

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
 Data File : VY010711.D
 Acq On : 28 Sep 2022 13:13
 Operator : KP/MD
 Sample : N4738-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1675

Quant Time: Sep 29 01:12:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

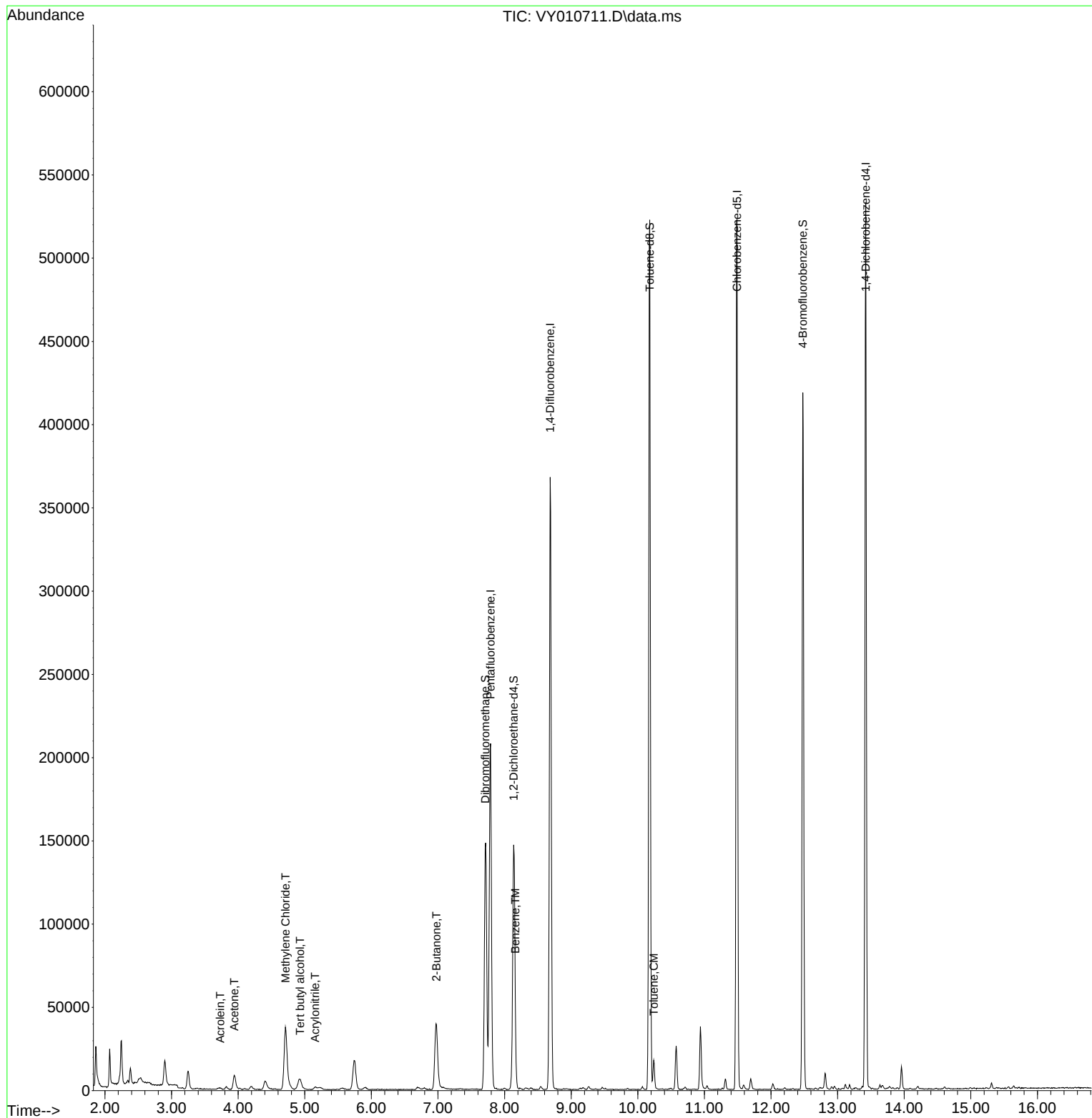
Internal Standards						
1) Pentafluorobenzene	7.789	168	159401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	310466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	288737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	129262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	111452	73.101	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.200%			
35) Dibromofluoromethane	7.710	113	106972	53.988	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.980%			
50) Toluene-d8	10.179	98	341282	46.817	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.640%			
62) 4-Bromofluorobenzene	12.477	95	117084	42.687	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.380%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.930	59	7593	46.570	ug/l #	77
13) Acrolein	3.729	56	938	13.225	ug/l #	54
15) Acrylonitrile	5.155	53	2054	5.511	ug/l	99
16) Acetone	3.942	43	14860	47.795	ug/l	90
20) Methylene Chloride	4.710	84	27794	6.468	ug/l	87
25) 2-Butanone	6.978	43	6474	13.312	ug/l	92
40) Benzene	8.161	78	11607	1.764	ug/l	98
52) Toluene	10.240	92	6827	1.585	ug/l	94

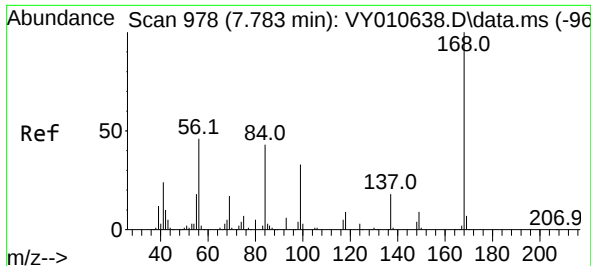
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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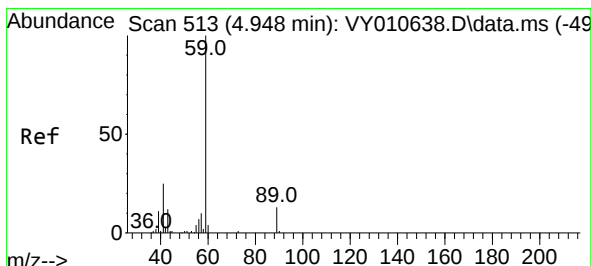
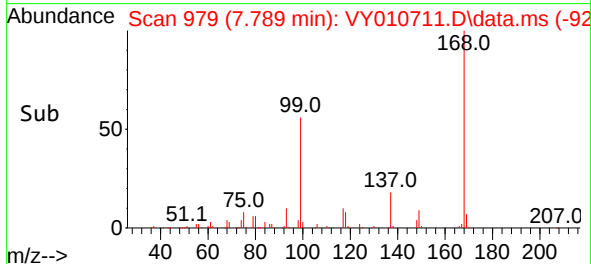
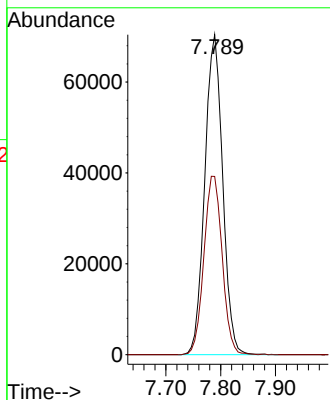
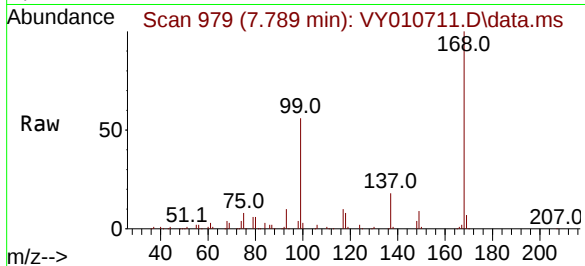




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

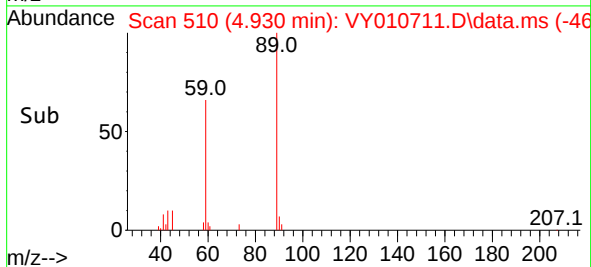
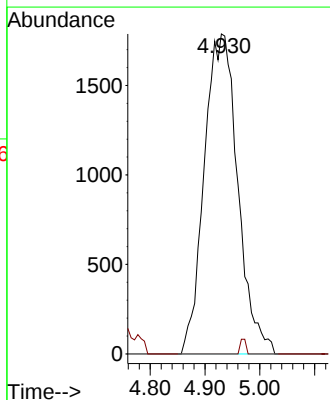
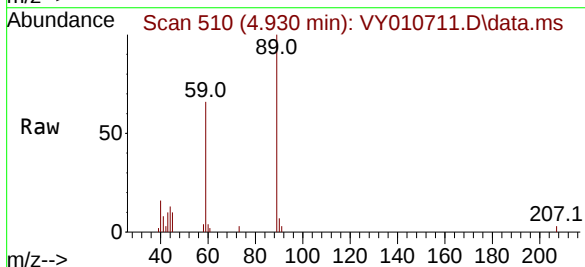
Instrument :
MSVOA_Y
ClientSampleId :
1675

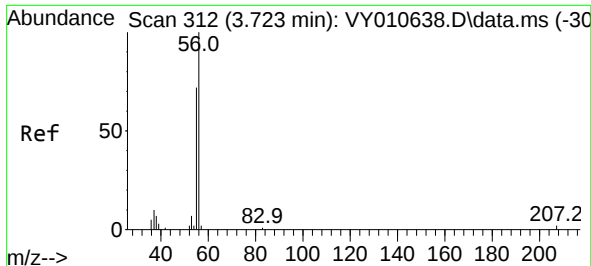
Tgt Ion:168 Resp: 159401
Ion Ratio Lower Upper
168 100
99 55.7 46.9 70.3



#11
Tert butyl alcohol
Concen: 46.570 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 59 Resp: 7593
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

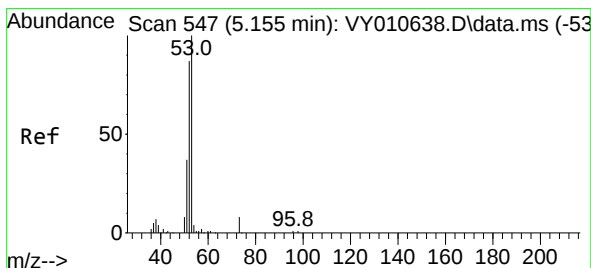
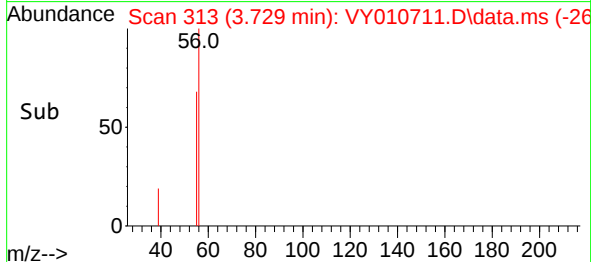
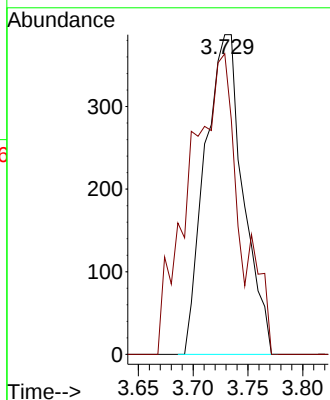
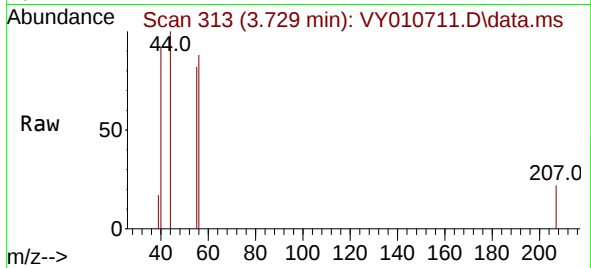




#13
Acrolein
Concen: 13.225 ug/l
RT: 3.729 min Scan# 312
Delta R.T. 0.006 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

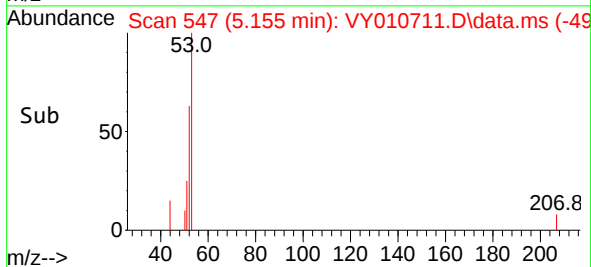
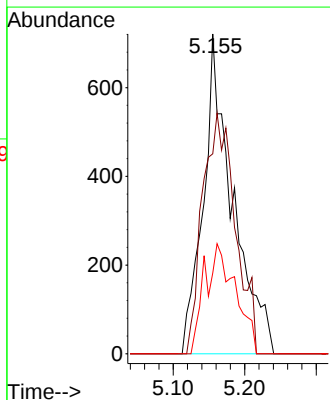
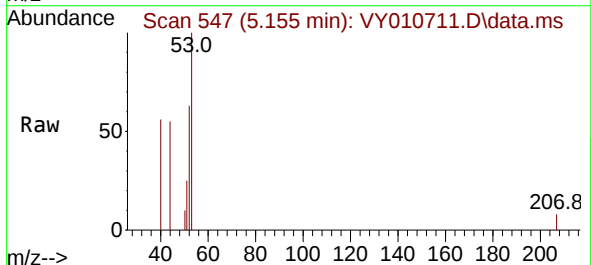
Instrument :
MSVOA_Y
ClientSampleId :
1675

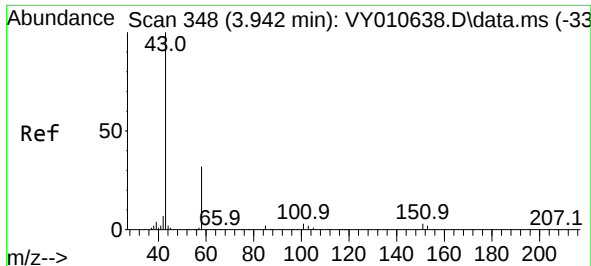
Tgt Ion: 56 Resp: 938
Ion Ratio Lower Upper
56 100
55 110.1 57.6 86.4#



#15
Acrylonitrile
Concen: 5.511 ug/l
RT: 5.155 min Scan# 547
Delta R.T. 0.006 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 53 Resp: 2054
Ion Ratio Lower Upper
53 100
52 83.8 67.0 100.4
51 36.0 29.8 44.6

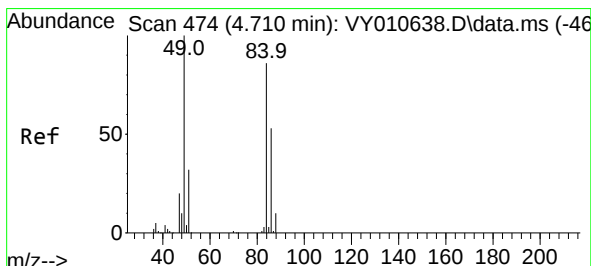
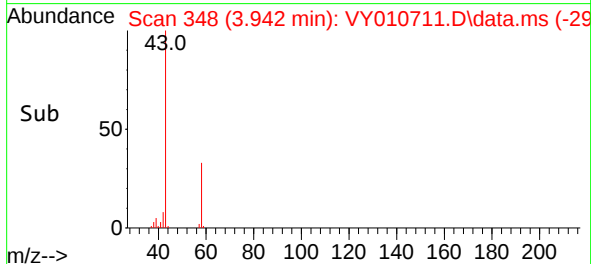
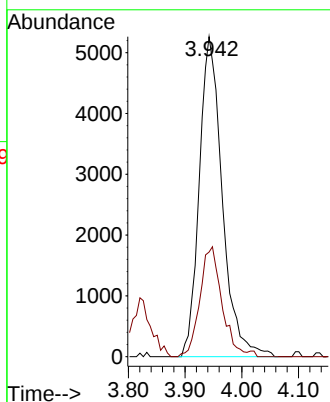
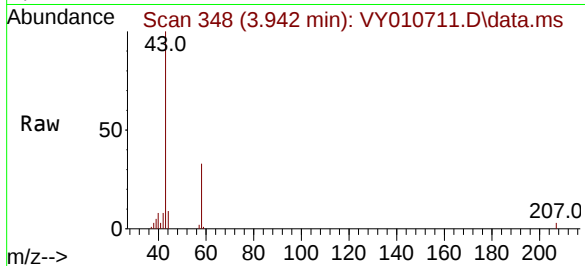




#16
Acetone
Concen: 47.795 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

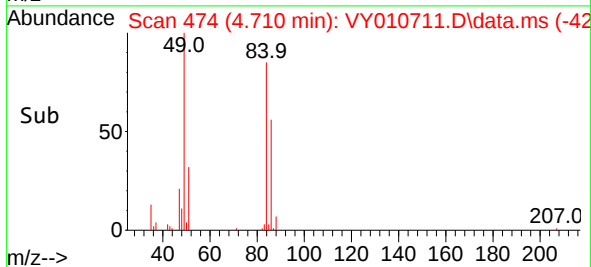
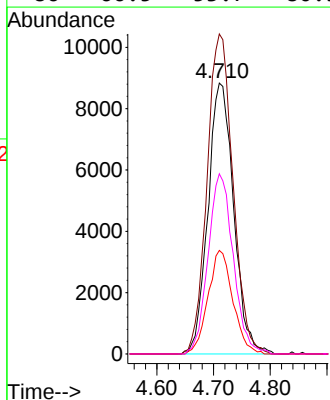
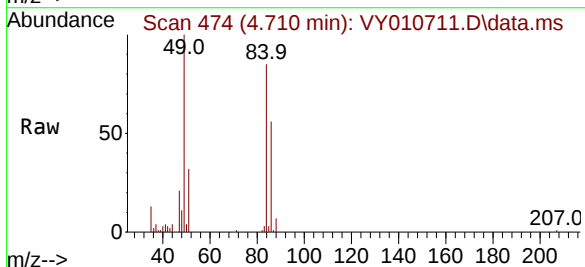
Instrument :
MSVOA_Y
ClientSampleId :
1675

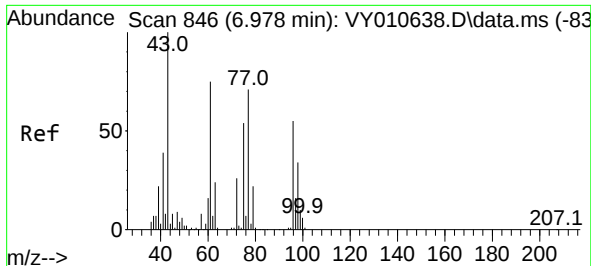
Tgt Ion: 43 Resp: 14860
Ion Ratio Lower Upper
43 100
58 32.7 22.0 33.0



#20
Methylene Chloride
Concen: 6.468 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 84 Resp: 27794
Ion Ratio Lower Upper
84 100
49 118.1 114.4 171.6
51 38.2 35.3 52.9
86 66.5 53.7 80.5

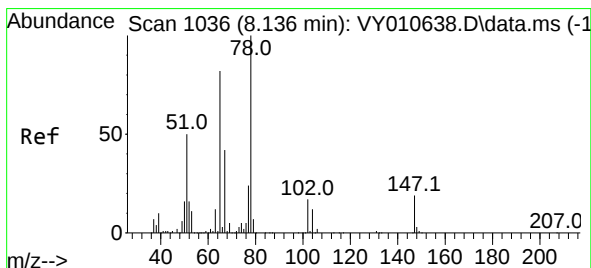
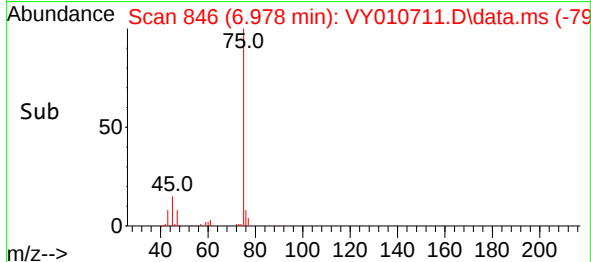
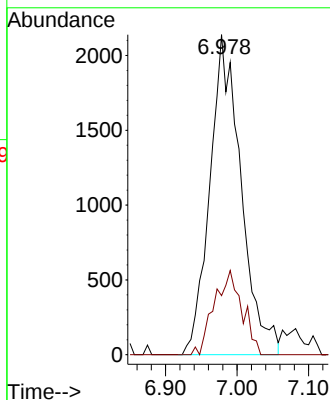
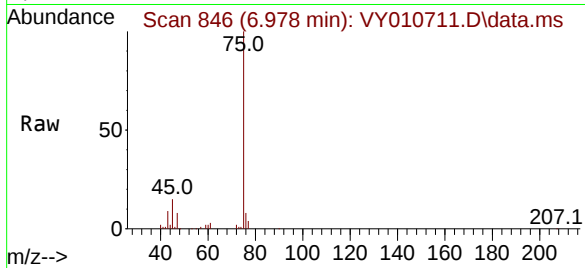




#25
2-Butanone
Concen: 13.312 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

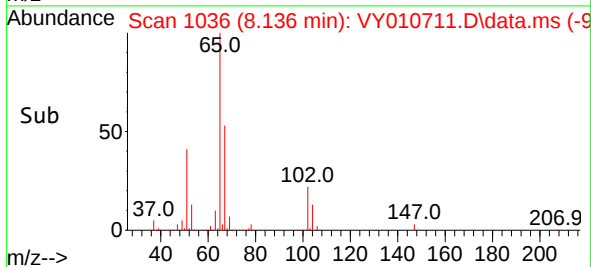
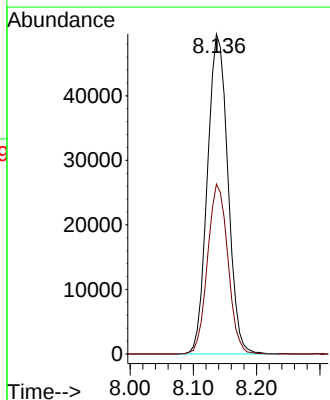
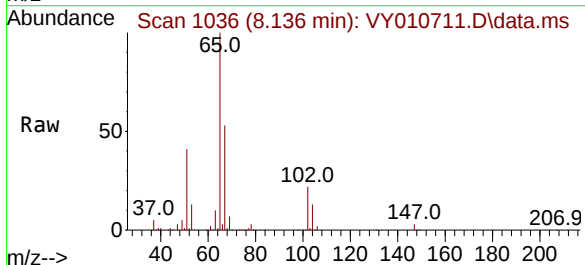
Instrument :
MSVOA_Y
ClientSampleId :
1675

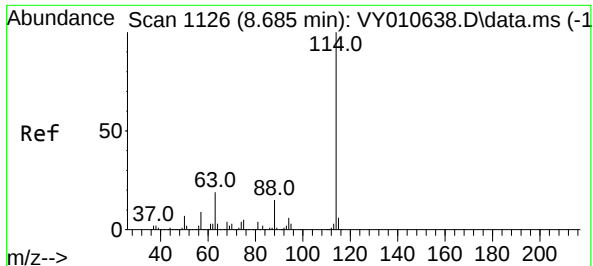
Tgt Ion: 43 Resp: 6474
Ion Ratio Lower Upper
43 100
72 18.5 17.7 26.5



#33
1,2-Dichloroethane-d4
Concen: 73.101 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 65 Resp: 111452
Ion Ratio Lower Upper
65 100
67 52.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010711.D

Acq: 28 Sep 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

1675

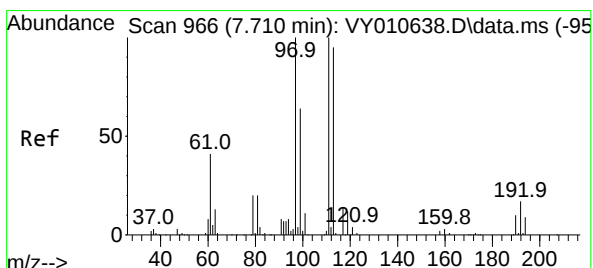
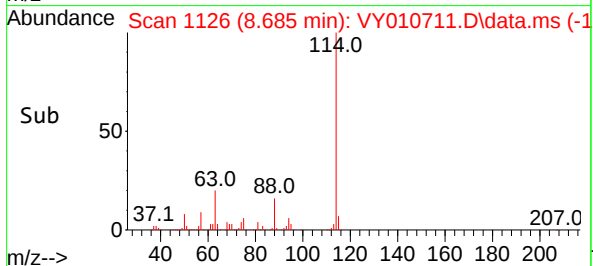
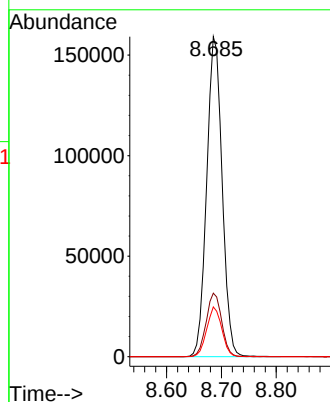
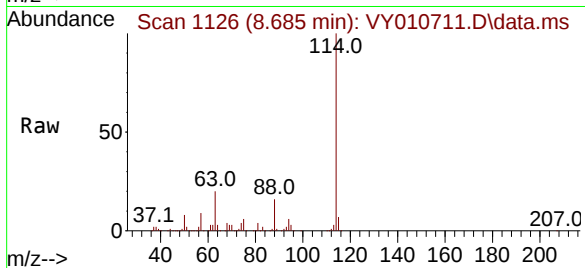
Tgt Ion:114 Resp: 310466

Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.988 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010711.D

Acq: 28 Sep 2022 13:13

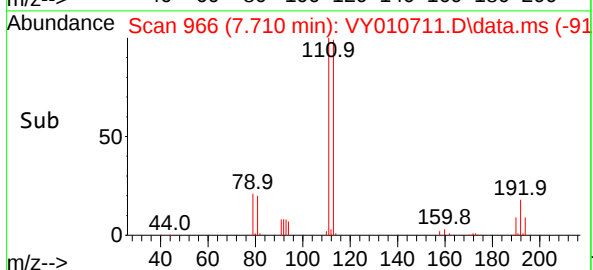
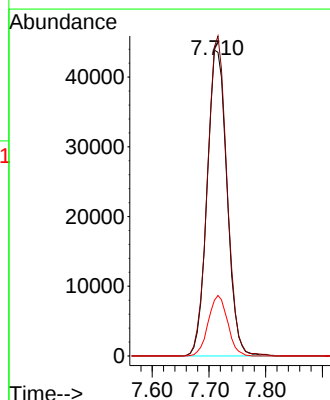
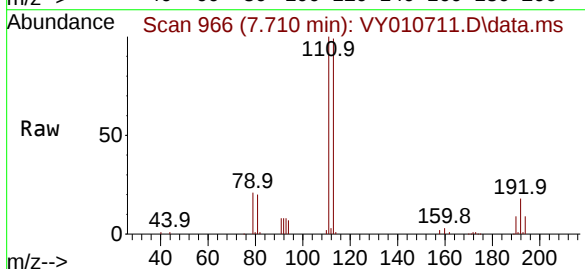
Tgt Ion:113 Resp: 106972

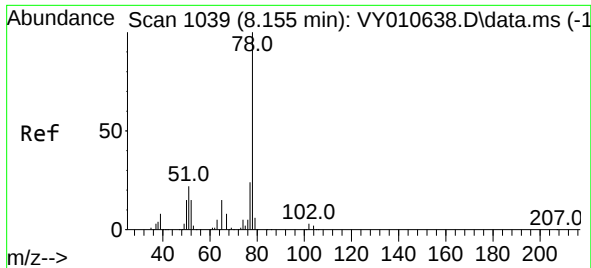
Ion Ratio Lower Upper

113 100

111 102.9 82.6 124.0

192 19.2 17.6 26.4





#40

Benzene

Concen: 1.764 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY010711.D

Acq: 28 Sep 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

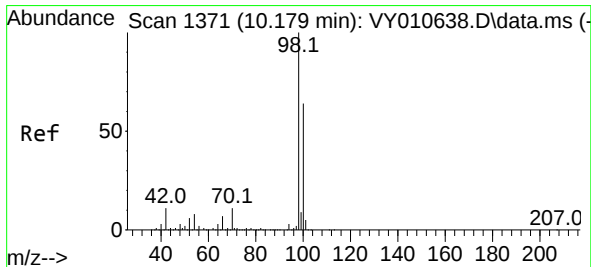
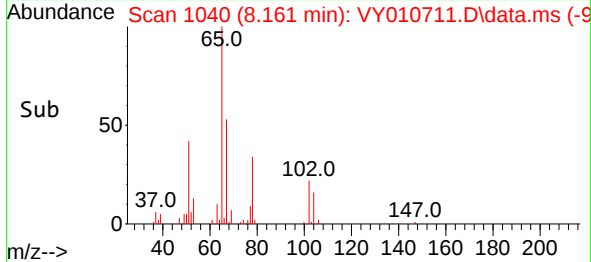
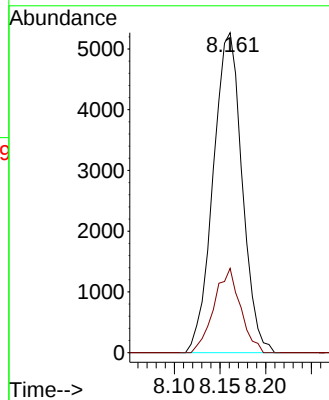
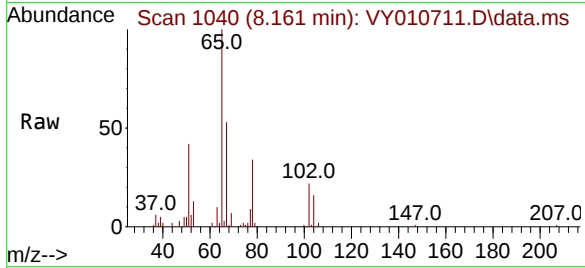
1675

Tgt Ion: 78 Resp: 11607

Ion Ratio Lower Upper

78 100

77 26.3 20.4 30.6



#50

Toluene-d8

Concen: 46.817 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.006 min

Lab File: VY010711.D

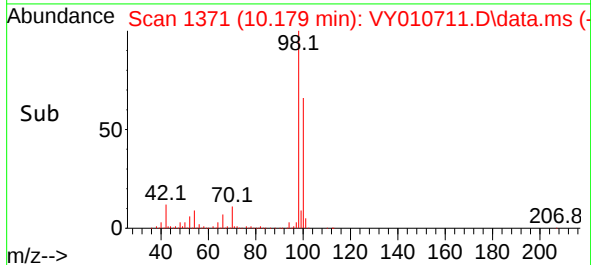
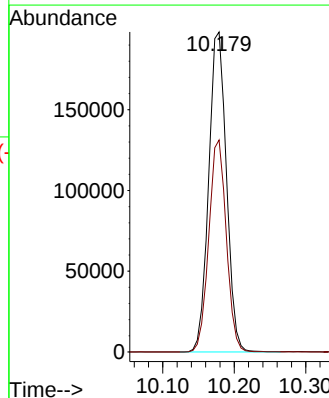
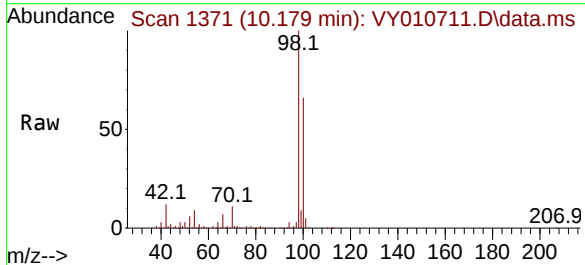
Acq: 28 Sep 2022 13:13

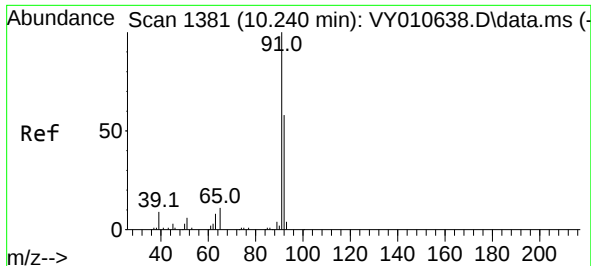
Tgt Ion: 98 Resp: 341282

Ion Ratio Lower Upper

98 100

100 65.4 50.2 75.2

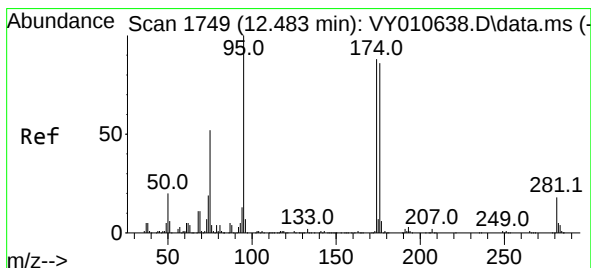
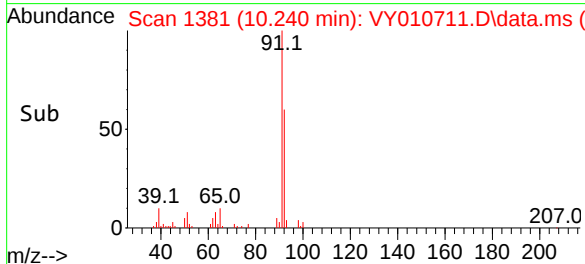
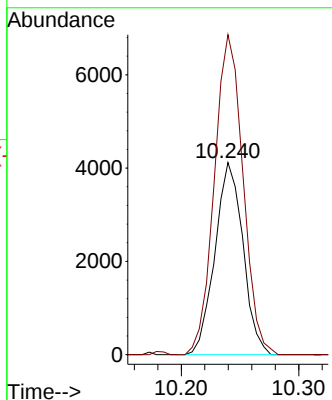
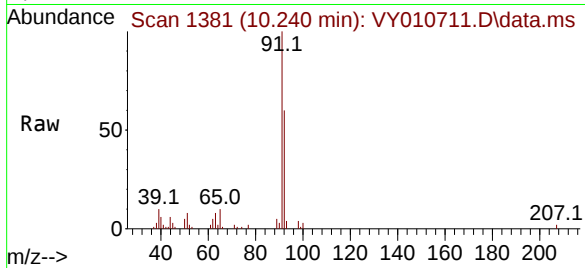




#52
Toluene
Concen: 1.585 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

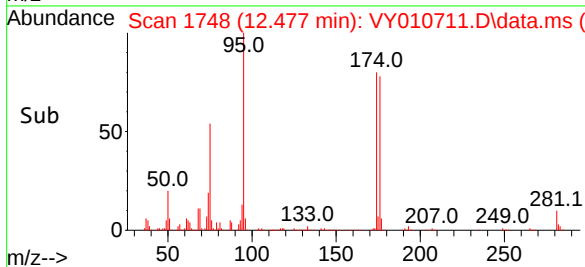
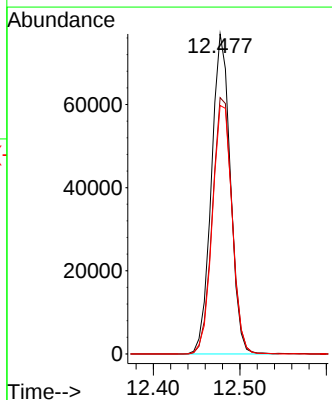
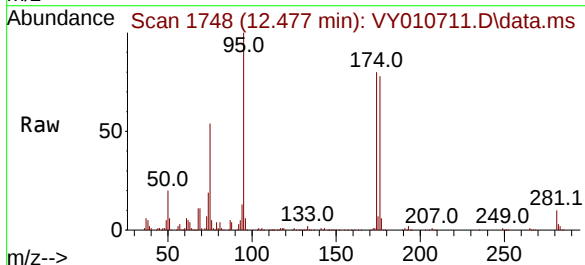
Instrument :
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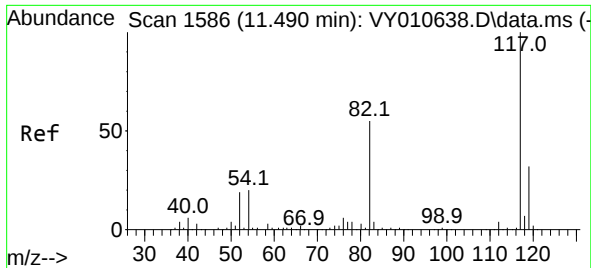
Tgt Ion: 92 Resp: 6827
Ion Ratio Lower Upper
92 100
91 170.2 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 42.687 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion: 95 Resp: 117084
Ion Ratio Lower Upper
95 100
174 82.9 0.0 177.0
176 80.9 0.0 175.8

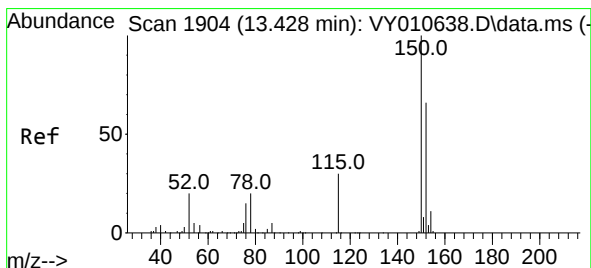
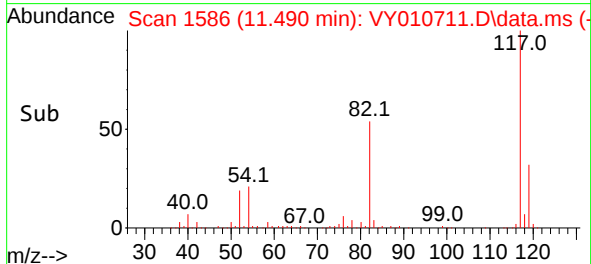
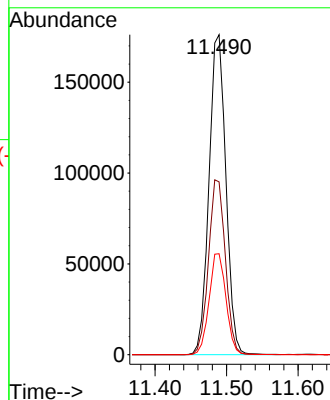
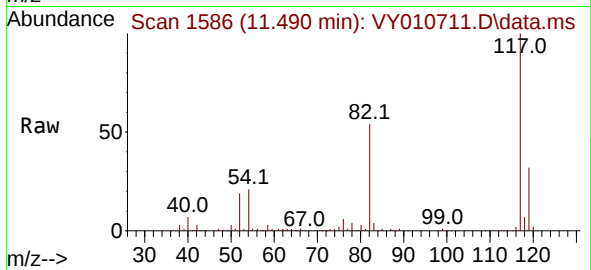




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Instrument :
MSVOA_Y
ClientSampleId :
1675

Tgt Ion:117 Resp: 288737
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010711.D
Acq: 28 Sep 2022 13:13

Tgt Ion:152 Resp: 129262
Ion Ratio Lower Upper
152 100
115 58.8 28.2 84.7
150 159.1 0.0 347.6

