

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060922\
 Data File : VN072753.D
 Acq On : 10 Jun 2022 01:13
 Operator : JC\MD
 Sample : N3203-03 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GATE-6-JET-GROUT-SPOILS

Quant Time: Jun 10 03:01:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

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

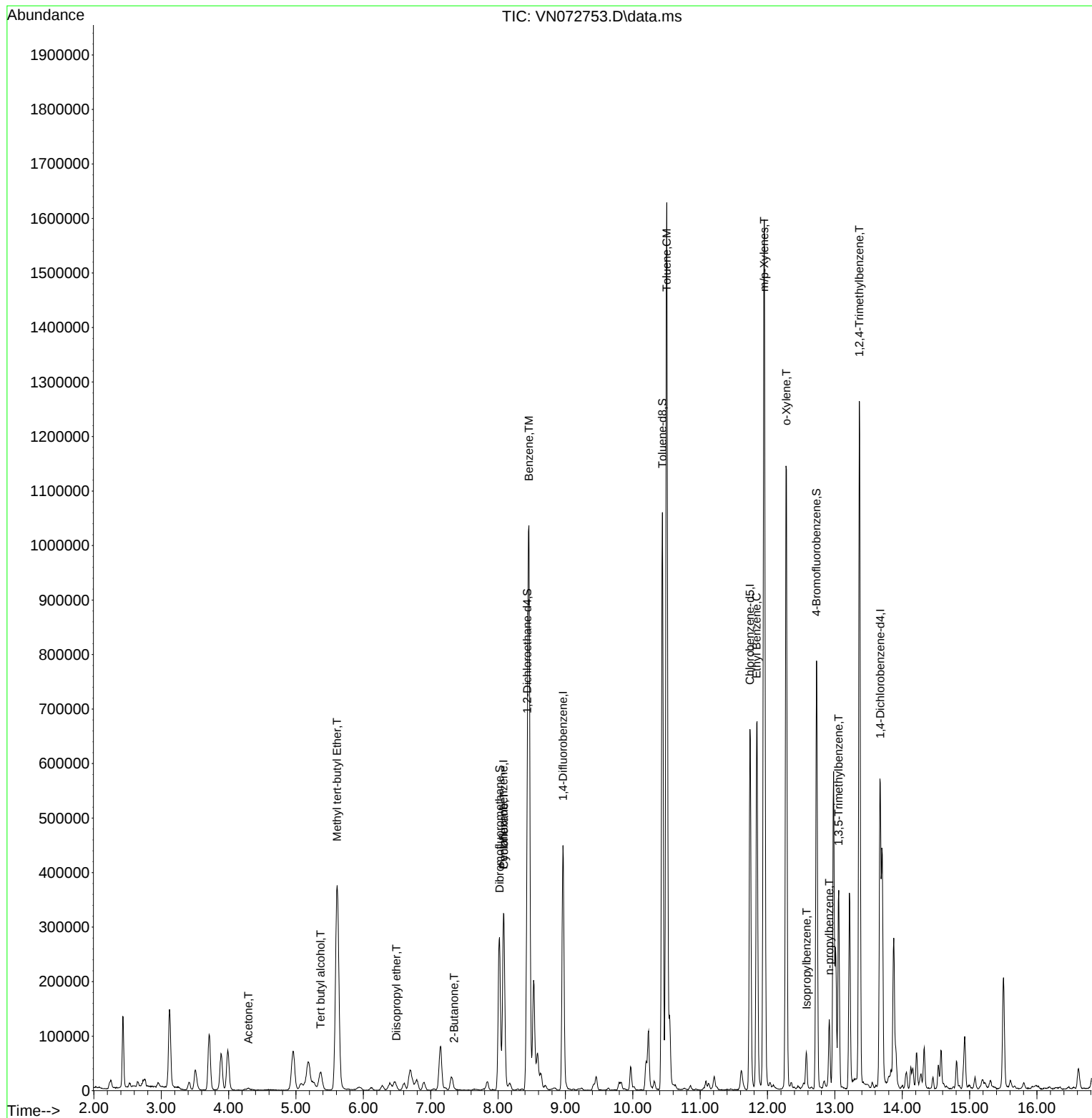
Internal Standards						
1) Pentafluorobenzene	8.081	168	185407	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	357146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	315999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	130422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	283013	56.873	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 113.740%	
35) Dibromofluoromethane	8.022	113	200643	56.777	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 113.560%	
50) Toluene-d8	10.439	98	694364	49.247	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 98.500%	
62) 4-Bromofluorobenzene	12.727	95	260215	53.783	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 107.560%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.363	59	65701	55.347	ug/l	98
16) Acetone	4.293	43	7804	3.273	ug/l	# 80
19) Methyl tert-butyl Ether	5.610	73	604443	49.951	ug/l	96
22) Diisopropyl ether	6.492	45	4094	0.327	ug/l	# 84
25) 2-Butanone	7.345	43	4859	1.267	ug/l	94
31) Cyclohexane	8.086	56	34660	5.953	ug/l	# 90
40) Benzene	8.457	78	915549	61.506	ug/l	97
52) Toluene	10.504	92	670972	72.194	ug/l	100
67) Ethyl Benzene	11.839	91	486291	30.714	ug/l	96
68) m/p-Xylenes	11.951	106	481047	85.494	ug/l	89
69) o-Xylene	12.280	106	296661	52.450	ug/l	89
73) Isopropylbenzene	12.580	105	42032	3.005	ug/l	99
78) n-propylbenzene	12.916	91	93814	6.142	ug/l	96
80) 1,3,5-Trimethylbenzene	13.057	105	183327	16.539	ug/l	95
84) 1,2,4-Trimethylbenzene	13.363	105	686841	64.759	ug/l	95

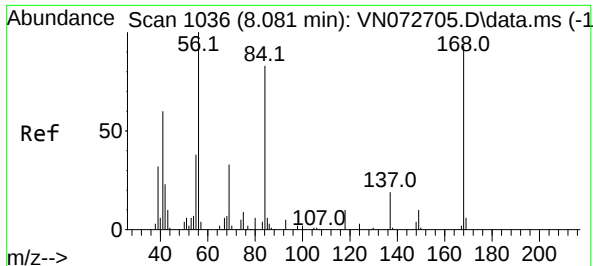
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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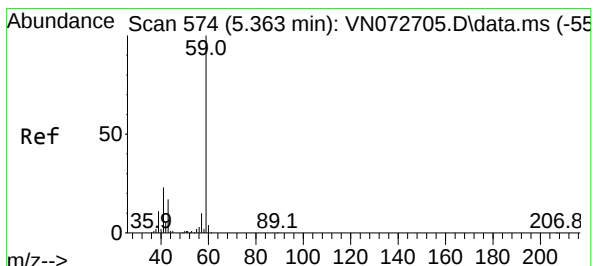
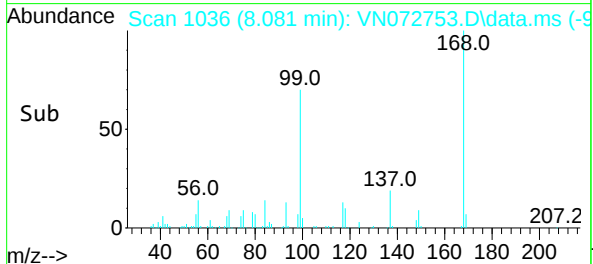
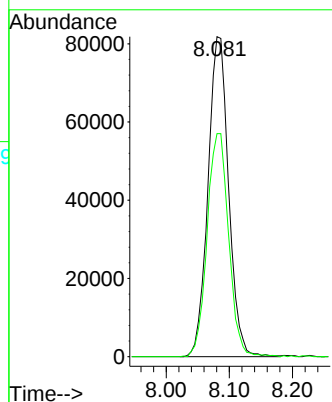
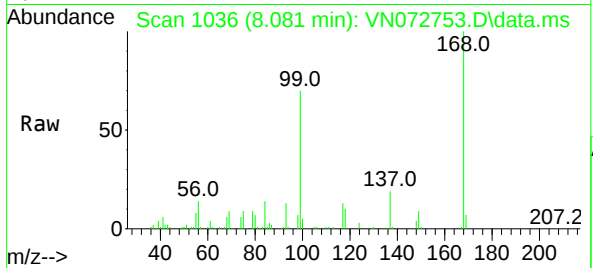




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

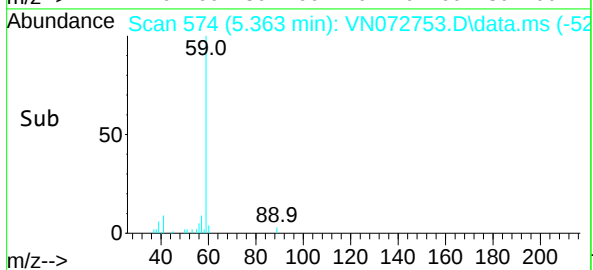
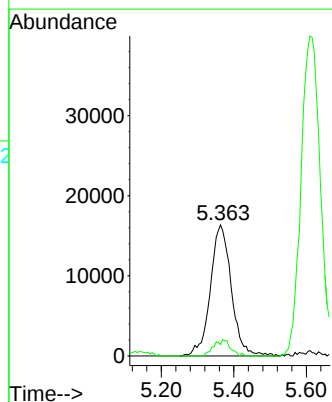
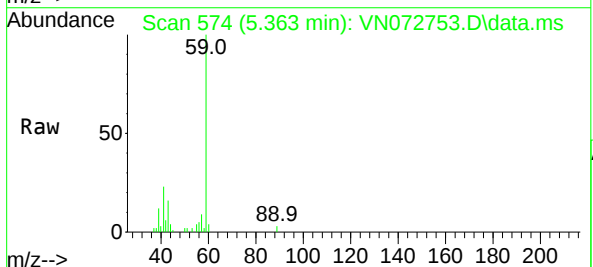
Instrument :
MSVOA_N
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

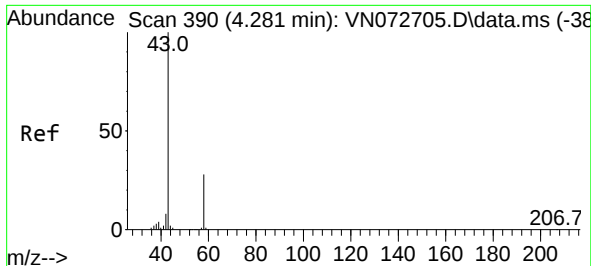
Tgt Ion:168 Resp: 185407
Ion Ratio Lower Upper
168 100
99 69.7 42.3 63.5#



#11
Tert butyl alcohol
Concen: 55.347 ug/l
RT: 5.363 min Scan# 574
Delta R.T. 0.000 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

Tgt Ion: 59 Resp: 65701
Ion Ratio Lower Upper
59 100
57 9.6 8.3 12.5

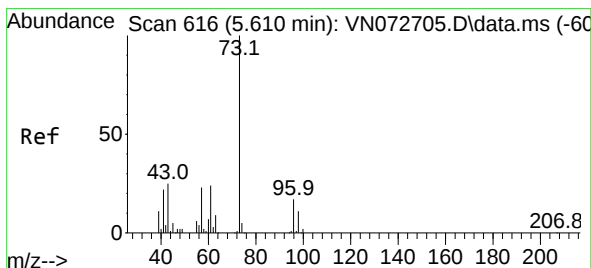
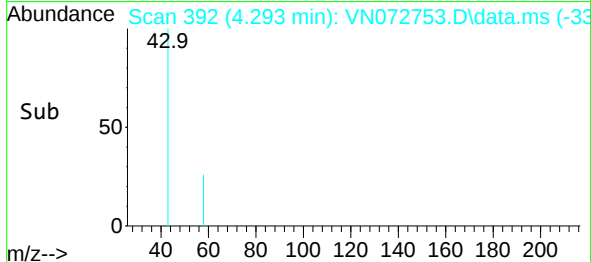
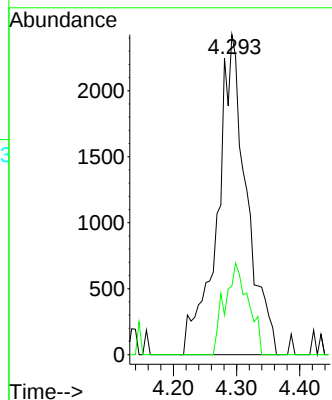
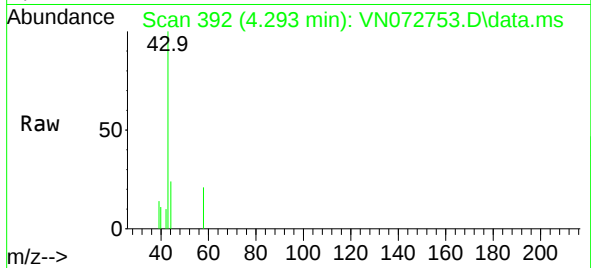




#16
Acetone
Concen: 3.273 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

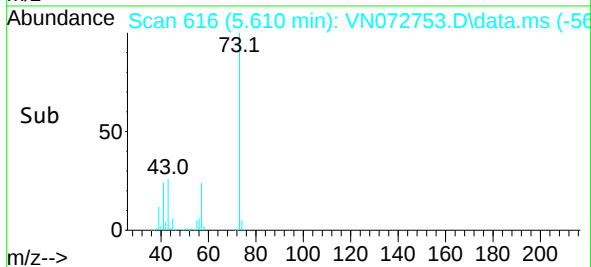
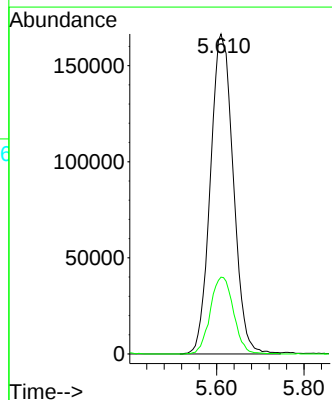
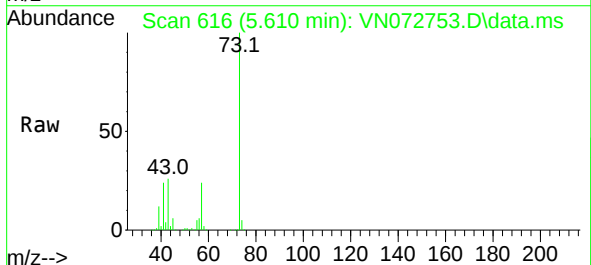
Instrument :
MSVOA_N
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

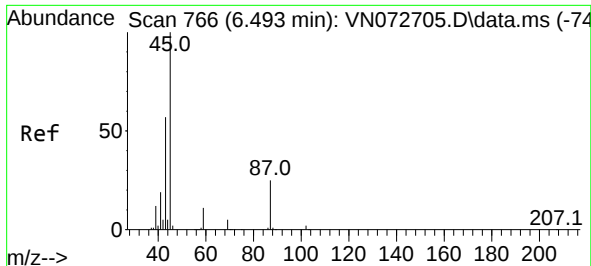
Tgt Ion: 43 Resp: 7804
Ion Ratio Lower Upper
43 100
58 21.4 26.0 39.0#



#19
Methyl tert-butyl Ether
Concen: 49.951 ug/l
RT: 5.610 min Scan# 616
Delta R.T. 0.000 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

Tgt Ion: 73 Resp: 604443
Ion Ratio Lower Upper
73 100
57 24.0 17.6 26.4

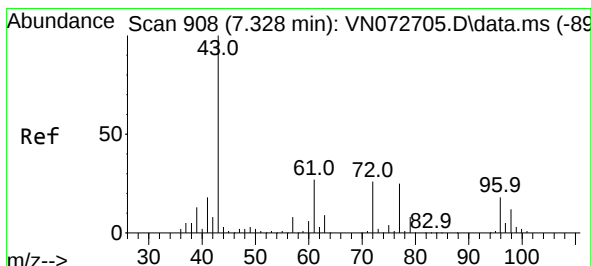
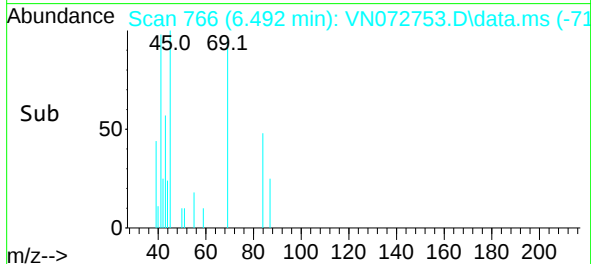
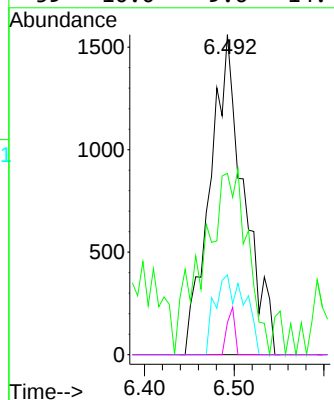
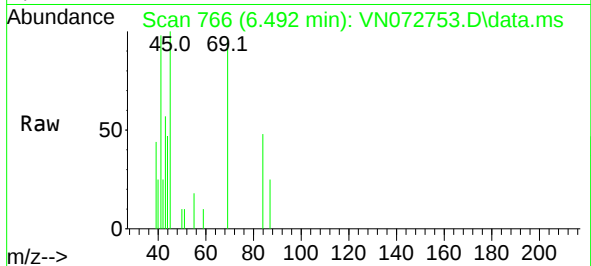




#22
Diisopropyl ether
Concen: 0.327 ug/l
RT: 6.492 min Scan# 766
Delta R.T. -0.001 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

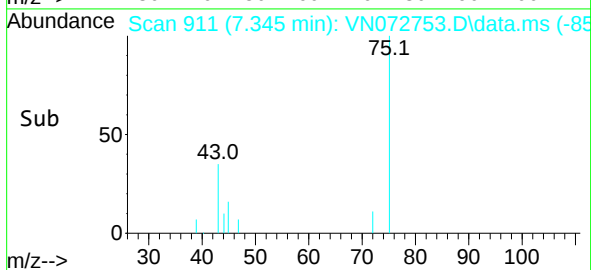
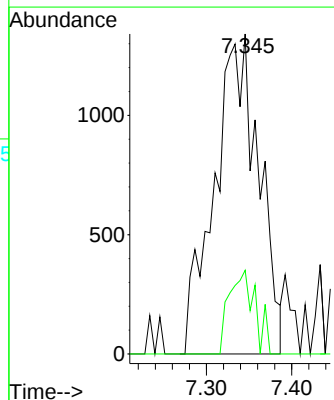
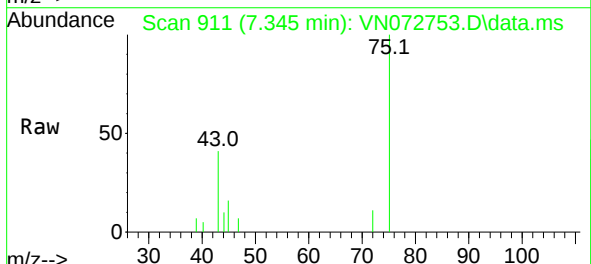
Instrument :
MSVOA_N
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

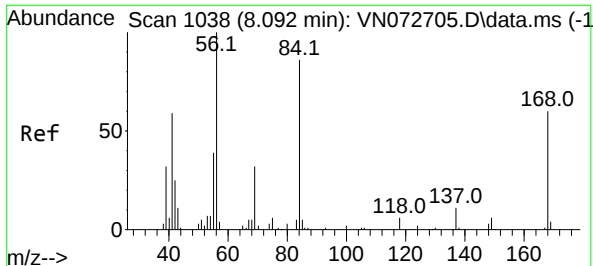
Tgt Ion:	45	Resp:	4094
Ion	Ratio	Lower	Upper
45	100		
43	43.0	46.6	70.0#
87	24.9	24.3	36.5
59	10.0	9.6	14.4



#25
2-Butanone
Concen: 1.267 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

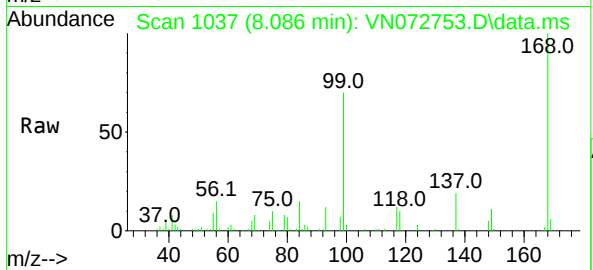
Tgt Ion:	43	Resp:	4859
Ion	Ratio	Lower	Upper
43	100		
72	26.2	23.7	35.5



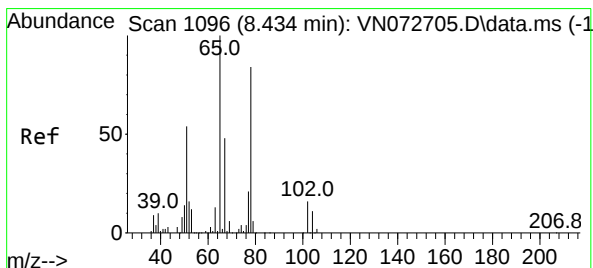
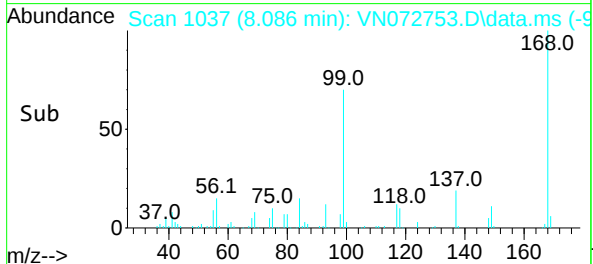
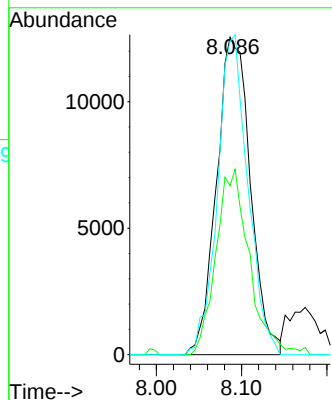


#31
Cyclohexane
Concen: 5.953 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

Instrument :
MSVOA_N
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

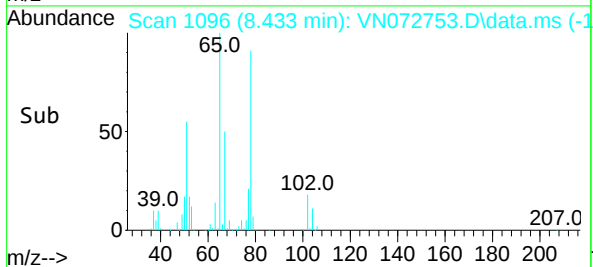
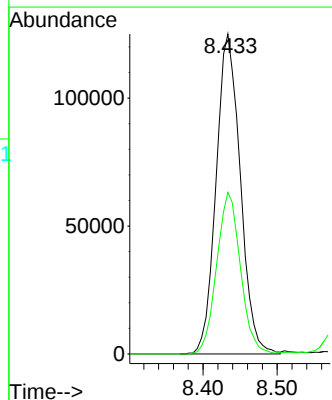
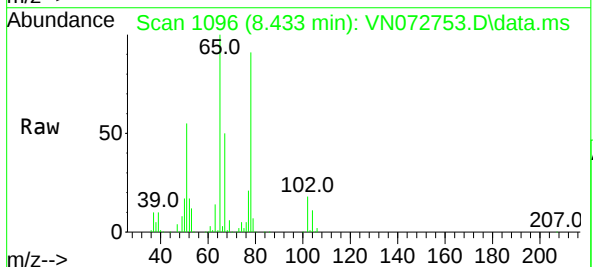


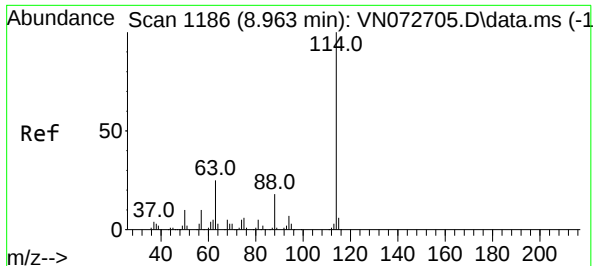
Tgt Ion: 56 Resp: 34660
Ion Ratio Lower Upper
56 100
69 53.2 27.8 41.8#
84 98.6 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 56.873 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

Tgt Ion: 65 Resp: 283013
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072753.D

Acq: 10 Jun 2022 01:13

Instrument :

MSVOA_N

ClientSampleId :

GATE-6-JET-GROUT-SPOILS

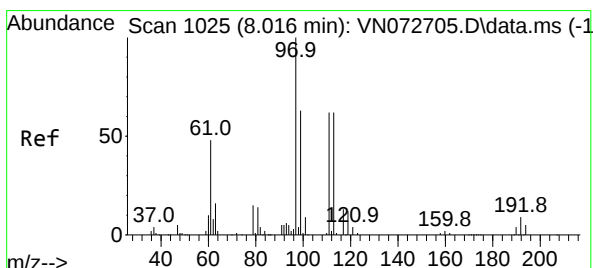
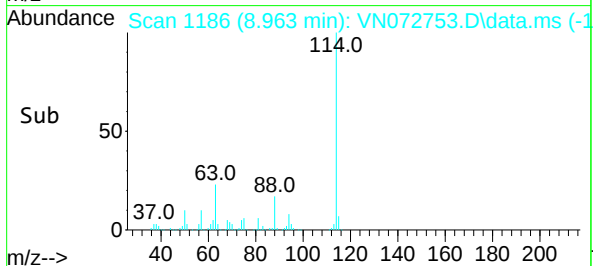
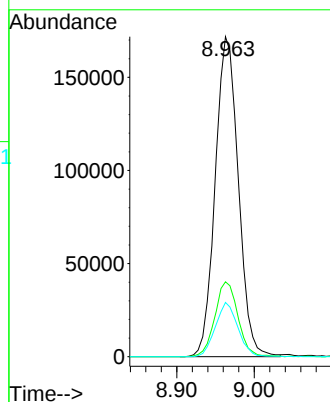
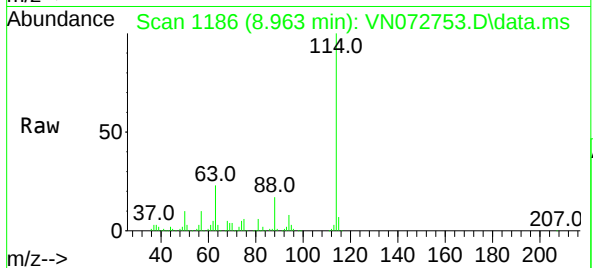
Tgt Ion:114 Resp: 357146

Ion Ratio Lower Upper

114 100

63 23.4 0.0 40.0

88 16.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 56.777 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072753.D

Acq: 10 Jun 2022 01:13

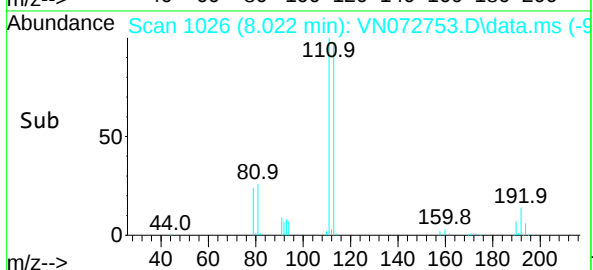
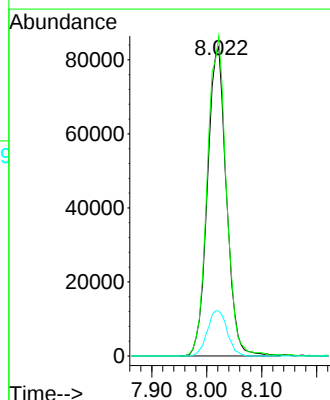
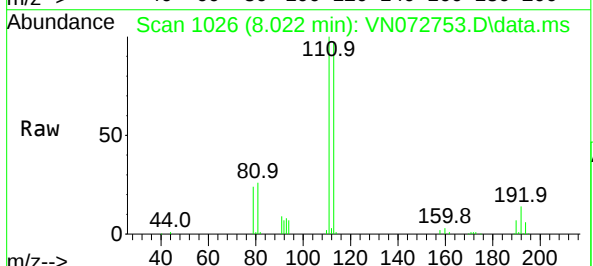
Tgt Ion:113 Resp: 200643

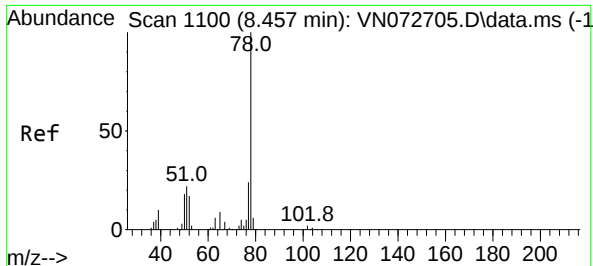
Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 15.2 17.0 25.6#

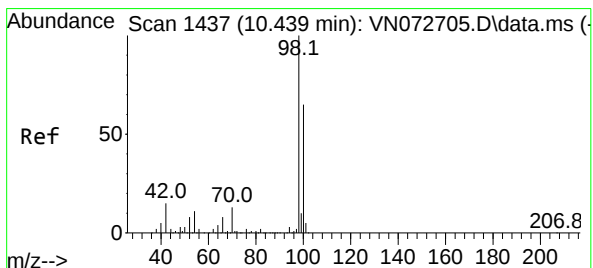
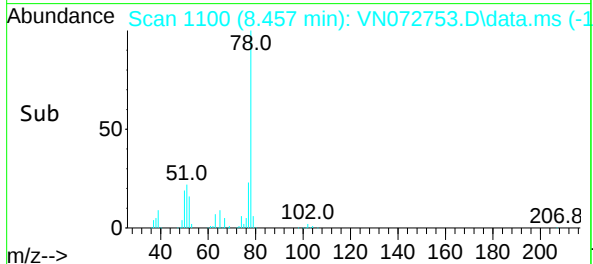
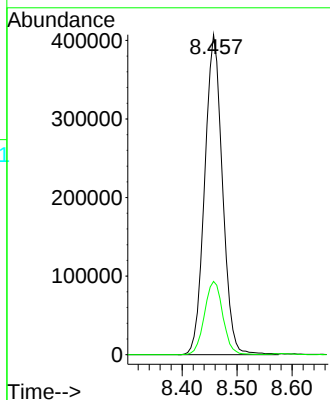
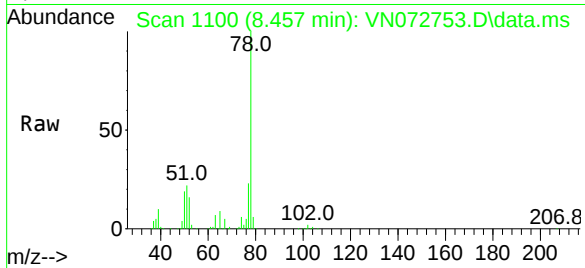




#40
Benzene
Concen: 61.506 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

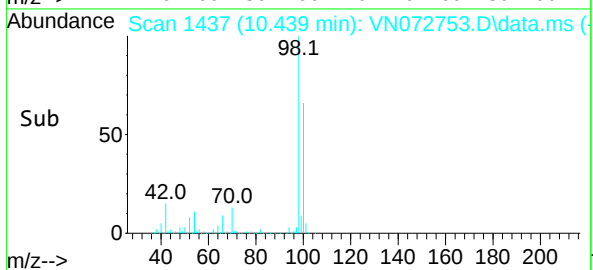
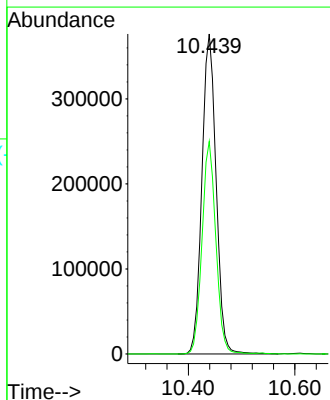
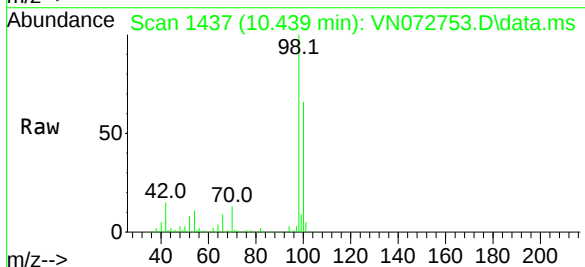
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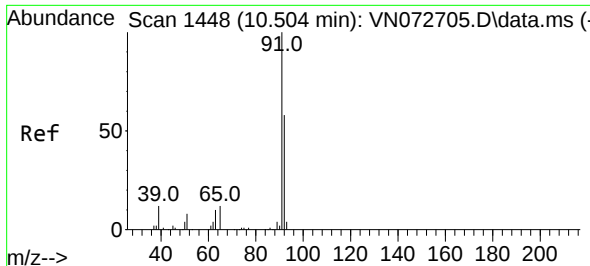
Tgt Ion: 78 Resp: 915549
Ion Ratio Lower Upper
78 100
77 22.9 19.4 29.0



#50
Toluene-d8
Concen: 49.247 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

Tgt Ion: 98 Resp: 694364
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8

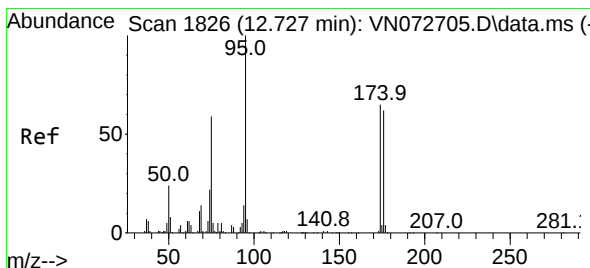
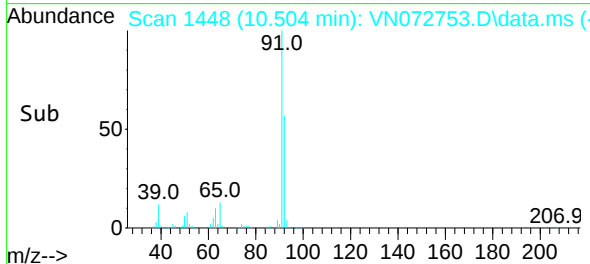
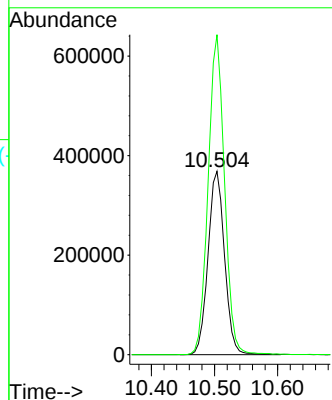
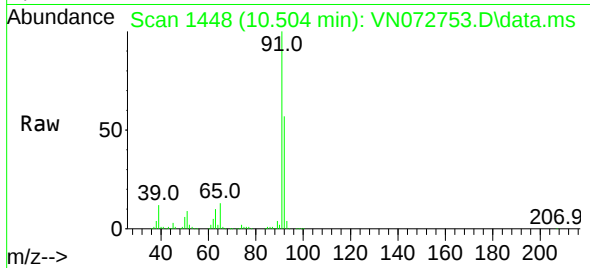




#52
Toluene
Concen: 72.194 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

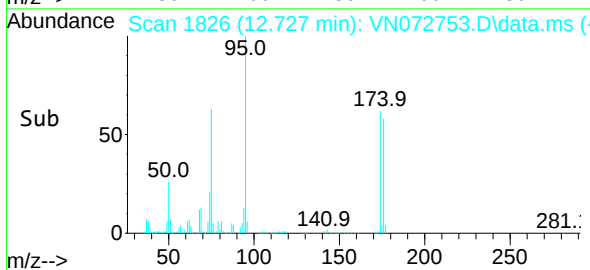
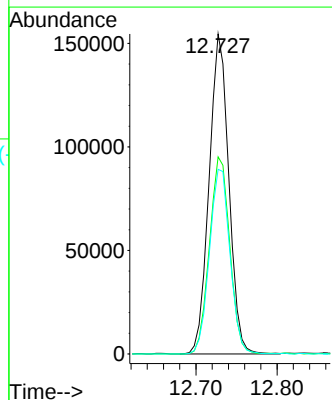
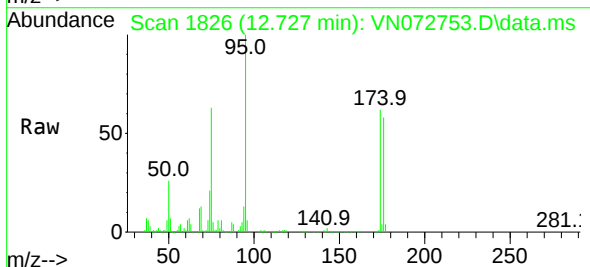
Instrument :
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GATE-6-JET-GROUT-SPOILS

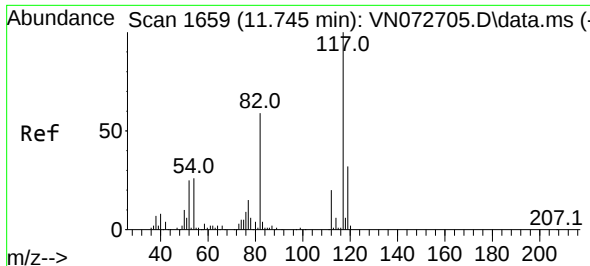
Tgt Ion: 92 Resp: 670972
Ion Ratio Lower Upper
92 100
91 173.0 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 53.783 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

Tgt Ion: 95 Resp: 260215
Ion Ratio Lower Upper
95 100
174 63.6 0.0 167.6
176 60.1 0.0 163.4

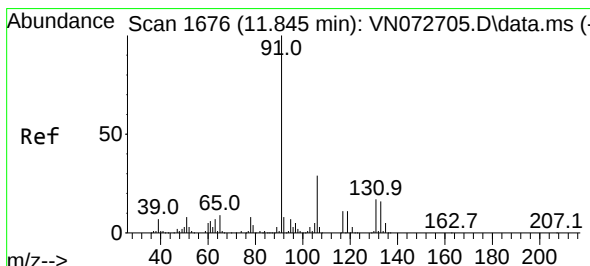
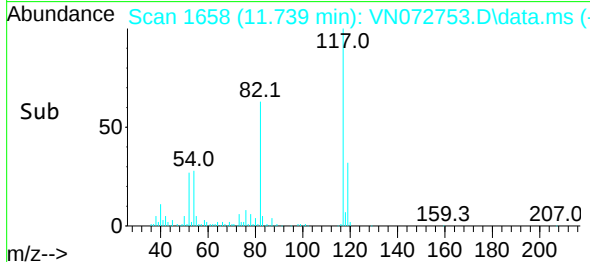
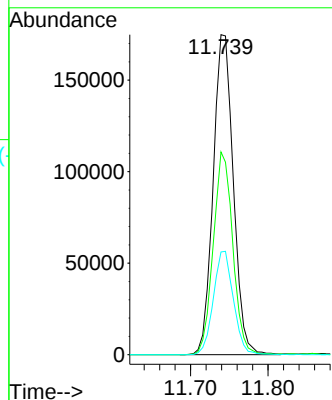
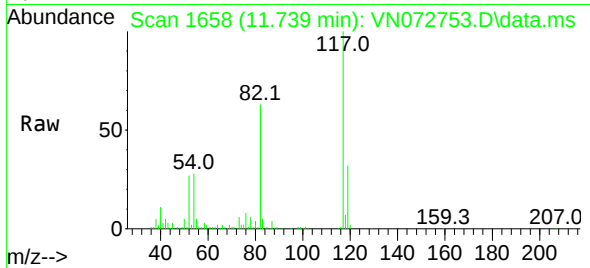




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.006 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

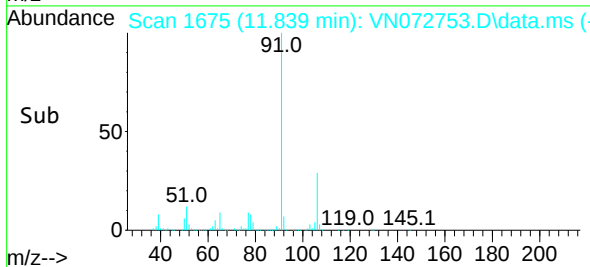
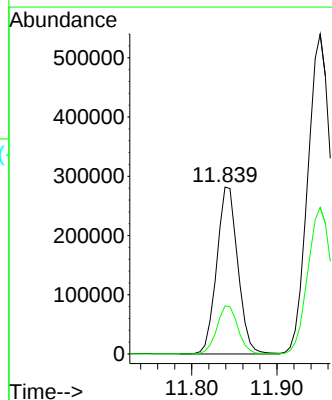
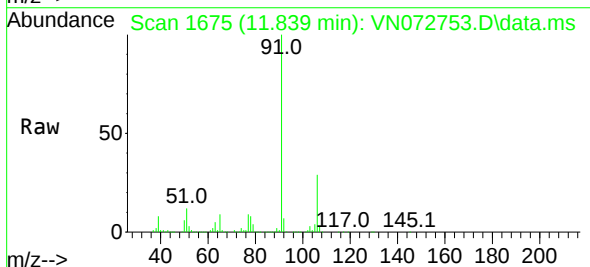
Instrument :
MSVOA_N
ClientSampleId :
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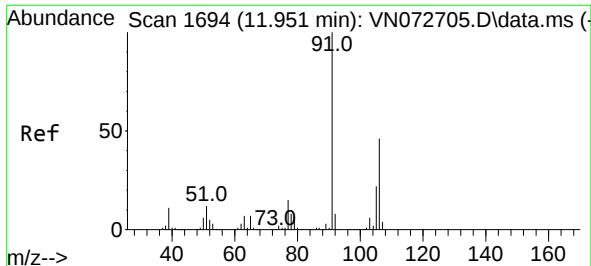
Tgt Ion:117 Resp: 315999
Ion Ratio Lower Upper
117 100
82 63.3 44.2 66.2
119 32.1 25.4 38.0



#67
Ethyl Benzene
Concen: 30.714 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

Tgt Ion: 91 Resp: 486291
Ion Ratio Lower Upper
91 100
106 28.7 24.9 37.3

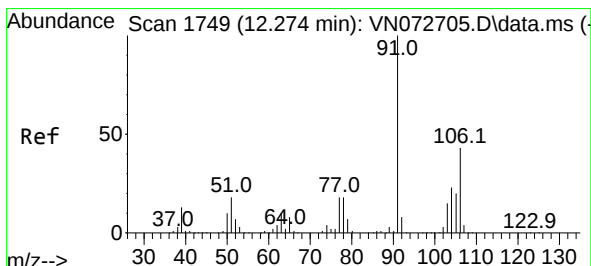
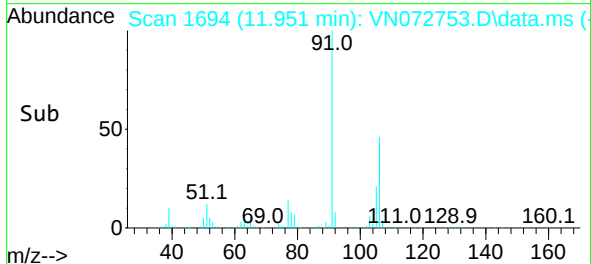
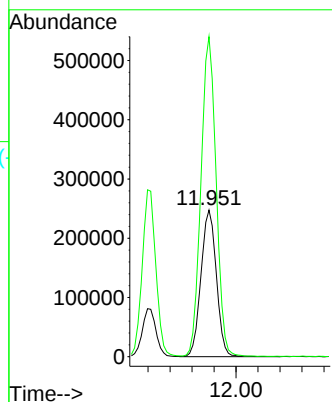
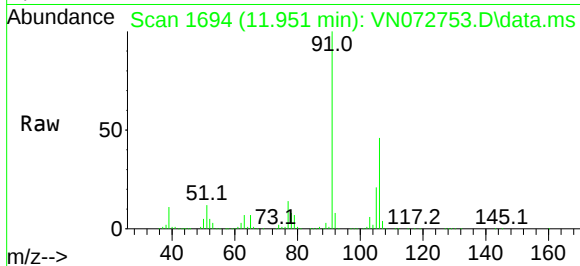




#68
m/p-Xylenes
Concen: 85.494 ug/l
RT: 11.951 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

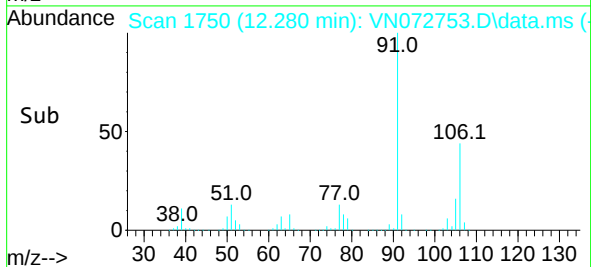
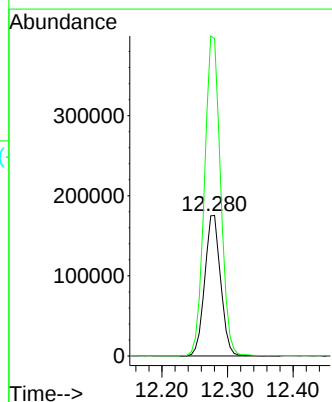
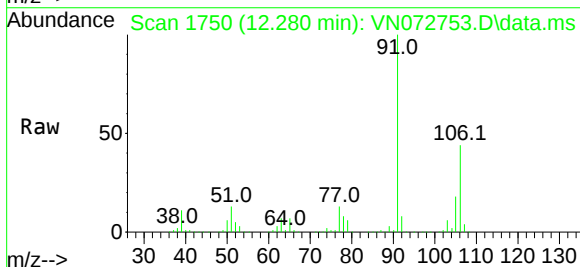
Instrument :
MSVOA_N
ClientSampleId :
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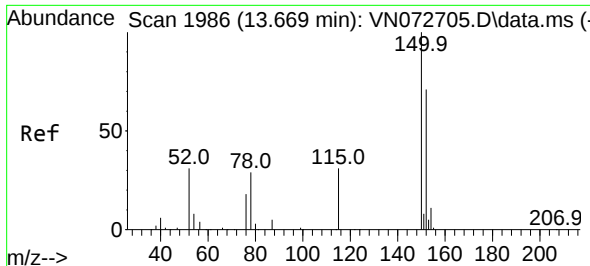
Tgt Ion:106 Resp: 481047
Ion Ratio Lower Upper
106 100
91 214.5 158.9 238.3



#69
o-Xylene
Concen: 52.450 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

Tgt Ion:106 Resp: 296661
Ion Ratio Lower Upper
106 100
91 230.1 106.0 318.0

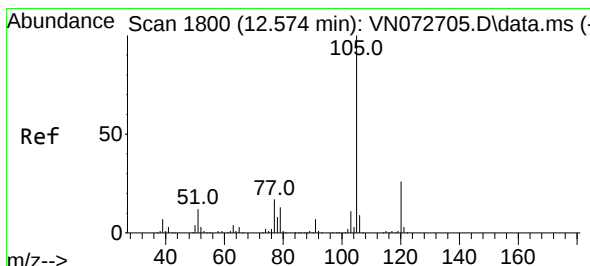
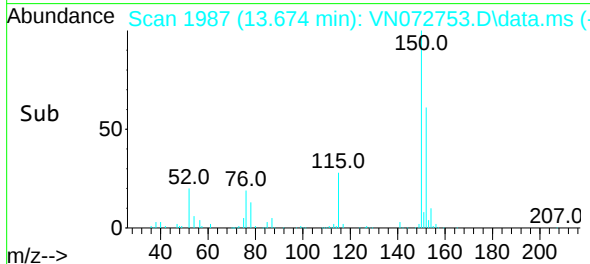
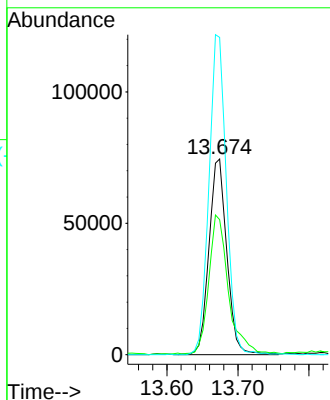
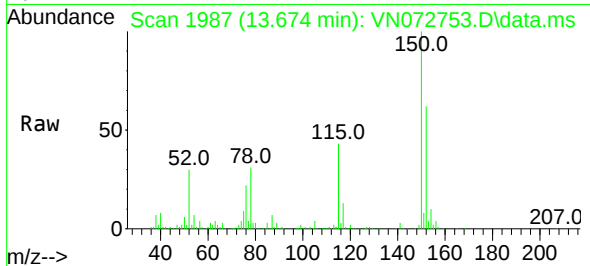




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.005 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

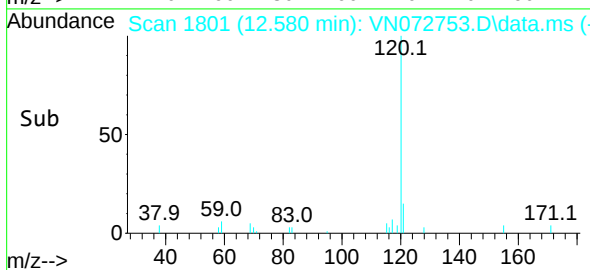
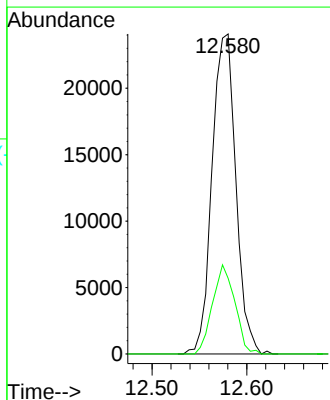
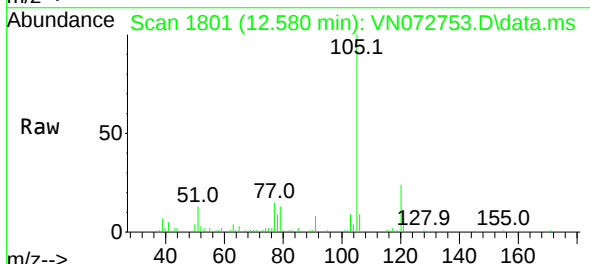
Instrument :
MSVOA_N
ClientSampleId :
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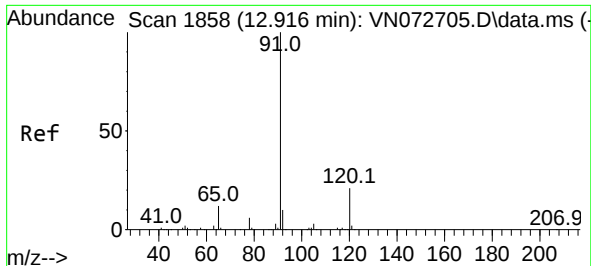
Tgt Ion:152 Resp: 130422
Ion Ratio Lower Upper
152 100
115 77.8 28.9 86.7
150 158.9 0.0 356.2



#73
Isopropylbenzene
Concen: 3.005 ug/l
RT: 12.580 min Scan# 1801
Delta R.T. 0.006 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

Tgt Ion:105 Resp: 42032
Ion Ratio Lower Upper
105 100
120 26.1 13.5 40.4

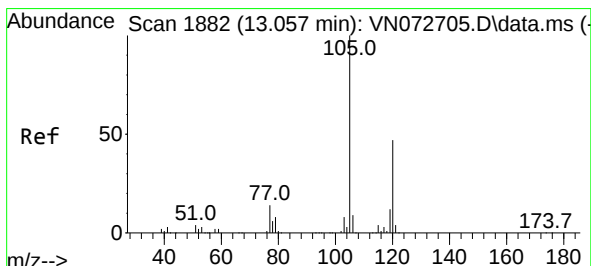
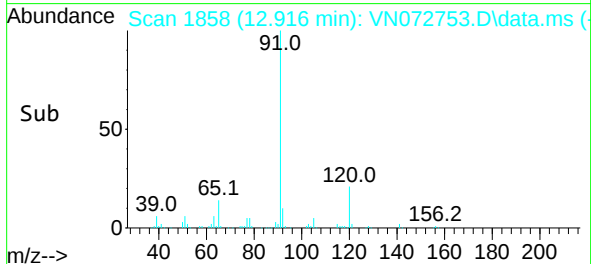
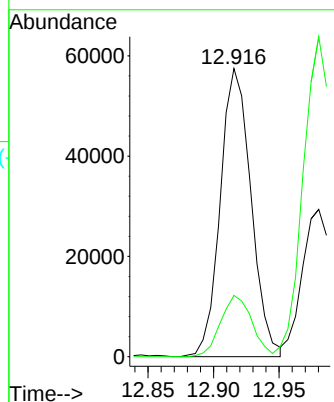
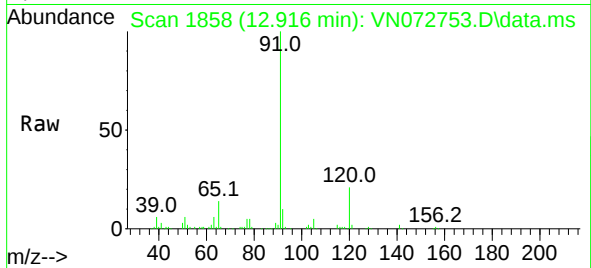




#78
n-propylbenzene
Concen: 6.142 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

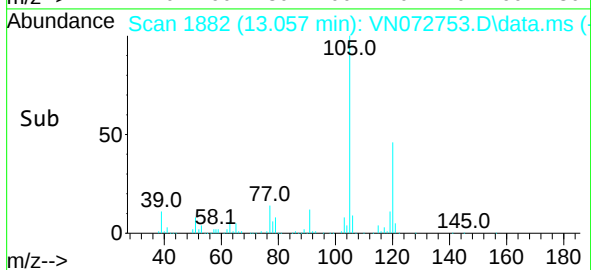
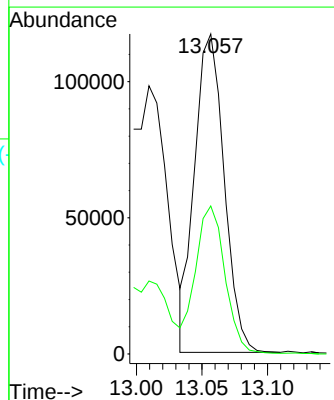
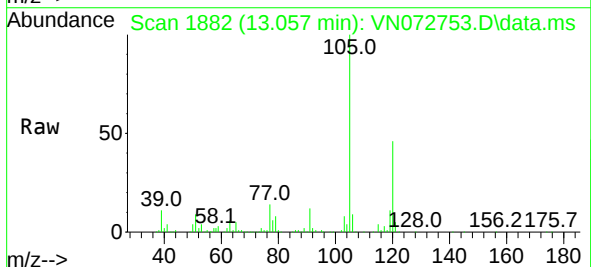
Instrument :
MSVOA_N
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

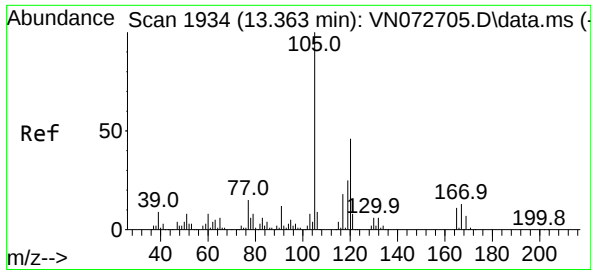
Tgt Ion: 91 Resp: 93814
Ion Ratio Lower Upper
91 100
120 21.6 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 16.539 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN072753.D
Acq: 10 Jun 2022 01:13

Tgt Ion: 105 Resp: 183327
Ion Ratio Lower Upper
105 100
120 46.1 24.9 74.7





#84

1,2,4-Trimethylbenzene

Concen: 64.759 ug/l

RT: 13.363 min Scan# 1934

Delta R.T. -0.000 min

Lab File: VN072753.D

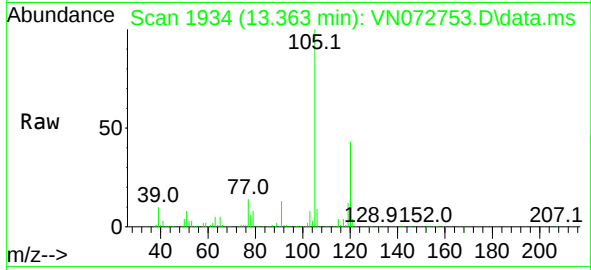
Acq: 10 Jun 2022 01:13

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:105 Resp: 686841

Ion Ratio Lower Upper

105 100

120 43.1 23.3 69.8

