

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
 Data File : VY012218.D
 Acq On : 17 Jan 2023 12:39
 Operator : KP/MD
 Sample : 01144-01
 Misc : 2.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WASTE-ELIZABETH

Quant Time: Jan 18 00:31:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	185464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	297961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	234478	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.416	152	350172	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	94847	62.696	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.400%	
35) Dibromofluoromethane	7.722	113	85889	54.439	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.880%	
50) Toluene-d8	10.185	98	1164455	228.480	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 456.960%#	
62) 4-Bromofluorobenzene	12.489	95	849734	382.061	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 764.120%#	

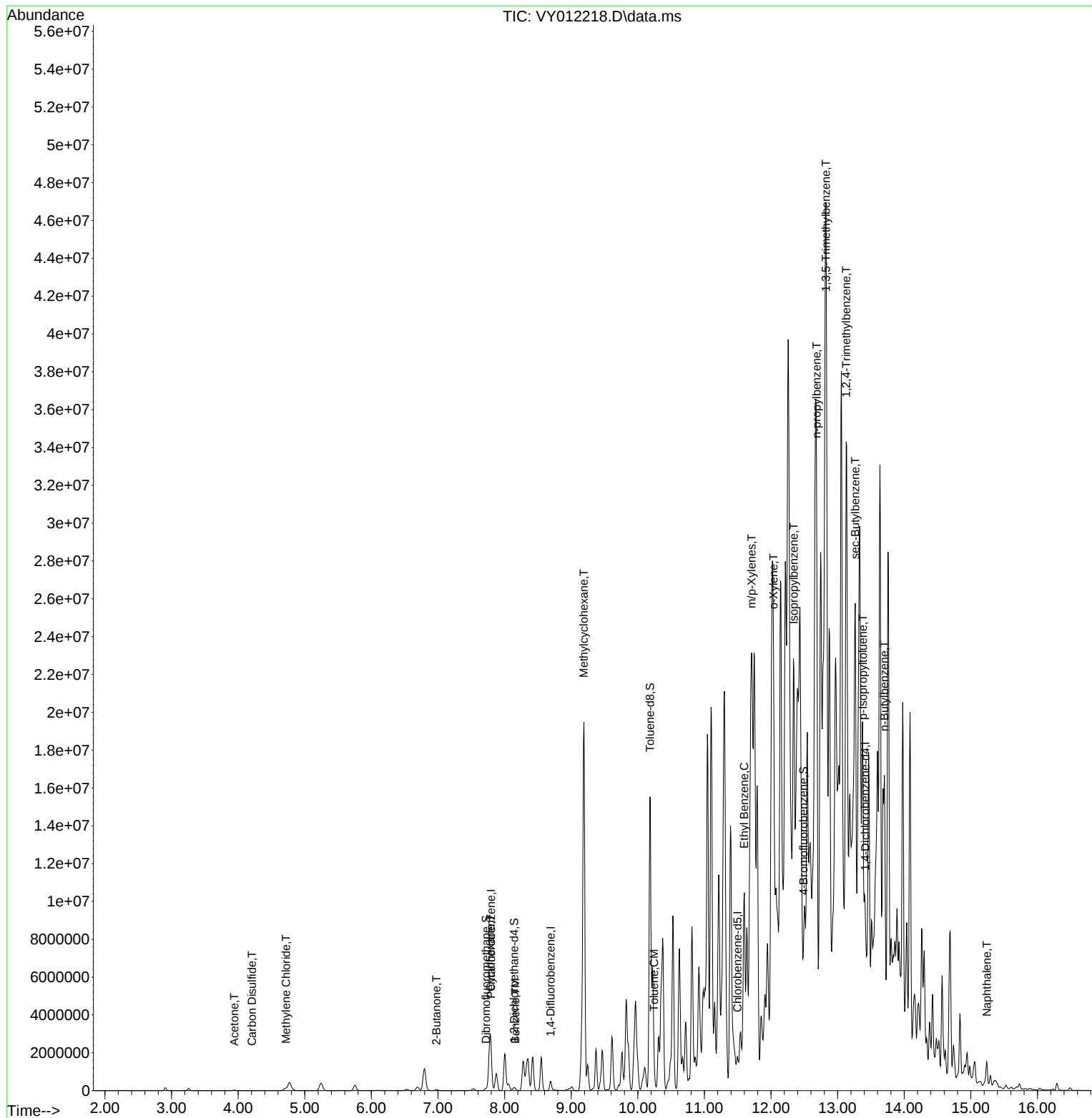
Target Compounds						Qvalue
16) Acetone	3.942	43	22461	43.492	ug/l	# 65
17) Carbon Disulfide	4.204	76	5288	1.004	ug/l	# 95
20) Methylene Chloride	4.716	84	29063	6.537	ug/l	# 80
25) 2-Butanone	6.978	43	12724	22.317	ug/l	# 57
31) Cyclohexane	7.789	56	1453549	537.539	ug/l	92
39) Methylcyclohexane	9.191	83	8603217	2625.549	ug/l	96
40) Benzene	8.161	78	76546	9.891	ug/l	100
52) Toluene	10.246	92	317952	61.705	ug/l	99
67) Ethyl Benzene	11.599	91	4474905	521.908	ug/l	98
68) m/p-Xylenes	11.709	106	4505028	1328.883	ug/l	98
69) o-Xylene	12.038	106	1881251	580.984	ug/l	95
73) Isopropylbenzene	12.343	105	7613685	301.525	ug/l	97
78) n-propylbenzene	12.684	91	16671312	564.216	ug/l	84
80) 1,3,5-Trimethylbenzene	12.825	105	3868484	176.235	ug/l	92
84) 1,2,4-Trimethylbenzene	13.129	105	13381635	618.163	ug/l	91
85) sec-Butylbenzene	13.264	105	8494364	311.850	ug/l	# 77
86) p-Isopropyltoluene	13.379	119	2249543	94.524	ug/l	95
89) n-Butylbenzene	13.703	91	5785423	280.520	ug/l	# 76
95) Naphthalene	15.239	128	1116412	81.867	ug/l	100

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

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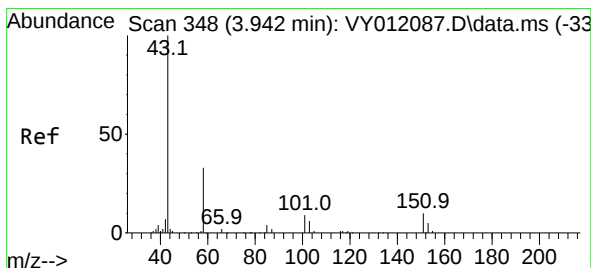
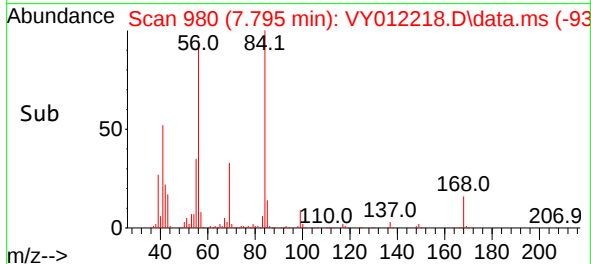
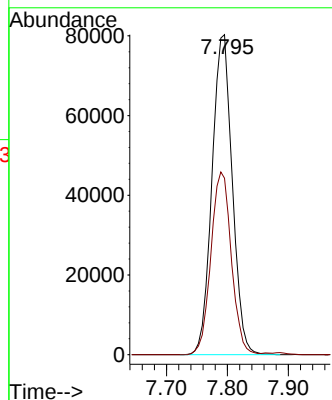
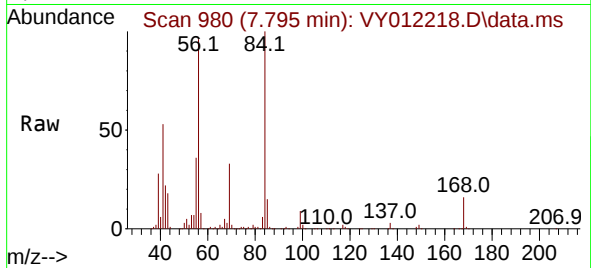




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

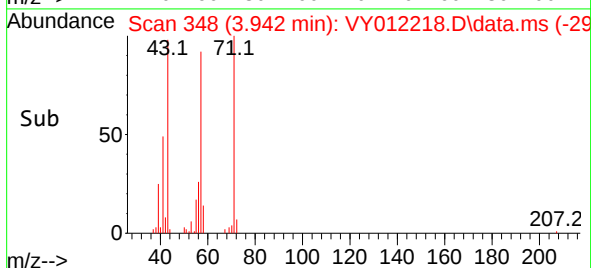
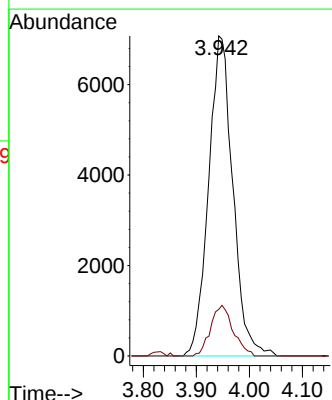
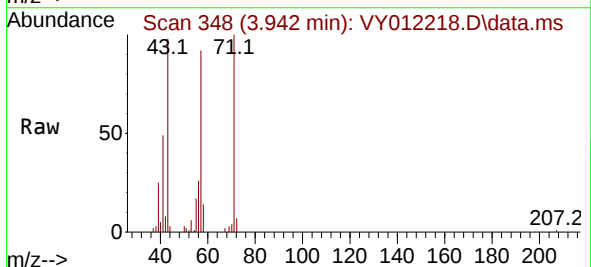
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-ELIZABETH

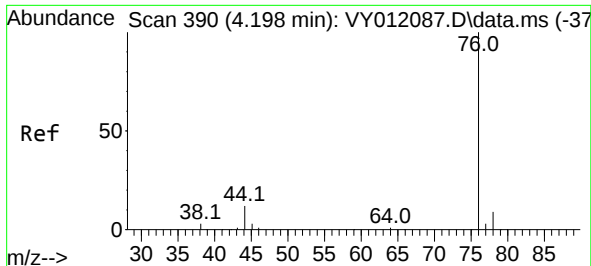
Tgt Ion:168 Resp: 185464
Ion Ratio Lower Upper
168 100
99 55.1 44.0 66.0



#16
Acetone
Concen: 43.492 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

Tgt Ion: 43 Resp: 22461
Ion Ratio Lower Upper
43 100
58 14.5 27.9 41.9#





#17

Carbon Disulfide

Concen: 1.004 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY012218.D

Acq: 17 Jan 2023 12:39

Instrument :

MSVOA_Y

ClientSampleId :

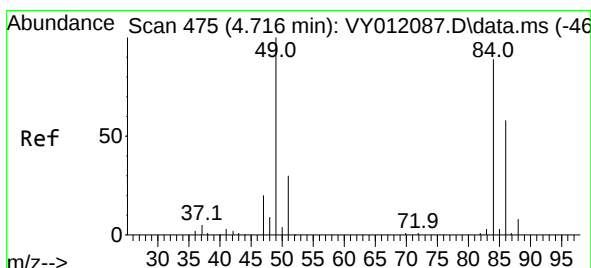
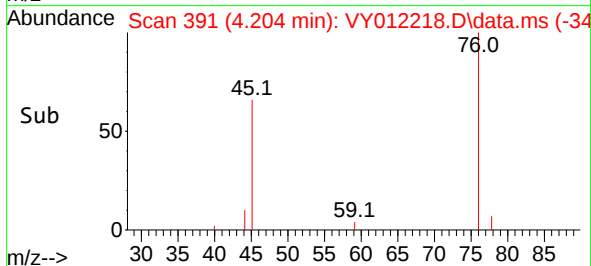
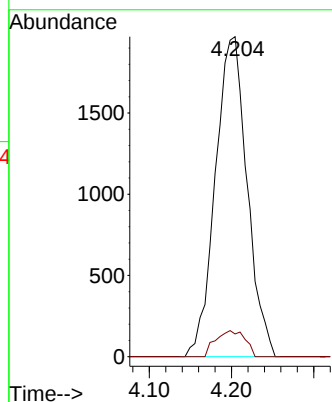
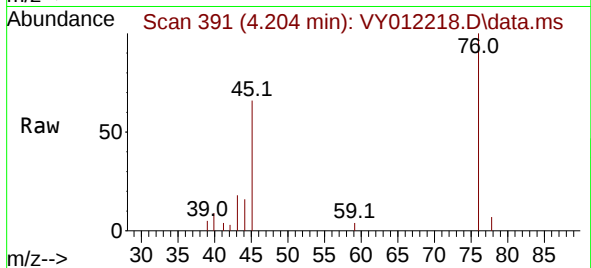
WASTE-ELIZABETH

Tgt Ion: 76 Resp: 5288

Ion Ratio Lower Upper

76 100

78 7.1 7.2 10.8#



#20

Methylene Chloride

Concen: 6.537 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012218.D

Acq: 17 Jan 2023 12:39

Tgt Ion: 84 Resp: 29063

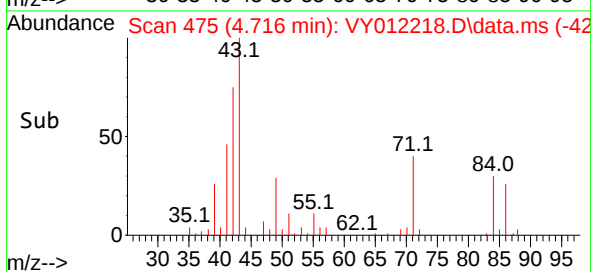
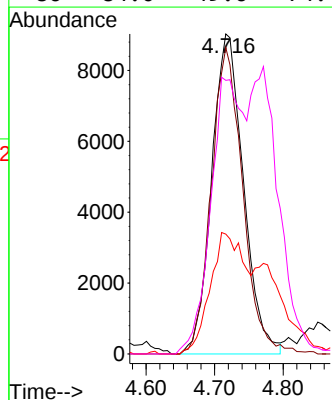
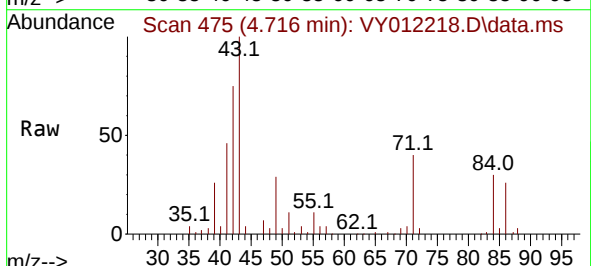
Ion Ratio Lower Upper

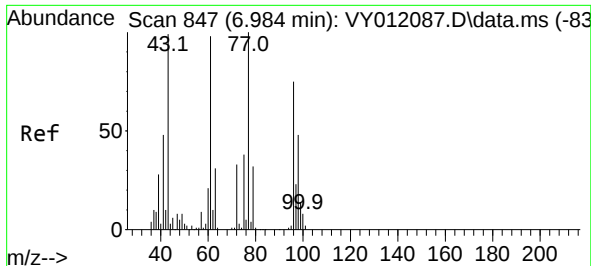
84 100

49 95.7 95.4 143.2

51 37.5 29.9 44.9

86 84.0 49.6 74.4#

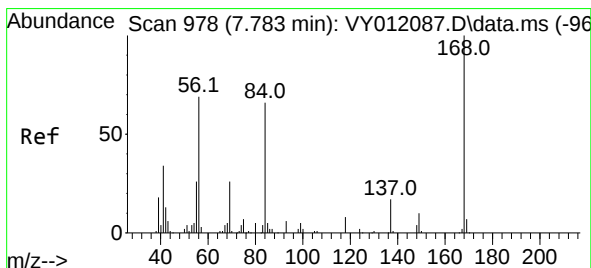
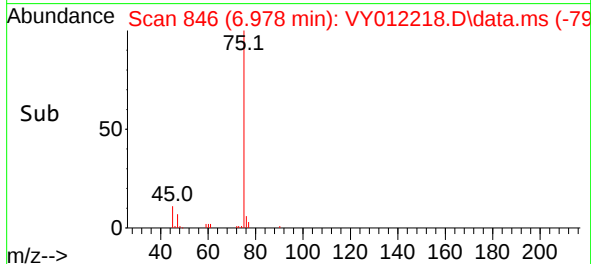
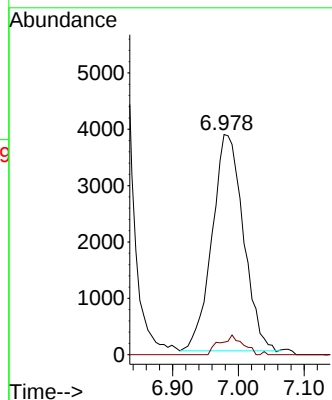
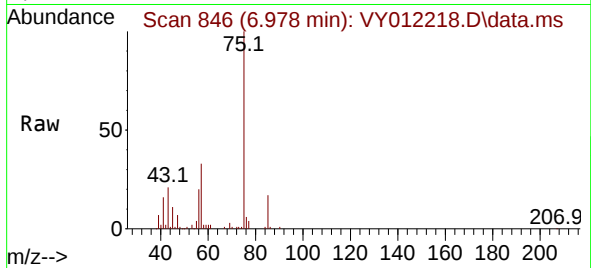




#25
2-Butanone
Concen: 22.317 ug/l
RT: 6.978 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

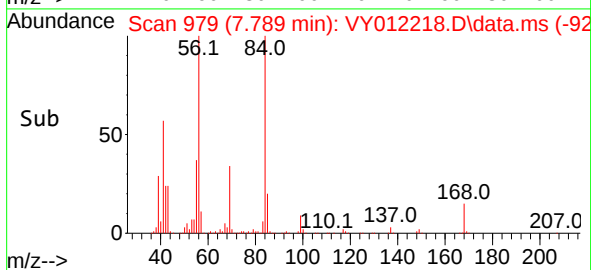
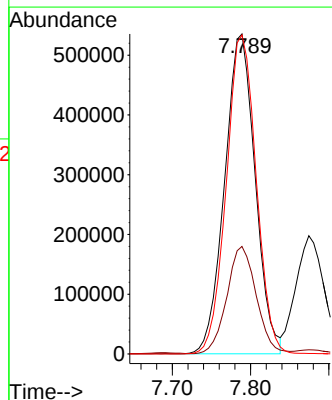
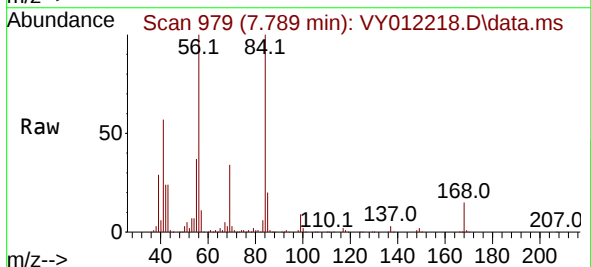
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-ELIZABETH

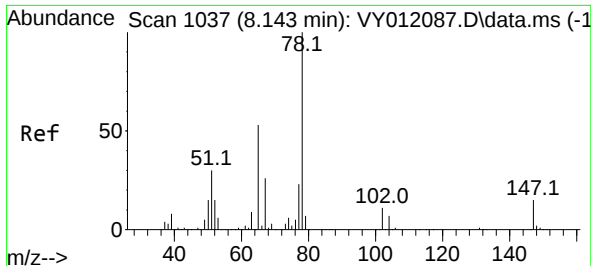
Tgt Ion: 43 Resp: 12724
Ion Ratio Lower Upper
43 100
72 5.8 22.6 34.0#



#31
Cyclohexane
Concen: 537.539 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

Tgt Ion: 56 Resp: 1453549
Ion Ratio Lower Upper
56 100
69 33.4 29.2 43.8
84 99.7 72.6 108.8

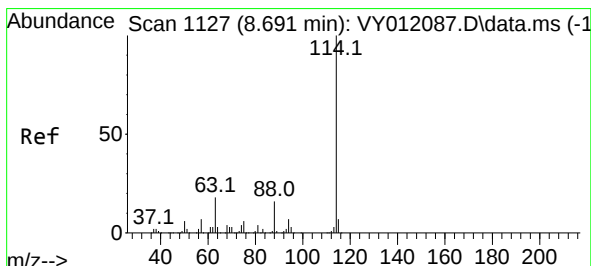
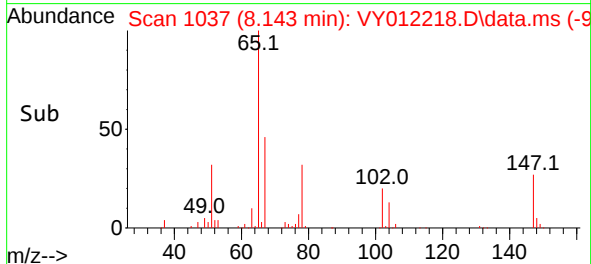
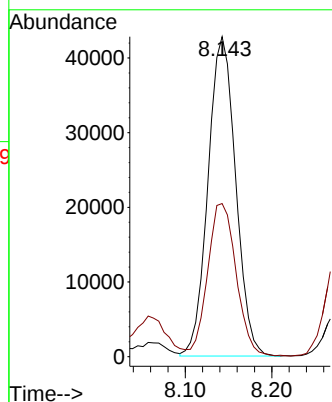
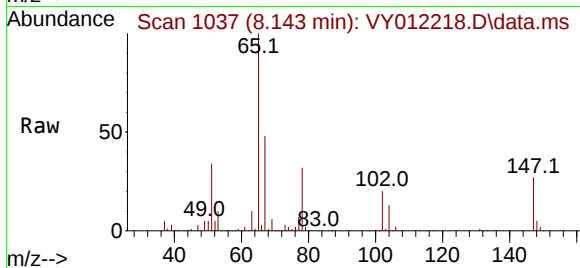




#33
1,2-Dichloroethane-d4
Concen: 62.696 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

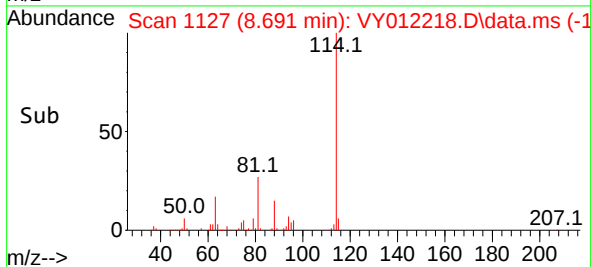
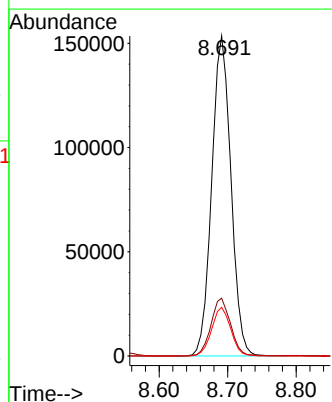
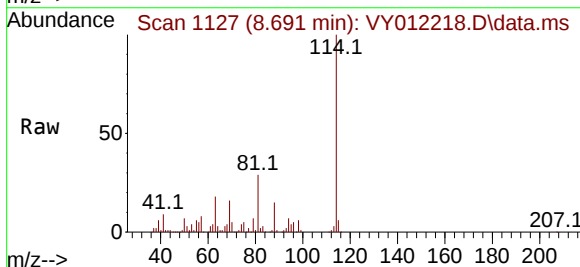
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-ELIZABETH

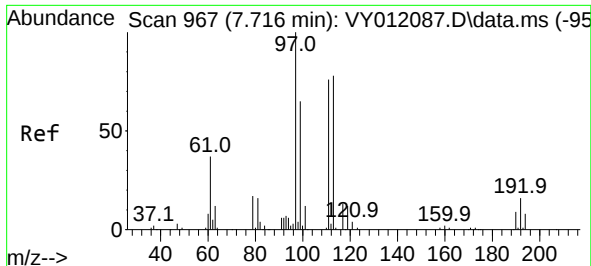
Tgt Ion: 65 Resp: 94847
Ion Ratio Lower Upper
65 100
67 49.3 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

Tgt Ion: 114 Resp: 297961
Ion Ratio Lower Upper
114 100
63 18.1 0.0 39.6
88 15.2 0.0 32.2

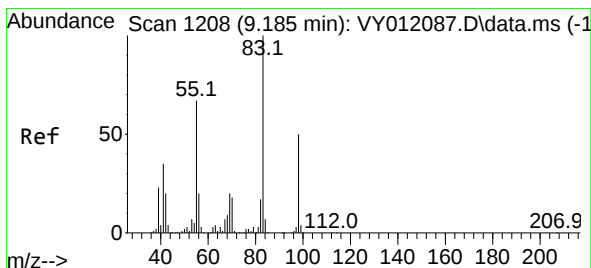
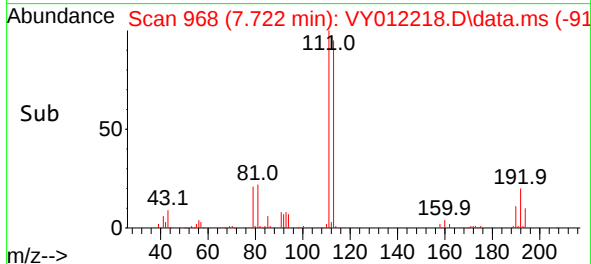
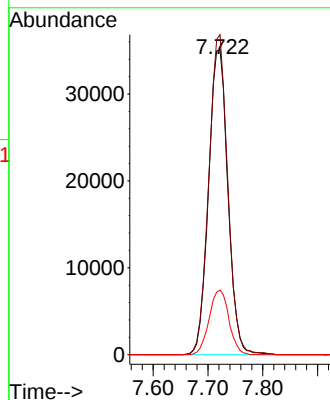
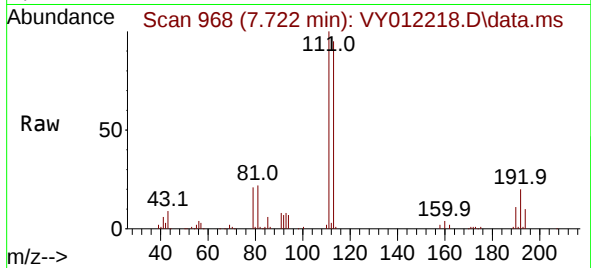




#35
Dibromofluoromethane
Concen: 54.439 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

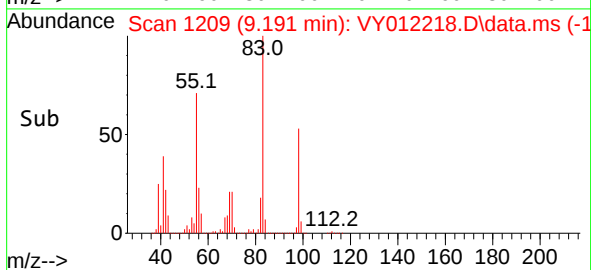
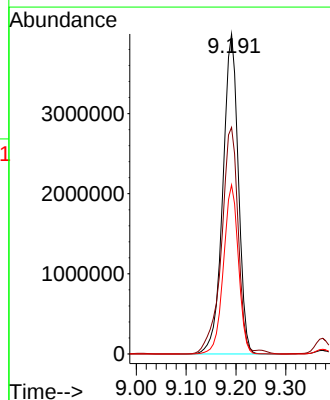
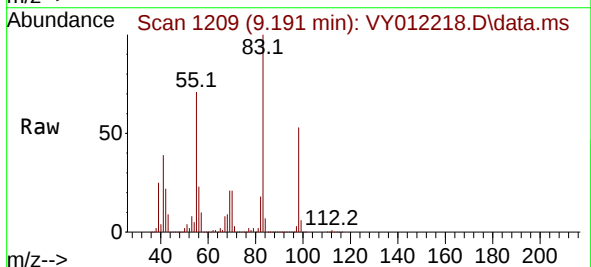
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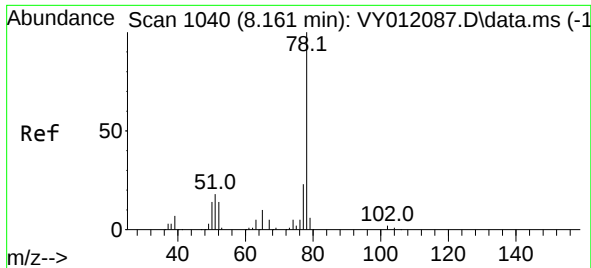
Tgt Ion:113 Resp: 85889
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.4
192 21.6 16.0 24.0



#39
Methylcyclohexane
Concen: 2625.549 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.006 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

Tgt Ion: 83 Resp: 8603217
Ion Ratio Lower Upper
83 100
55 70.8 58.2 87.2
98 52.8 38.6 58.0

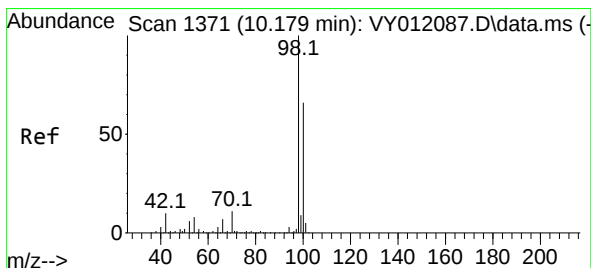
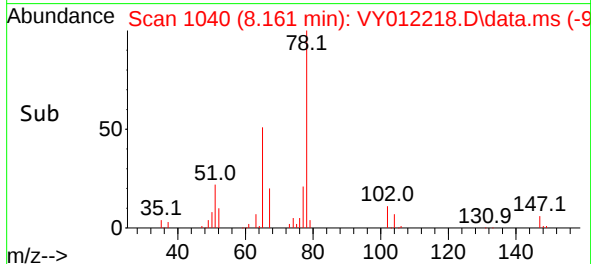
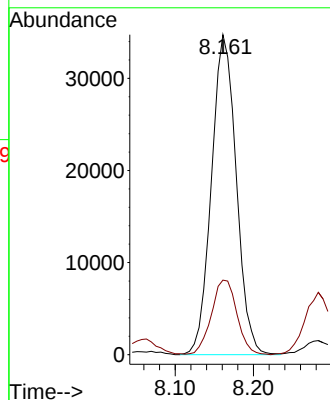
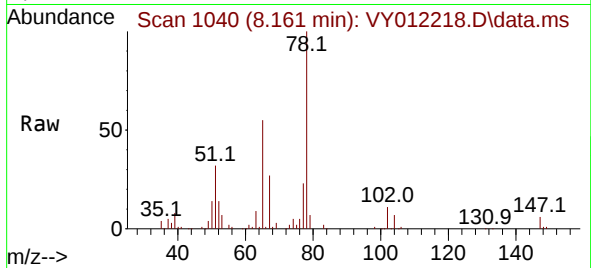




#40
Benzene
Concen: 9.891 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

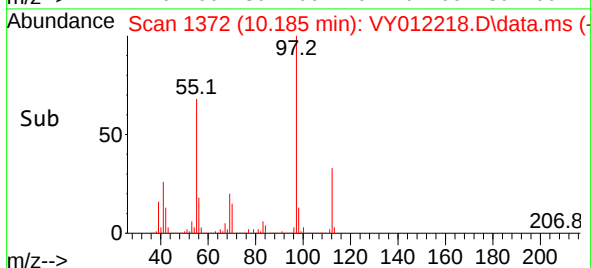
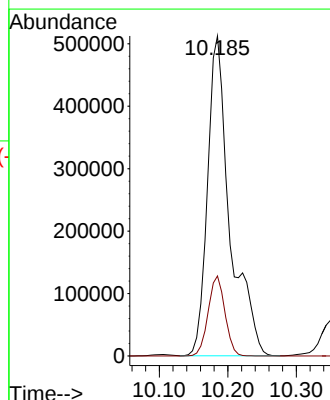
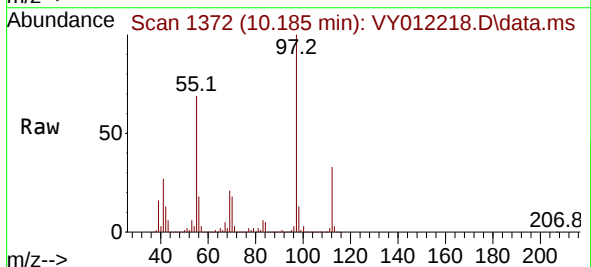
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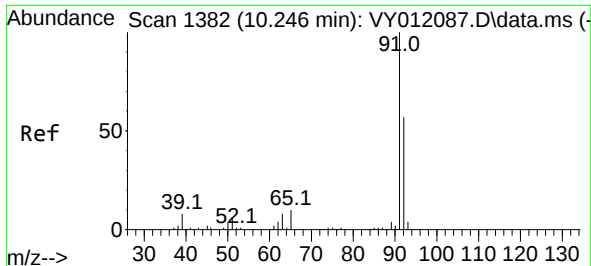
Tgt Ion: 78 Resp: 76546
Ion Ratio Lower Upper
78 100
77 23.0 18.6 27.8



#50
Toluene-d8
Concen: 228.480 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

Tgt Ion: 98 Resp: 1164455
Ion Ratio Lower Upper
98 100
100 18.7 51.9 77.9#

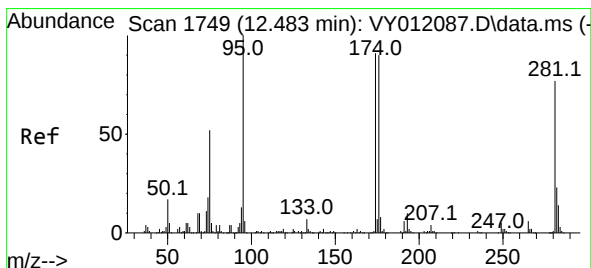
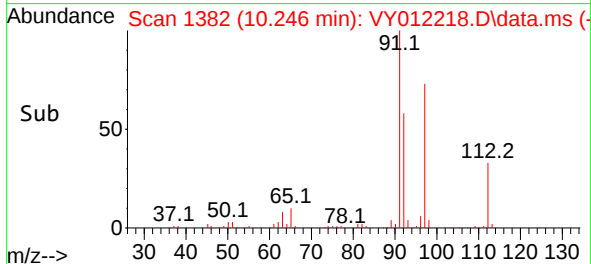
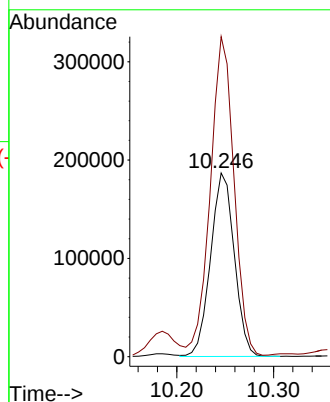
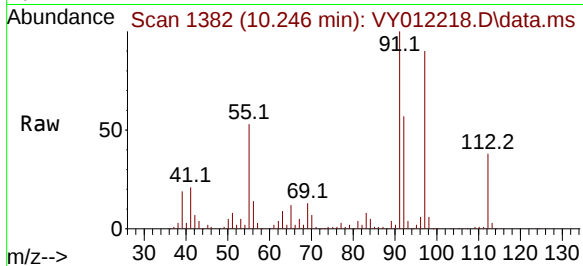




#52
Toluene
Concen: 61.705 ug/l
RT: 10.246 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

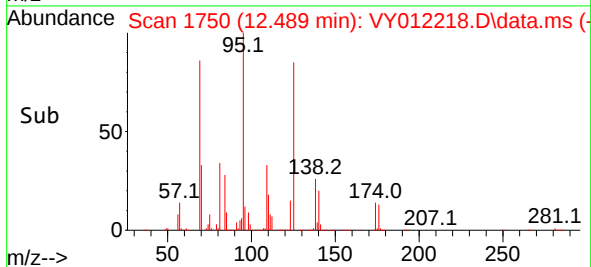
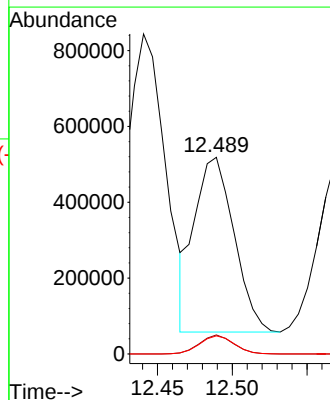
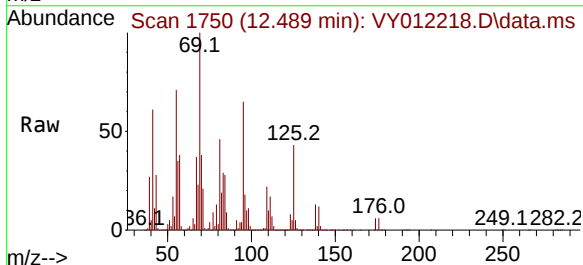
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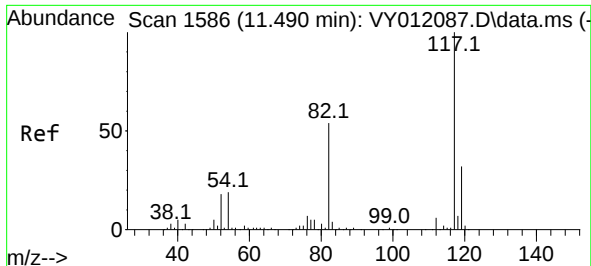
Tgt Ion: 92 Resp: 317952
Ion Ratio Lower Upper
92 100
91 173.3 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 382.061 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

Tgt Ion: 95 Resp: 849734
Ion Ratio Lower Upper
95 100
174 9.2 0.0 172.0
176 9.0 0.0 167.6

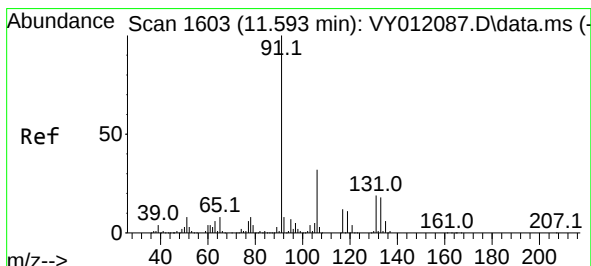
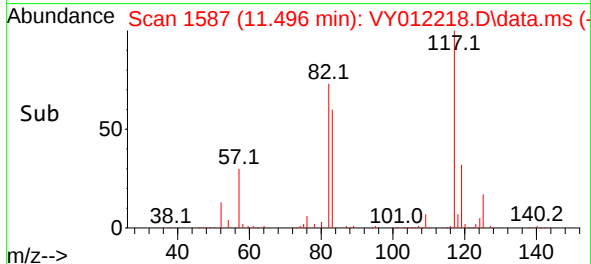
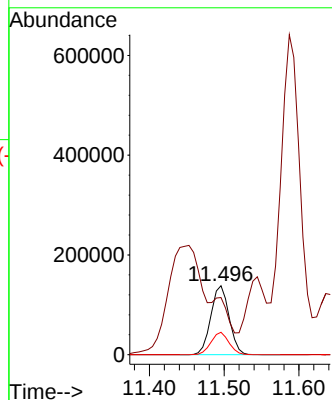
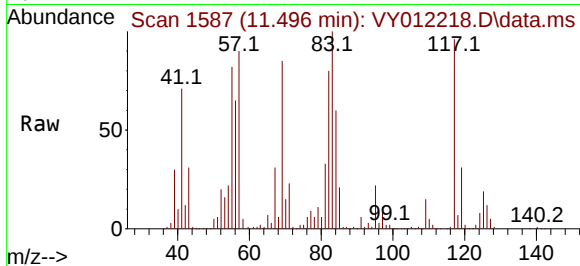




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

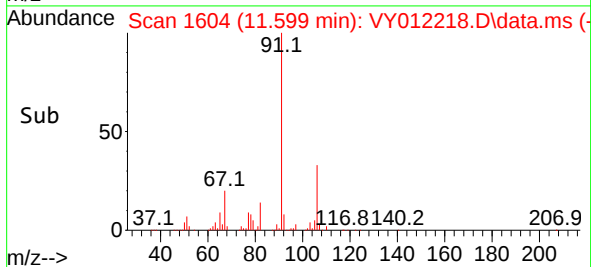
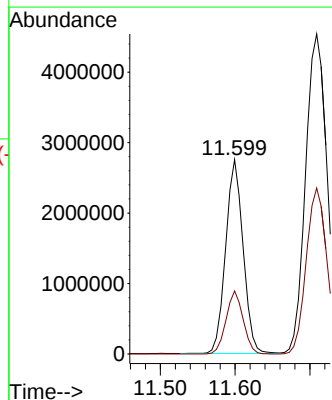
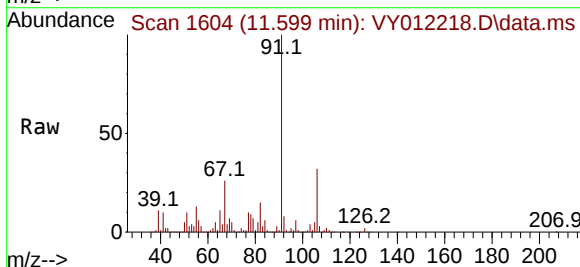
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-ELIZABETH

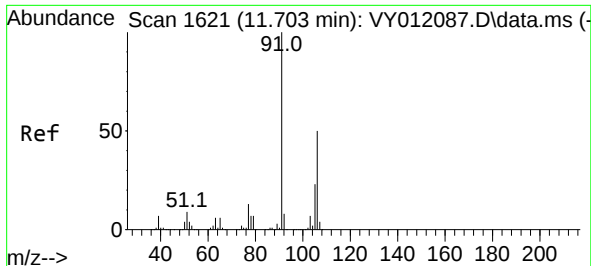
Tgt Ion:117 Resp: 234478
Ion Ratio Lower Upper
117 100
82 0.0 44.8 67.2#
119 32.4 25.4 38.2



#67
Ethyl Benzene
Concen: 521.908 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

Tgt Ion: 91 Resp: 4474905
Ion Ratio Lower Upper
91 100
106 32.5 25.0 37.4

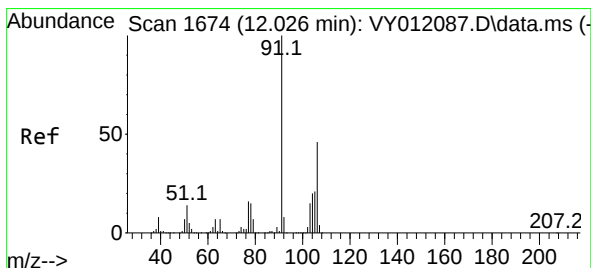
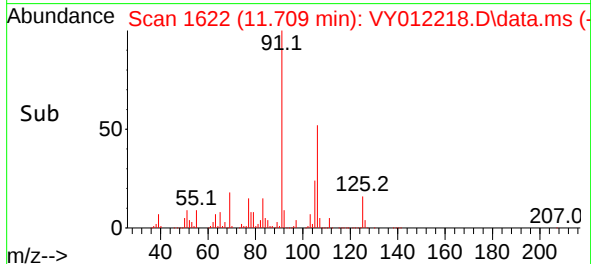
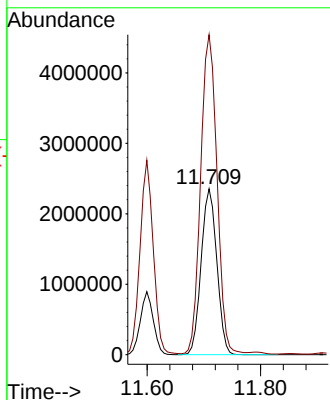
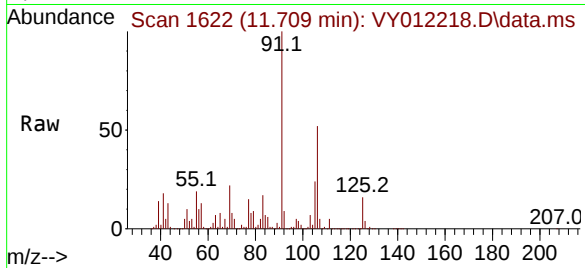




#68
m/p-Xylenes
Concen: 1328.883 ug/l
RT: 11.709 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

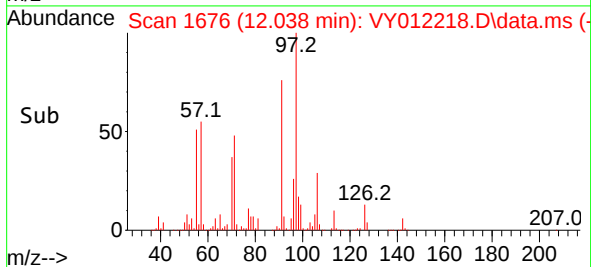
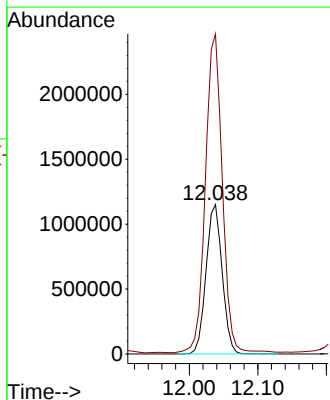
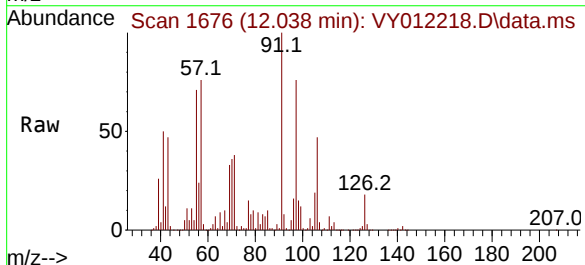
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-ELIZABETH

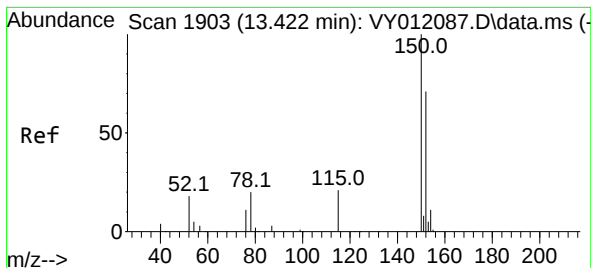
Tgt Ion:106 Resp: 4505028
Ion Ratio Lower Upper
106 100
91 200.5 162.5 243.7



#69
o-Xylene
Concen: 580.984 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.012 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

Tgt Ion:106 Resp: 1881251
Ion Ratio Lower Upper
106 100
91 223.6 107.5 322.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.416 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY012218.D

Acq: 17 Jan 2023 12:39

Instrument :

MSVOA_Y

ClientSampleId :

WASTE-ELIZABETH

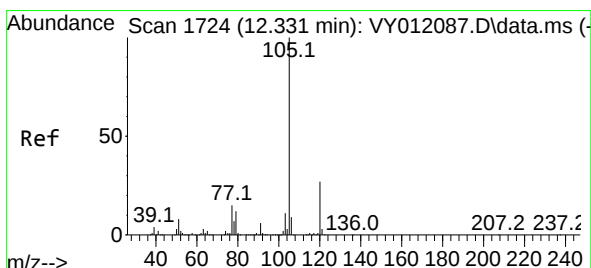
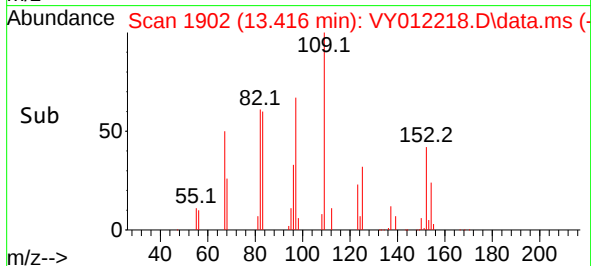
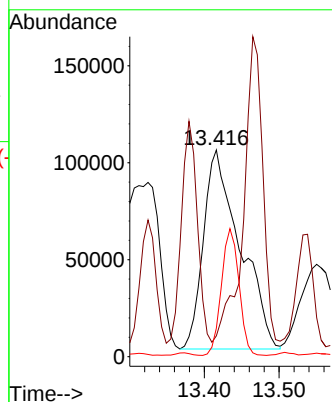
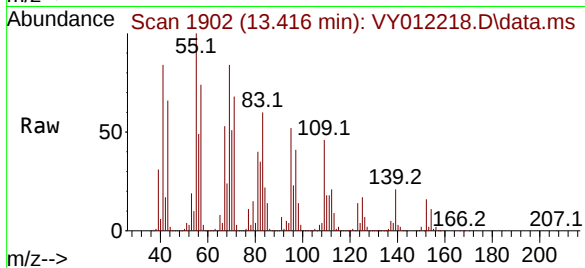
Tgt Ion:152 Resp: 350172

Ion Ratio Lower Upper

152 100

115 0.0 29.1 87.3#

150 30.5 0.0 342.6



#73

Isopropylbenzene

Concen: 301.525 ug/l

RT: 12.343 min Scan# 1726

Delta R.T. 0.012 min

Lab File: VY012218.D

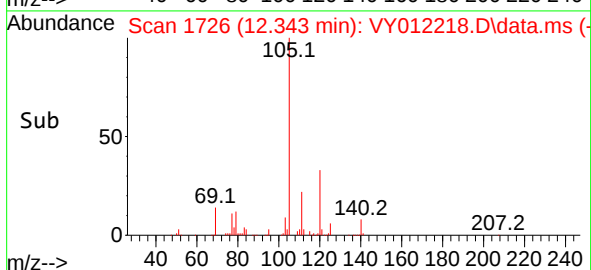
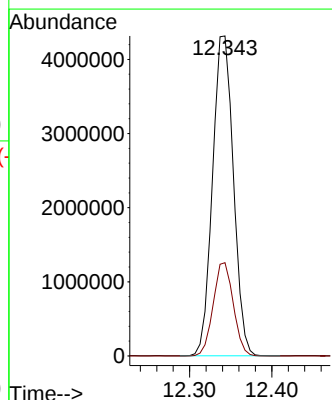
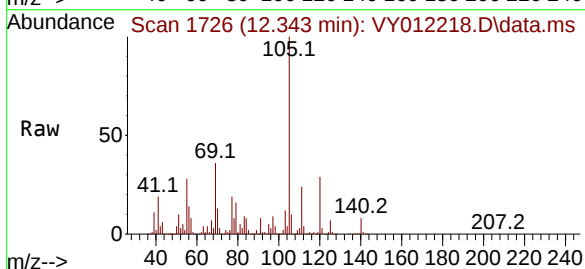
Acq: 17 Jan 2023 12:39

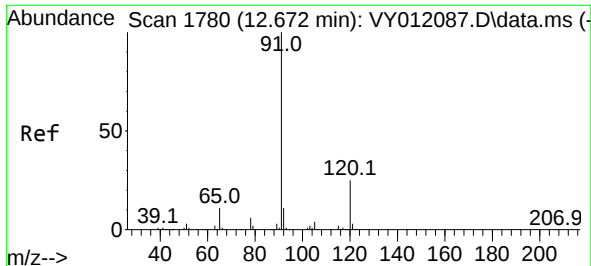
Tgt Ion:105 Resp: 7613685

Ion Ratio Lower Upper

105 100

120 28.1 13.2 39.6

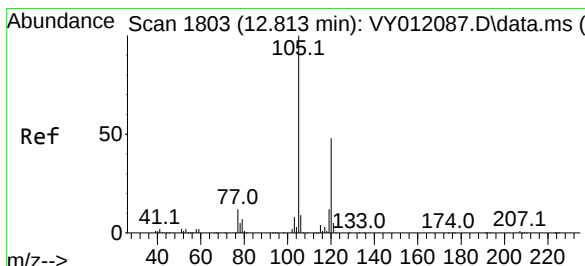
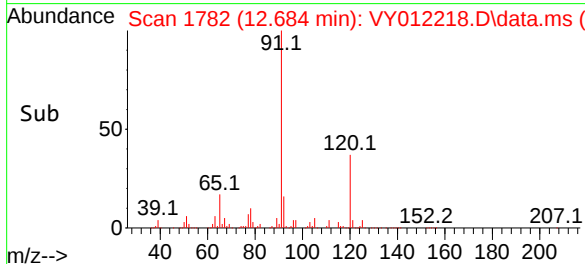
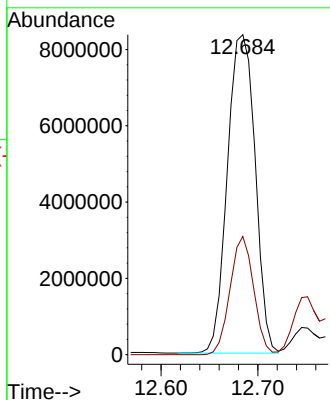
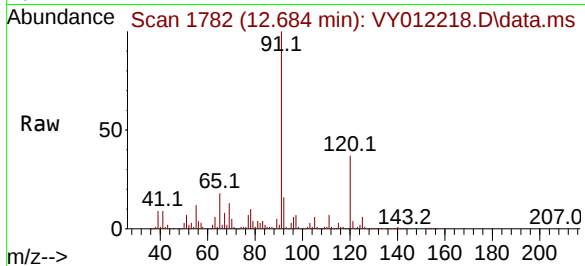




#78
n-propylbenzene
Concen: 564.216 ug/l
RT: 12.684 min Scan# 1782
Delta R.T. 0.012 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

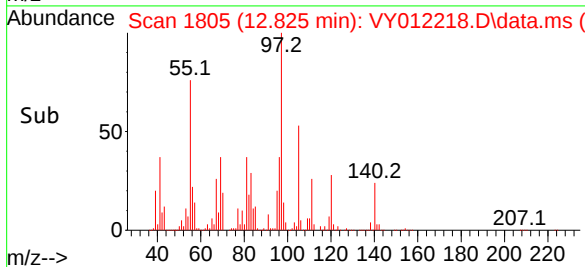
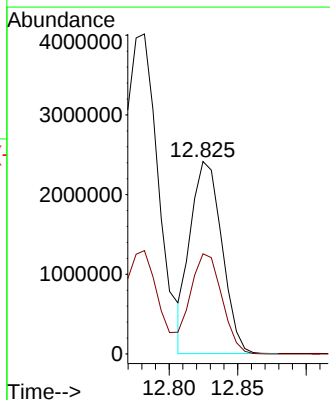
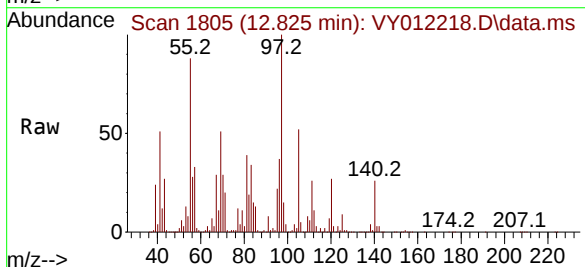
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-ELIZABETH

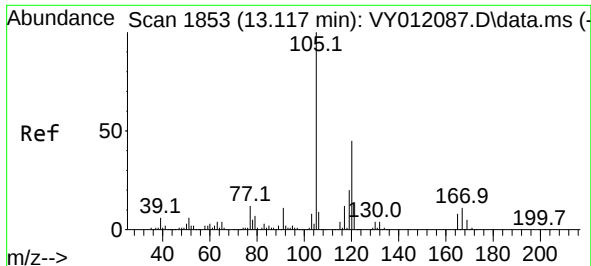
Tgt Ion: 91 Resp:16671312
Ion Ratio Lower Upper
91 100
120 31.5 11.8 35.4



#80
1,3,5-Trimethylbenzene
Concen: 176.235 ug/l
RT: 12.825 min Scan# 1805
Delta R.T. 0.012 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

Tgt Ion:105 Resp: 3868484
Ion Ratio Lower Upper
105 100
120 53.9 24.2 72.6

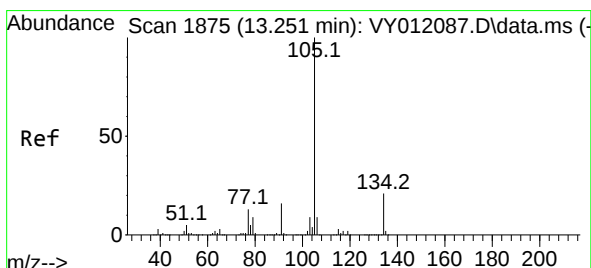
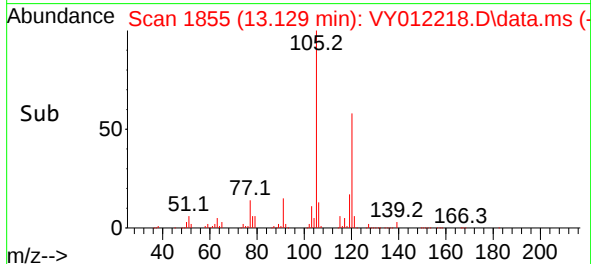
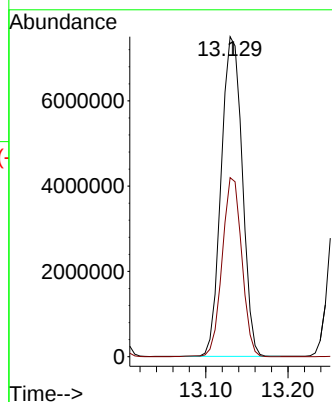
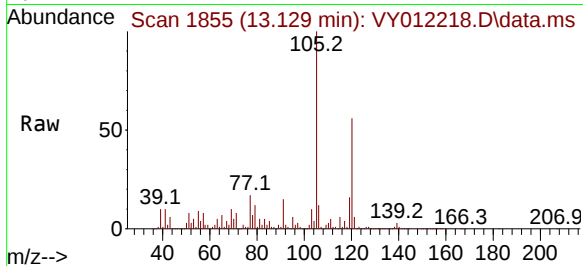




#84
1,2,4-Trimethylbenzene
Concen: 618.163 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. 0.012 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

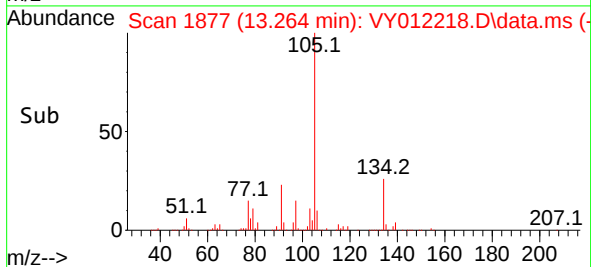
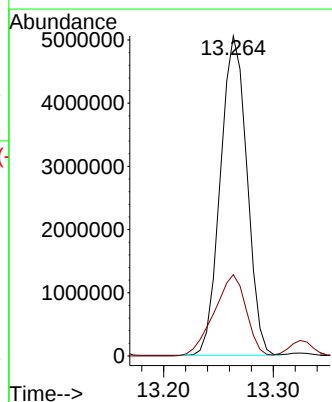
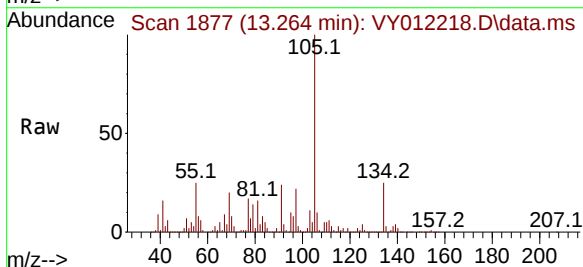
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-ELIZABETH

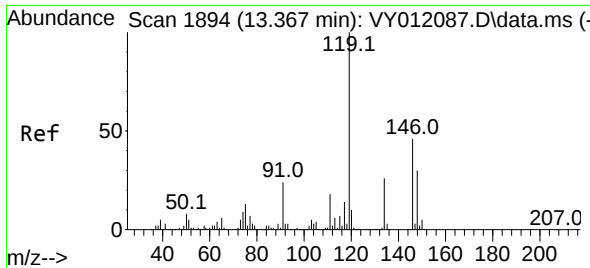
Tgt Ion:105 Resp:13381635
Ion Ratio Lower Upper
105 100
120 52.1 22.9 68.7



#85
sec-Butylbenzene
Concen: 311.850 ug/l
RT: 13.264 min Scan# 1877
Delta R.T. 0.013 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

Tgt Ion:105 Resp: 8494364
Ion Ratio Lower Upper
105 100
134 30.8 10.1 30.3#

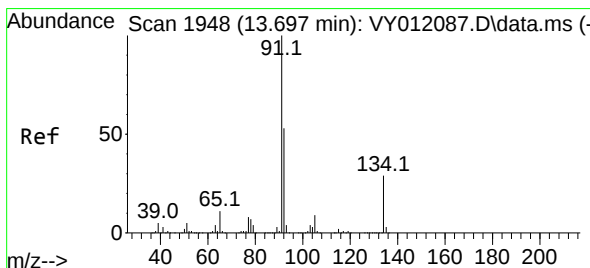
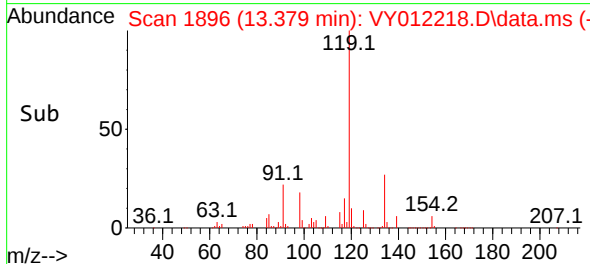
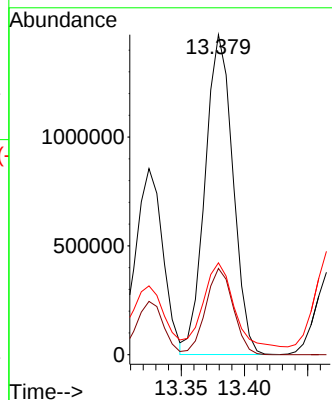
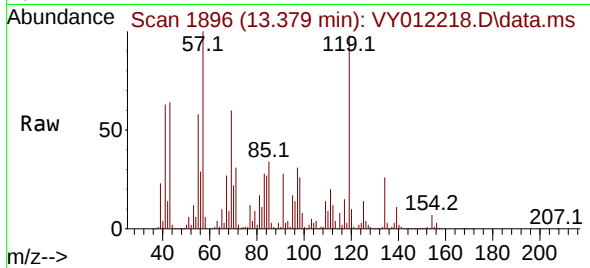




#86
p-Isopropyltoluene
Concen: 94.524 ug/l
RT: 13.379 min Scan# 1896
Delta R.T. 0.012 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

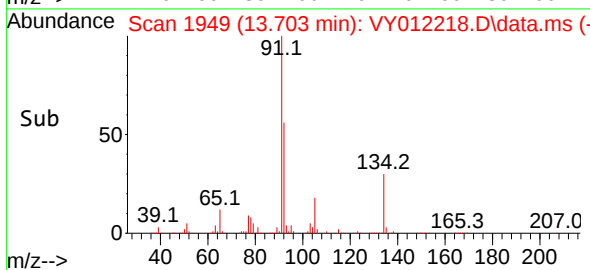
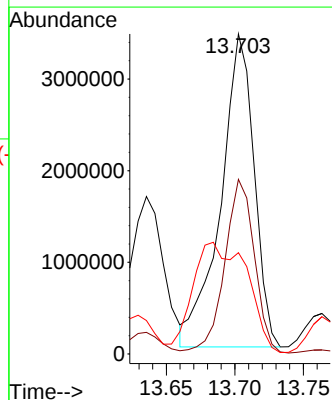
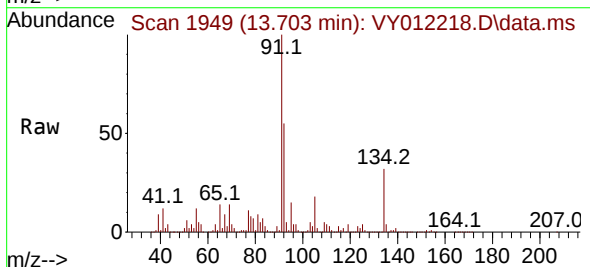
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-ELIZABETH

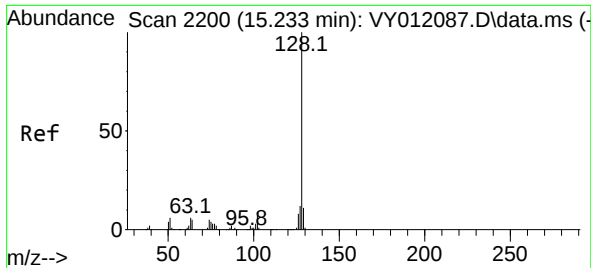
Tgt Ion:119 Resp: 2249543
Ion Ratio Lower Upper
119 100
134 26.6 13.0 39.0
91 27.9 11.9 35.9



#89
n-Butylbenzene
Concen: 280.520 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

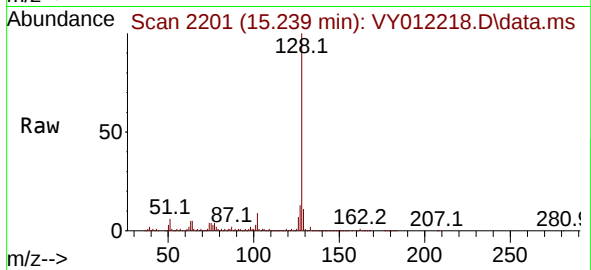
Tgt Ion: 91 Resp: 5785423
Ion Ratio Lower Upper
91 100
92 49.3 26.8 80.4
134 57.3 13.3 39.8#





#95
Naphthalene
Concen: 81.867 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY012218.D
Acq: 17 Jan 2023 12:39

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-ELIZABETH



Tgt Ion:128 Resp: 1116412
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 11.0 8.8 13.2

