

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061022\
 Data File : VD073525.D
 Acq On : 10 Jun 2022 13:38
 Operator : VA/SY
 Sample : N3203-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jun 10 23:05:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

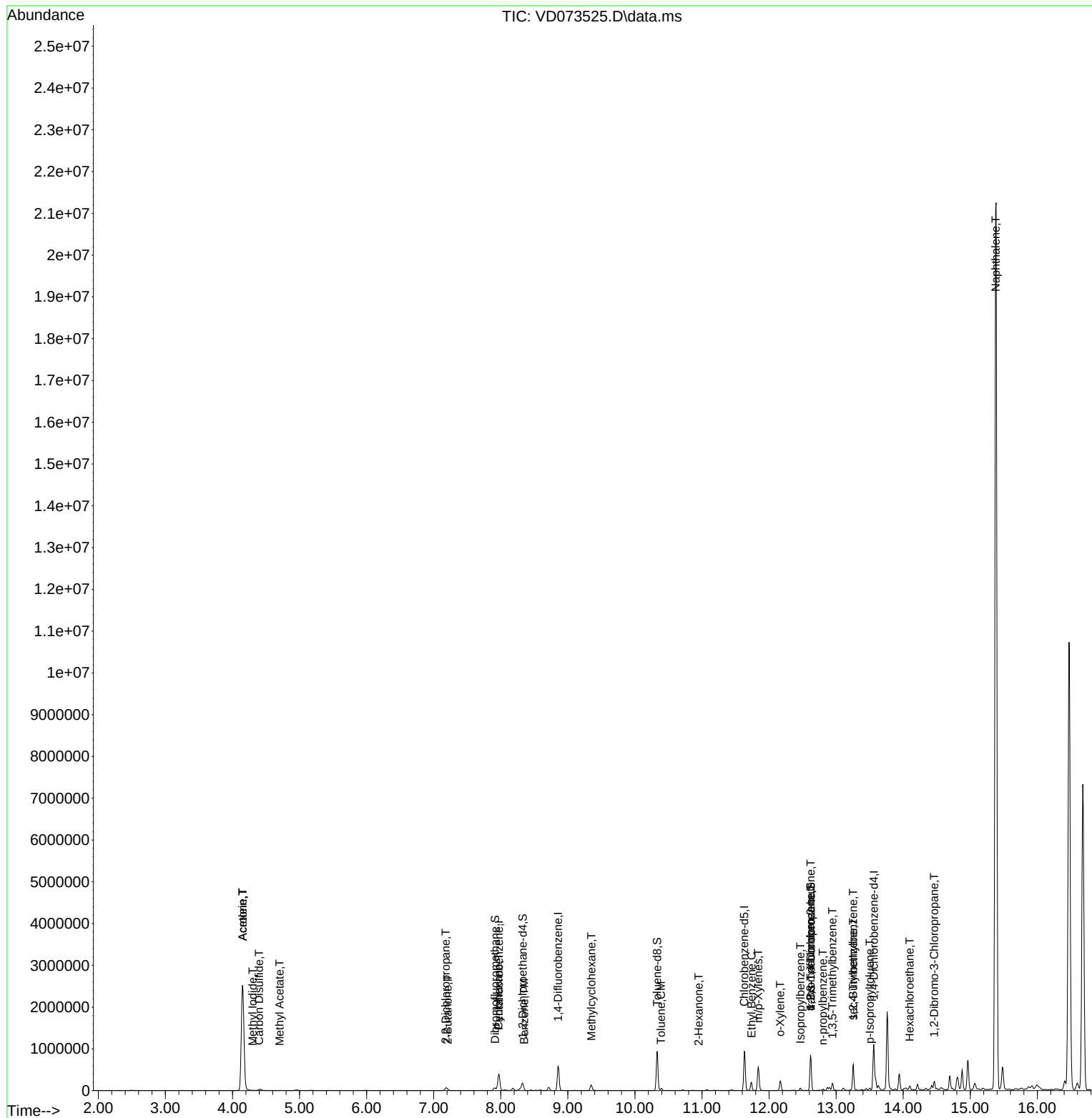
Internal Standards						
1) Pentafluorobenzene	7.973	168	269567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	517189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	567387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	299813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	136902	47.325	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.640%		
35) Dibromofluoromethane	7.914	113	46253	13.908	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	27.820%#		
50) Toluene-d8	10.332	98	632156	50.274	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.540%		
62) 4-Bromofluorobenzene	12.620	95	282116	61.803	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	123.600%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	2302	4.807	ug/l #	50
11) Tert butyl alcohol	5.167	59	2687	Below Cal	#	74
13) Acrolein	4.150	56	1068	8.382	ug/l #	1
16) Acetone	4.150	43	4445938	8728.565	ug/l	92
17) Carbon Disulfide	4.397	76	55825	6.696	ug/l	96
18) Methyl Acetate	4.703	43	367	1.618	ug/l #	55
20) Methylene Chloride	4.956	84	10230	Below Cal	#	74
25) 2-Butanone	7.208	43	8267	11.031	ug/l #	89
26) 2,2-Dichloropropane	7.179	77	6183	1.273	ug/l #	60
31) Cyclohexane	7.967	56	18555	3.808	ug/l #	77
39) Methylcyclohexane	9.349	83	52050	8.942	ug/l	99
40) Benzene	8.350	78	15057	1.036	ug/l	97
52) Toluene	10.391	92	20378	2.187	ug/l	97
59) 2-Hexanone	10.949	43	1593	1.184	ug/l #	27
67) Ethyl Benzene	11.738	91	140963	6.910	ug/l	98
68) m/p-Xylenes	11.838	106	178773	22.330	ug/l	99
69) o-Xylene	12.167	106	62708	8.512	ug/l	97
73) Isopropylbenzene	12.467	105	35302	1.699	ug/l	99
76) 1,2,3-Trichloropropane	12.620	75	138767	47.644	ug/l #	100
78) n-propylbenzene	12.802	91	26537	1.026	ug/l	97
80) 1,3,5-Trimethylbenzene	12.943	105	85883	4.792	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.620	75	138767	111.829	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.255	105	325620	18.203	ug/l	97
85) sec-Butylbenzene	13.255	105	325620	14.349	ug/l #	57
86) p-Isopropyltoluene	13.502	119	20327	1.075	ug/l	93
90) Hexachloroethane	14.096	117	11051	2.821	ug/l #	22
92) 1,2-Dibromo-3-Chloropr...	14.461	75	1823	2.893	ug/l #	6
95) Naphthalene	15.379	128	18335081	1554.967	ug/l #	93

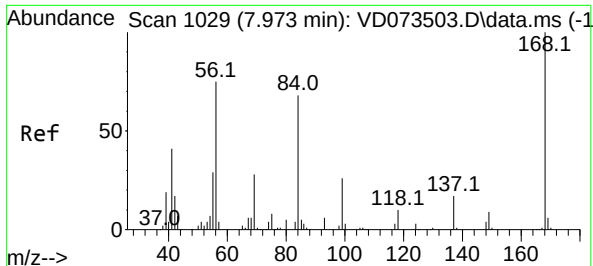
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 09 12:33:32 2022
Response via : Initial Calibration

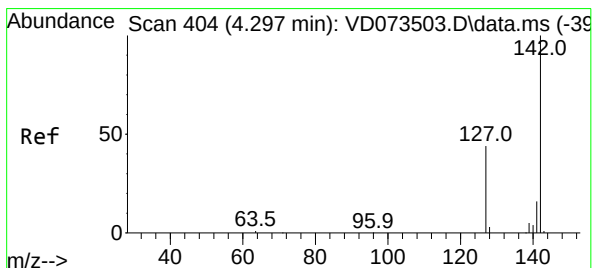
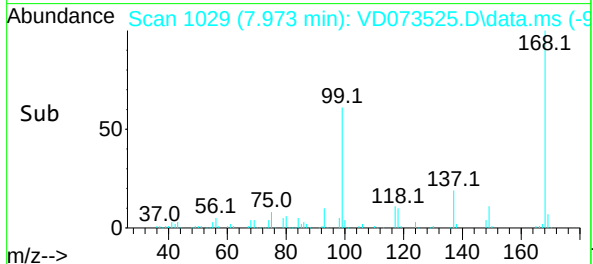
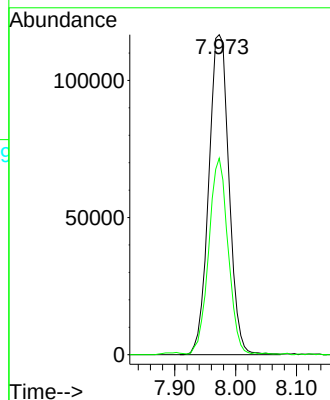
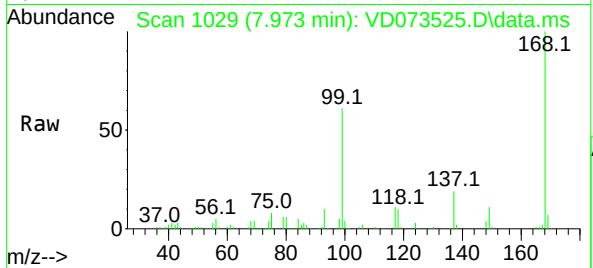




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

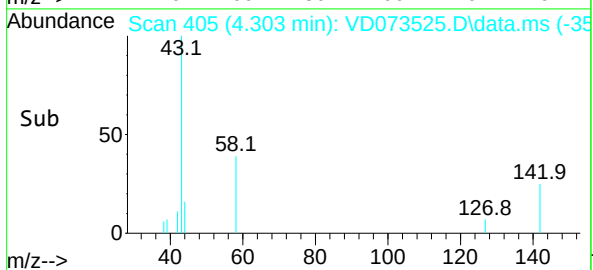
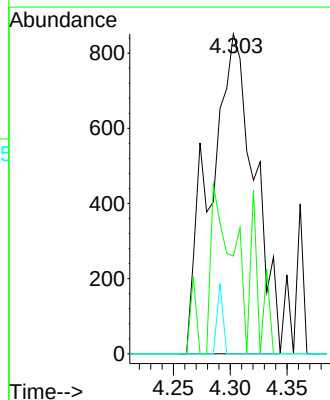
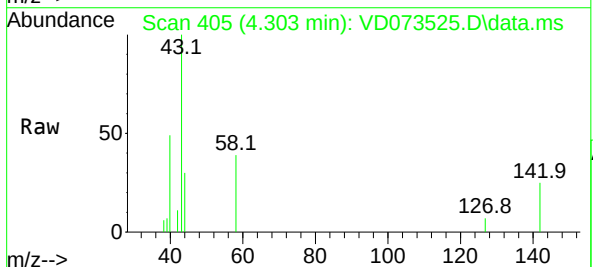
Instrument :
MSVOA_D
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

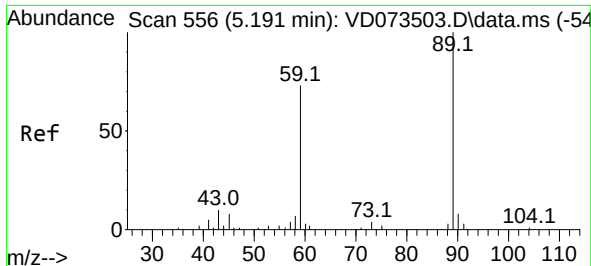
Tgt Ion:168 Resp: 269567
Ion Ratio Lower Upper
168 100
99 61.2 49.8 74.6



#10
Methyl Iodide
Concen: 4.807 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

Tgt Ion:142 Resp: 2302
Ion Ratio Lower Upper
142 100
127 10.1 37.3 55.9#
141 0.0 11.7 17.5#

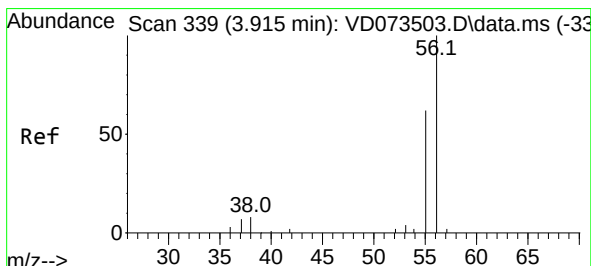
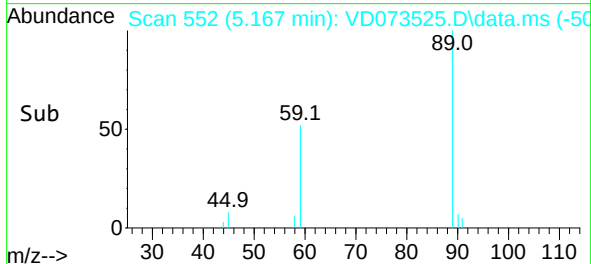
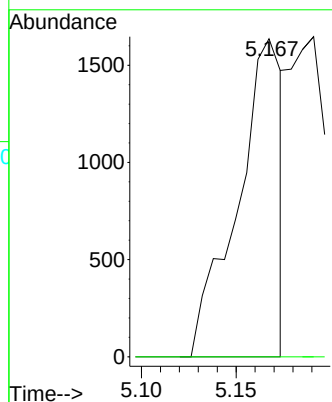
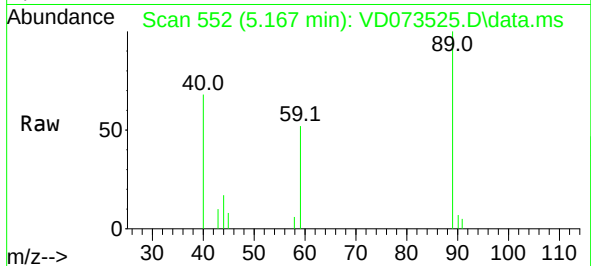




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.167 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

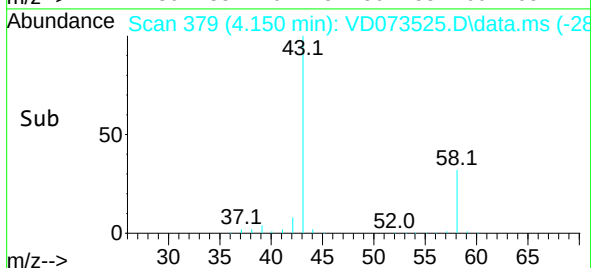
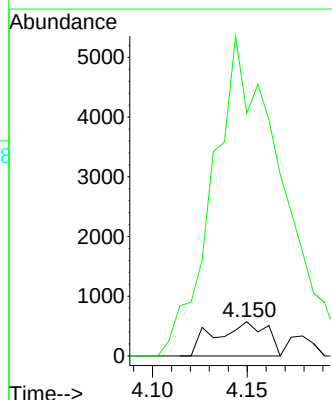
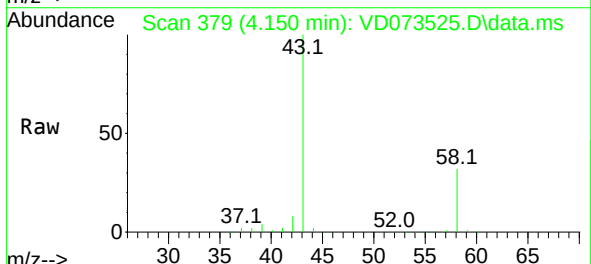
Instrument :
MSVOA_D
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

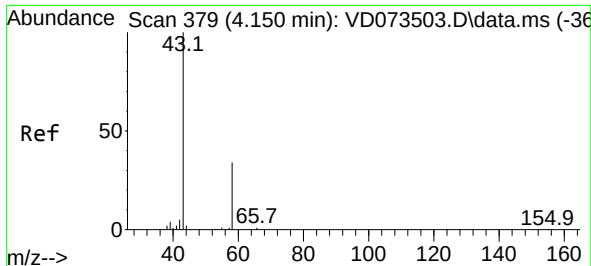
Tgt Ion: 59 Resp: 2687
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: 8.382 ug/l
RT: 4.150 min Scan# 379
Delta R.T. 0.235 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

Tgt Ion: 56 Resp: 1068
Ion Ratio Lower Upper
56 100
55 1244.5 57.1 85.7#

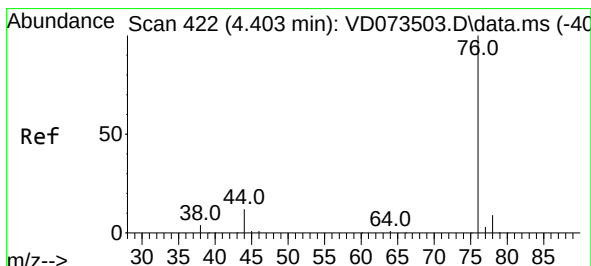
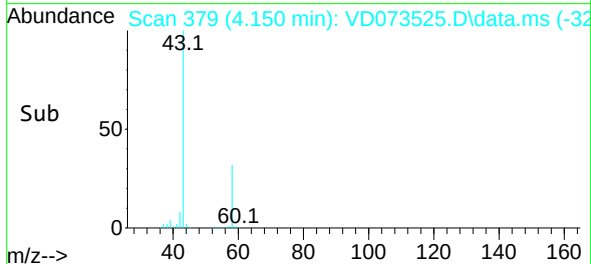
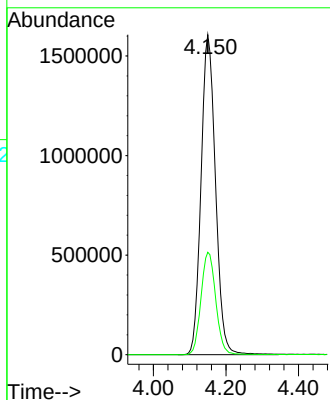
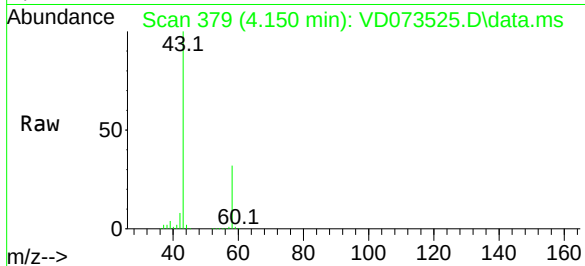




#16
Acetone
Concen: 8728.565 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

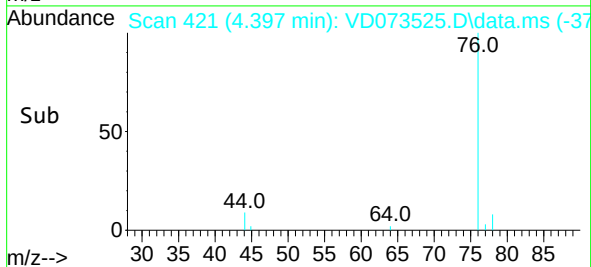
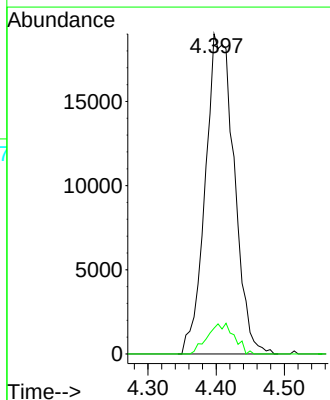
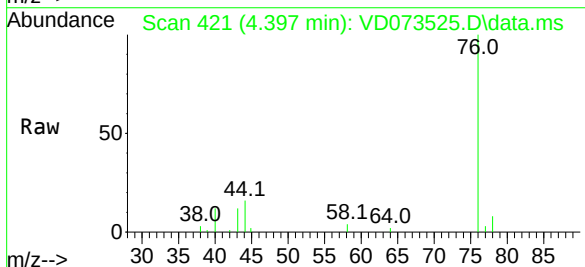
Instrument :
MSVOA_D
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

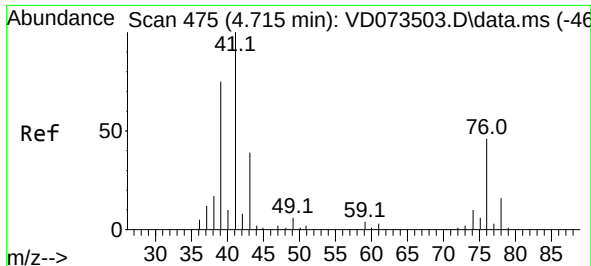
Tgt Ion: 43 Resp: 4445938
Ion Ratio Lower Upper
43 100
58 32.0 22.1 33.1



#17
Carbon Disulfide
Concen: 6.696 ug/l
RT: 4.397 min Scan# 421
Delta R.T. -0.006 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

Tgt Ion: 76 Resp: 55825
Ion Ratio Lower Upper
76 100
78 8.0 7.5 11.3





#18

Methyl Acetate

Concen: 1.618 ug/l

RT: 4.703 min Scan# 41

Delta R.T. -0.012 min

Lab File: VD073525.D

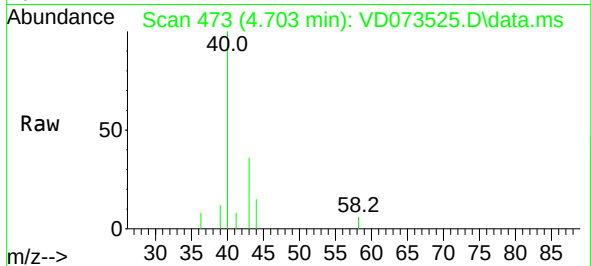
Acq: 10 Jun 2022 13:38

Instrument :

MSVOA_D

ClientSampleId :

GATE-6-JET-GROUT-SPOILS

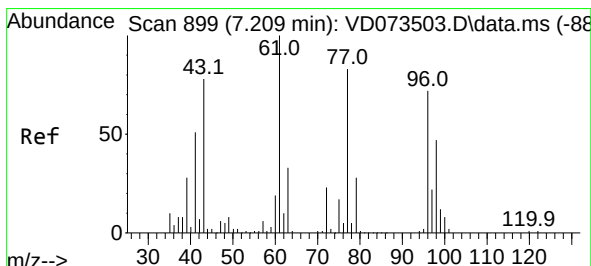
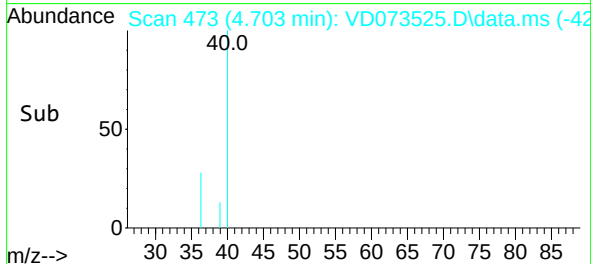
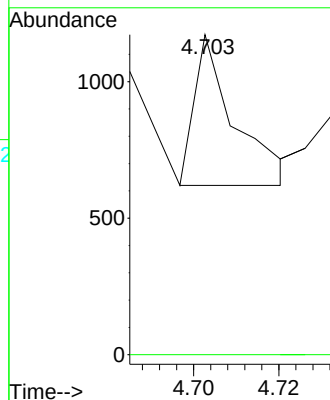


Tgt Ion: 43 Resp: 367

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#25

2-Butanone

Concen: 11.031 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.001 min

Lab File: VD073525.D

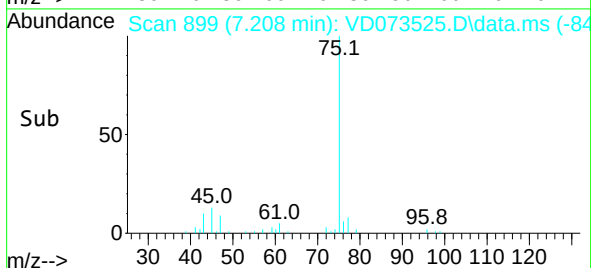
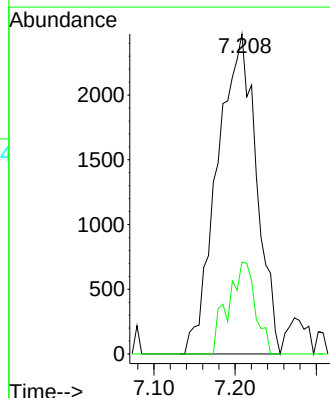
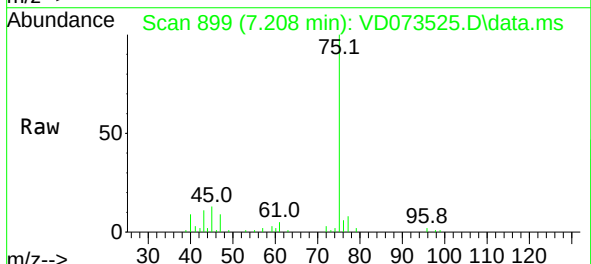
Acq: 10 Jun 2022 13:38

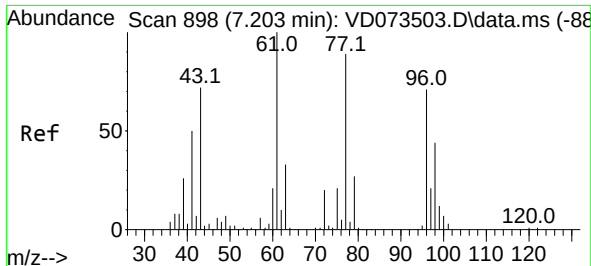
Tgt Ion: 43 Resp: 8267

Ion Ratio Lower Upper

43 100

72 28.7 18.6 27.8#

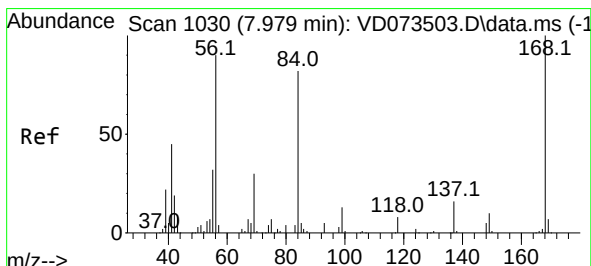
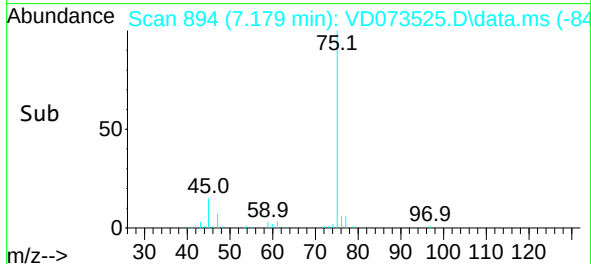
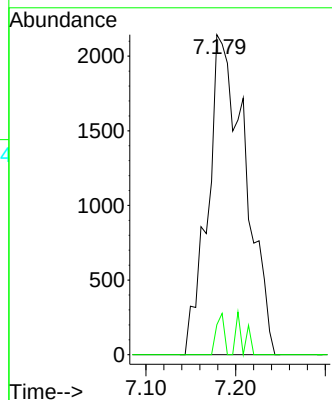
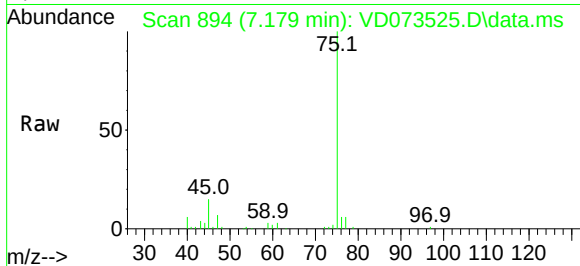




#26
2,2-Dichloropropane
Concen: 1.273 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.024 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

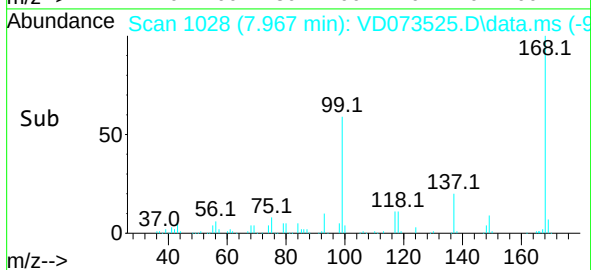
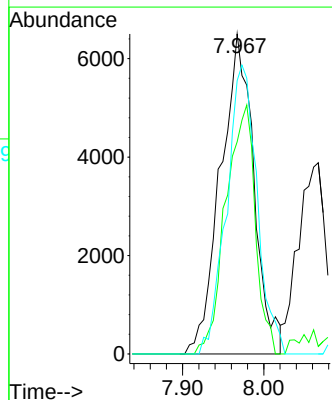
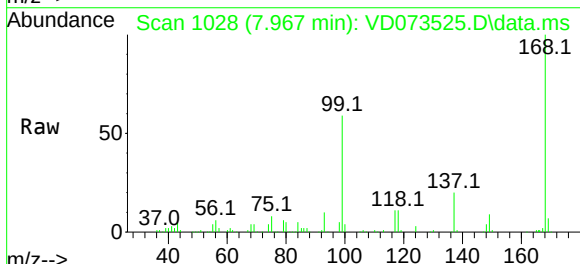
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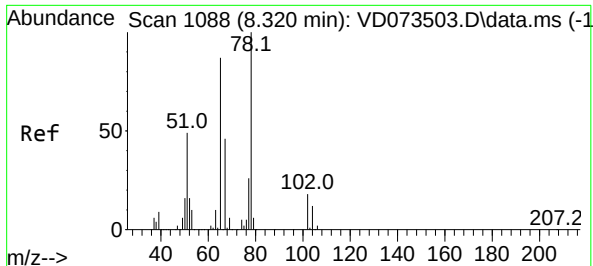
Tgt Ion: 77 Resp: 6183
Ion Ratio Lower Upper
77 100
97 2.7 10.8 32.4#



#31
Cyclohexane
Concen: 3.808 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

Tgt Ion: 56 Resp: 18555
Ion Ratio Lower Upper
56 100
69 66.3 25.4 38.2#
84 85.4 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 47.325 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VD073525.D

Acq: 10 Jun 2022 13:38

Instrument :

MSVOA_D

ClientSampleId :

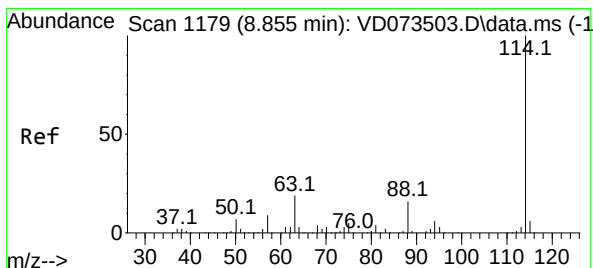
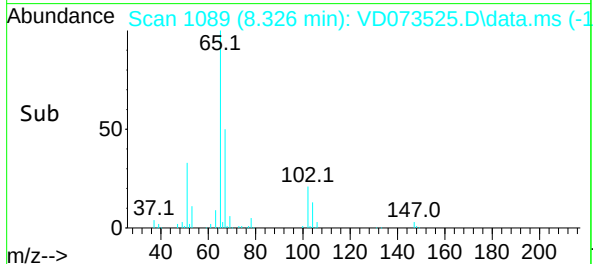
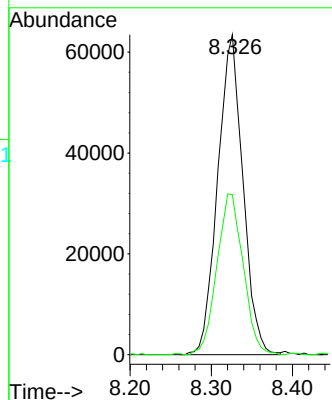
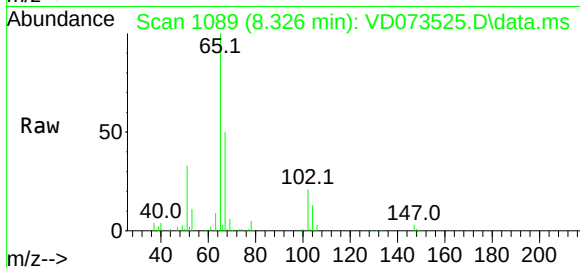
GATE-6-JET-GROUT-SPOILS

Tgt Ion: 65 Resp: 136902

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073525.D

Acq: 10 Jun 2022 13:38

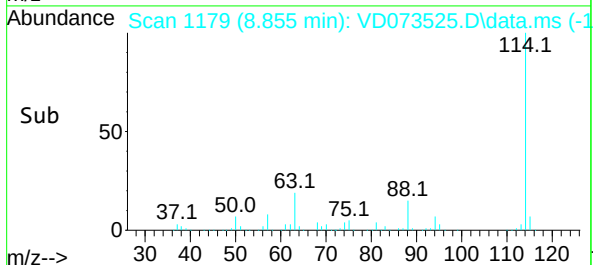
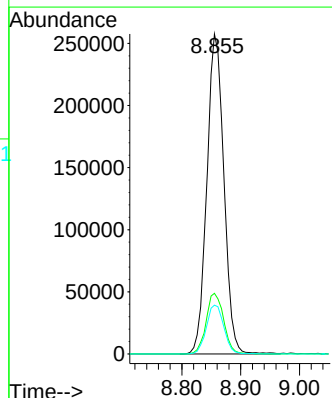
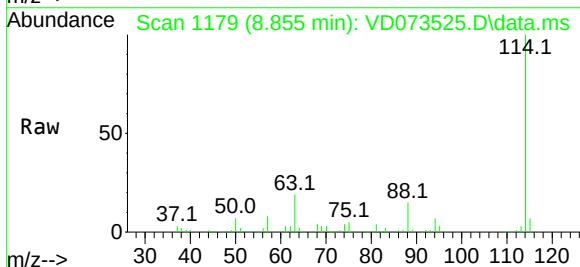
Tgt Ion: 114 Resp: 517189

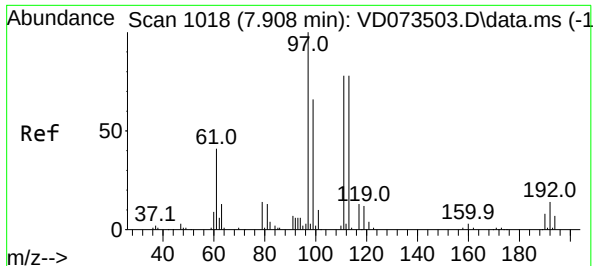
Ion Ratio Lower Upper

114 100

63 18.9 0.0 46.6

88 15.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 13.908 ug/l

RT: 7.914 min Scan# 1018

Delta R.T. 0.006 min

Lab File: VD073525.D

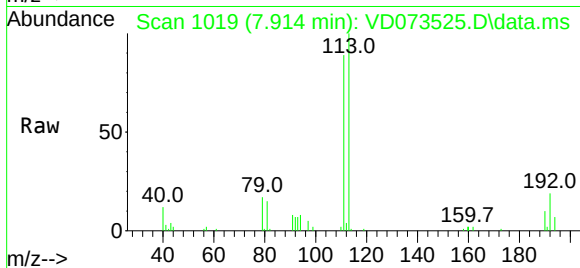
Acq: 10 Jun 2022 13:38

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GATE-6-JET-GROUT-SPOILS



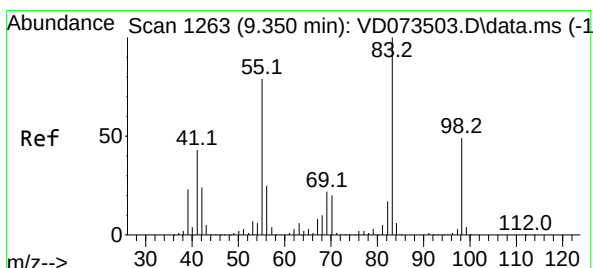
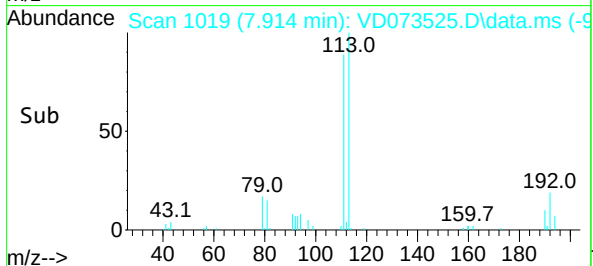
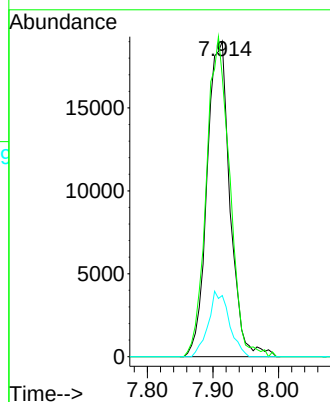
Tgt Ion:113 Resp: 46253

Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 18.9 14.6 21.8



#39

Methylcyclohexane

Concen: 8.942 ug/l

RT: 9.349 min Scan# 1263

Delta R.T. -0.001 min

Lab File: VD073525.D

Acq: 10 Jun 2022 13:38

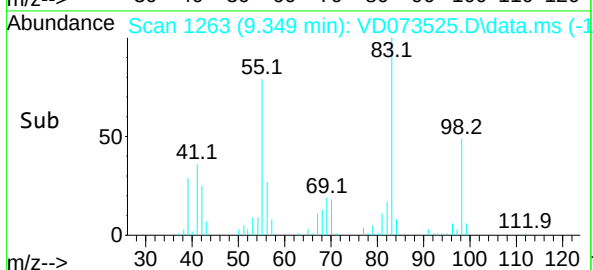
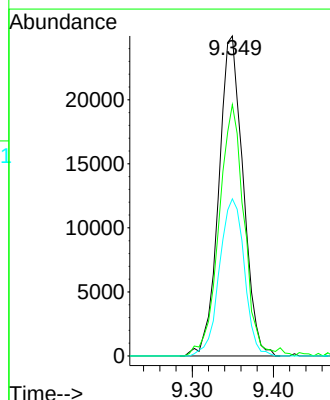
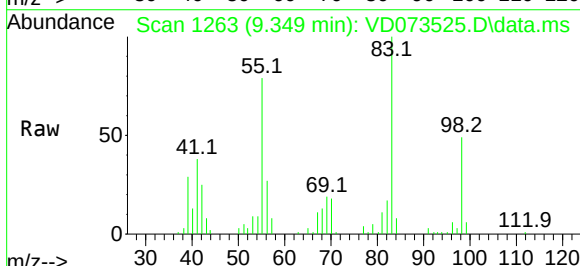
Tgt Ion: 83 Resp: 52050

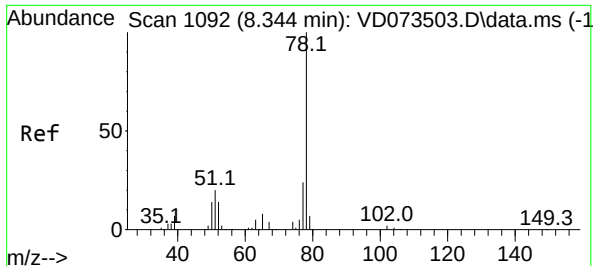
Ion Ratio Lower Upper

83 100

55 78.5 63.2 94.8

98 49.1 38.2 57.4

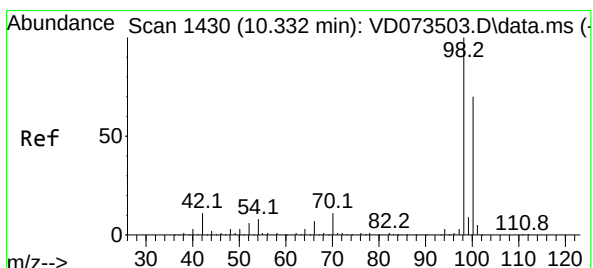
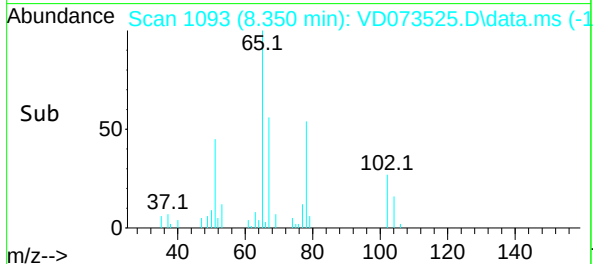
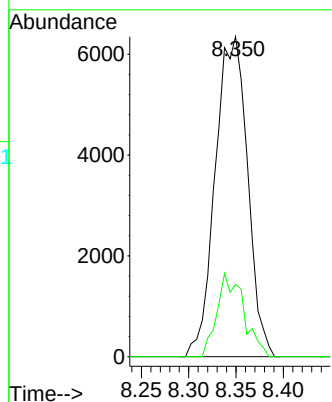
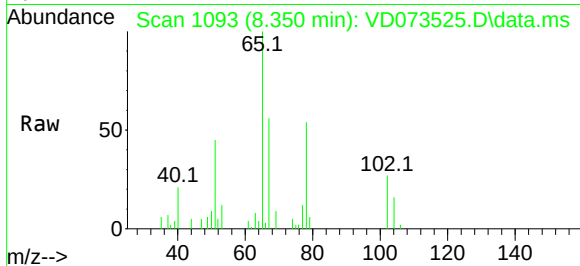




#40
Benzene
Concen: 1.036 ug/l
RT: 8.350 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

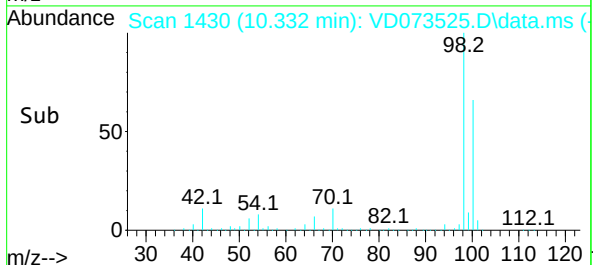
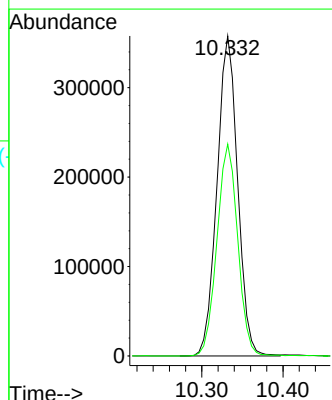
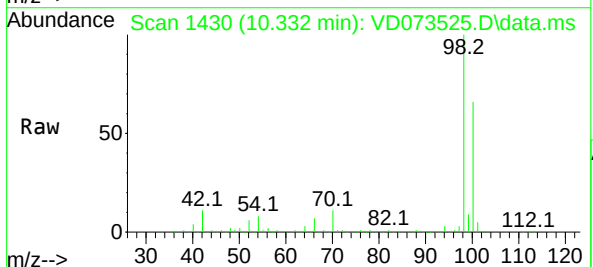
Instrument :
MSVOA_D
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

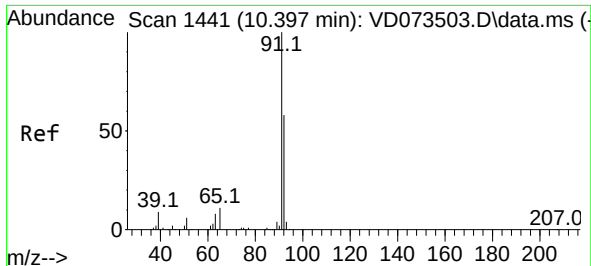
Tgt Ion: 78 Resp: 15057
Ion Ratio Lower Upper
78 100
77 22.6 19.1 28.7



#50
Toluene-d8
Concen: 50.274 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

Tgt Ion: 98 Resp: 632156
Ion Ratio Lower Upper
98 100
100 66.8 52.4 78.6

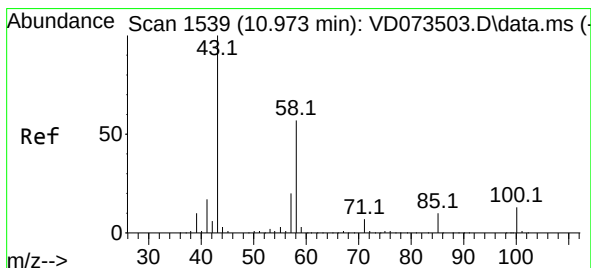
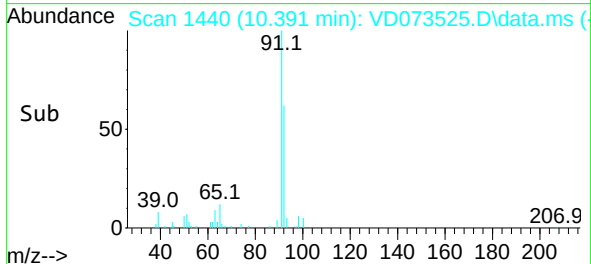
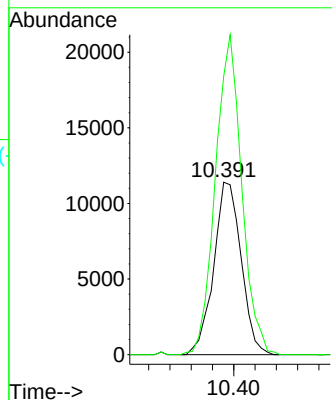
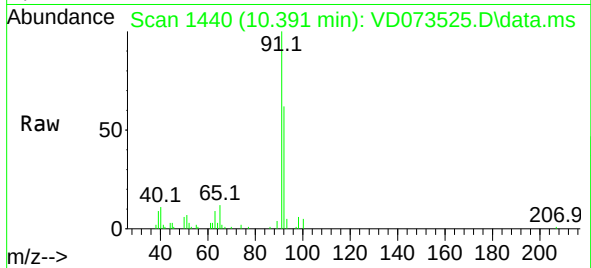




#52
Toluene
Concen: 2.187 ug/l
RT: 10.391 min Scan# 1441
Delta R.T. -0.006 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

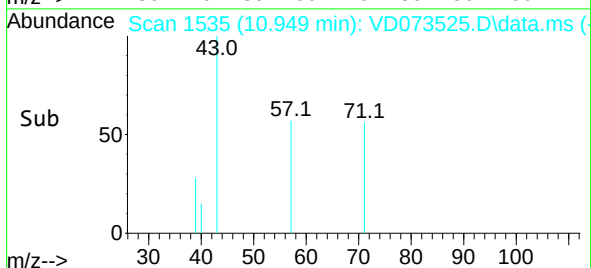
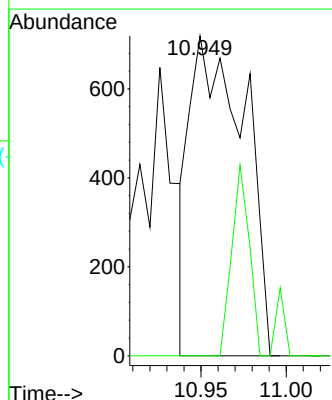
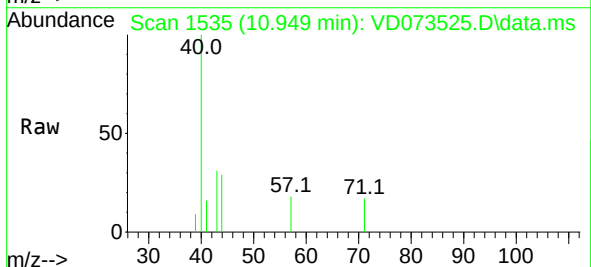
Instrument :
MSVOA_D
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

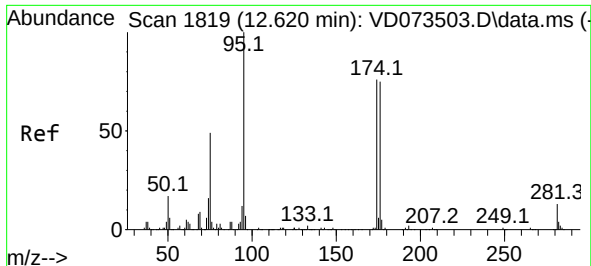
Tgt Ion: 92 Resp: 20378
Ion Ratio Lower Upper
92 100
91 178.4 139.6 209.4



#59
2-Hexanone
Concen: 1.184 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.024 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

Tgt Ion: 43 Resp: 1593
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

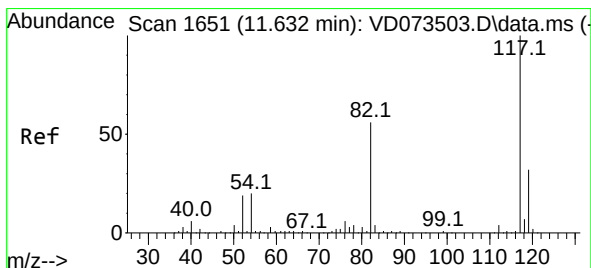
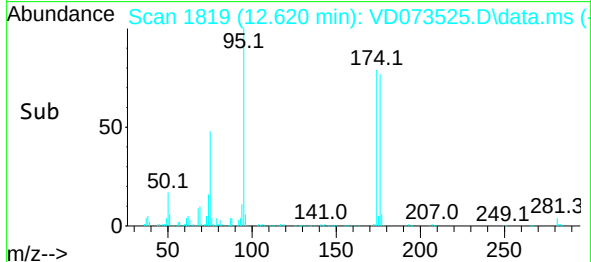
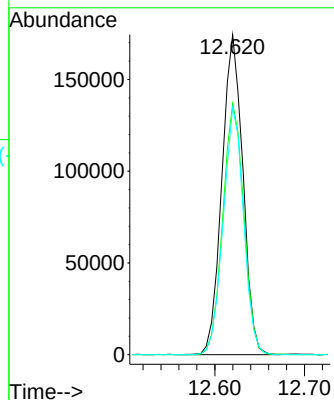
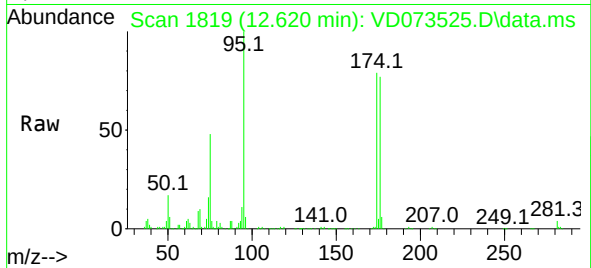




#62
4-Bromofluorobenzene
Concen: 61.803 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

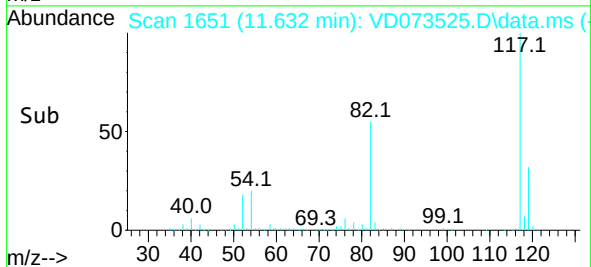
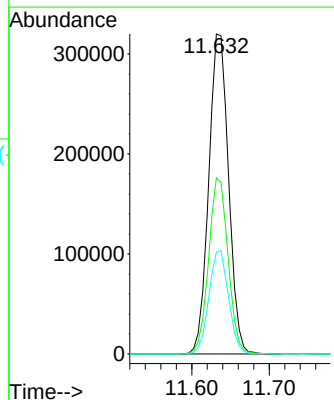
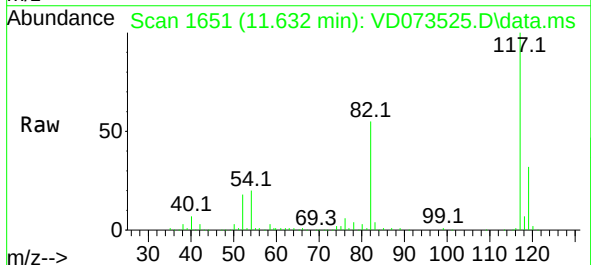
Instrument :
MSVOA_D
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

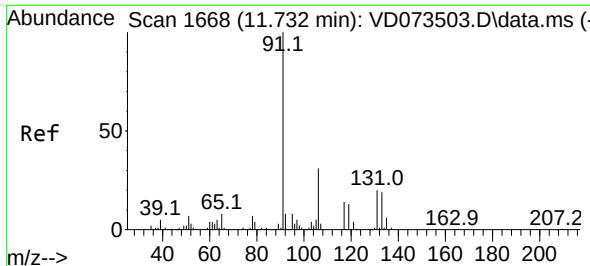
Tgt Ion: 95 Resp: 282116
Ion Ratio Lower Upper
95 100
174 79.2 0.0 152.8
176 75.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

Tgt Ion: 117 Resp: 567387
Ion Ratio Lower Upper
117 100
82 55.0 45.3 67.9
119 31.8 26.6 40.0

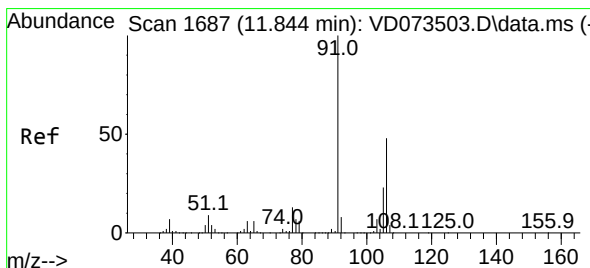
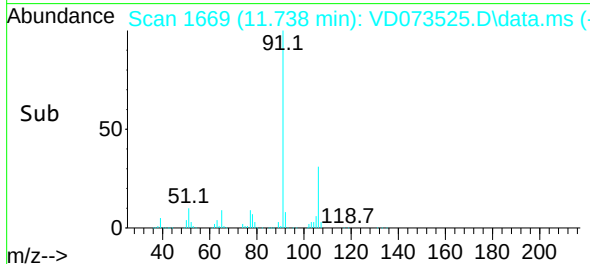
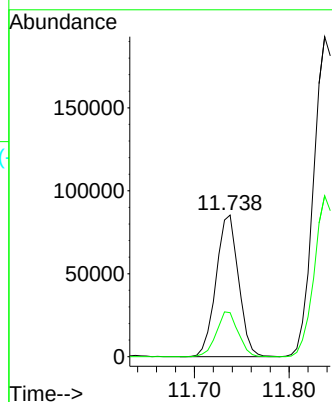
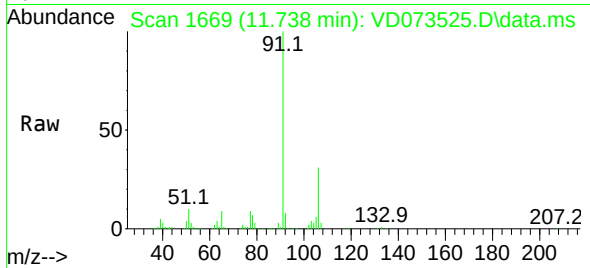




#67
Ethyl Benzene
Concen: 6.910 ug/l
RT: 11.738 min Scan# 1668
Delta R.T. 0.006 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

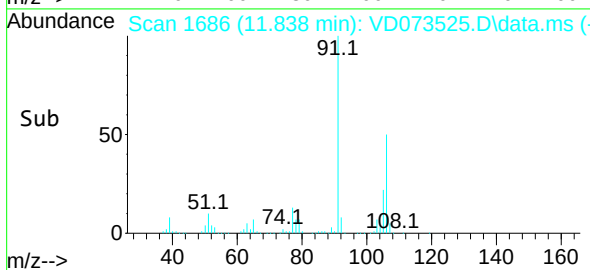
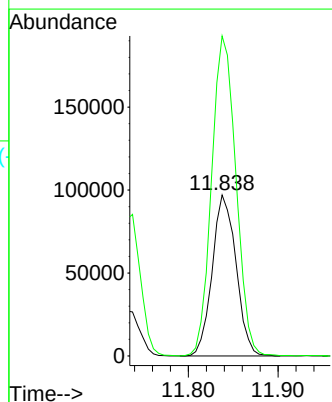
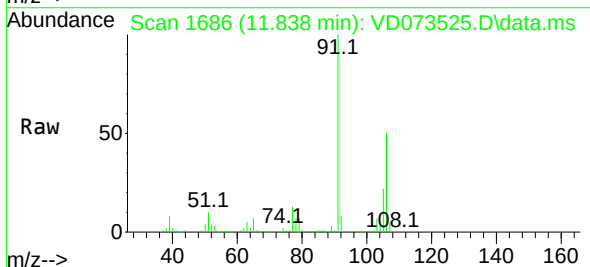
Instrument :
MSVOA_D
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

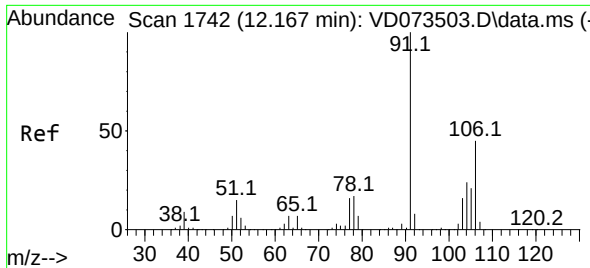
Tgt Ion: 91 Resp: 140963
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.4



#68
m/p-Xylenes
Concen: 22.330 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

Tgt Ion: 106 Resp: 178773
Ion Ratio Lower Upper
106 100
91 203.2 163.7 245.5

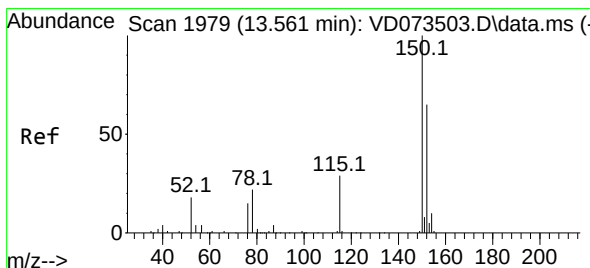
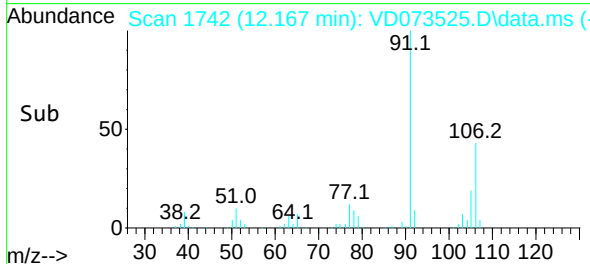
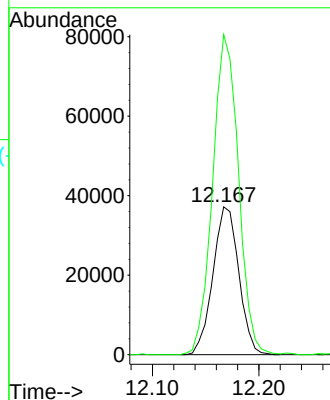
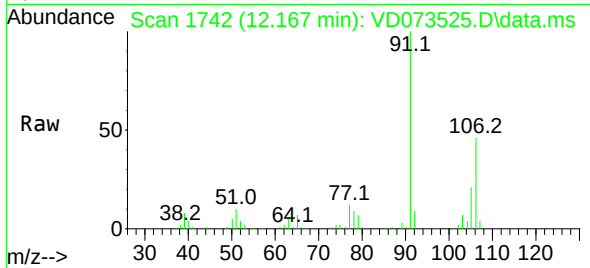




#69
o-Xylene
Concen: 8.512 ug/l
RT: 12.167 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

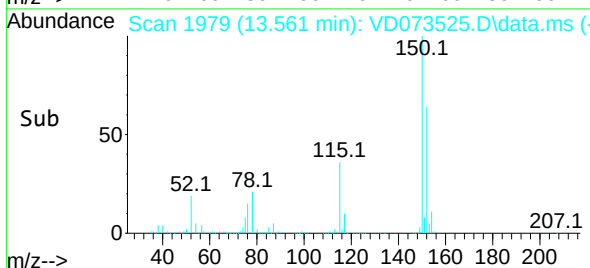
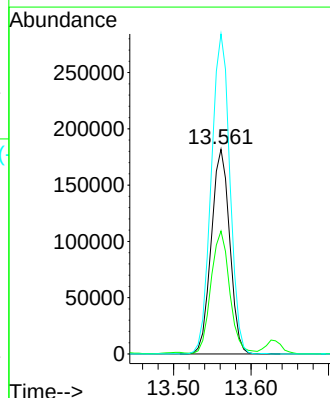
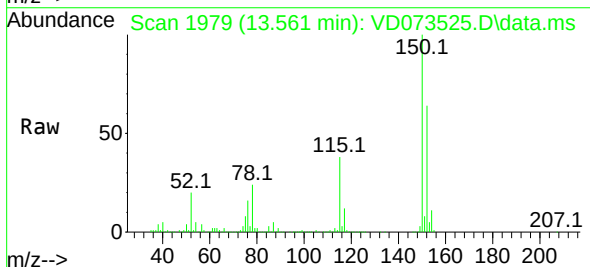
Instrument :
MSVOA_D
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

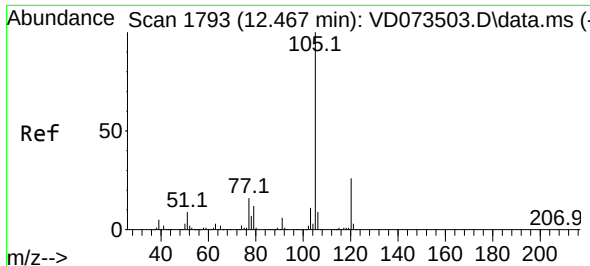
Tgt Ion:106 Resp: 62708
Ion Ratio Lower Upper
106 100
91 216.5 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

Tgt Ion:152 Resp: 299813
Ion Ratio Lower Upper
152 100
115 60.3 31.3 93.8
150 158.0 0.0 348.6

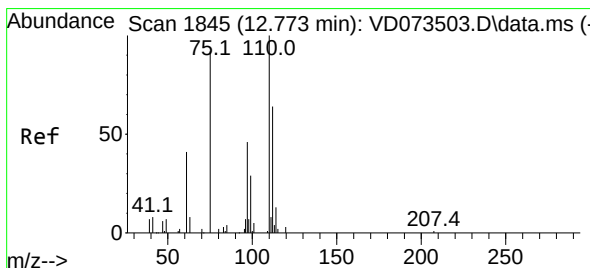
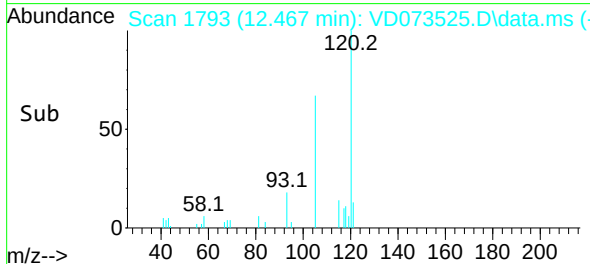
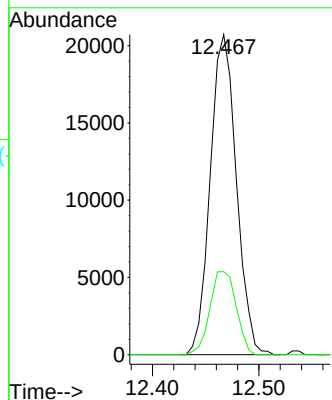
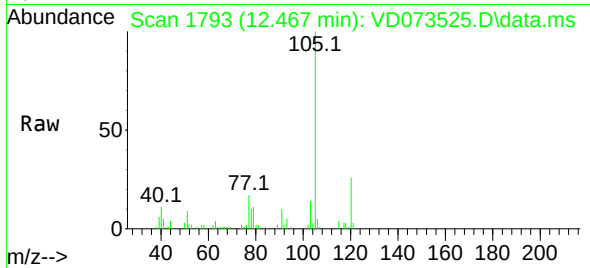




#73
Isopropylbenzene
Concen: 1.699 ug/l
RT: 12.467 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

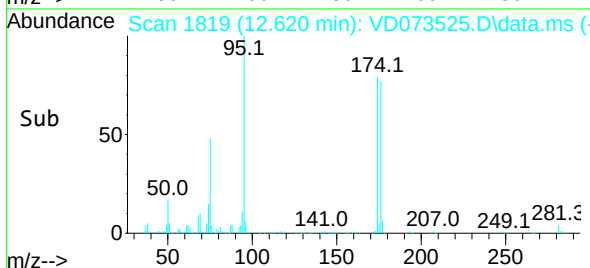
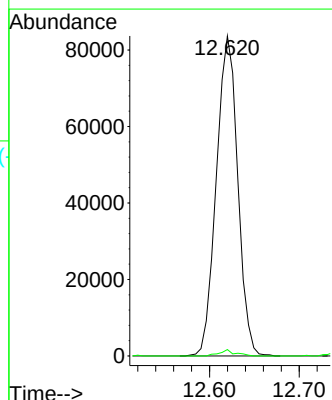
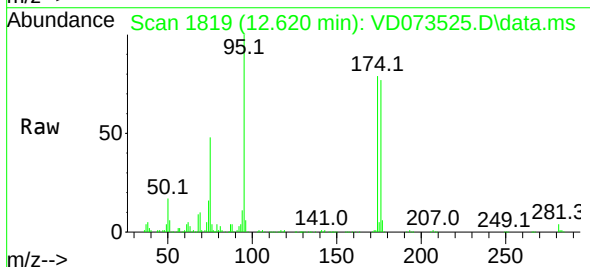
Instrument :
MSVOA_D
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

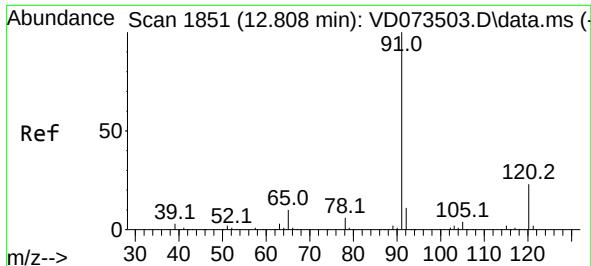
Tgt Ion:105 Resp: 35302
Ion Ratio Lower Upper
105 100
120 26.2 13.0 38.9



#76
1,2,3-Trichloropropane
Concen: 47.644 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

Tgt Ion: 75 Resp: 138767
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

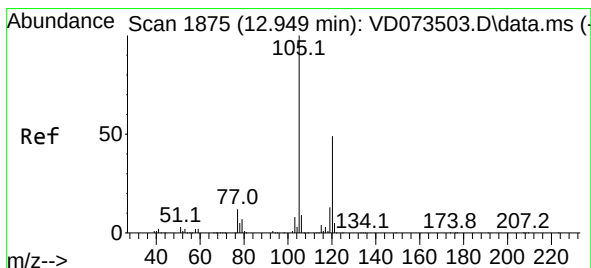
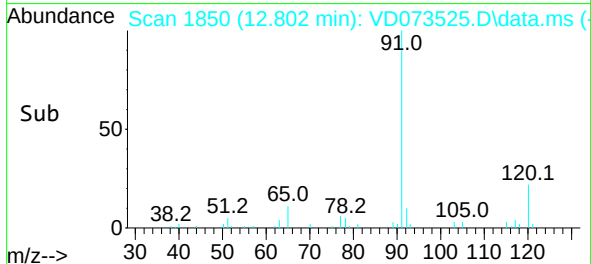
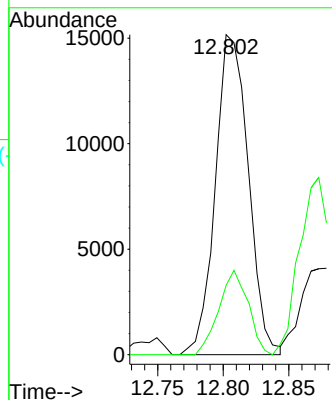
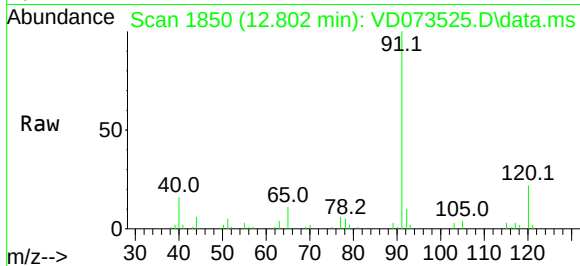




#78
n-propylbenzene
Concen: 1.026 ug/l
RT: 12.802 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

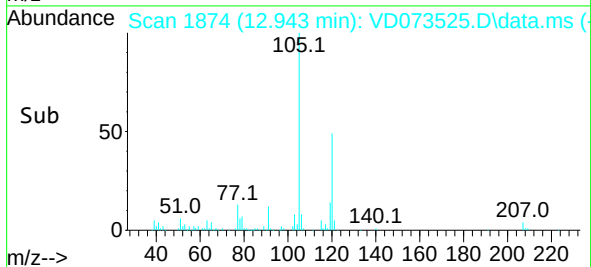
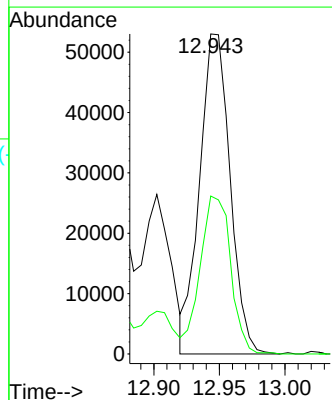
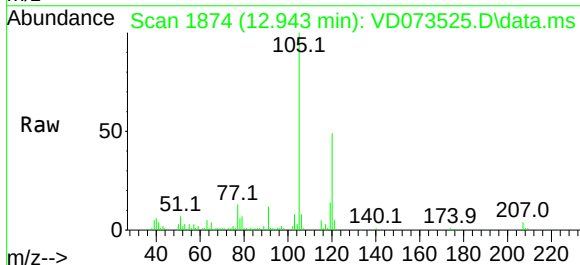
Instrument :
MSVOA_D
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

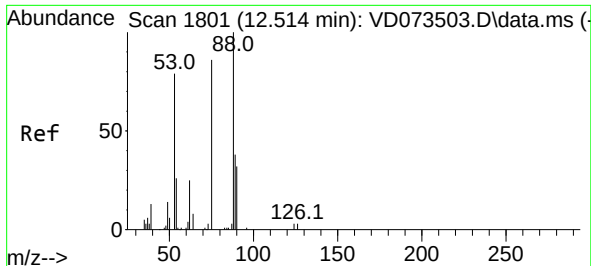
Tgt Ion: 91 Resp: 26537
Ion Ratio Lower Upper
91 100
120 23.4 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 4.792 ug/l
RT: 12.943 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

Tgt Ion: 105 Resp: 85883
Ion Ratio Lower Upper
105 100
120 49.5 24.3 72.8

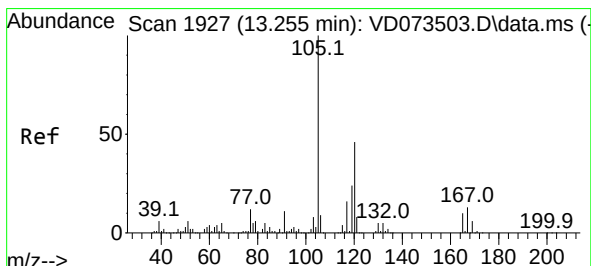
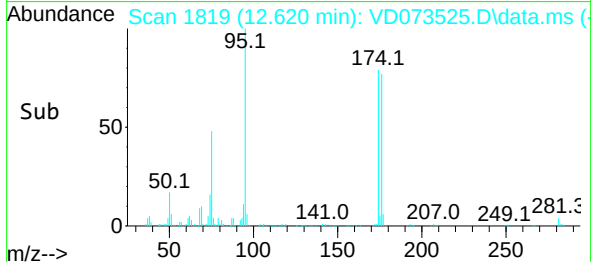
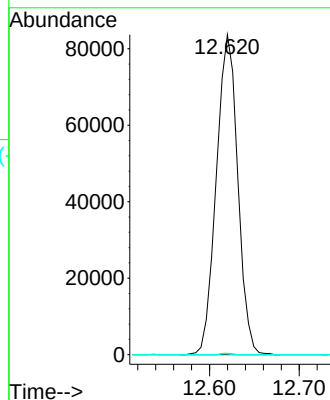
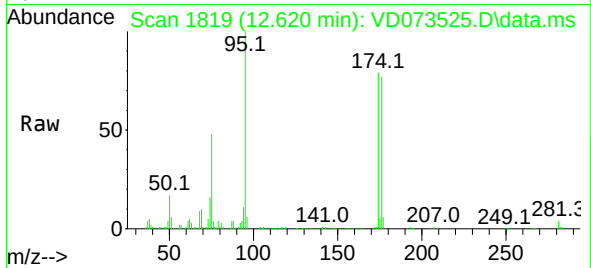




#81
trans-1,4-Dichloro-2-butene
Concen: 111.829 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

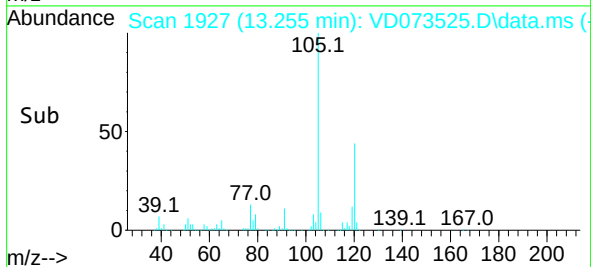
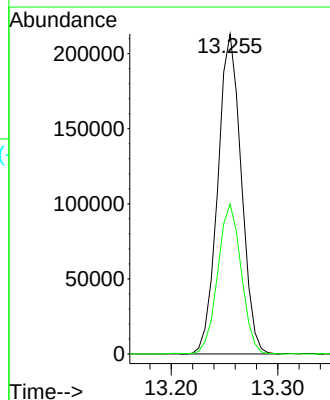
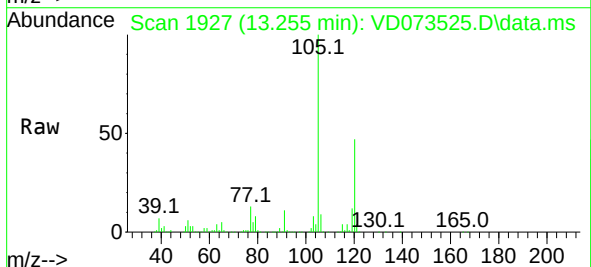
Instrument :
MSVOA_D
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

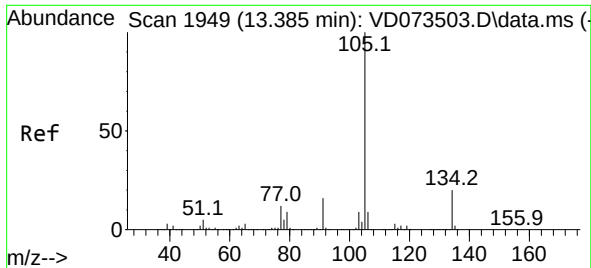
Tgt Ion: 75 Resp: 138767
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.1 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 18.203 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

Tgt Ion: 105 Resp: 325620
Ion Ratio Lower Upper
105 100
120 46.8 22.3 66.8

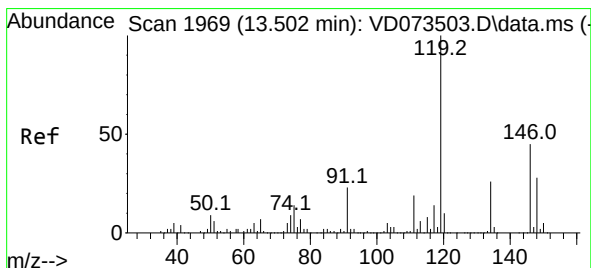
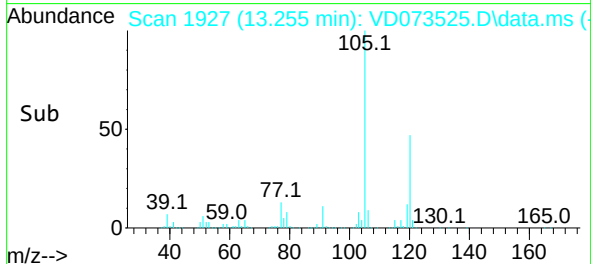
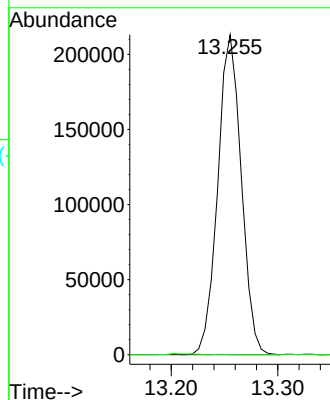
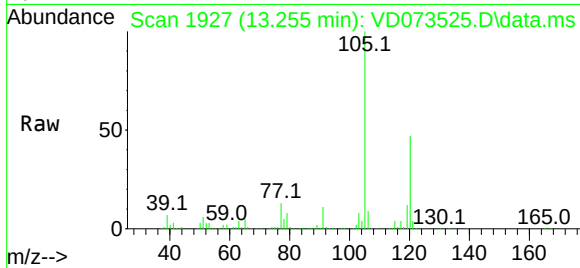




#85
 sec-Butylbenzene
 Concen: 14.349 ug/l
 RT: 13.255 min Scan# 1927
 Delta R.T. -0.130 min
 Lab File: VD073525.D
 Acq: 10 Jun 2022 13:38

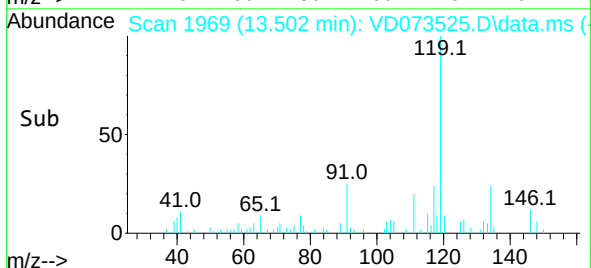
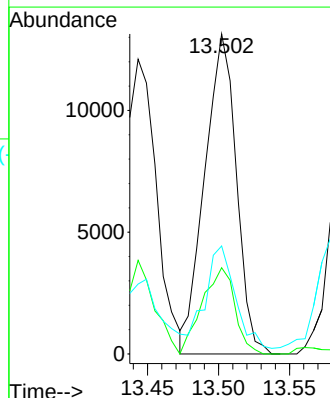
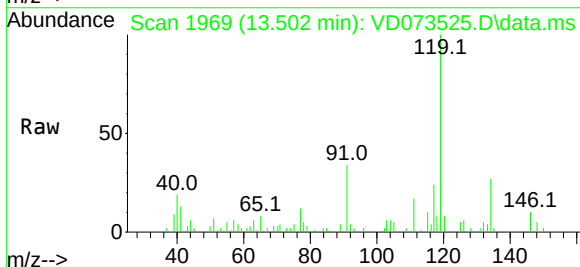
Instrument : MSVOA_D
 ClientSampleId : GATE-6-JET-GROUT-SPOILS

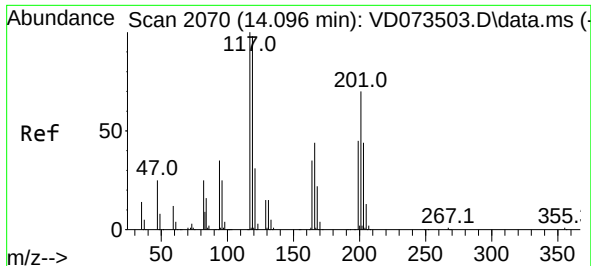
Tgt Ion:105 Resp: 325620
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: 1.075 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD073525.D
 Acq: 10 Jun 2022 13:38

Tgt Ion:119 Resp: 20327
 Ion Ratio Lower Upper
 119 100
 134 27.8 12.9 38.6
 91 29.6 12.1 36.3

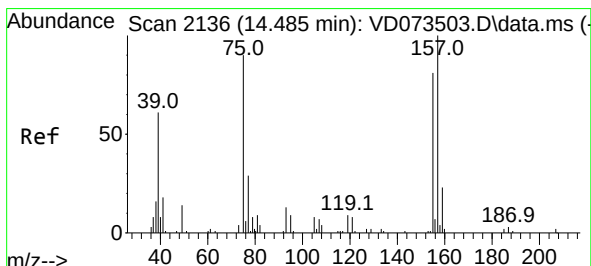
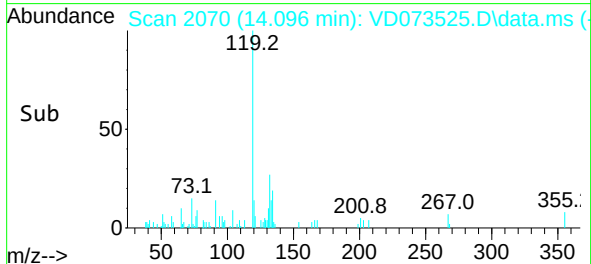
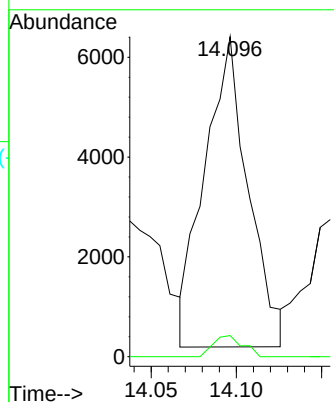
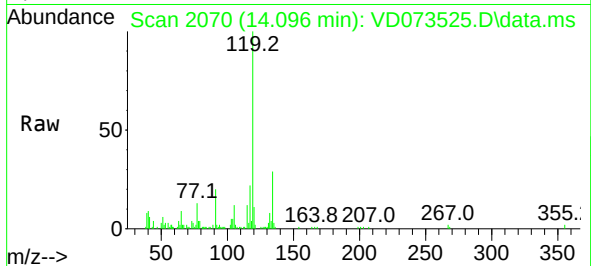




#90
Hexachloroethane
Concen: 2.821 ug/l
RT: 14.096 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

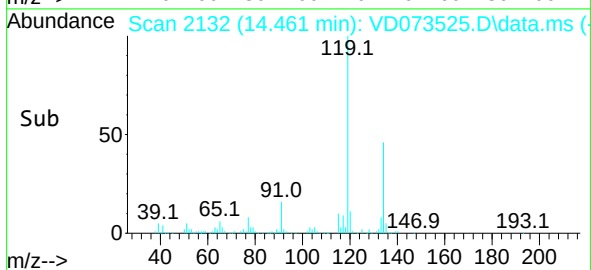
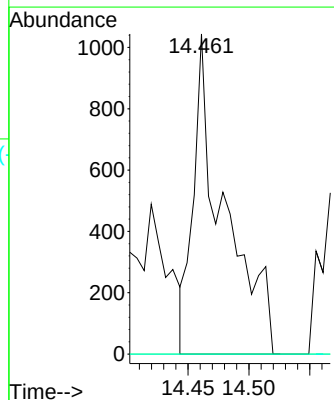
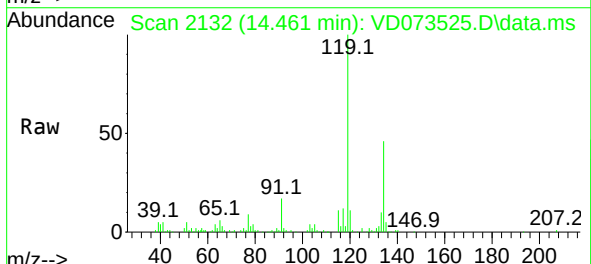
Instrument :
MSVOA_D
ClientSampleId :
GATE-6-JET-GROUT-SPOILS

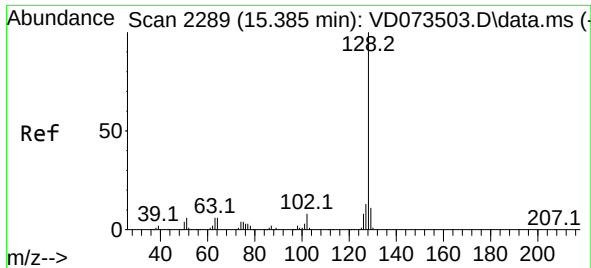
Tgt Ion:117 Resp: 11051
Ion Ratio Lower Upper
117 100
201 4.6 33.4 100.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.893 ug/l
RT: 14.461 min Scan# 2132
Delta R.T. -0.024 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

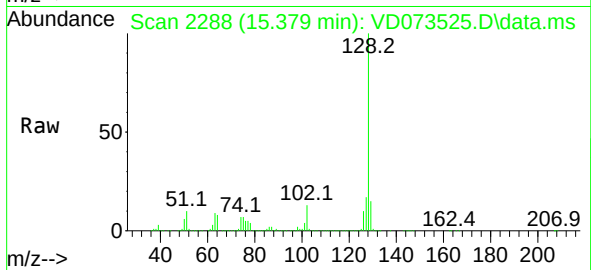
Tgt Ion: 75 Resp: 1823
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#





#95
Naphthalene
Concen: 1554.967 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073525.D
Acq: 10 Jun 2022 13:38

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



Tgt Ion:128 Resp:18335081
Ion Ratio Lower Upper
128 100
127 15.4 10.3 15.5
129 13.3 8.4 12.6#

