toluene-d8
Concen: 47.434 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

Tgt Ion: 98 Resp: 1651751
Ion Ratio Lower Upper
98 100
100 65.3 50.4 75.6

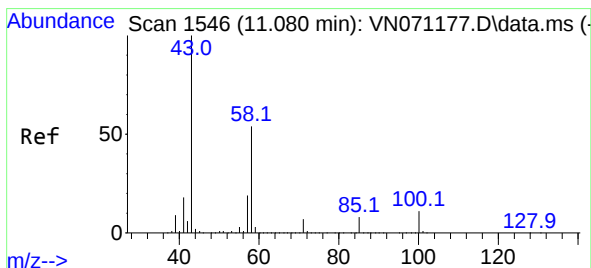
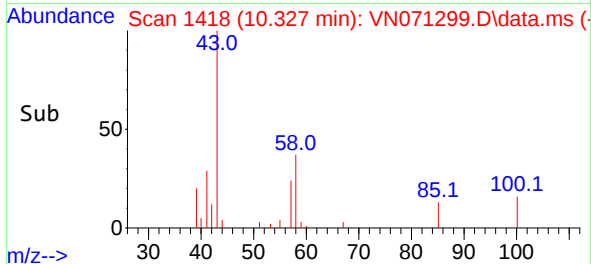
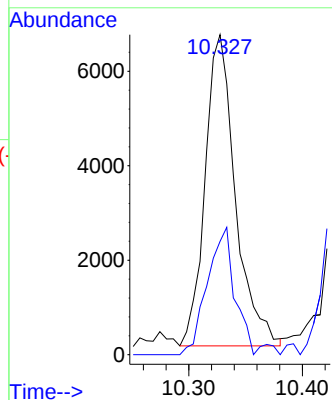
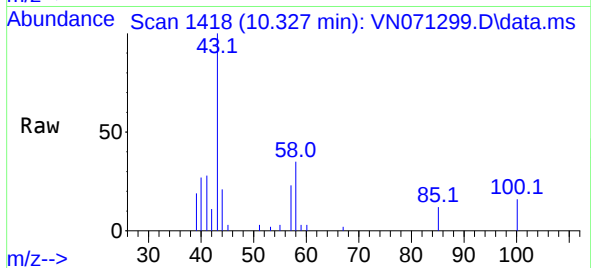




#51
4-Methyl-2-Pentanone
Concen: 0.691 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

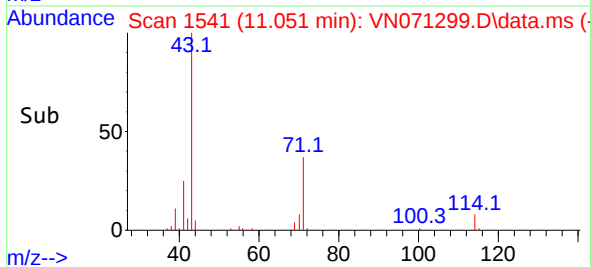
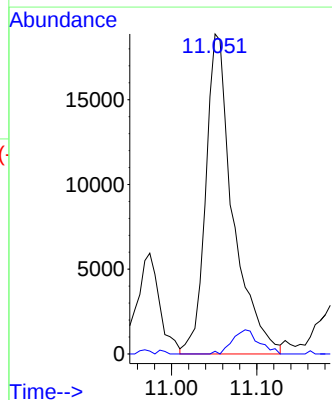
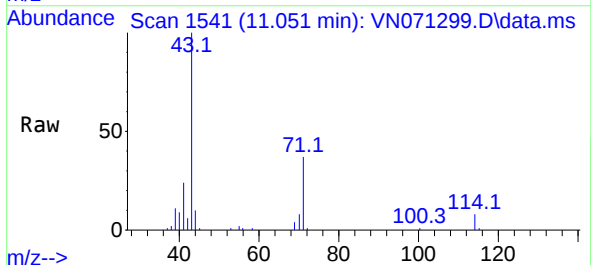
Instrument :
MSVOA_N
ClientSampleId :
AVENUE-X-GROUT-SAMPLE-A

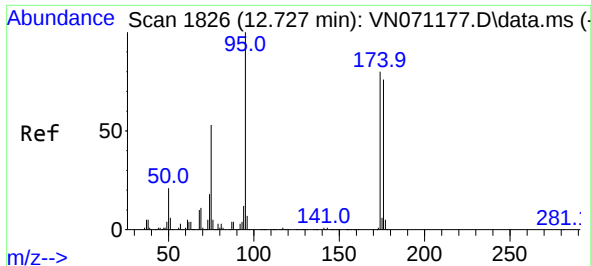
Tgt Ion: 43 Resp: 12226
Ion Ratio Lower Upper
43 100
58 37.3 30.4 45.6



#59
2-Hexanone
Concen: 3.474 ug/l
RT: 11.051 min Scan# 1541
Delta R.T. -0.029 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

Tgt Ion: 43 Resp: 41949
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.7#

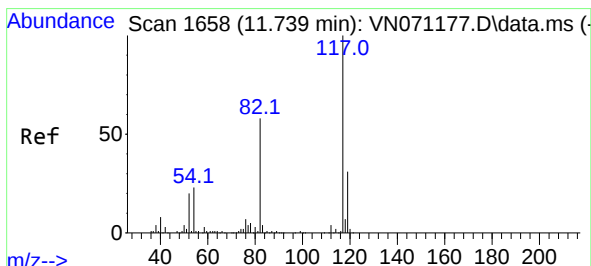
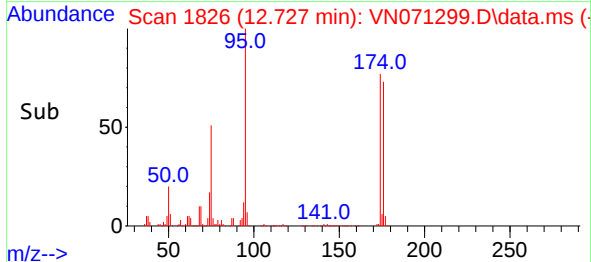
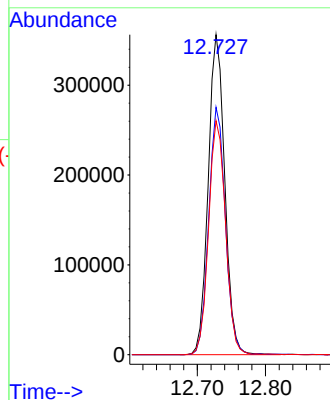
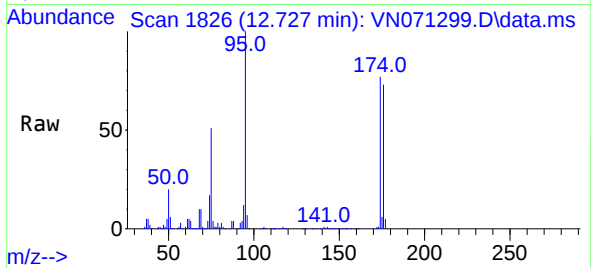




#62
4-Bromofluorobenzene
Concen: 51.016 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

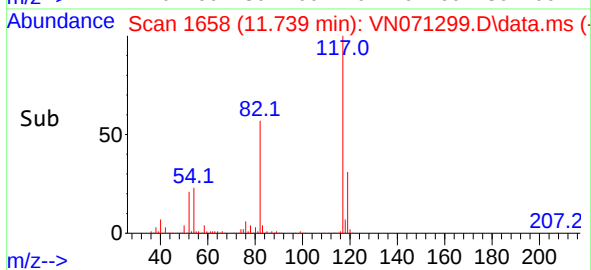
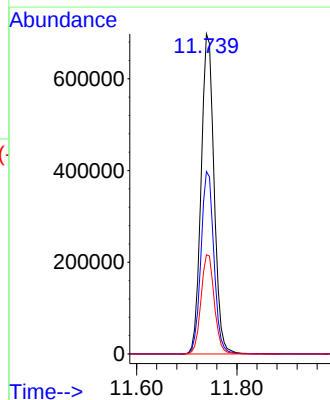
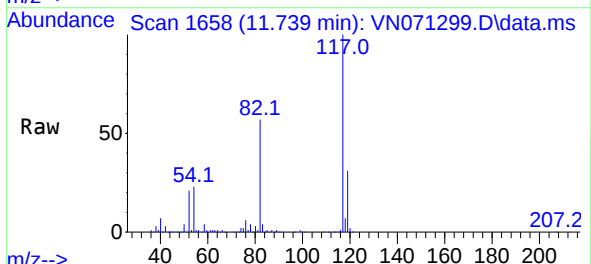
Instrument :
MSVOA_N
ClientSampleId :
AVENUE-X-GROUT-SAMPLE-A

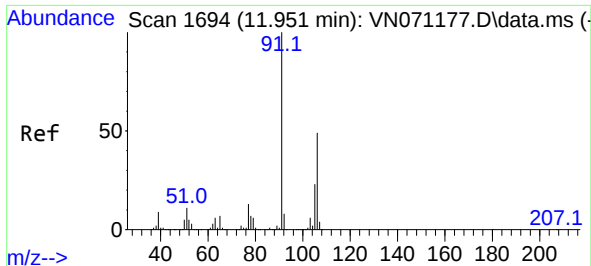
Tgt Ion: 95 Resp: 601557
Ion Ratio Lower Upper
95 100
174 77.8 0.0 187.2
176 74.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

Tgt Ion: 117 Resp: 1253924
Ion Ratio Lower Upper
117 100
82 57.0 42.4 63.6
119 31.0 25.4 38.2

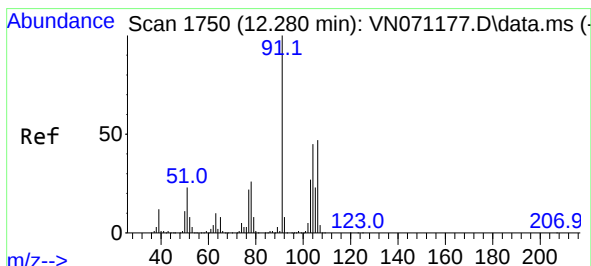
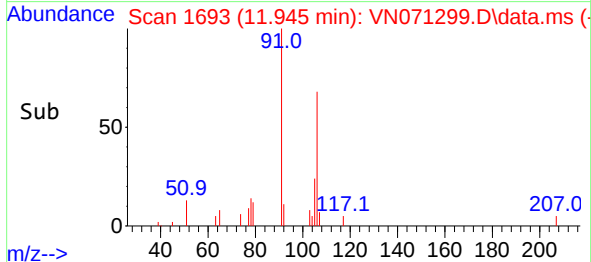
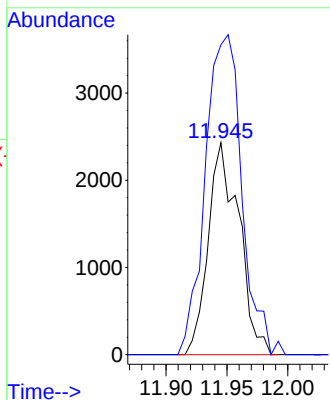
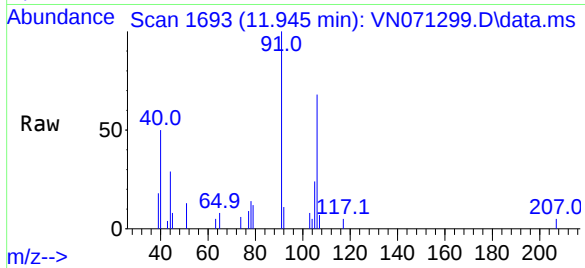




#68
m/p-Xylenes
Concen: 0.245 ug/l
RT: 11.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

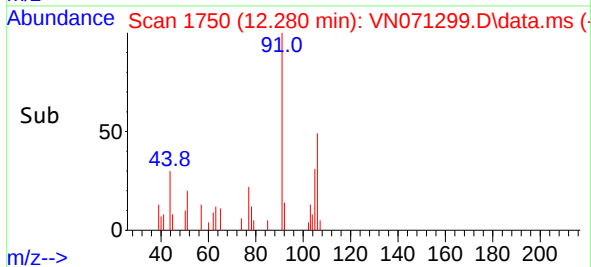
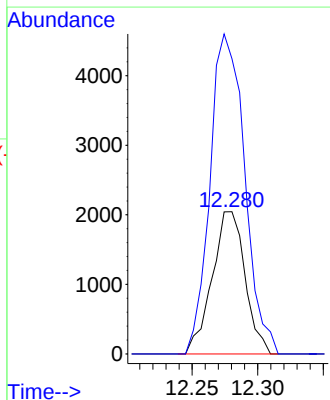
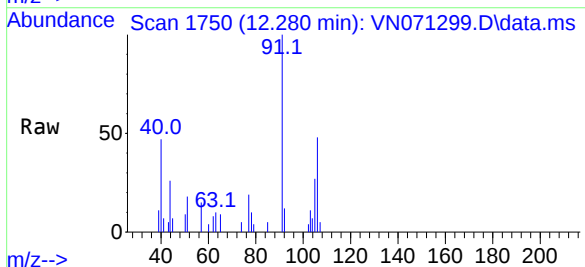
Instrument :
MSVOA_N
ClientSampleId :
AVENUE-X-GROUT-SAMPLE-A

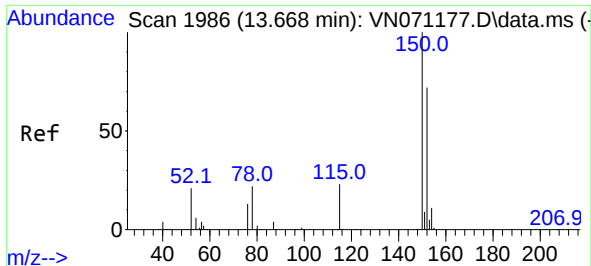
Tgt Ion:106 Resp: 4272
Ion Ratio Lower Upper
106 100
91 179.4 160.6 240.8



#69
o-Xylene
Concen: 0.205 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

Tgt Ion:106 Resp: 3572
Ion Ratio Lower Upper
106 100
91 236.8 105.8 317.3

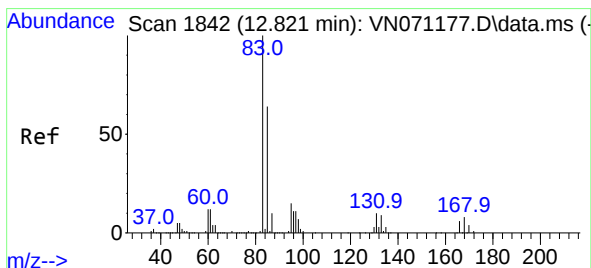
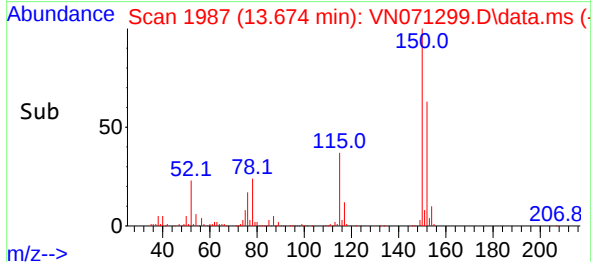
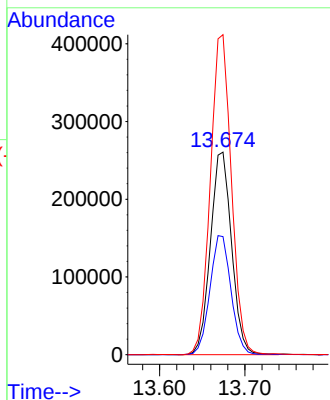
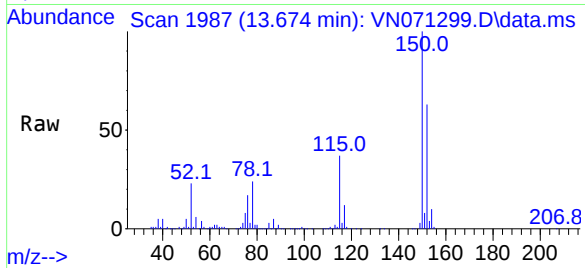




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

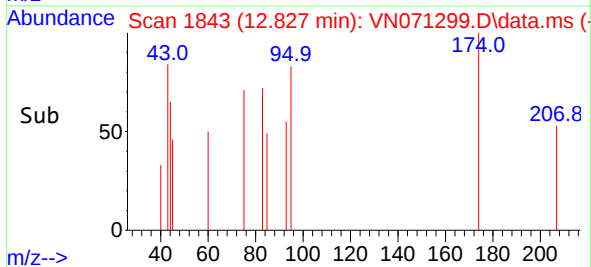
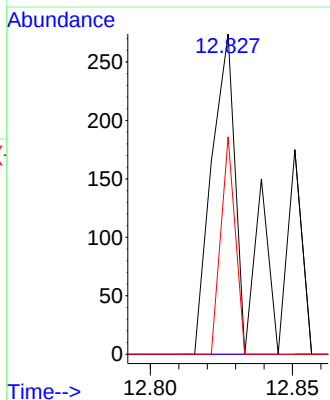
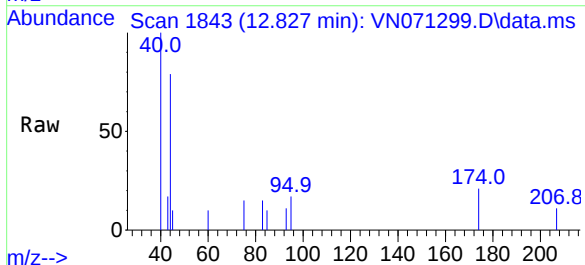
Instrument :
MSVOA_N
ClientSampleId :
AVENUE-X-GROUT-SAMPLE-A

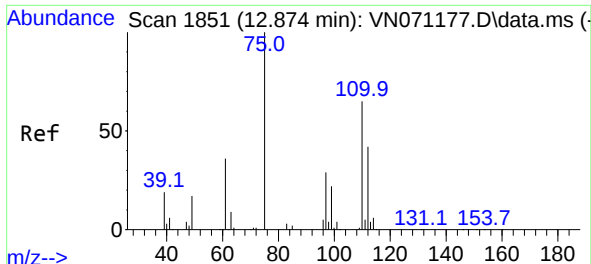
Tgt Ion:152 Resp: 449740
Ion Ratio Lower Upper
152 100
115 58.5 27.5 82.5
150 157.4 0.0 344.4



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.827 min Scan# 1843
Delta R.T. 0.006 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

Tgt Ion: 83 Resp: 208
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 31.7 32.4 97.2#

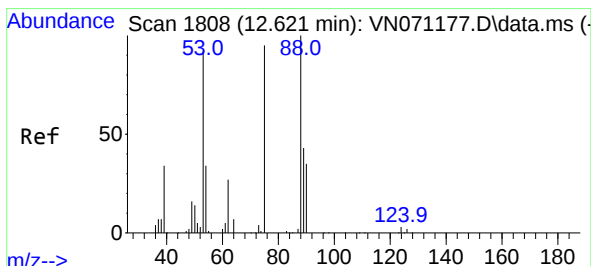
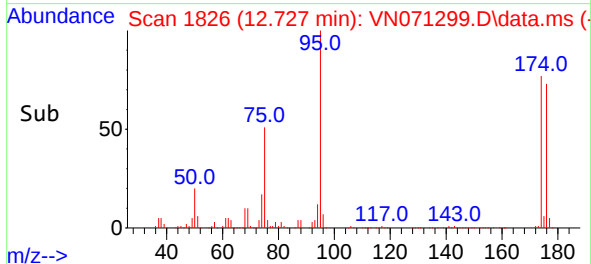
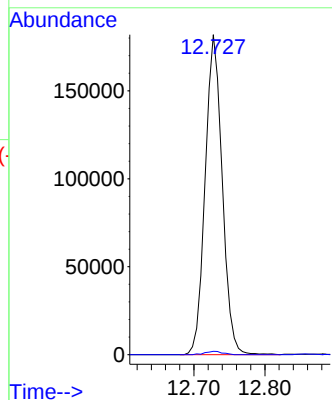
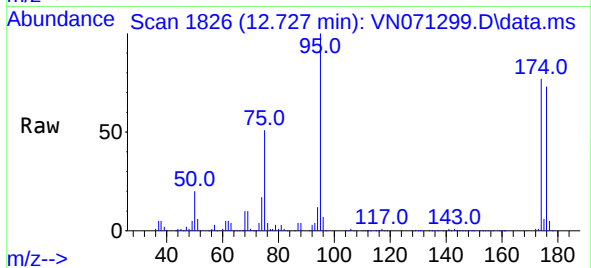




#76
1,2,3-Trichloropropane
Concen: 26.571 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

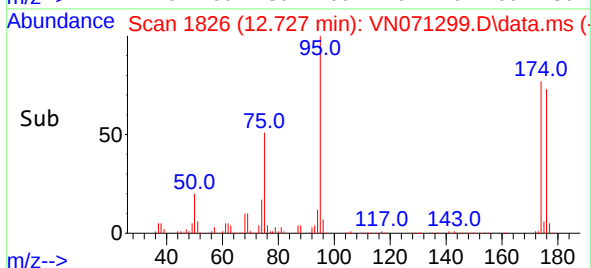
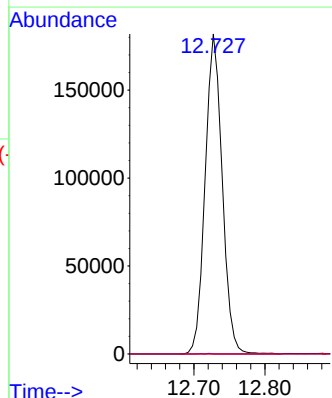
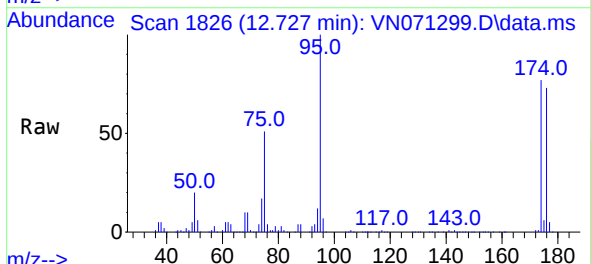
Instrument :
MSVOA_N
ClientSampleId :
AVENUE-X-GROUT-SAMPLE-A

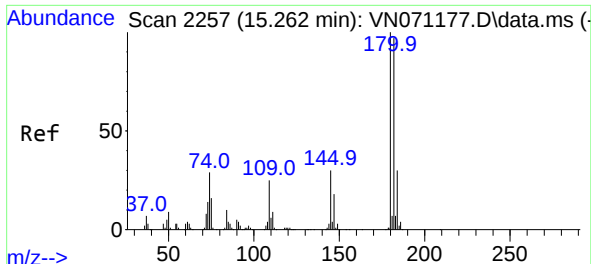
Tgt Ion: 75 Resp: 304045
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.080 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071299.D
Acq: 15 Mar 2022 18:04

Tgt Ion: 75 Resp: 304045
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 3.111 ug/l

RT: 15.262 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN071299.D

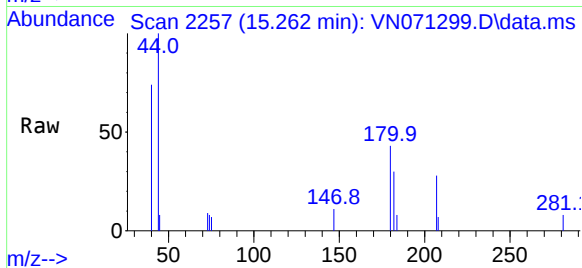
Acq: 15 Mar 2022 18:04

Instrument :

MSVOA_N

ClientSampleId :

AVENUE-X-GROUT-SAMPLE-A



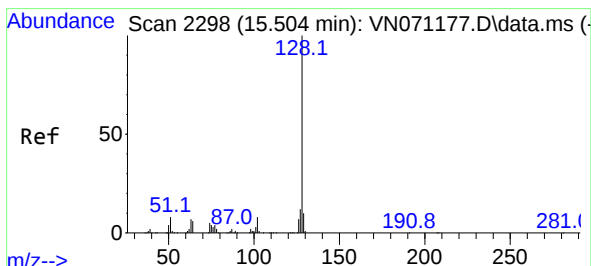
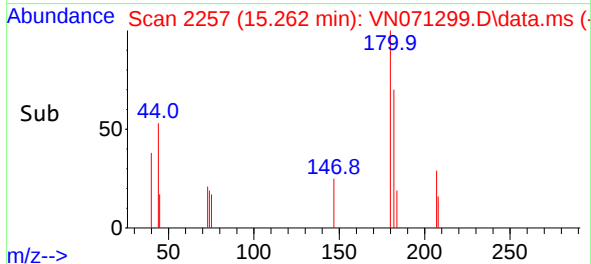
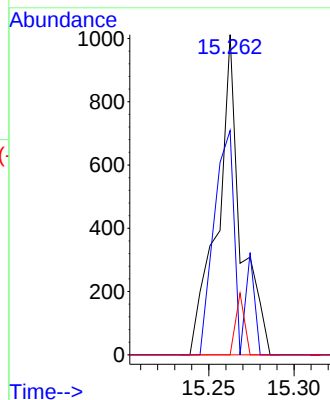
Tgt Ion:180 Resp: 957

Ion Ratio Lower Upper

180 100

182 71.6 48.3 144.9

145 7.2 14.5 43.5#



#95

Naphthalene

Concen: 5.291 ug/l

RT: 15.509 min Scan# 2299

Delta R.T. 0.005 min

Lab File: VN071299.D

Acq: 15 Mar 2022 18:04

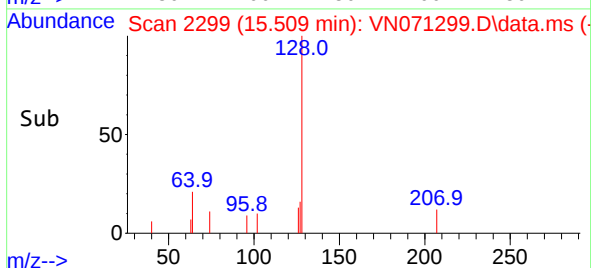
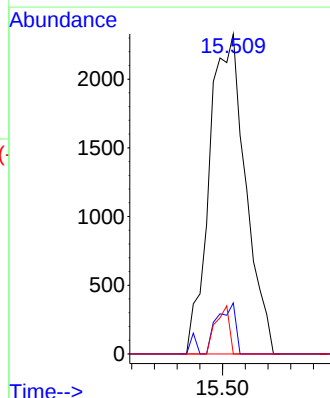
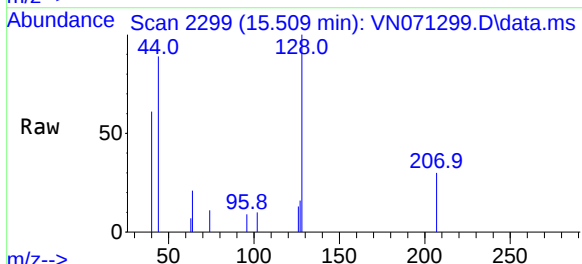
Tgt Ion:128 Resp: 5134

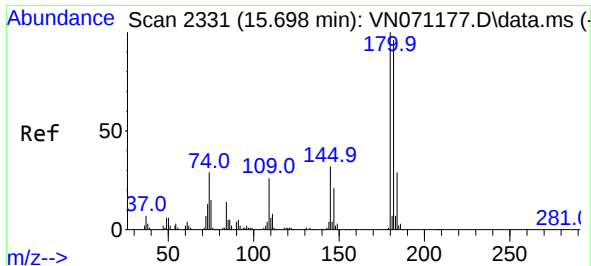
Ion Ratio Lower Upper

128 100

127 8.1 10.5 15.7#

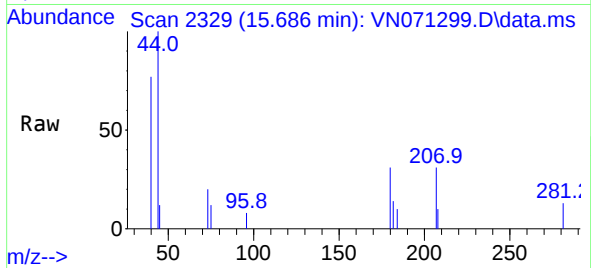
129 5.7 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.884 ug/l
 RT: 15.686 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN071299.D
 Acq: 15 Mar 2022 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 AVENUE-X-GROUT-SAMPLE-A



Tgt Ion:180 Resp: 1133
 Ion Ratio Lower Upper
 180 100
 182 81.6 47.4 142.2
 145 13.0 15.0 45.1#

