

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060822\
 Data File : VX029324.D
 Acq On : 08 Jun 2022 16:23
 Operator : JC/MD
 Sample : N3203-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 09 07:00:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

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

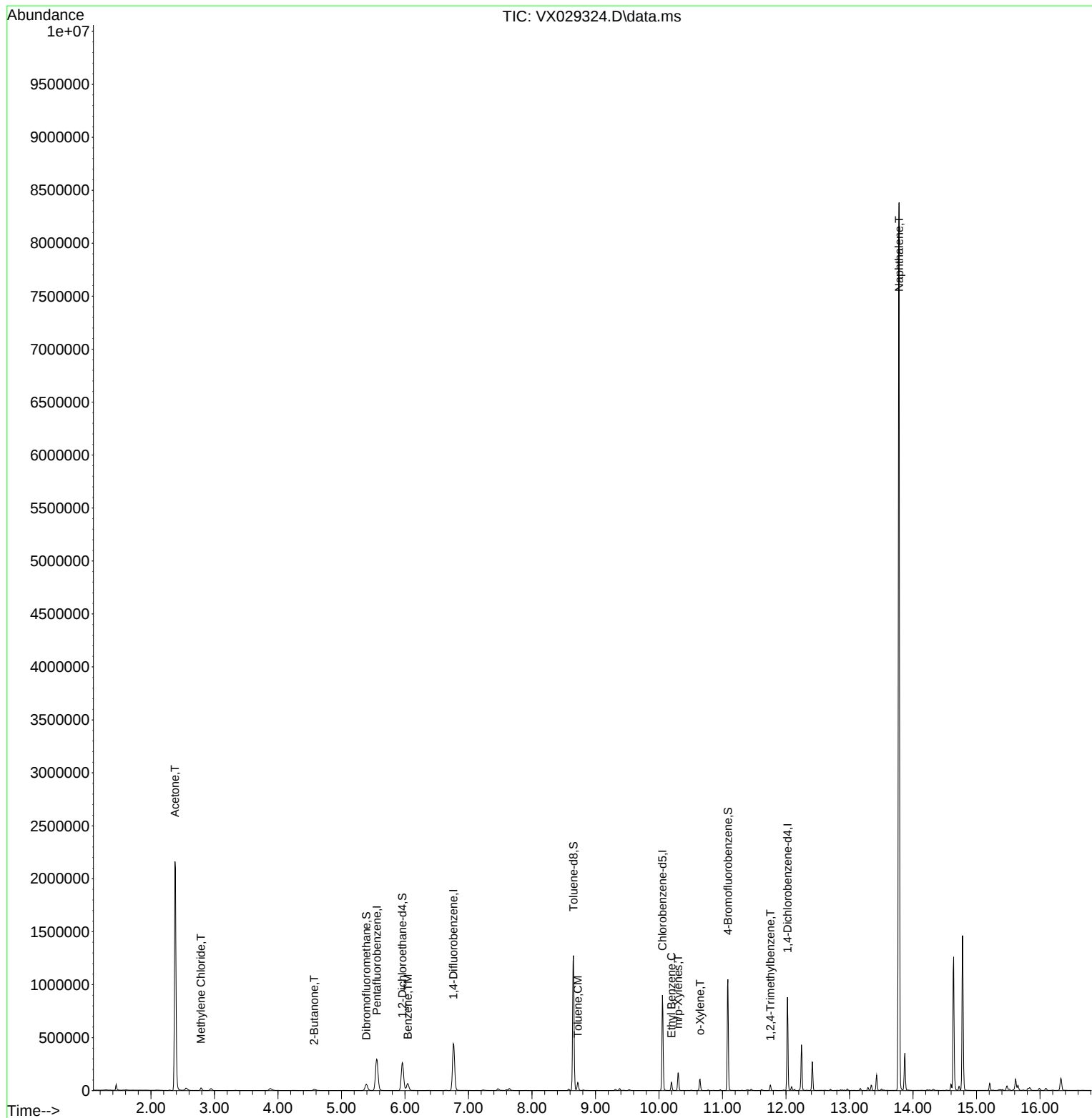
Internal Standards						
1) Pentafluorobenzene	5.556	168	274194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	461253	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	397758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	175947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	259888	62.712	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 125.420%	
35) Dibromofluoromethane	5.391	113	52400	13.363	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 26.720%#	
50) Toluene-d8	8.653	98	769940	55.517	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 111.040%	
62) 4-Bromofluorobenzene	11.085	95	291322	53.678	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 107.360%	
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	2253376	1015.887	ug/l	97
20) Methylene Chloride	2.788	84	10987	2.218	ug/l	95
25) 2-Butanone	4.568	43	13204	3.763	ug/l	94
40) Benzene	6.044	78	81241	4.213	ug/l	96
52) Toluene	8.720	92	27676	2.236	ug/l	99
67) Ethyl Benzene	10.195	91	45489	2.361	ug/l	99
68) m/p-Xylenes	10.299	106	40269	5.401	ug/l	94
69) o-Xylene	10.646	106	23382	3.227	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	23333	2.010	ug/l	96
95) Naphthalene	13.780	128	5051680	394.016	ug/l	97

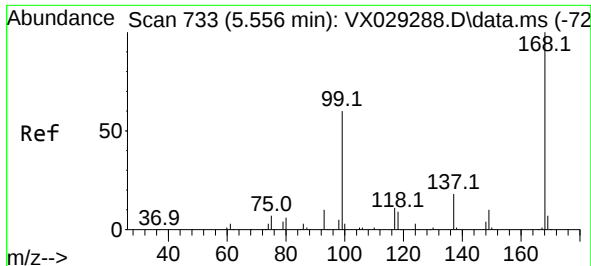
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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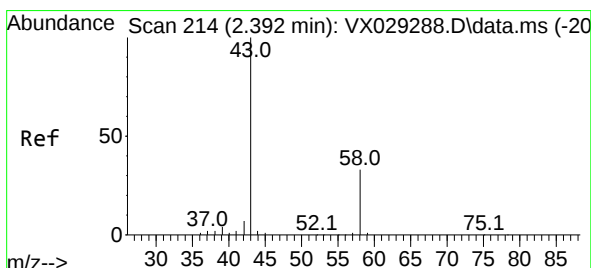
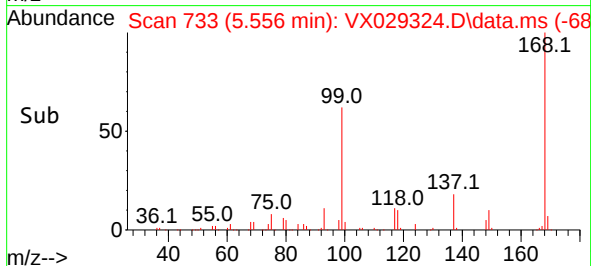
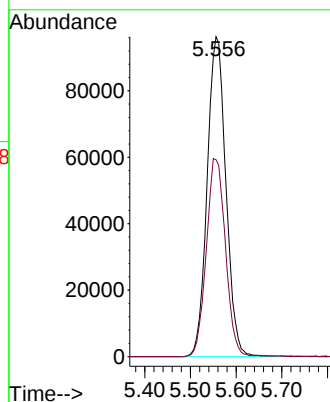
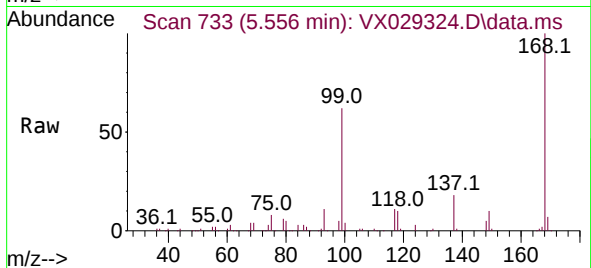




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX029324.D
Acq: 08 Jun 2022 16:23

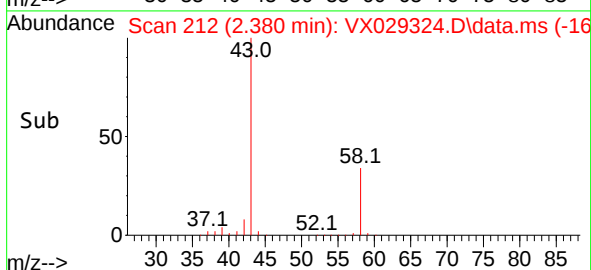
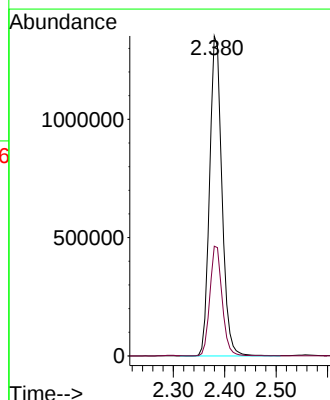
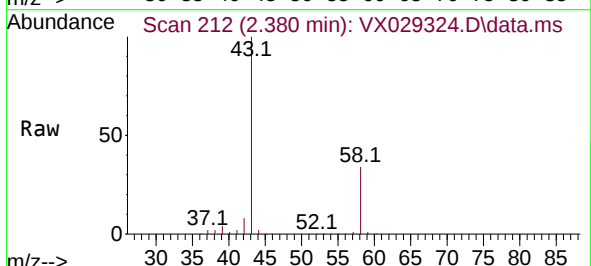
Instrument :
MSVOA_X
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

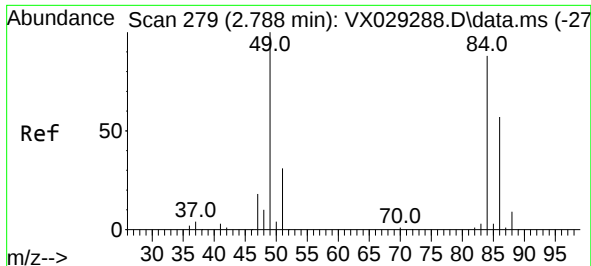
Tgt Ion:168 Resp: 274194
Ion Ratio Lower Upper
168 100
99 61.5 41.7 62.5



#16
Acetone
Concen: 1015.887 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX029324.D
Acq: 08 Jun 2022 16:23

Tgt Ion: 43 Resp: 2253376
Ion Ratio Lower Upper
43 100
58 34.2 28.8 43.2

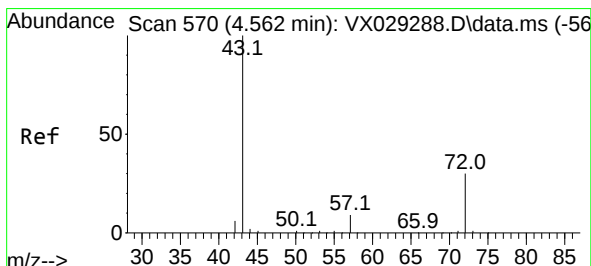
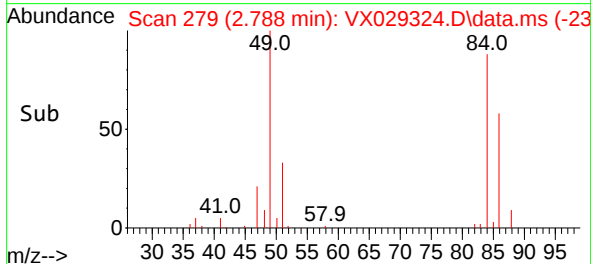
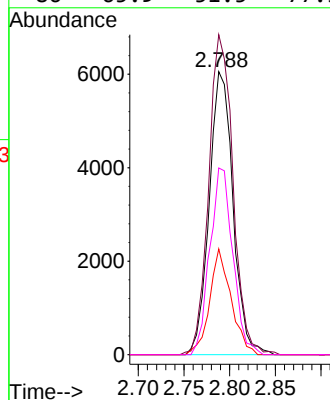
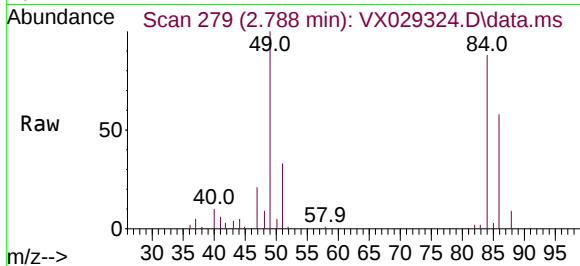




#20
Methylene Chloride
Concen: 2.218 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029324.D
Acq: 08 Jun 2022 16:23

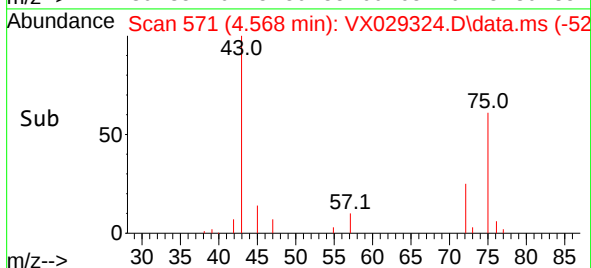
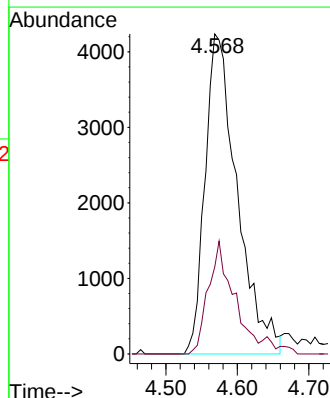
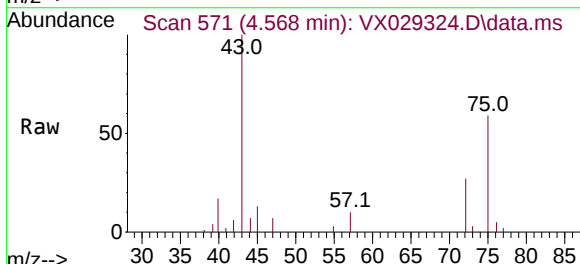
Instrument :
MSVOA_X
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

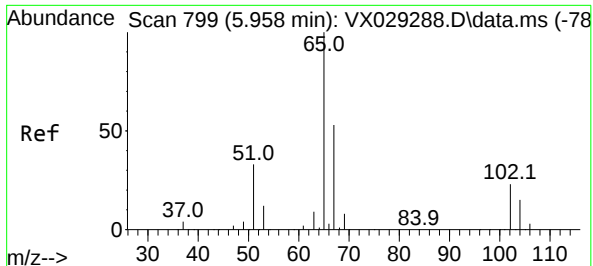
Tgt Ion:	84	Resp:	10987
Ion	Ratio	Lower	Upper
84	100		
49	113.1	85.5	128.3
51	37.4	26.6	39.8
86	65.9	51.5	77.3



#25
2-Butanone
Concen: 3.763 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX029324.D
Acq: 08 Jun 2022 16:23

Tgt Ion:	43	Resp:	13204
Ion	Ratio	Lower	Upper
43	100		
72	27.2	24.4	36.6





#33

1,2-Dichloroethane-d4

Concen: 62.712 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029324.D

Acq: 08 Jun 2022 16:23

Instrument :

MSVOA_X

ClientSampleId :

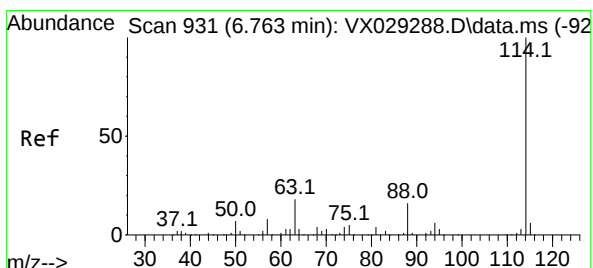
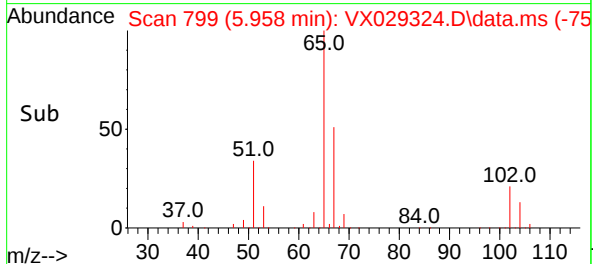
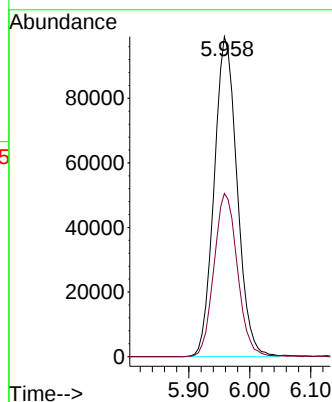
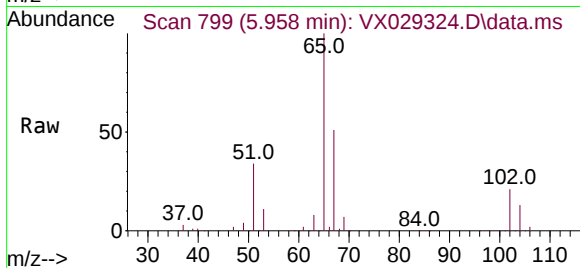
GATE-6-JET-GROUT-SPOILS

Tgt Ion: 65 Resp: 259888

Ion Ratio Lower Upper

65 100

67 52.0 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX029324.D

Acq: 08 Jun 2022 16:23

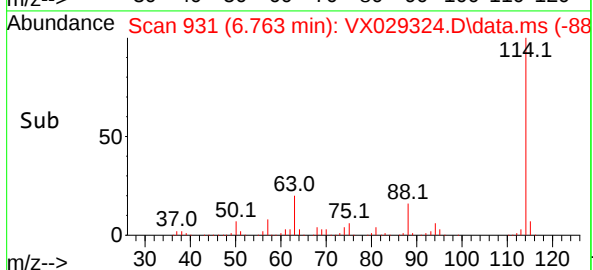
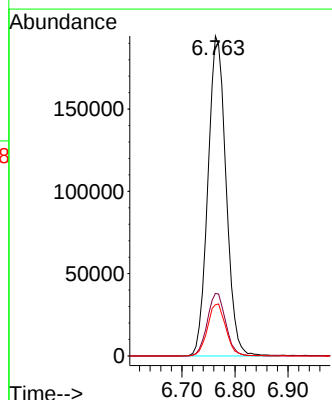
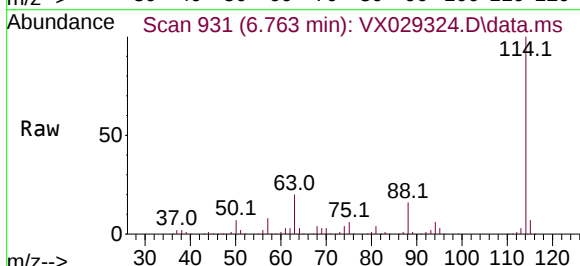
Tgt Ion: 114 Resp: 461253

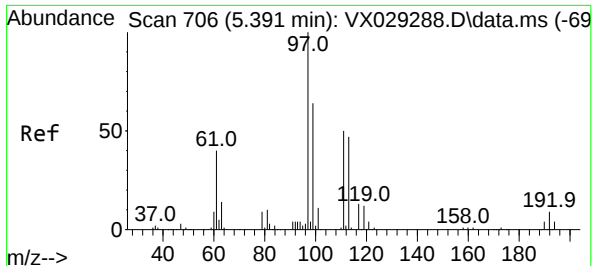
Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.8

88 16.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 13.363 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX029324.D

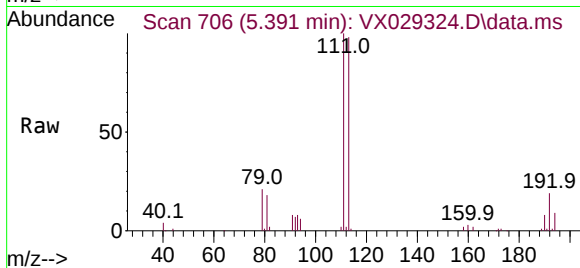
Acq: 08 Jun 2022 16:23

Instrument :

MSVOA_X

ClientSampleId :

GATE-6-JET-GROUT-SPOILS



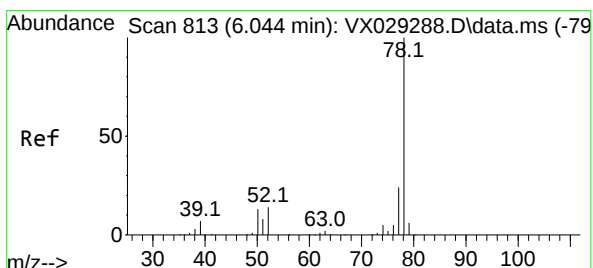
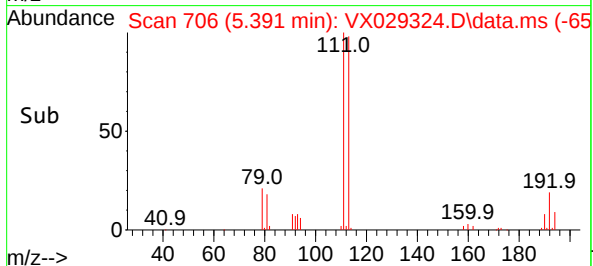
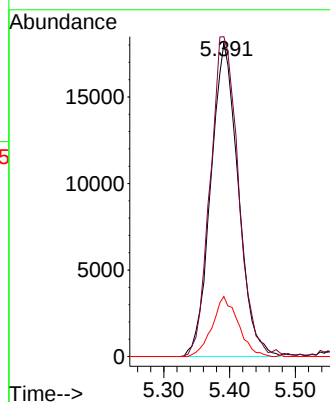
Tgt Ion:113 Resp: 52400

Ion Ratio Lower Upper

113 100

111 104.5 82.8 124.2

192 18.2 16.9 25.3



#40

Benzene

Concen: 4.213 ug/l

RT: 6.044 min Scan# 813

Delta R.T. -0.000 min

Lab File: VX029324.D

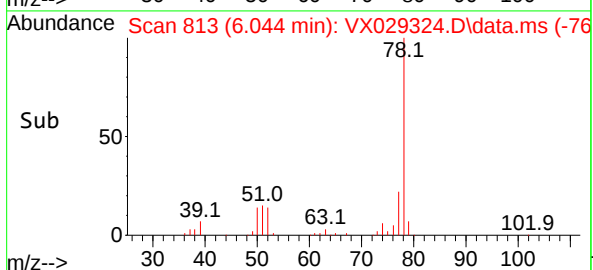
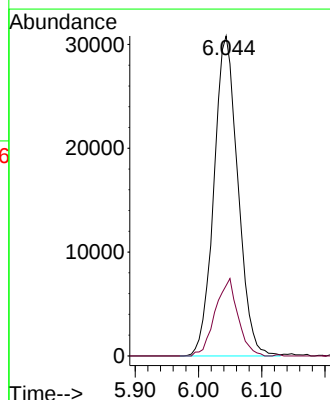
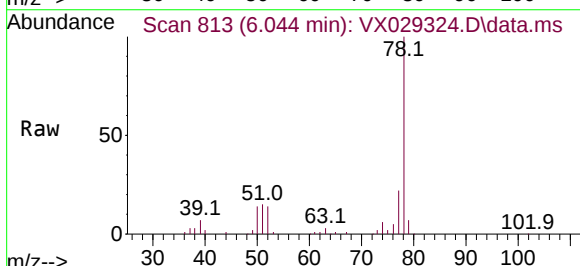
Acq: 08 Jun 2022 16:23

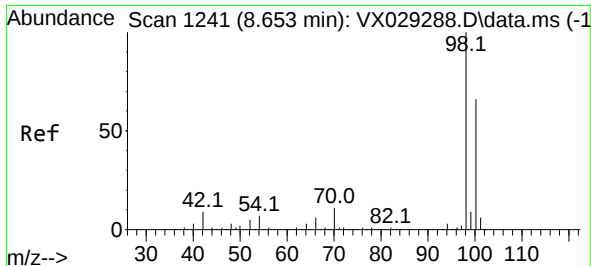
Tgt Ion: 78 Resp: 81241

Ion Ratio Lower Upper

78 100

77 22.0 19.3 28.9

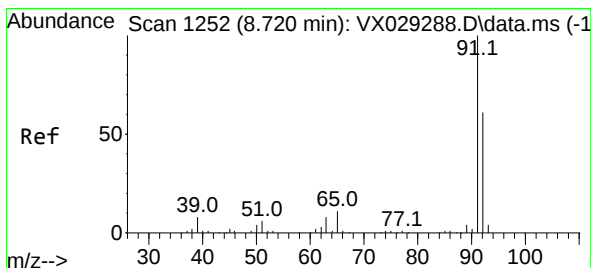
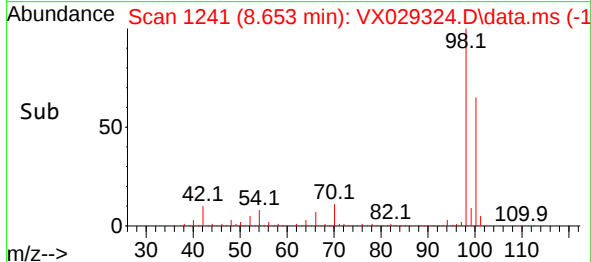
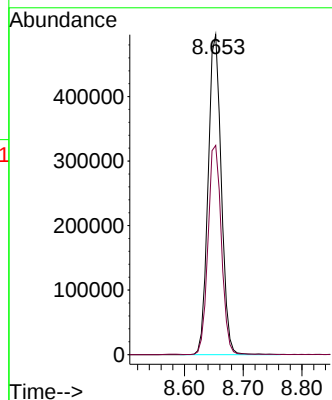
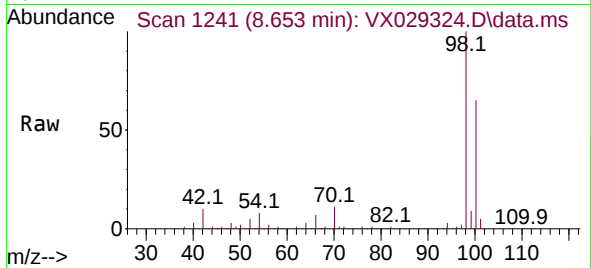




#50
Toluene-d8
Concen: 55.517 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029324.D
Acq: 08 Jun 2022 16:23

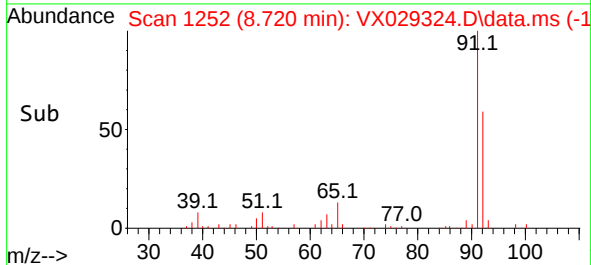
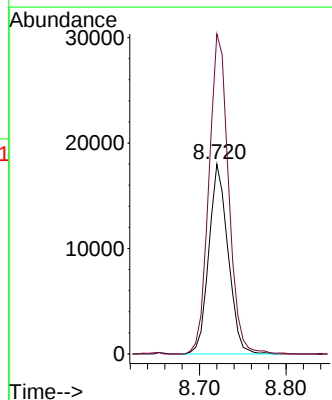
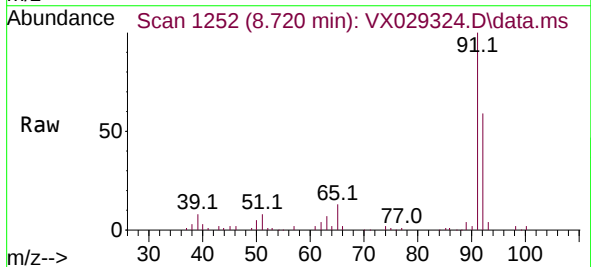
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GATE-6-JET-GROUT-SPOILS

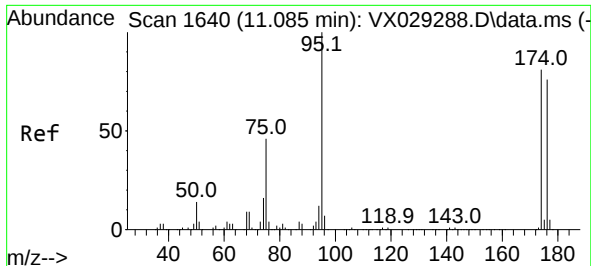
Tgt Ion: 98 Resp: 769940
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8



#52
Toluene
Concen: 2.236 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX029324.D
Acq: 08 Jun 2022 16:23

Tgt Ion: 92 Resp: 27676
Ion Ratio Lower Upper
92 100
91 172.9 137.5 206.3





#62

4-Bromofluorobenzene

Concen: 53.678 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX029324.D

Acq: 08 Jun 2022 16:23

Instrument :

MSVOA_X

ClientSampleId :

GATE-6-JET-GROUT-SPOILS

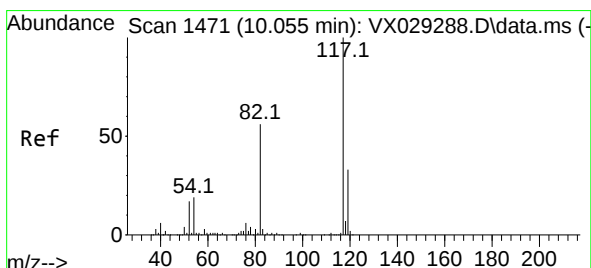
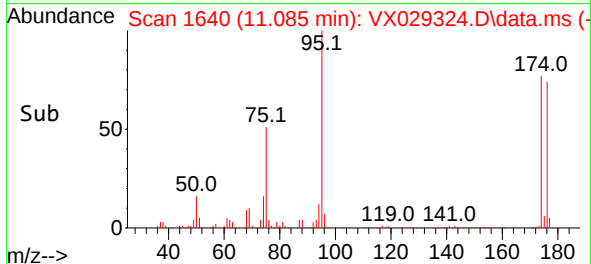
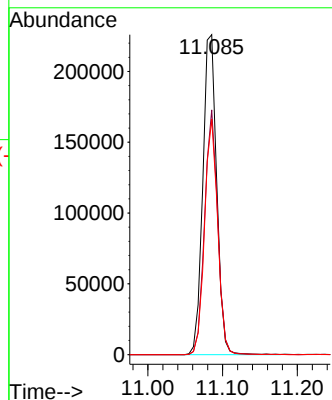
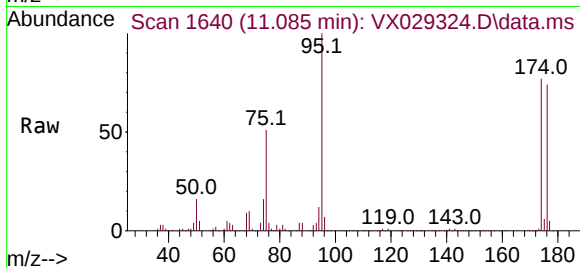
Tgt Ion: 95 Resp: 291322

Ion Ratio Lower Upper

95 100

174 72.2 0.0 163.0

176 69.6 0.0 155.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX029324.D

Acq: 08 Jun 2022 16:23

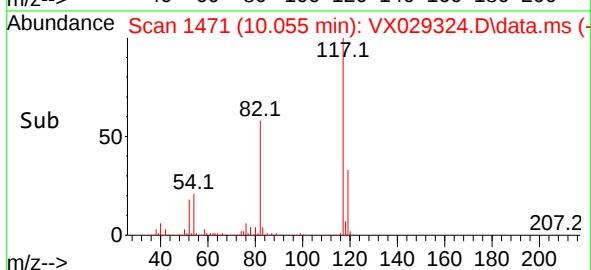
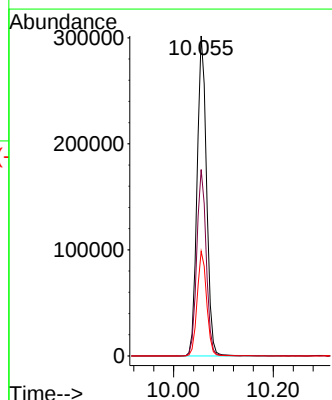
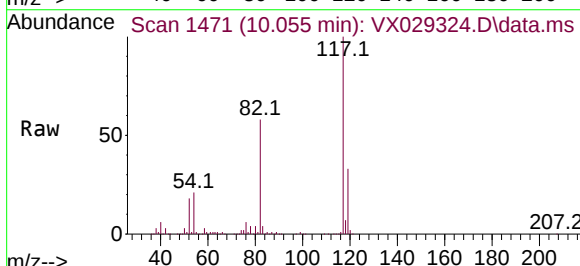
Tgt Ion: 117 Resp: 397758

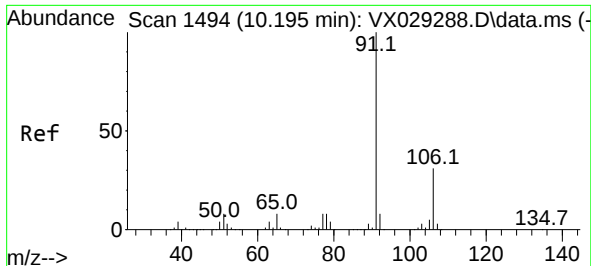
Ion Ratio Lower Upper

117 100

82 58.2 41.8 62.8

119 32.7 24.8 37.2

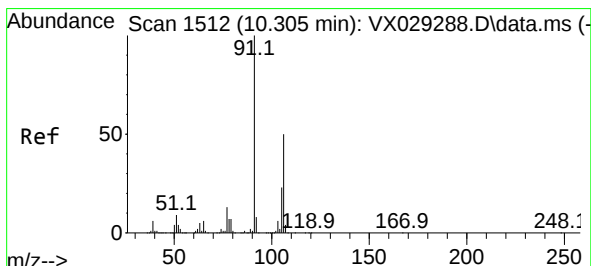
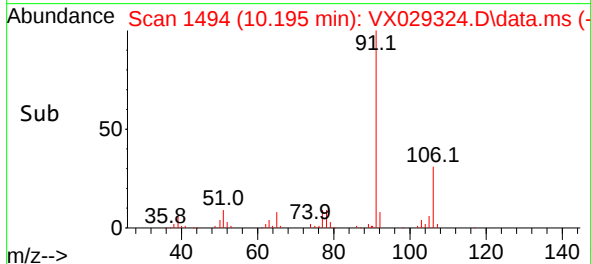
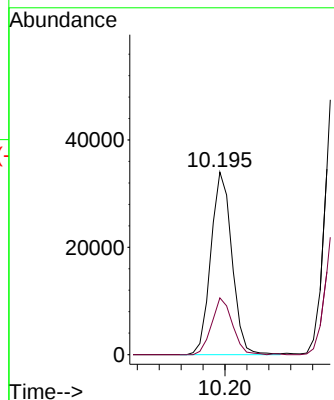
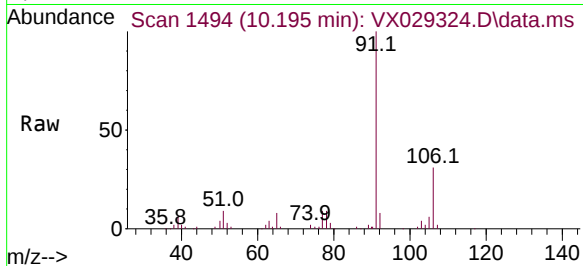




#67
Ethyl Benzene
Concen: 2.361 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX029324.D
Acq: 08 Jun 2022 16:23

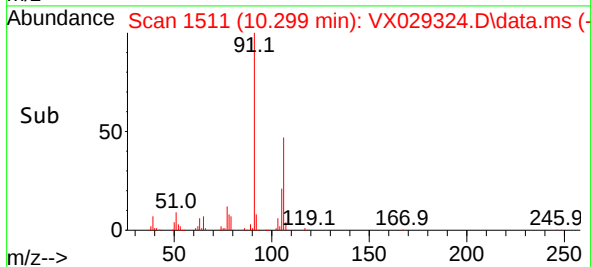
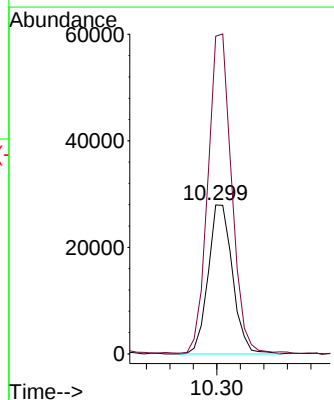
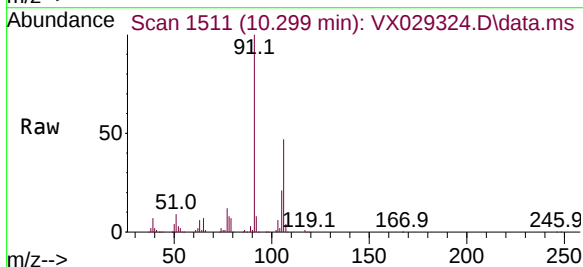
Instrument :
MSVOA_X
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

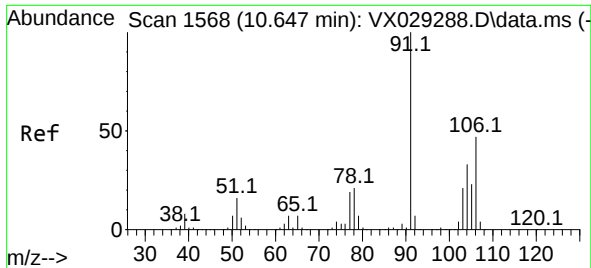
Tgt Ion: 91 Resp: 45489
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8



#68
m/p-Xylenes
Concen: 5.401 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX029324.D
Acq: 08 Jun 2022 16:23

Tgt Ion: 106 Resp: 40269
Ion Ratio Lower Upper
106 100
91 209.2 160.4 240.6

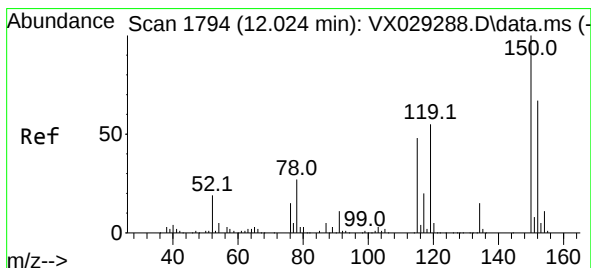
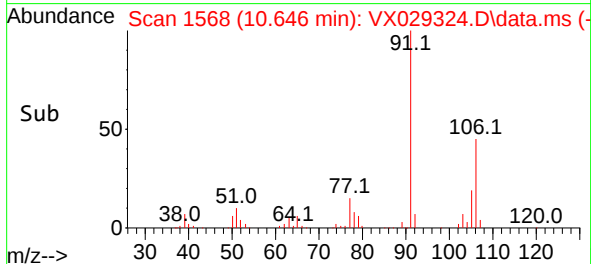
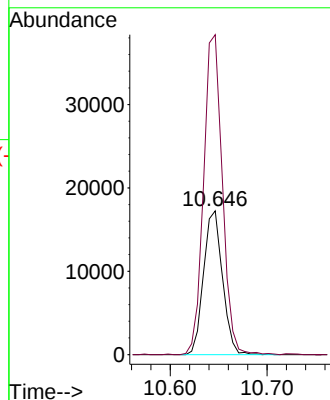
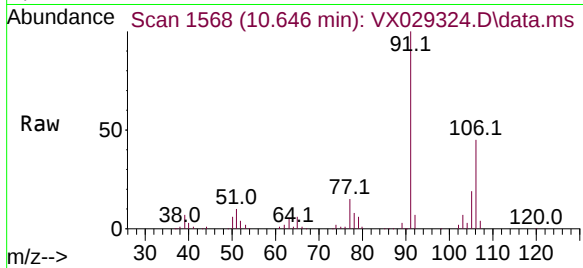




#69
o-Xylene
Concen: 3.227 ug/l
RT: 10.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029324.D
Acq: 08 Jun 2022 16:23

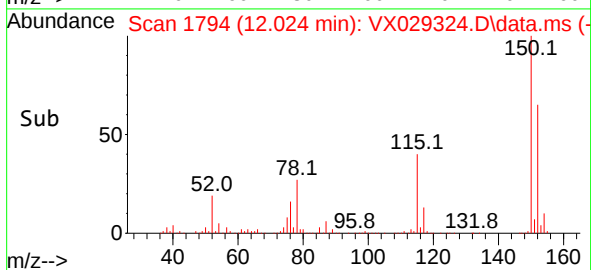
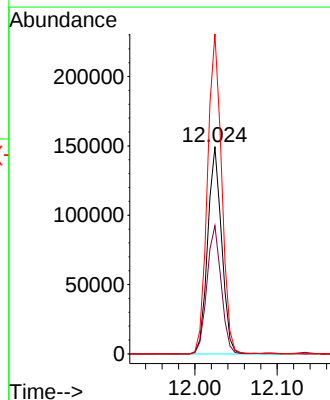
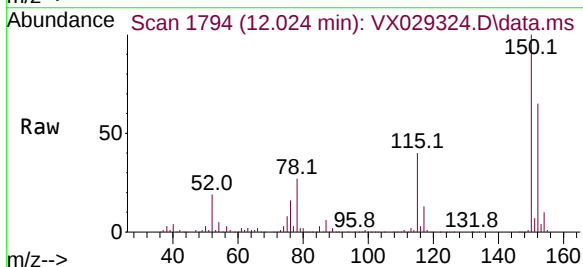
Instrument :
MSVOA_X
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

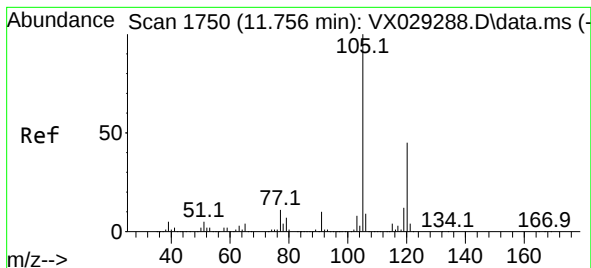
Tgt Ion:106 Resp: 23382
Ion Ratio Lower Upper
106 100
91 221.0 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029324.D
Acq: 08 Jun 2022 16:23

Tgt Ion:152 Resp: 175947
Ion Ratio Lower Upper
152 100
115 63.1 37.5 112.7
150 157.2 0.0 338.2





#84

1,2,4-Trimethylbenzene

Concen: 2.010 ug/l

RT: 11.756 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX029324.D

Acq: 08 Jun 2022 16:23

Instrument :

MSVOA_X

ClientSampleId :

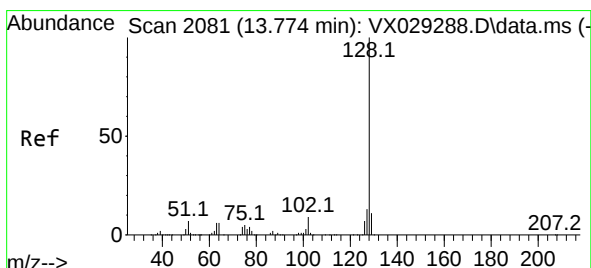
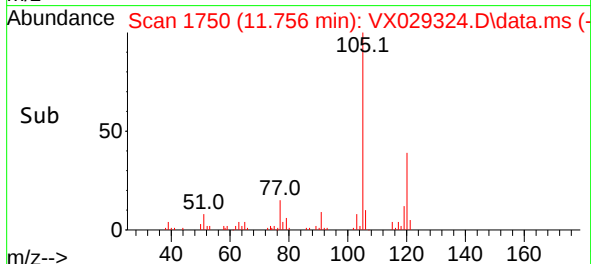
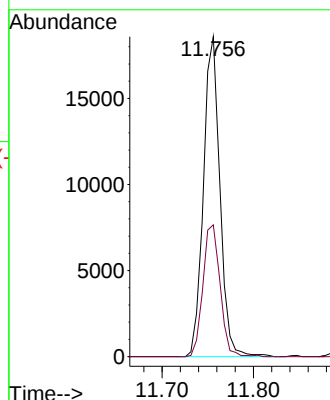
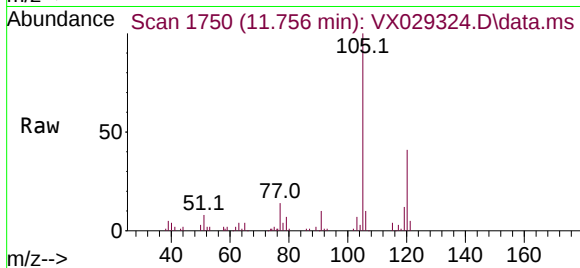
GATE-6-JET-GROUT-SPOILS

Tgt Ion:105 Resp: 23333

Ion Ratio Lower Upper

105 100

120 42.8 22.6 67.8



#95

Naphthalene

Concen: 394.016 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX029324.D

Acq: 08 Jun 2022 16:23

Tgt Ion:128 Resp: 5051680

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.4

129 11.9 8.7 13.1

