

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042122\
 Data File : VN072129.D
 Acq On : 21 Apr 2022 16:45
 Operator : JC\MD
 Sample : N2474-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TMS-JET-GROUT-SPOILS-BRE

Quant Time: Apr 22 01:24:55 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)

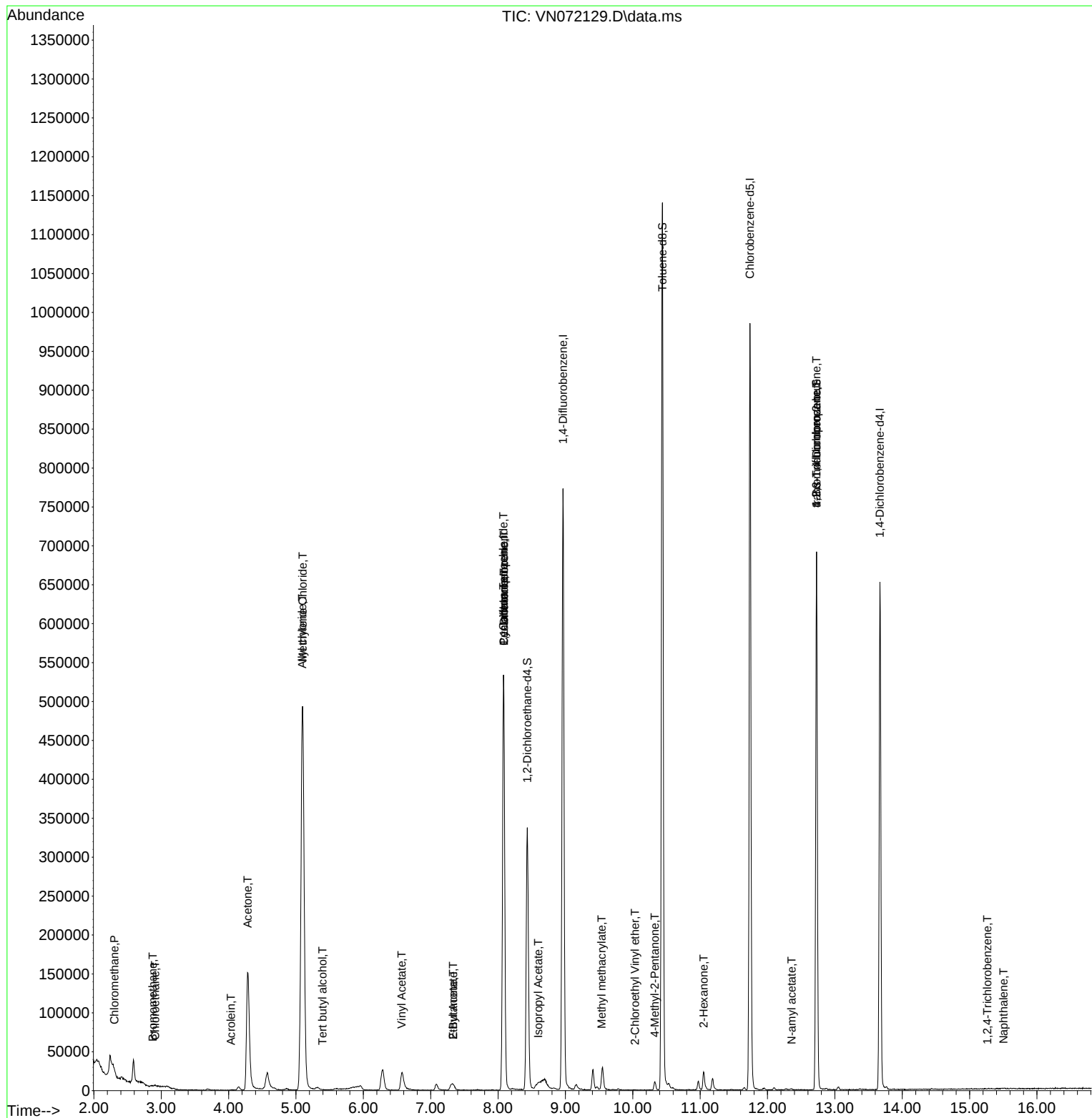
Internal Standards						
1) Pentafluorobenzene	8.086	168	454862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	727723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	627589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	201730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	278357	53.605	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.200%			
35) Dibromofluoromethane	8.028	113	66	0.015	ug/l	0.01
Spiked Amount 50.000	Range 69 - 133		Recovery = 0.040%#			
50) Toluene-d8	10.439	98	858475	49.006	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.020%			
62) 4-Bromofluorobenzene	12.727	95	248810	43.917	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 87.840%			
Target Compounds					Qvalue	
3) Chloromethane	2.304	50	1856	0.405	ug/l #	87
5) Bromomethane	2.875	94	1188	0.363	ug/l	95
6) Chloroethane	2.910	64	868	0.240	ug/l	93
11) Tert butyl alcohol	5.392	59	171	0.203	ug/l #	72
13) Acrolein	4.034	56	280	0.273	ug/l #	45
14) Allyl chloride	5.092	41	11756	1.929	ug/l #	24
16) Acetone	4.281	43	288125	129.832	ug/l	93
18) Methyl Acetate	4.851	43	1859	Below Cal		96
20) Methylene Chloride	5.098	84	453179	96.884	ug/l	94
23) Vinyl Acetate	6.569	43	4515	0.428	ug/l #	68
25) 2-Butanone	7.333	43	10434	3.261	ug/l	95
31) Cyclohexane	8.086	56	7114	1.007	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	30041	5.024	ug/l #	48
37) Ethyl Acetate	7.333	43	10434	1.594	ug/l #	67
38) Carbon Tetrachloride	8.080	117	40675	6.940	ug/l #	17
43) Isopropyl Acetate	8.598	43	8283	0.761	ug/l #	53
48) Methyl methacrylate	9.539	41	11585	2.565	ug/l #	19
51) 4-Methyl-2-Pentanone	10.327	43	7866	1.257	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.033	63	74	16.999	ug/l #	44
59) 2-Hexanone	11.051	43	20874	4.737	ug/l #	21
74) N-amyl acetate	12.357	43	1396	0.287	ug/l #	41
76) 1,2,3-Trichloropropane	12.727	75	116194	24.864	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	116194	77.052	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.262	180	56	2.102	ug/l #	12
95) Naphthalene	15.504	128	1085	3.912	ug/l #	69

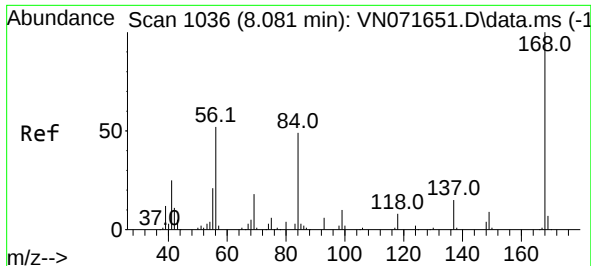
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042122\
Data File : VN072129.D
Acq On : 21 Apr 2022 16:45
Operator : JC\MD
Sample : N2474-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TMS-JET-GROUT-SPOILS-BRE

Quant Time: Apr 22 01:24:55 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

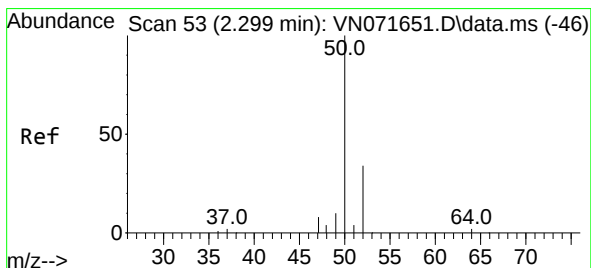
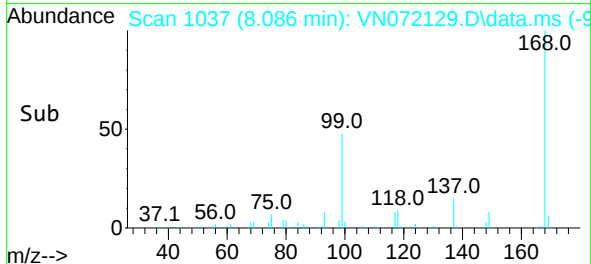
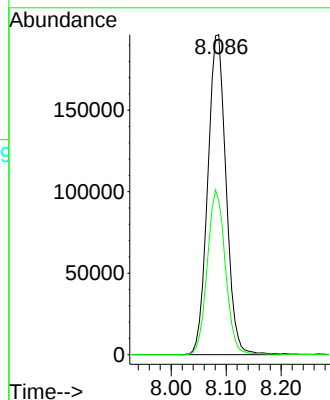
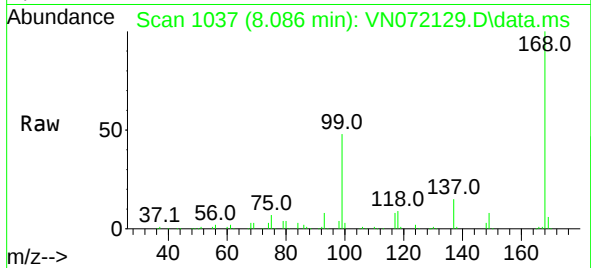




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

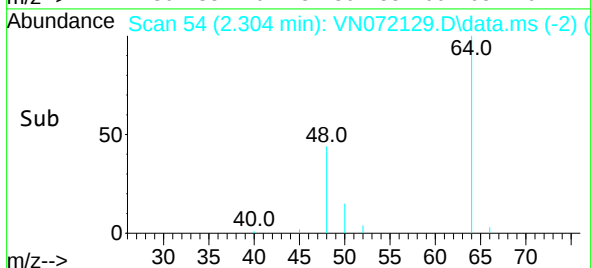
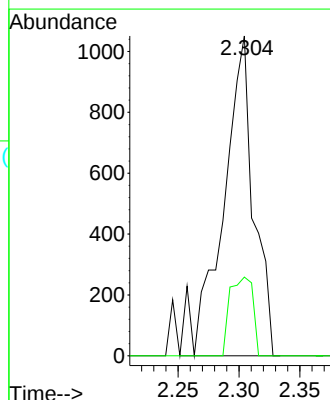
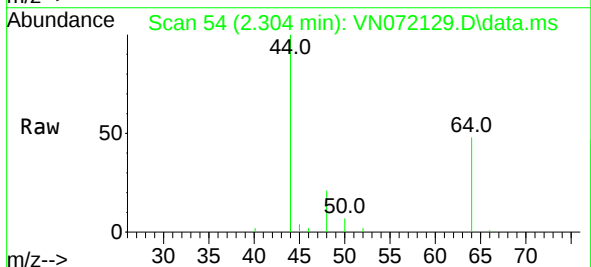
Instrument :
MSVOA_N
ClientSampleId :
TMS-JET-GROUT-SPOILS-BRE

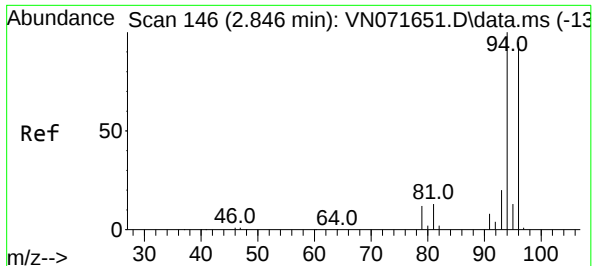
Tgt Ion:168 Resp: 454862
Ion Ratio Lower Upper
168 100
99 48.1 42.3 63.5



#3
Chloromethane
Concen: 0.405 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 50 Resp: 1856
Ion Ratio Lower Upper
50 100
52 24.6 25.7 38.5#





#5

Bromomethane

Concen: 0.363 ug/l

RT: 2.875 min Scan# 11

Delta R.T. 0.029 min

Lab File: VN072129.D

Acq: 21 Apr 2022 16:45

Instrument :

MSVOA_N

ClientSampleId :

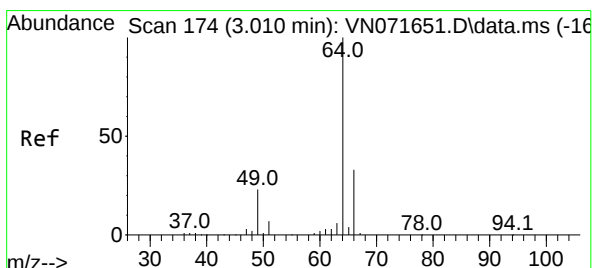
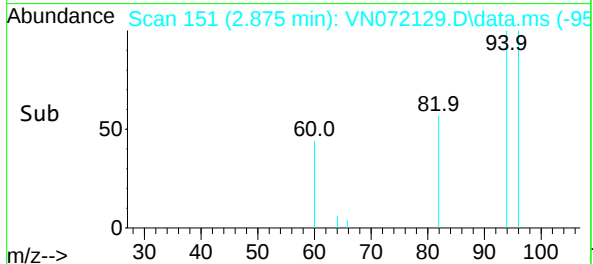
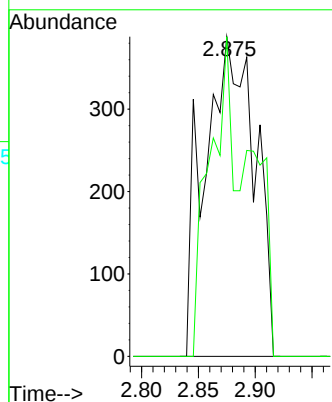
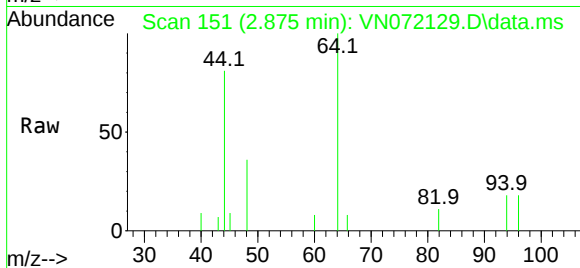
TMS-JET-GROUT-SPOILS-BRE

Tgt Ion: 94 Resp: 1188

Ion Ratio Lower Upper

94 100

96 100.0 76.0 114.0



#6

Chloroethane

Concen: 0.240 ug/l

RT: 2.910 min Scan# 157

Delta R.T. -0.100 min

Lab File: VN072129.D

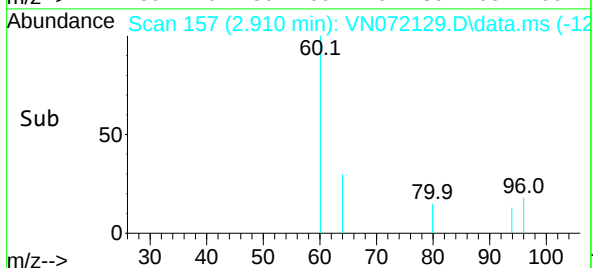
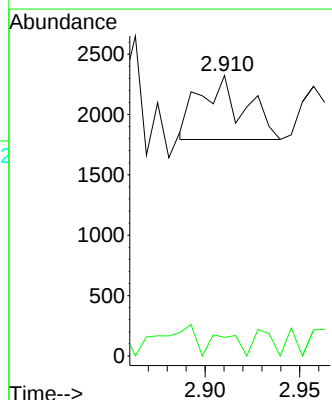
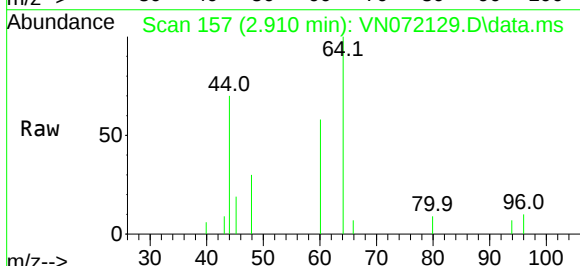
Acq: 21 Apr 2022 16:45

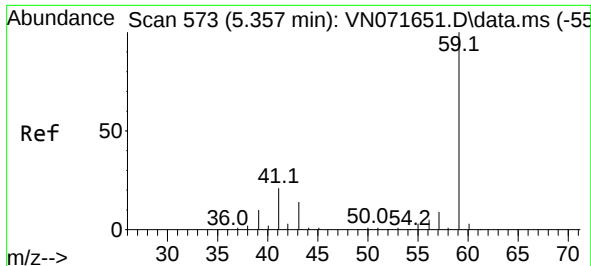
Tgt Ion: 64 Resp: 868

Ion Ratio Lower Upper

64 100

66 29.1 26.2 39.4





#11

Tert butyl alcohol

Concen: 0.203 ug/l

RT: 5.392 min Scan# 51

Delta R.T. 0.035 min

Lab File: VN072129.D

Acq: 21 Apr 2022 16:45

Instrument :

MSVOA_N

ClientSampleId :

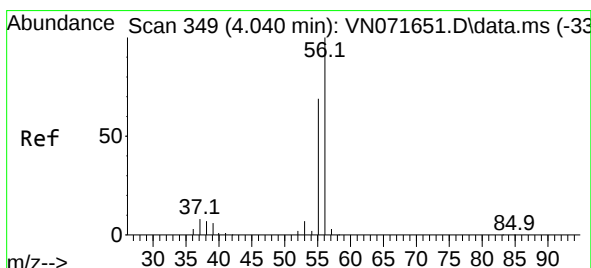
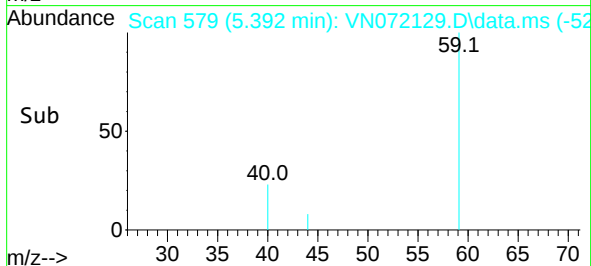
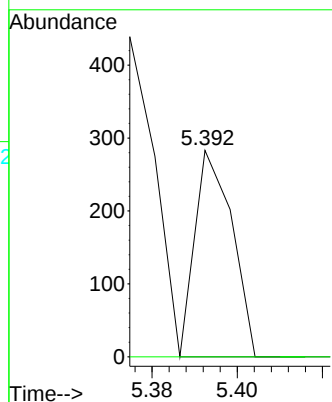
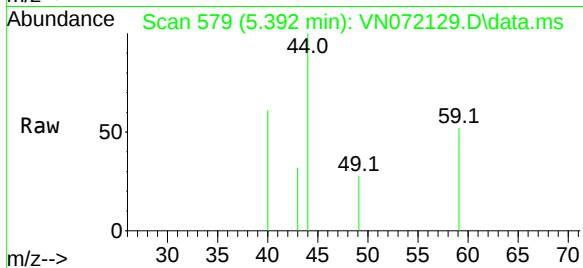
TMS-JET-GROUT-SPOILS-BRE

Tgt Ion: 59 Resp: 171

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.273 ug/l

RT: 4.034 min Scan# 348

Delta R.T. -0.006 min

Lab File: VN072129.D

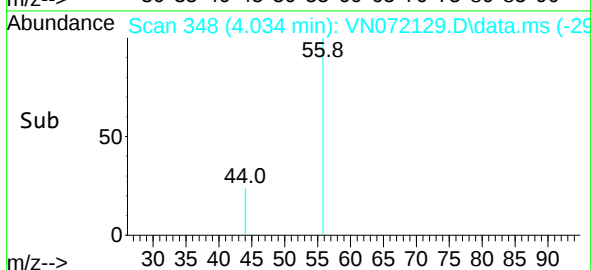
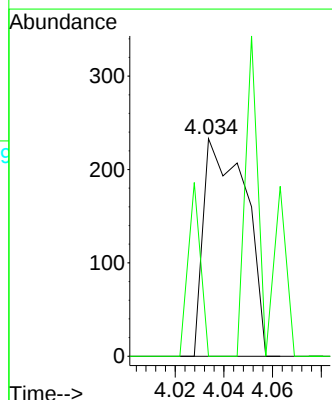
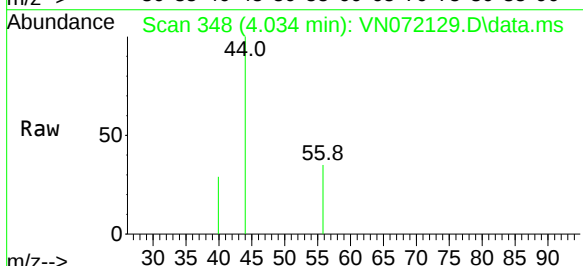
Acq: 21 Apr 2022 16:45

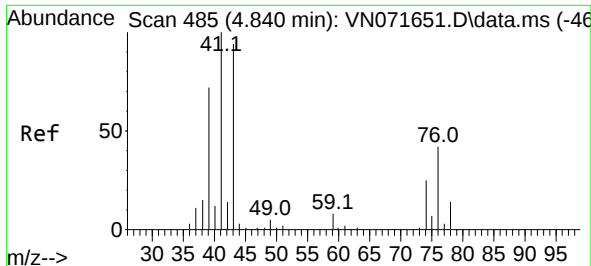
Tgt Ion: 56 Resp: 280

Ion Ratio Lower Upper

56 100

55 23.6 54.8 82.2#

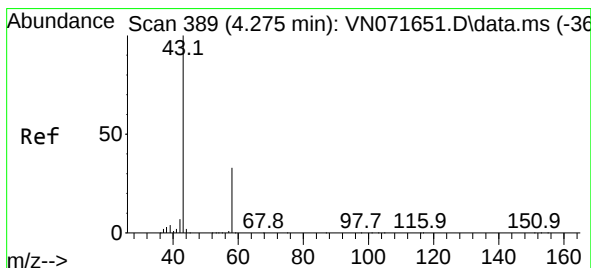
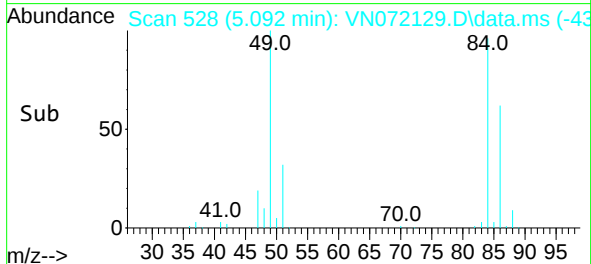
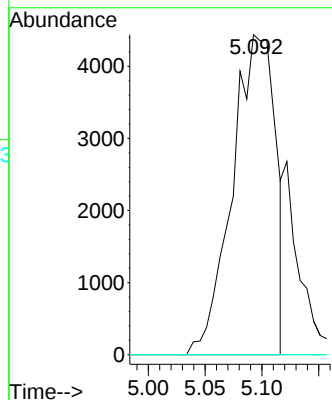
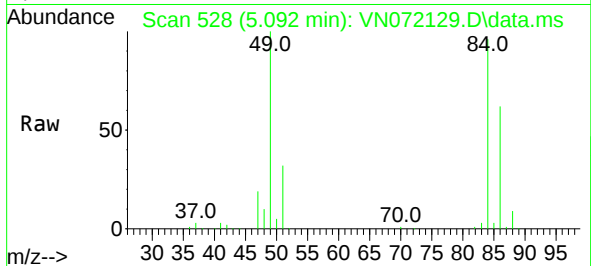




#14
 Allyl chloride
 Concen: 1.929 ug/l
 RT: 5.092 min Scan# 51
 Delta R.T. 0.252 min
 Lab File: VN072129.D
 Acq: 21 Apr 2022 16:45

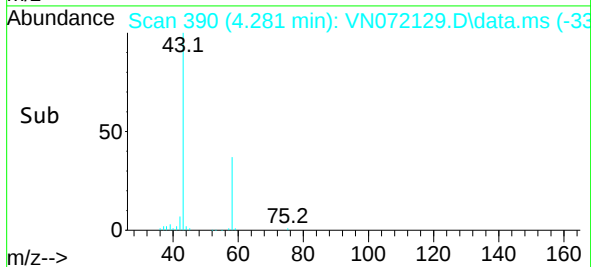
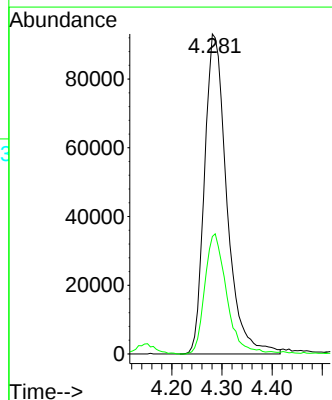
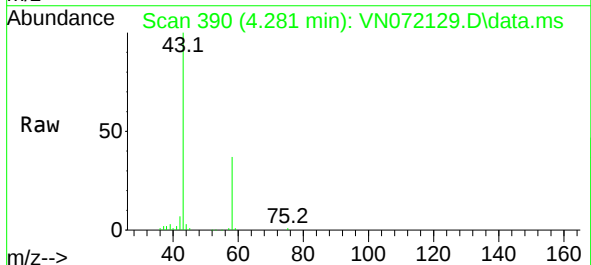
Instrument :
 MSVOA_N
 ClientSampleId :
 TMS-JET-GROUT-SPOILS-BRE

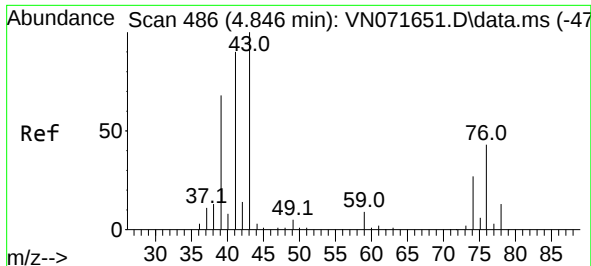
Tgt Ion: 41 Resp: 11756
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 129.832 ug/l
 RT: 4.281 min Scan# 390
 Delta R.T. 0.006 min
 Lab File: VN072129.D
 Acq: 21 Apr 2022 16:45

Tgt Ion: 43 Resp: 288125
 Ion Ratio Lower Upper
 43 100
 58 36.7 26.0 39.0

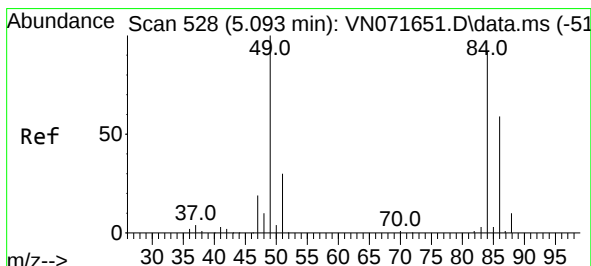
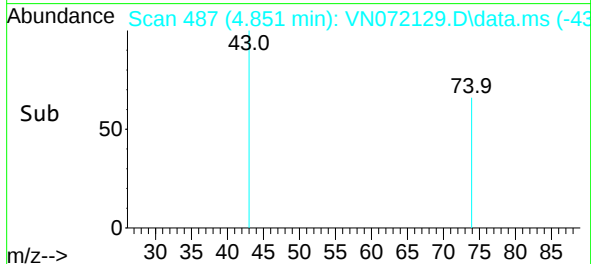
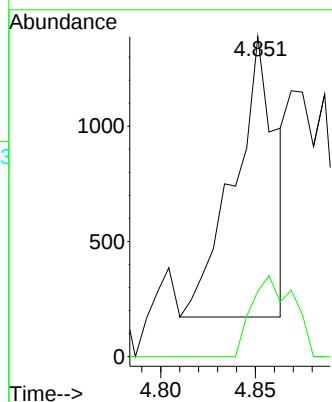
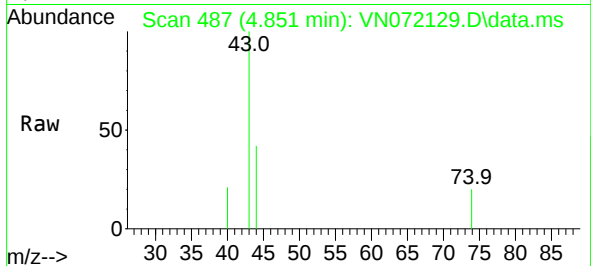




#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

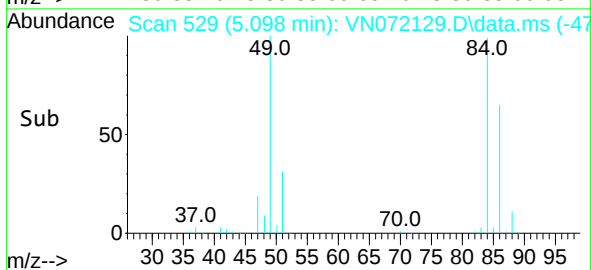
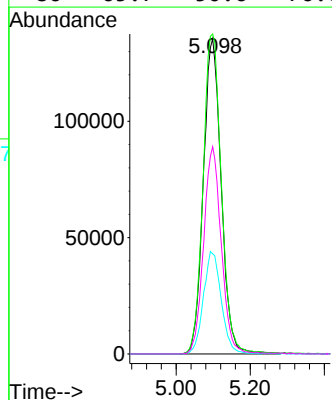
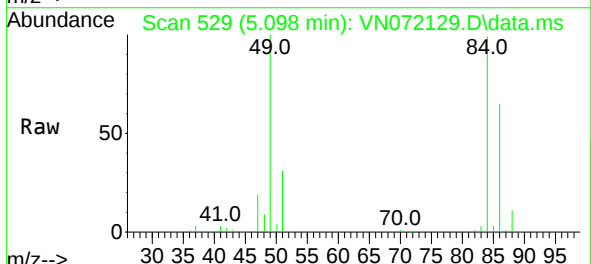
Instrument :
MSVOA_N
ClientSampleId :
TMS-JET-GROUT-SPOILS-BRE

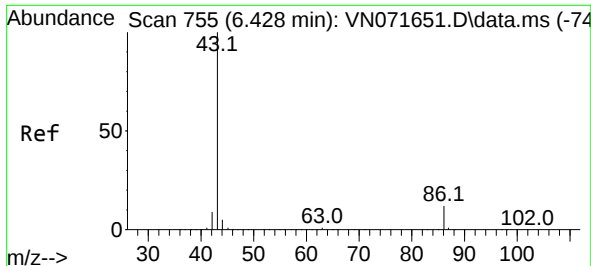
Tgt Ion: 43 Resp: 1859
Ion Ratio Lower Upper
43 100
74 28.8 21.6 32.4



#20
Methylene Chloride
Concen: 96.884 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 84 Resp: 453179
Ion Ratio Lower Upper
84 100
49 101.5 88.3 132.5
51 31.8 28.2 42.2
86 65.7 50.6 76.0

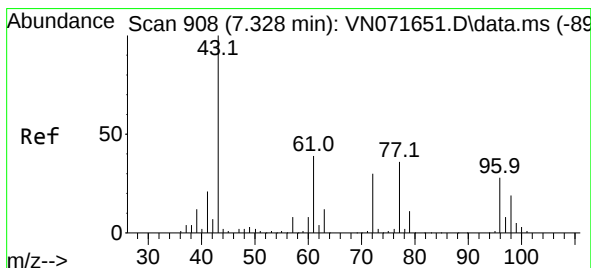
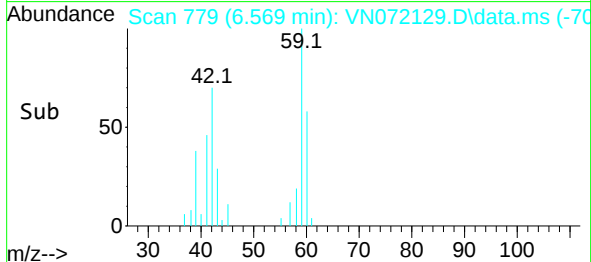
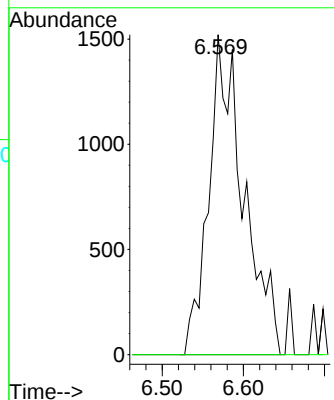
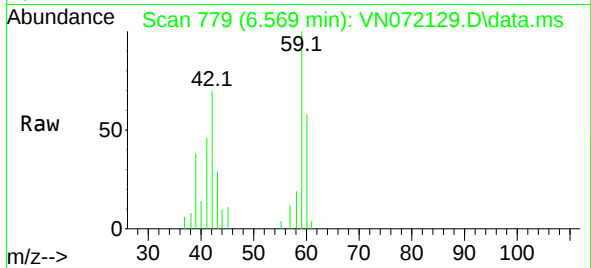




#23
 Vinyl Acetate
 Concen: 0.428 ug/l
 RT: 6.569 min Scan# 71
 Delta R.T. 0.141 min
 Lab File: VN072129.D
 Acq: 21 Apr 2022 16:45

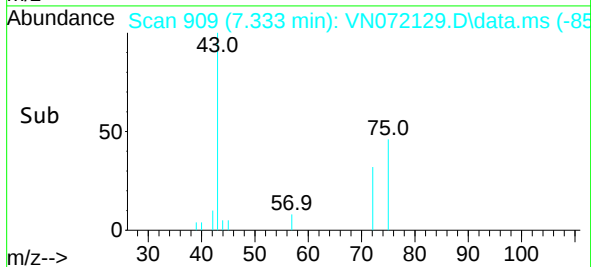
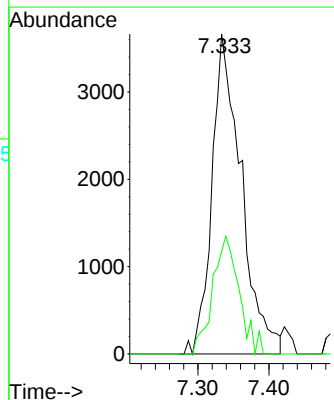
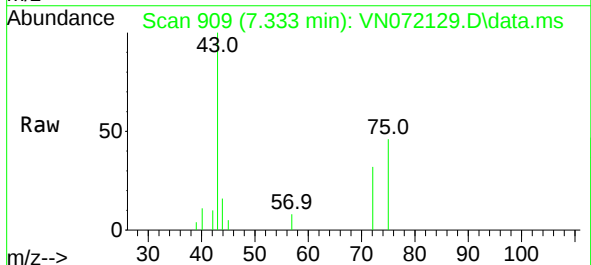
Instrument :
 MSVOA_N
 ClientSampleId :
 TMS-JET-GROUT-SPOILS-BRE

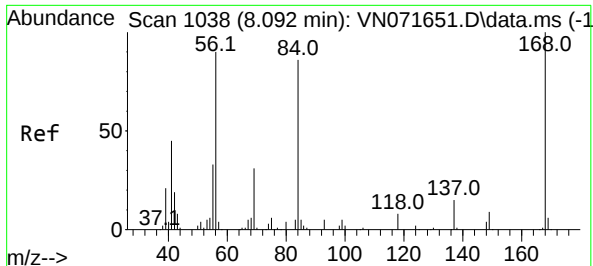
Tgt Ion: 43 Resp: 4515
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 3.261 ug/l
 RT: 7.333 min Scan# 909
 Delta R.T. 0.005 min
 Lab File: VN072129.D
 Acq: 21 Apr 2022 16:45

Tgt Ion: 43 Resp: 10434
 Ion Ratio Lower Upper
 43 100
 72 32.1 23.7 35.5

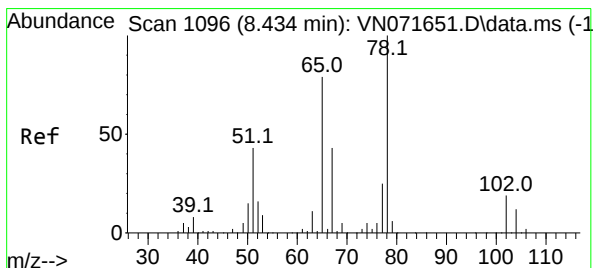
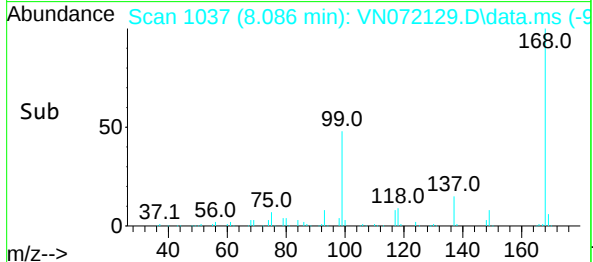
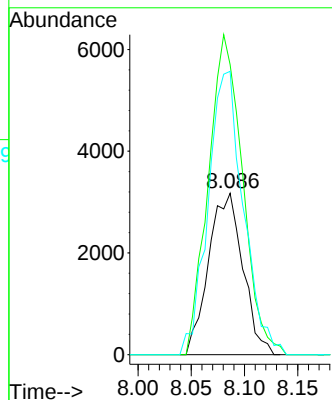
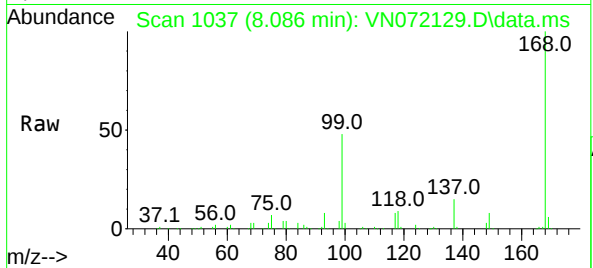




#31
Cyclohexane
Concen: 1.007 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

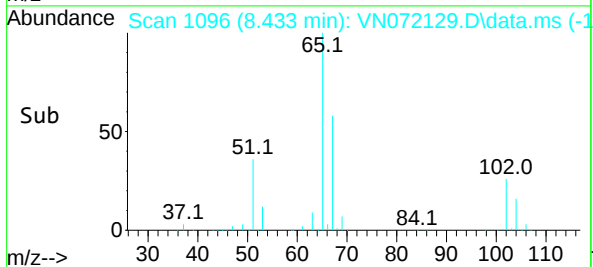
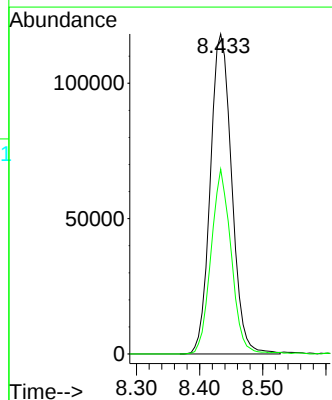
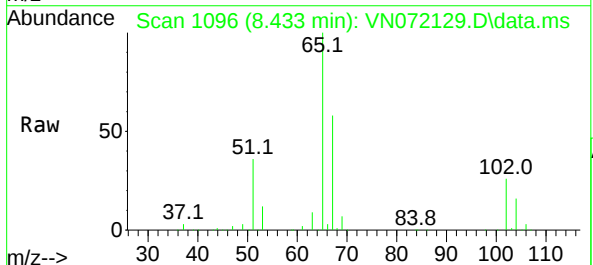
Instrument :
MSVOA_N
ClientSampleId :
TMS-JET-GROUT-SPOILS-BRE

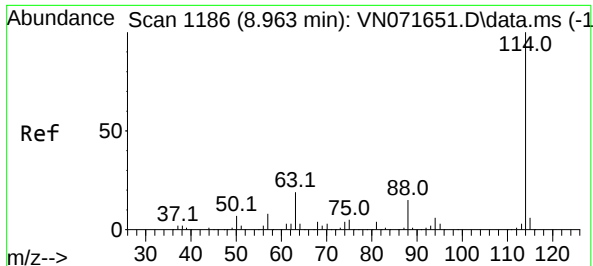
Tgt Ion: 56 Resp: 7114
Ion Ratio Lower Upper
56 100
69 179.6 27.8 41.8#
84 175.4 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 53.605 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 65 Resp: 278357
Ion Ratio Lower Upper
65 100
67 54.6 0.0 104.8

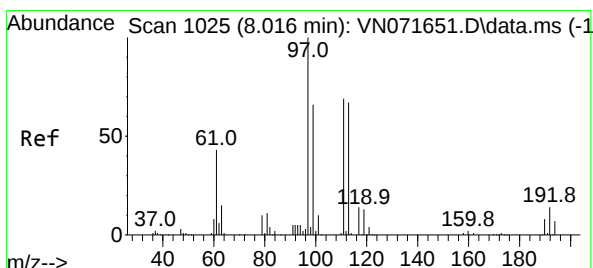
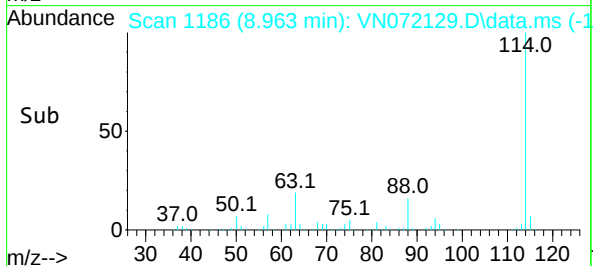
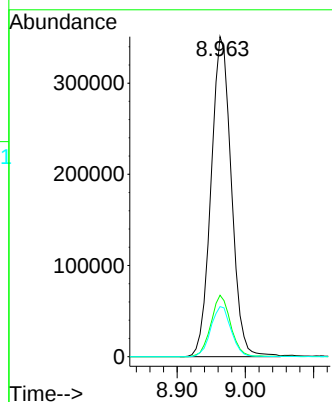
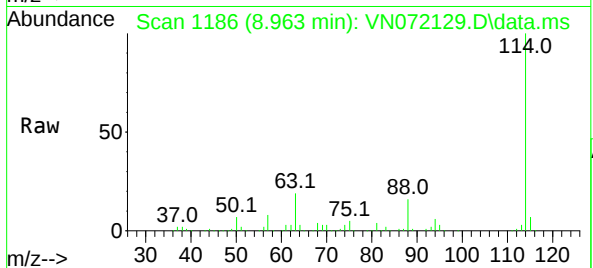




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

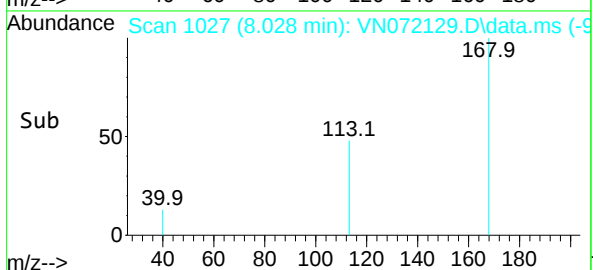
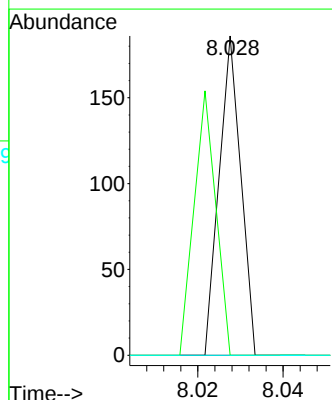
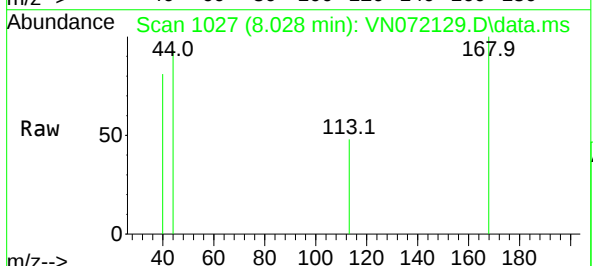
Instrument :
MSVOA_N
ClientSampleId :
TMS-JET-GROUT-SPOILS-BRE

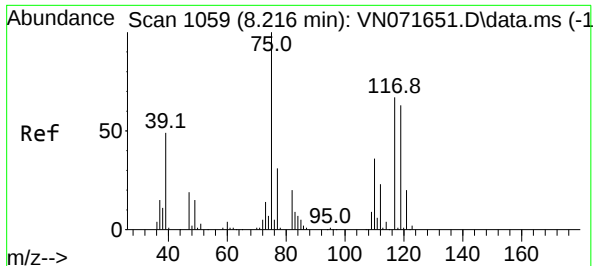
Tgt Ion:114 Resp: 727723
Ion Ratio Lower Upper
114 100
63 19.2 0.0 40.0
88 15.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 0.015 ug/l
RT: 8.028 min Scan# 1027
Delta R.T. 0.012 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

Tgt Ion:113 Resp: 66
Ion Ratio Lower Upper
113 100
111 81.8 81.4 122.0
192 0.0 17.0 25.6#

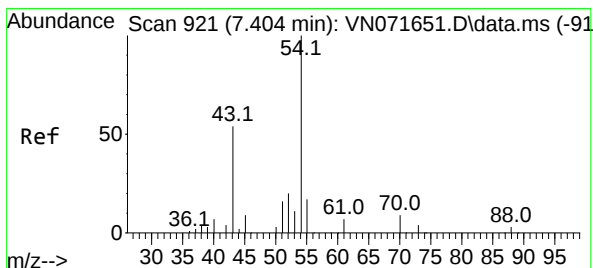
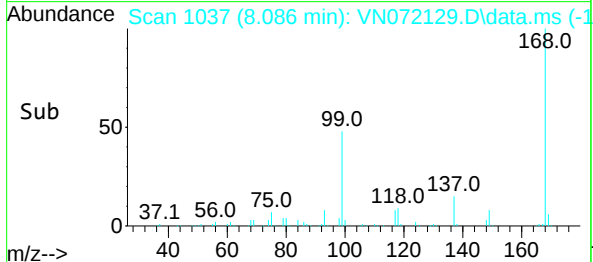
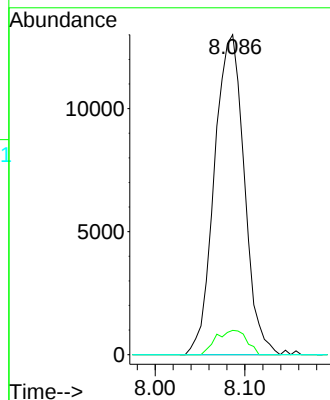
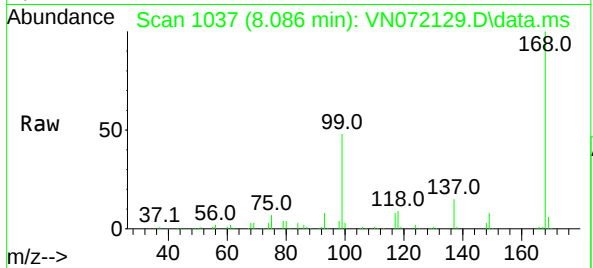




#36
 1,1-Dichloropropene
 Concen: 5.024 ug/l
 RT: 8.086 min Scan# 1059
 Delta R.T. -0.130 min
 Lab File: VN072129.D
 Acq: 21 Apr 2022 16:45

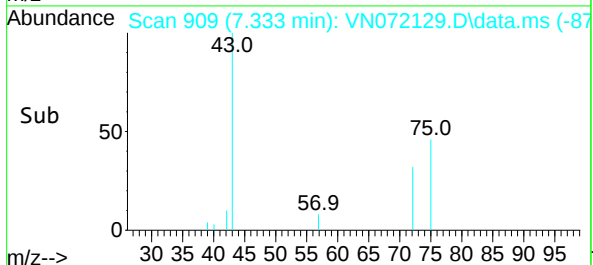
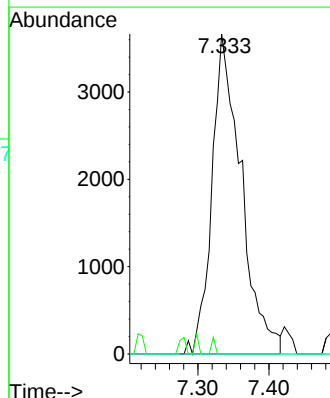
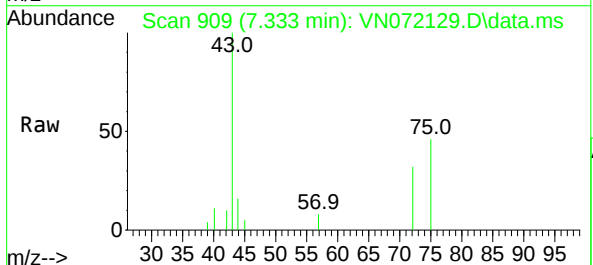
Instrument :
 MSVOA_N
 ClientSampleId :
 TMS-JET-GROUT-SPOILS-BRE

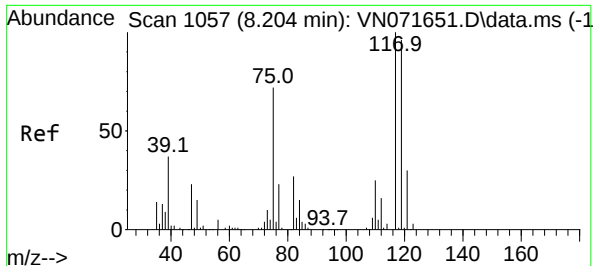
Tgt Ion: 75 Resp: 30041
 Ion Ratio Lower Upper
 75 100
 110 7.8 18.3 54.8#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 1.594 ug/l
 RT: 7.333 min Scan# 909
 Delta R.T. -0.071 min
 Lab File: VN072129.D
 Acq: 21 Apr 2022 16:45

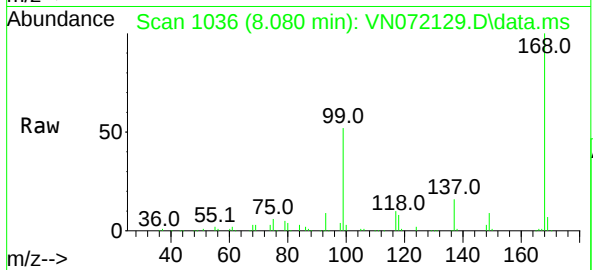
Tgt Ion: 43 Resp: 10434
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.8 17.6#
 70 0.0 9.3 13.9#



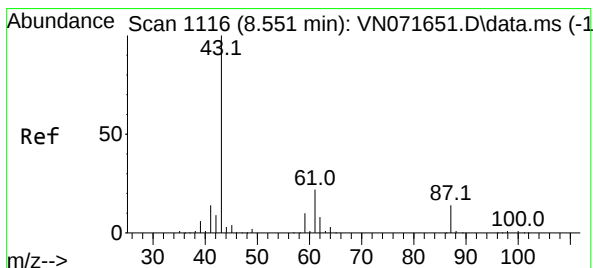
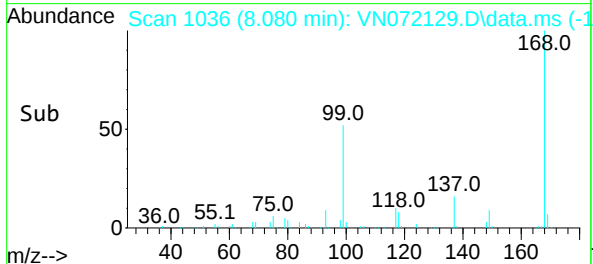
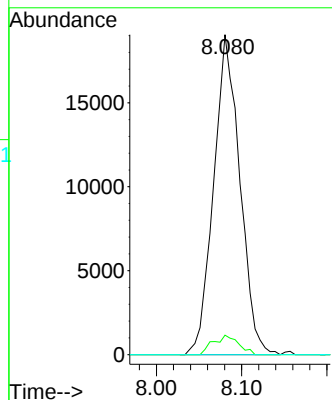


#38
Carbon Tetrachloride
Concen: 6.940 ug/l
RT: 8.080 min Scan# 110
Delta R.T. -0.124 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_N
ClientSampleId :
TMS-JET-GROUT-SPOILS-BRE

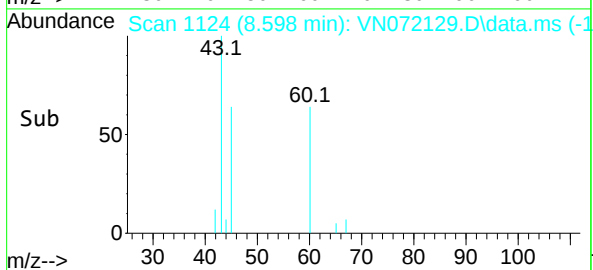
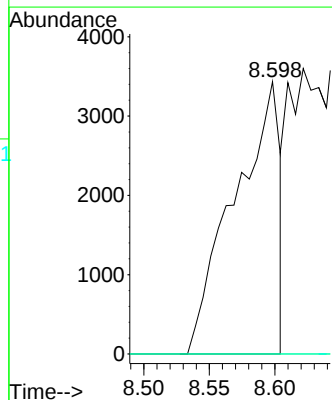
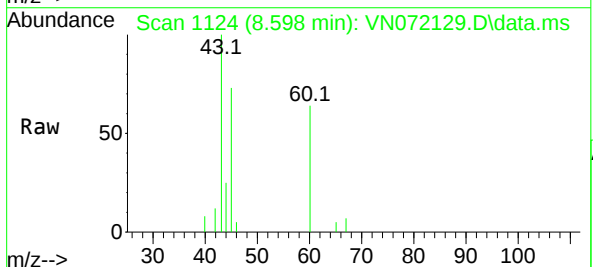


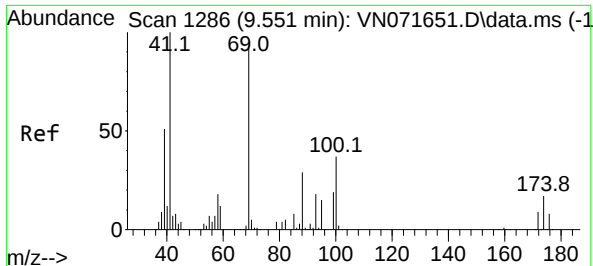
Tgt Ion:117 Resp: 40675
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.761 ug/l
RT: 8.598 min Scan# 1124
Delta R.T. 0.047 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 43 Resp: 8283
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#





#48

Methyl methacrylate

Concen: 2.565 ug/l

RT: 9.539 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN072129.D

Acq: 21 Apr 2022 16:45

Instrument :

MSVOA_N

ClientSampleId :

TMS-JET-GROUT-SPOILS-BRE

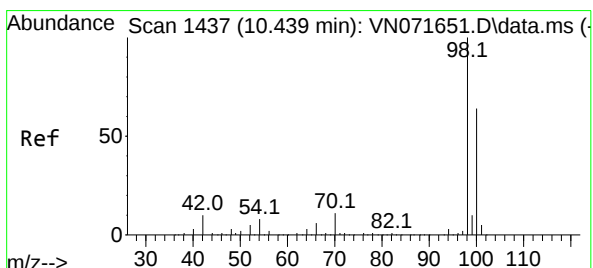
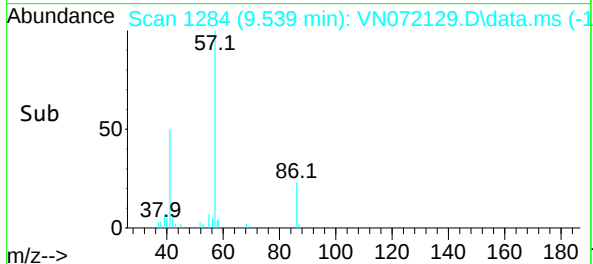
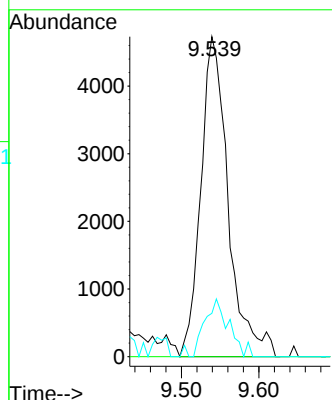
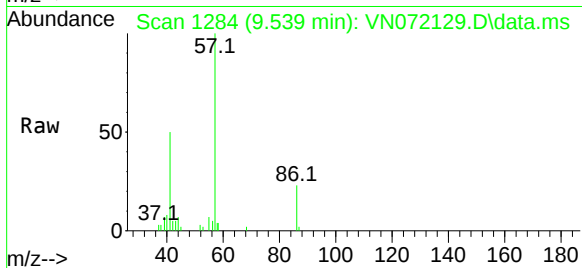
Tgt Ion: 41 Resp: 11585

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 15.9 45.6 68.4#



#50

Toluene-d8

Concen: 49.006 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072129.D

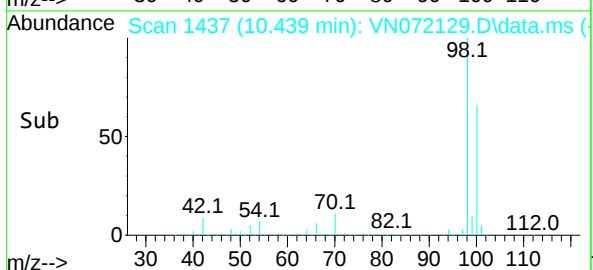
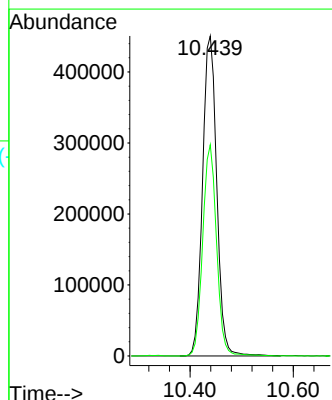
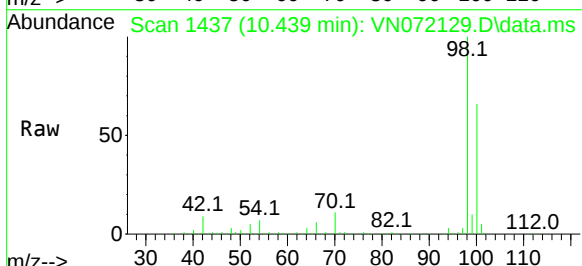
Acq: 21 Apr 2022 16:45

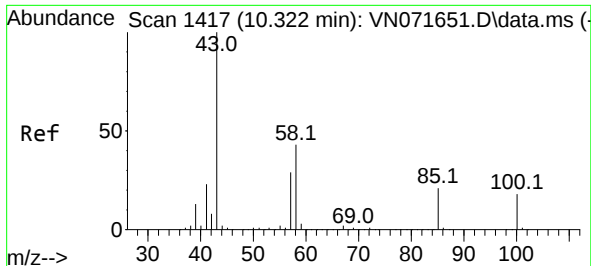
Tgt Ion: 98 Resp: 858475

Ion Ratio Lower Upper

98 100

100 64.5 52.6 78.8

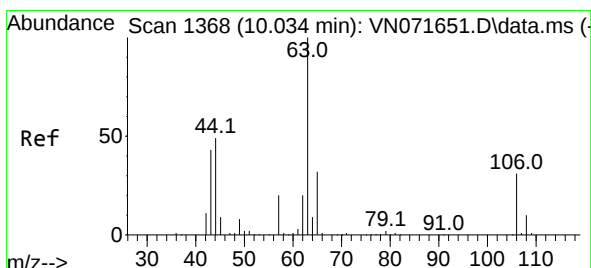
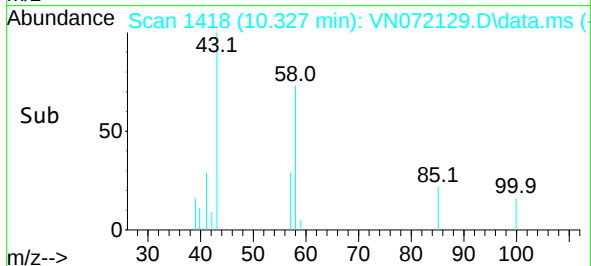
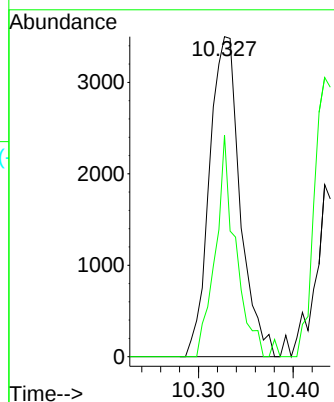
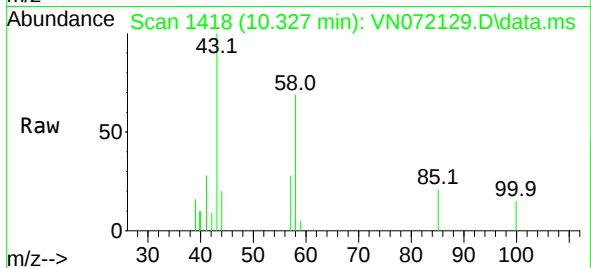




#51
4-Methyl-2-Pentanone
Concen: 1.257 ug/l
RT: 10.327 min Scan# 1417
Delta R.T. 0.005 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

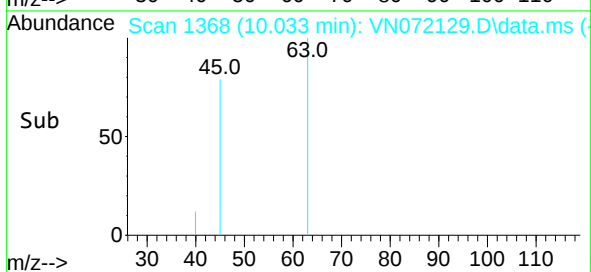
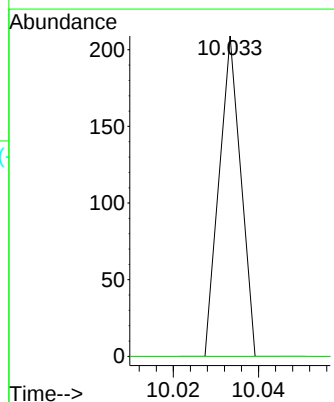
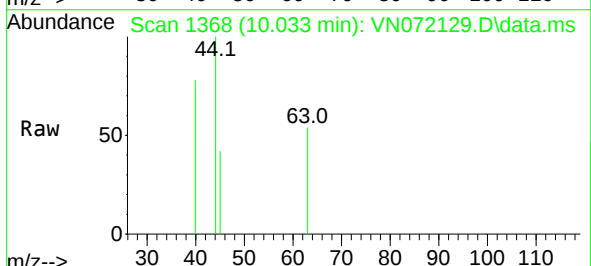
Instrument :
MSVOA_N
ClientSampleId :
TMS-JET-GROUT-SPOILS-BRE

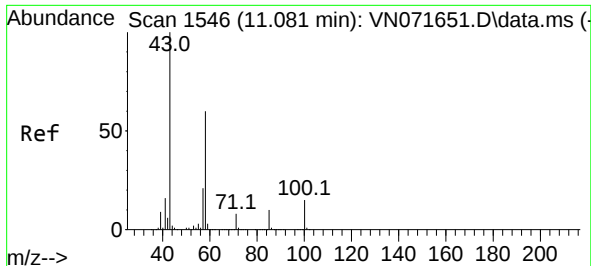
Tgt Ion: 43 Resp: 7866
Ion Ratio Lower Upper
43 100
58 45.1 34.1 51.1



#58
2-Chloroethyl Vinyl ether
Concen: 16.999 ug/l
RT: 10.033 min Scan# 1368
Delta R.T. -0.001 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 63 Resp: 74
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#

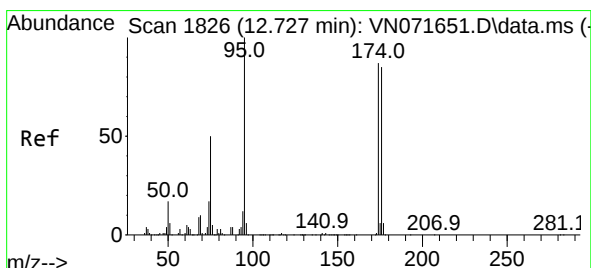
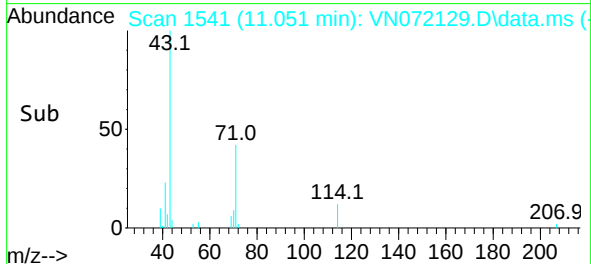
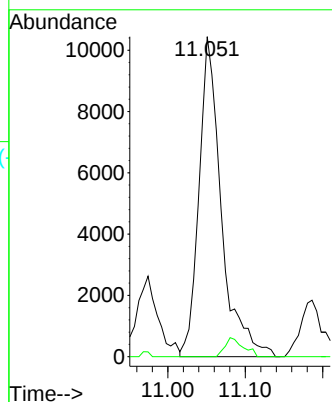
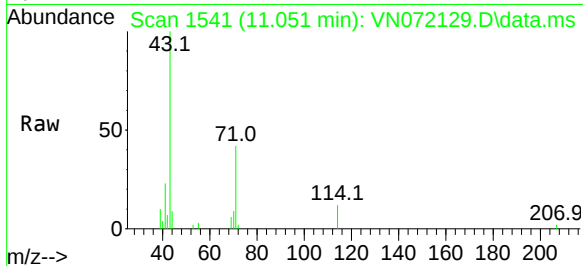




#59
2-Hexanone
Concen: 4.737 ug/l
RT: 11.051 min Scan# 11051
Delta R.T. -0.030 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

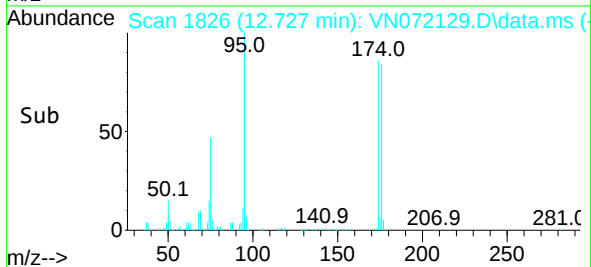
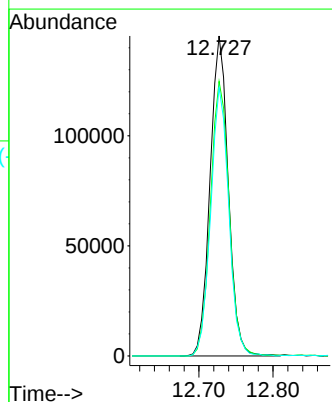
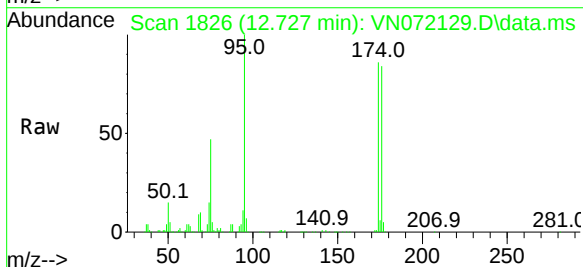
Instrument :
MSVOA_N
ClientSampleId :
TMS-JET-GROUT-SPOILS-BRE

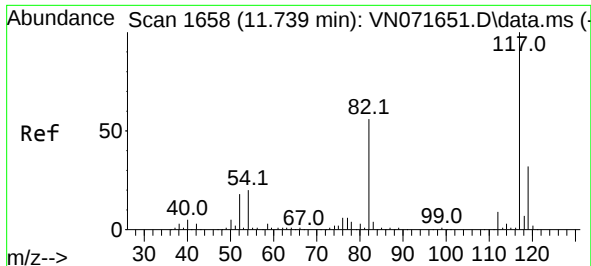
Tgt Ion: 43 Resp: 20874
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 43.917 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 95 Resp: 248810
Ion Ratio Lower Upper
95 100
174 87.8 0.0 167.6
176 83.0 0.0 163.4

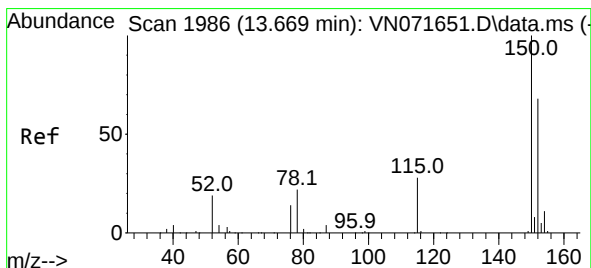
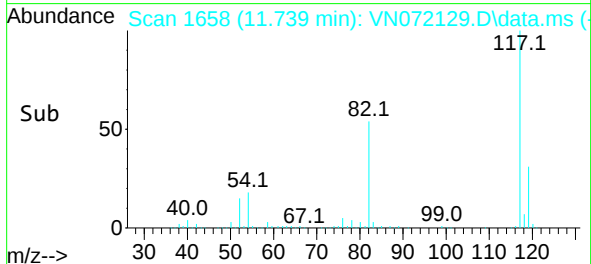
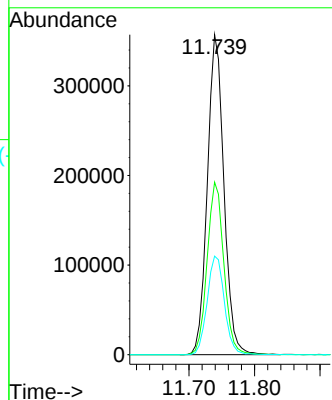
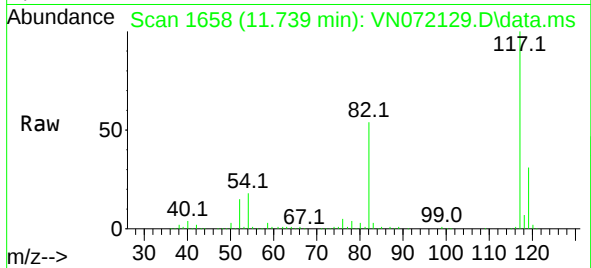




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

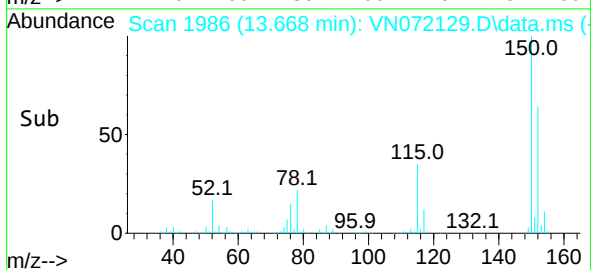
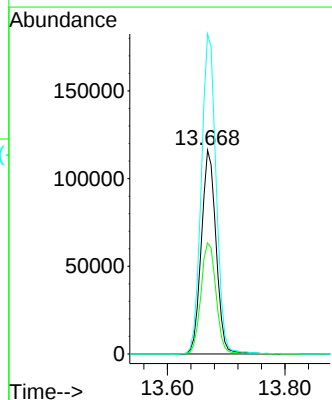
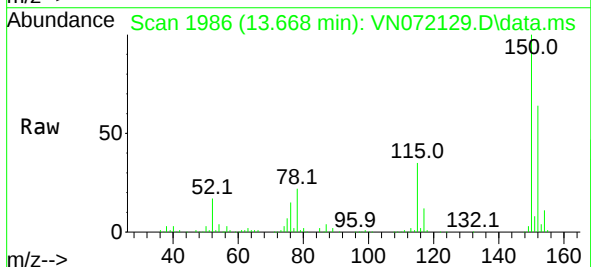
Instrument :
MSVOA_N
ClientSampleId :
TMS-JET-GROUT-SPOILS-BRE

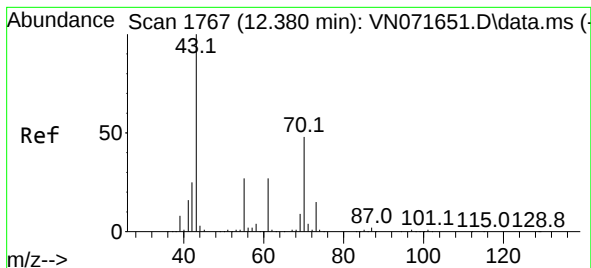
Tgt Ion:117 Resp: 627589
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 30.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

Tgt Ion:152 Resp: 201730
Ion Ratio Lower Upper
152 100
115 55.9 28.9 86.7
150 157.9 0.0 356.2





#74

N-amy1 acetate

Concen: 0.287 ug/l

RT: 12.357 min Scan# 1

Delta R.T. -0.023 min

Lab File: VN072129.D

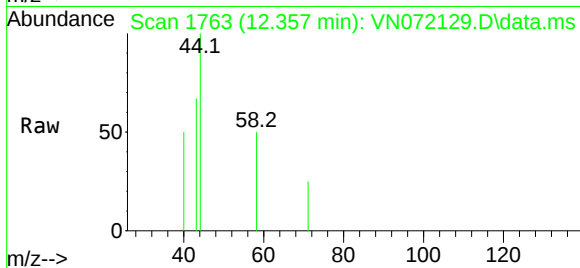
Acq: 21 Apr 2022 16:45

Instrument :

MSVOA_N

ClientSampleId :

TMS-JET-GROUT-SPOILS-BRE



Tgt Ion: 43 Resp: 1396

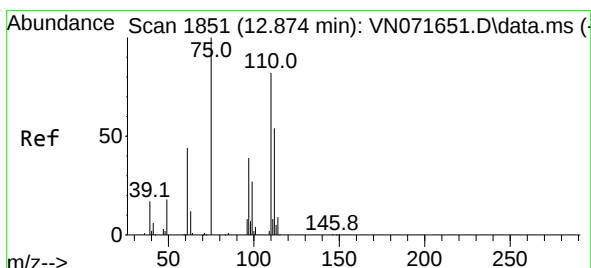
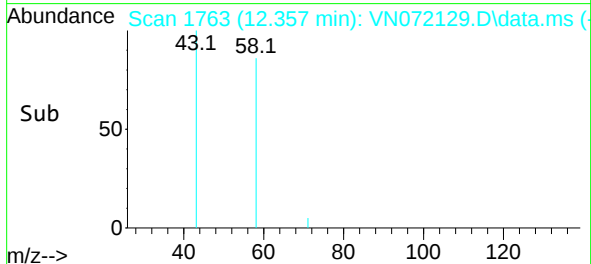
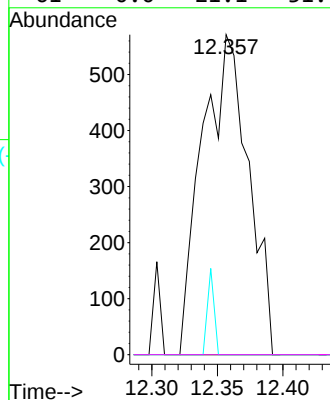
Ion Ratio Lower Upper

43 100

70 0.0 39.0 58.4#

55 3.9 21.1 31.7#

61 0.0 21.1 31.7#



#76

1,2,3-Trichloropropane

Concen: 24.864 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.147 min

Lab File: VN072129.D

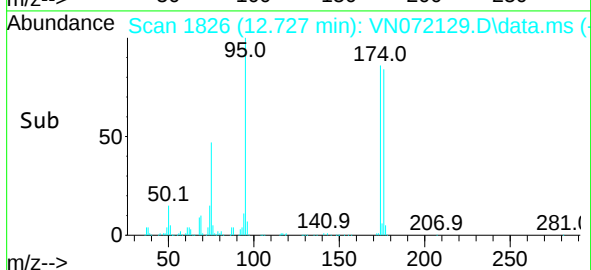
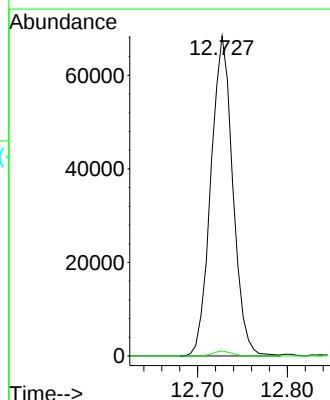
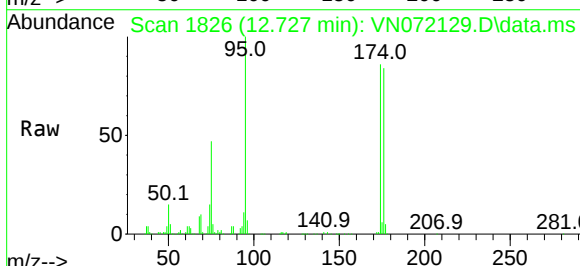
Acq: 21 Apr 2022 16:45

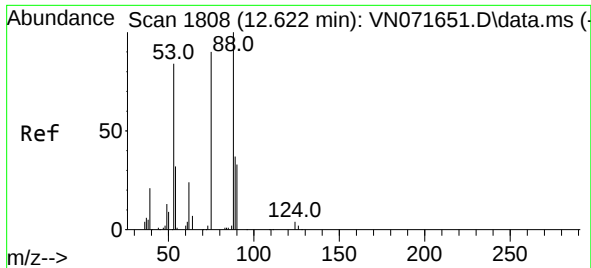
Tgt Ion: 75 Resp: 116194

Ion Ratio Lower Upper

75 100

77 1.3 98.5 295.5#

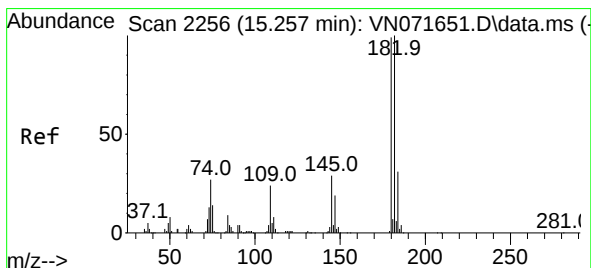
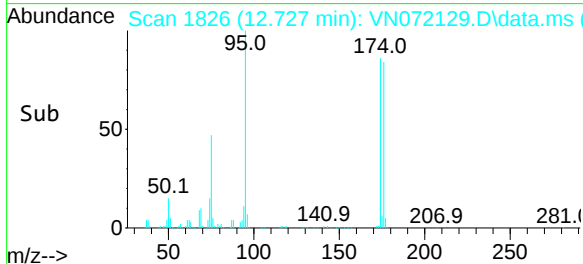
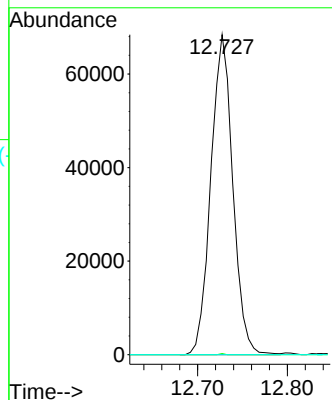
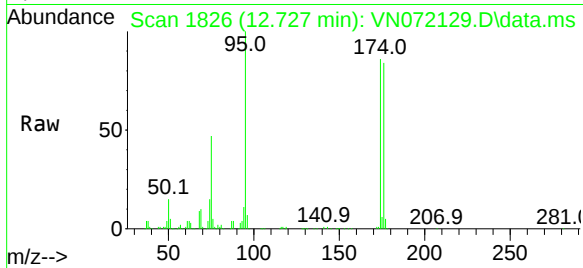




#81
trans-1,4-Dichloro-2-butene
Concen: 77.052 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

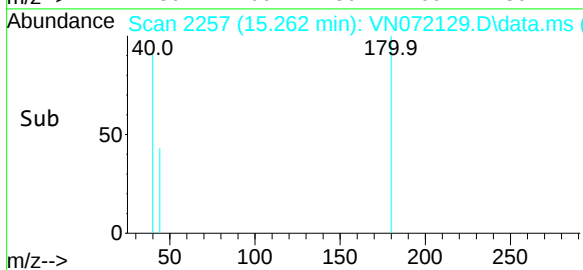
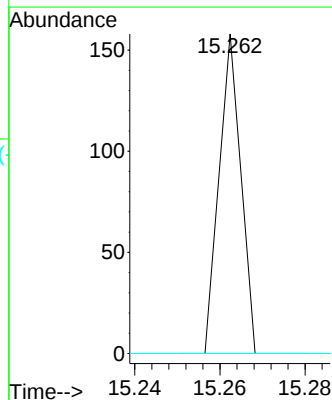
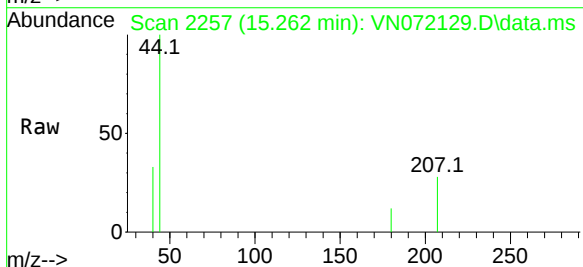
Instrument :
MSVOA_N
ClientSampleId :
TMS-JET-GROUT-SPOILS-BRE

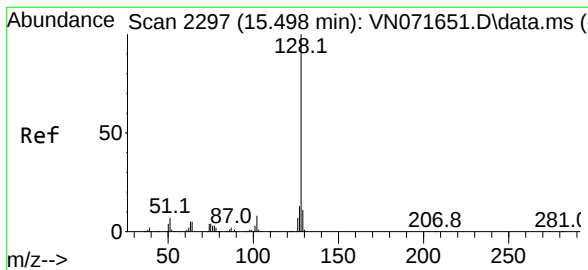
Tgt Ion: 75 Resp: 116194
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.102 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.005 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

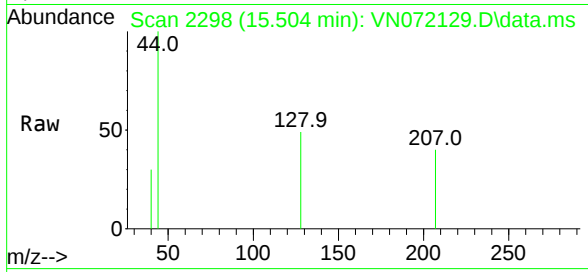
Tgt Ion:180 Resp: 56
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 14.5 43.5#





#95
Naphthalene
Concen: 3.912 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN072129.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_N
ClientSampleId :
TMS-JET-GROUT-SPOILS-BRE



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

