

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101122\
 Data File : VY010910.D
 Acq On : 11 Oct 2022 12:03
 Operator : KP/MD
 Sample : N5004-13
 Misc : 7.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22013-9

Quant Time: Oct 12 04:44:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

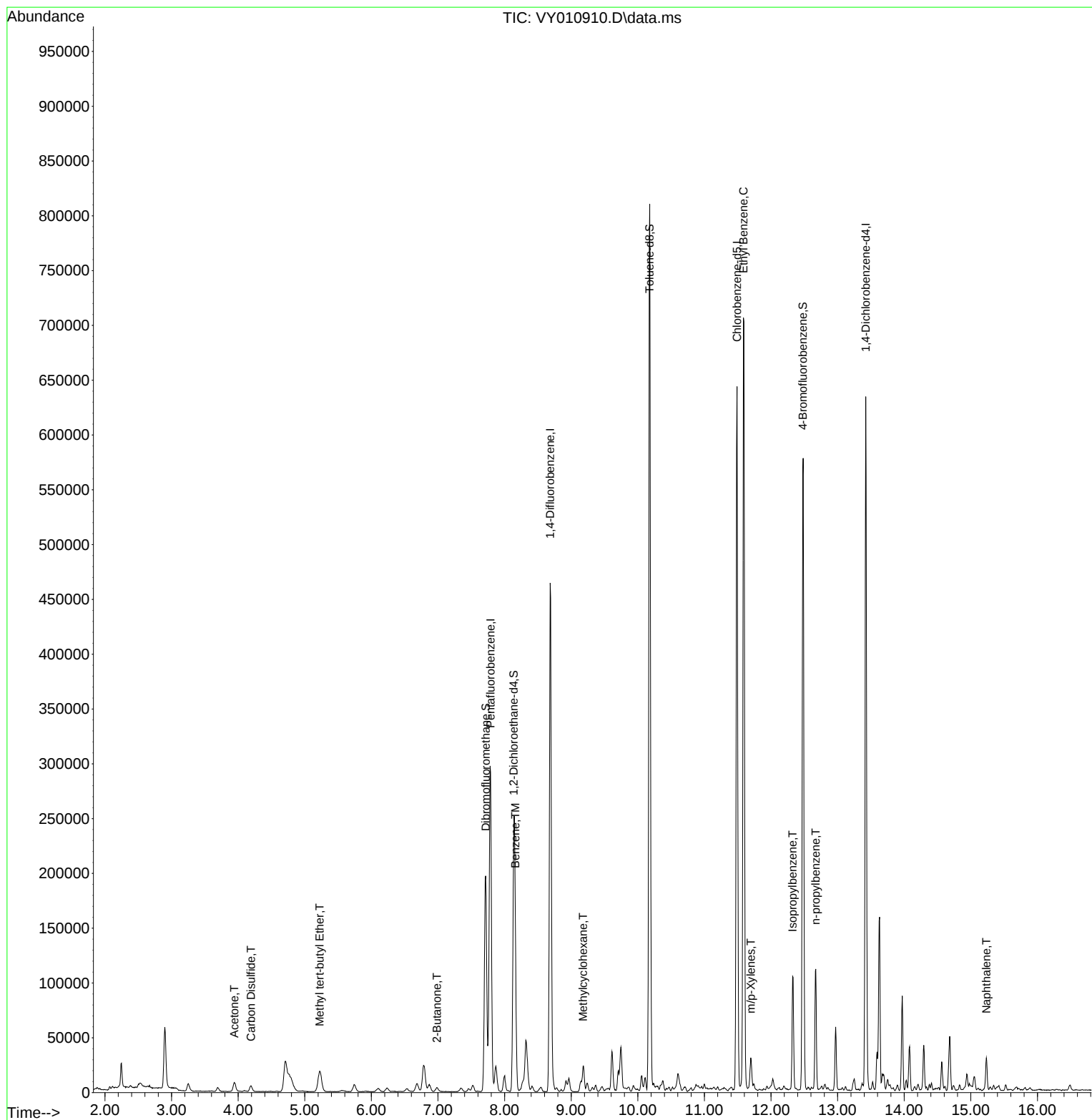
Internal Standards						
1) Pentafluorobenzene	7.789	168	227972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	390760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	344302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	158785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	150109	64.960	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.920%	
35) Dibromofluoromethane	7.716	113	144436	55.683	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.360%	
50) Toluene-d8	10.179	98	535515	60.368	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 120.740%	
62) 4-Bromofluorobenzene	12.477	95	181760	52.640	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.280%	
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	13347	22.742	ug/l #	87
17) Carbon Disulfide	4.192	76	10593	1.521	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	17425	3.088	ug/l #	2
25) 2-Butanone	6.984	43	5137	6.088	ug/l #	89
39) Methylcyclohexane	9.179	83	7139	1.552	ug/l	96
40) Benzene	8.161	78	111542	10.341	ug/l	95
67) Ethyl Benzene	11.587	91	495383	38.606	ug/l	100
68) m/p-Xylenes	11.697	106	9320	1.856	ug/l	92
73) Isopropylbenzene	12.325	105	65643	5.623	ug/l	100
78) n-propylbenzene	12.672	91	85357	6.004	ug/l	99
95) Naphthalene	15.233	128	25174	4.752	ug/l	97

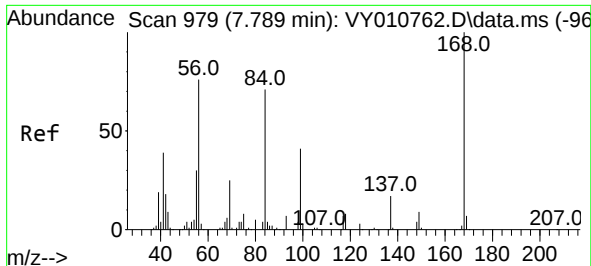
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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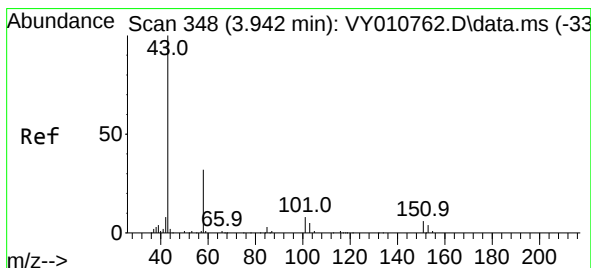
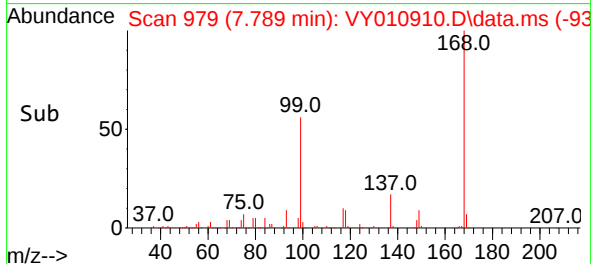
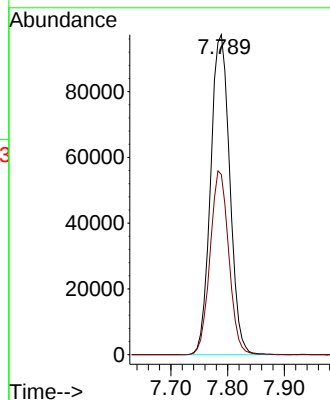
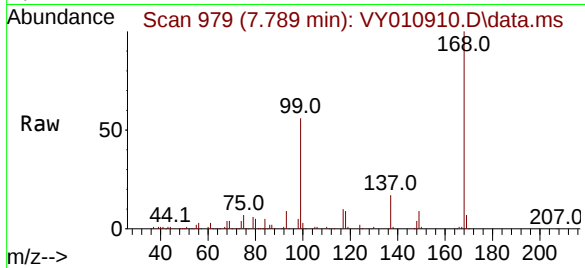




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010910.D
Acq: 11 Oct 2022 12:03

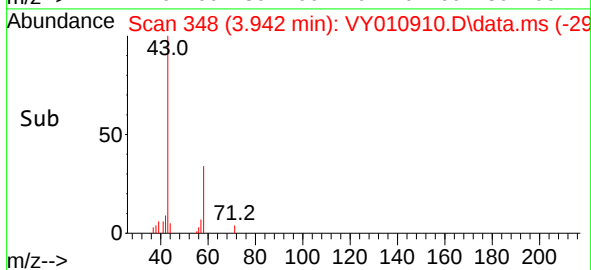
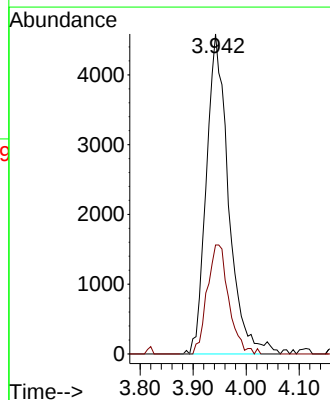
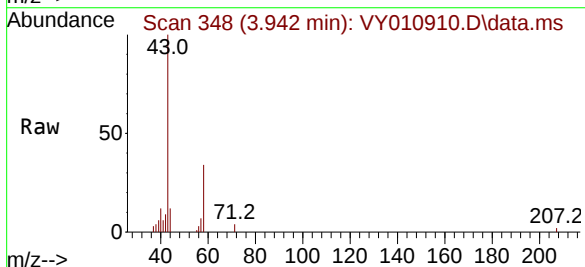
Instrument :
MSVOA_Y
ClientSampleId :
D22013-9

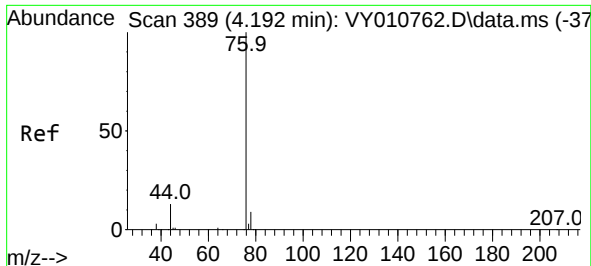
Tgt Ion:168 Resp: 227972
Ion Ratio Lower Upper
168 100
99 56.3 46.9 70.3



#16
Acetone
Concen: 22.742 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010910.D
Acq: 11 Oct 2022 12:03

Tgt Ion: 43 Resp: 13347
Ion Ratio Lower Upper
43 100
58 34.1 22.0 33.0#

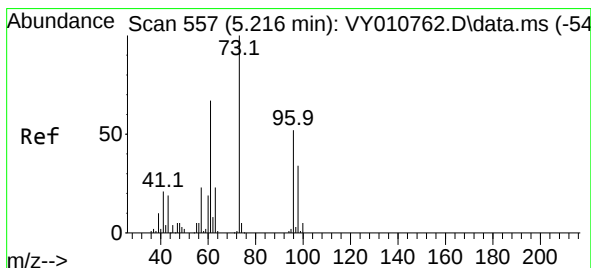
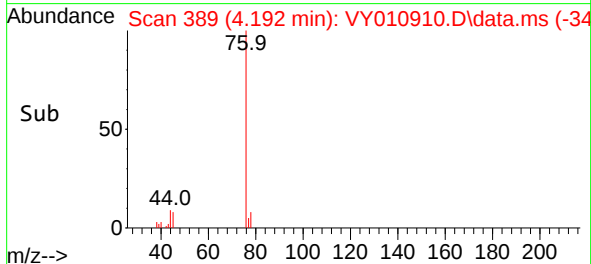
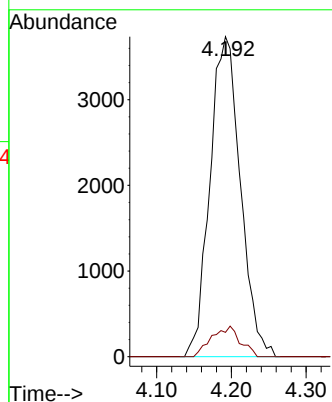
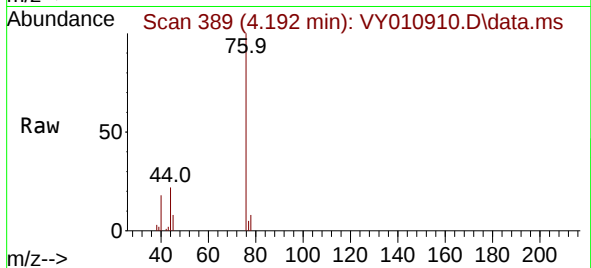




#17
Carbon Disulfide
Concen: 1.521 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY010910.D
Acq: 11 Oct 2022 12:03

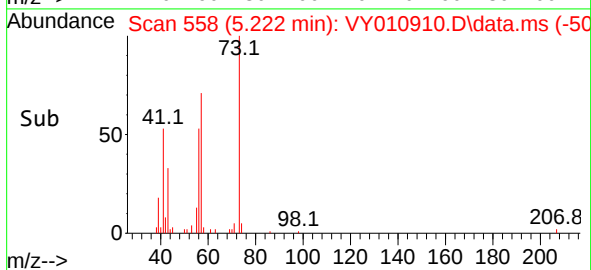
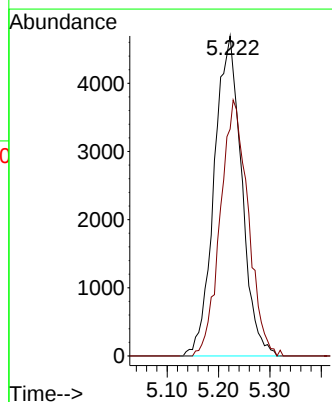
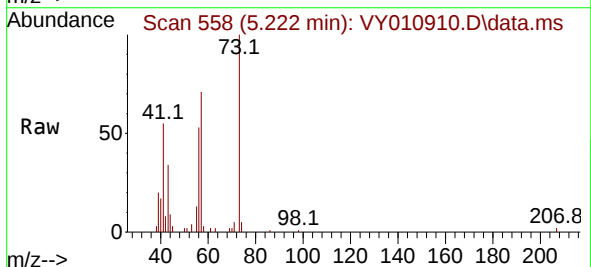
Instrument :
MSVOA_Y
ClientSampleId :
D22013-9

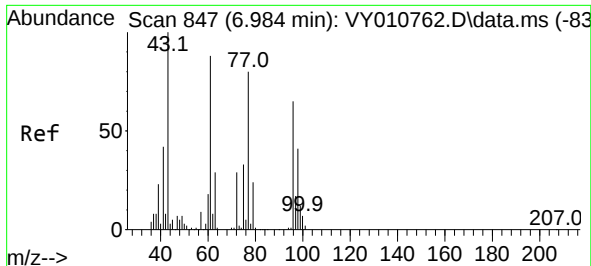
Tgt Ion: 76 Resp: 10593
Ion Ratio Lower Upper
76 100
78 7.6 7.4 11.0



#19
Methyl tert-butyl Ether
Concen: 3.088 ug/l
RT: 5.222 min Scan# 558
Delta R.T. 0.006 min
Lab File: VY010910.D
Acq: 11 Oct 2022 12:03

Tgt Ion: 73 Resp: 17425
Ion Ratio Lower Upper
73 100
57 70.9 18.6 27.8#

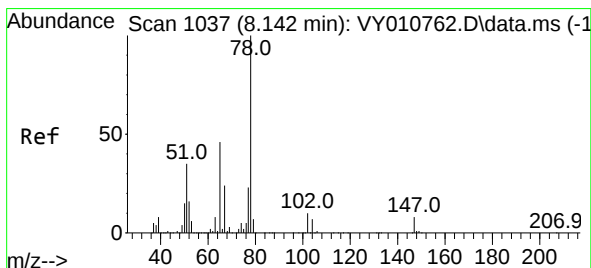
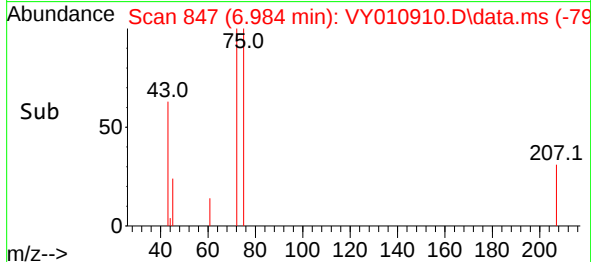
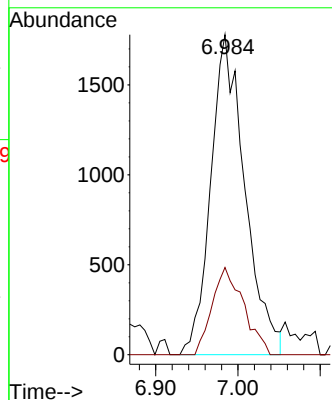
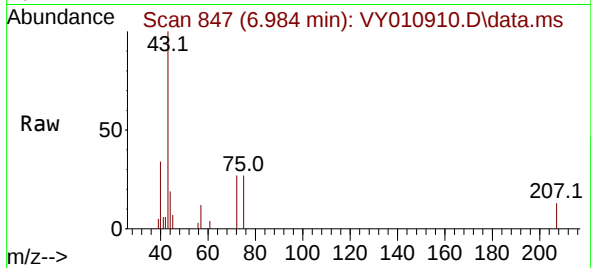




#25
2-Butanone
Concen: 6.088 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY010910.D
Acq: 11 Oct 2022 12:03

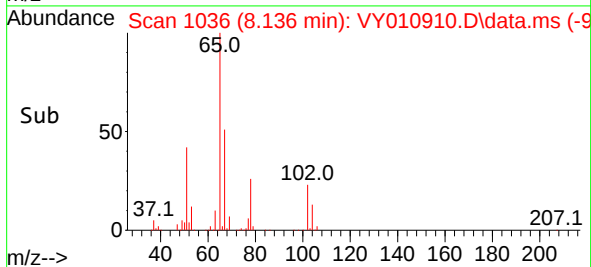
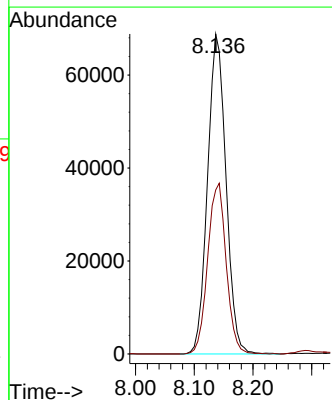
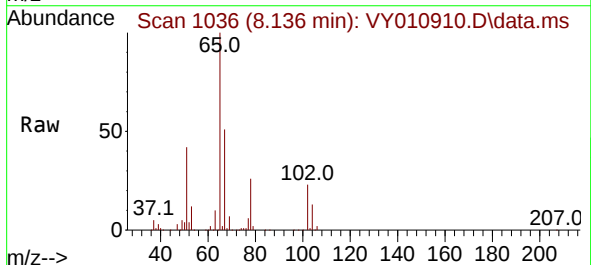
Instrument :
MSVOA_Y
ClientSampleId :
D22013-9

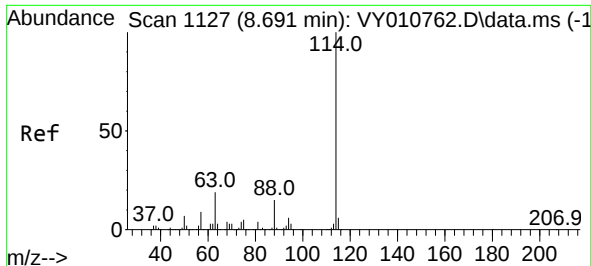
Tgt Ion: 43 Resp: 5137
Ion Ratio Lower Upper
43 100
72 27.3 17.7 26.5#



#33
1,2-Dichloroethane-d4
Concen: 64.960 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010910.D
Acq: 11 Oct 2022 12:03

Tgt Ion: 65 Resp: 150109
Ion Ratio Lower Upper
65 100
67 53.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010910.D

Acq: 11 Oct 2022 12:03

Instrument :

MSVOA_Y

ClientSampleId :

D22013-9

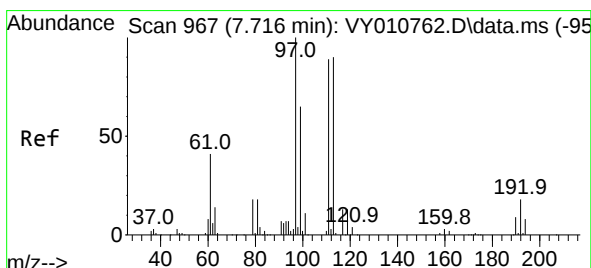
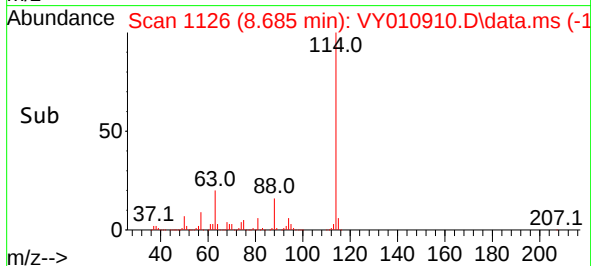
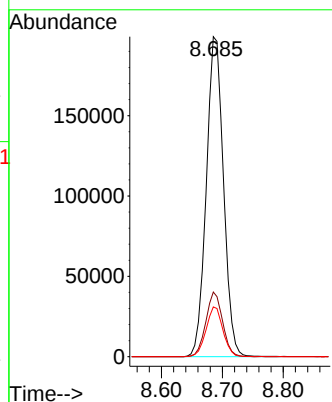
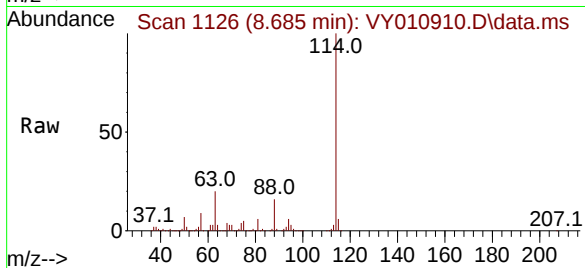
Tgt Ion:114 Resp: 390760

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.683 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010910.D

Acq: 11 Oct 2022 12:03

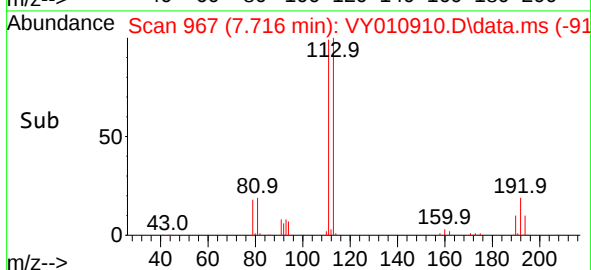
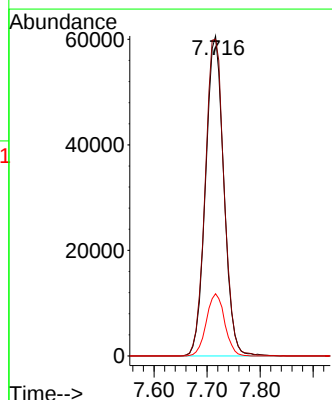
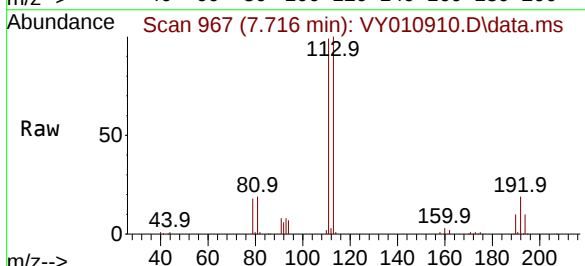
Tgt Ion:113 Resp: 144436

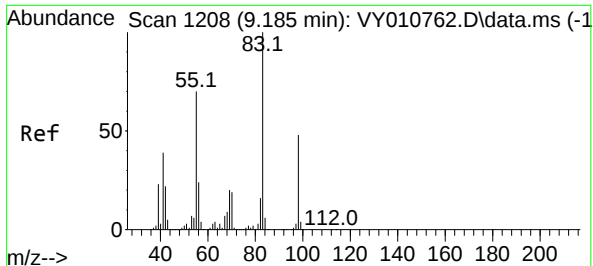
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 19.6 17.6 26.4





#39

Methylcyclohexane

Concen: 1.552 ug/l

RT: 9.179 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY010910.D

Acq: 11 Oct 2022 12:03

Instrument :

MSVOA_Y

ClientSampleId :

D22013-9

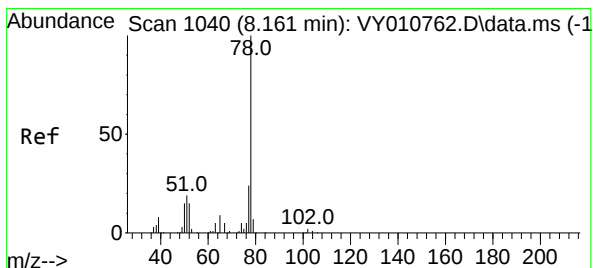
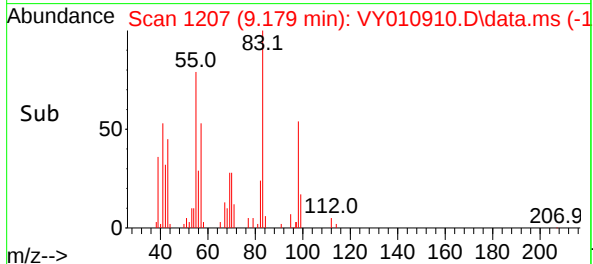
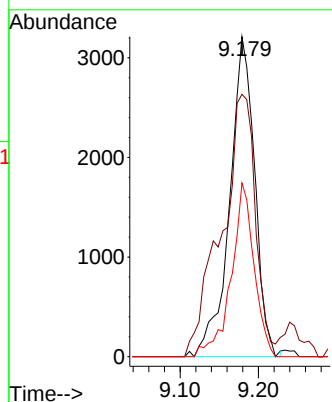
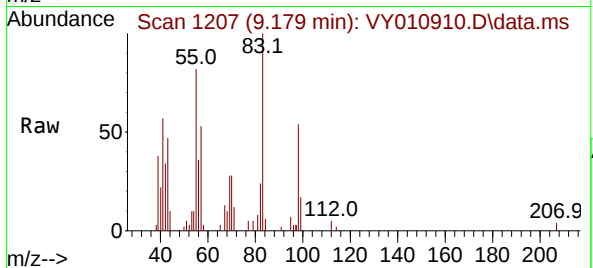
Tgt Ion: 83 Resp: 7139

Ion Ratio Lower Upper

83 100

55 82.0 66.5 99.7

98 54.2 37.9 56.9



#40

Benzene

Concen: 10.341 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY010910.D

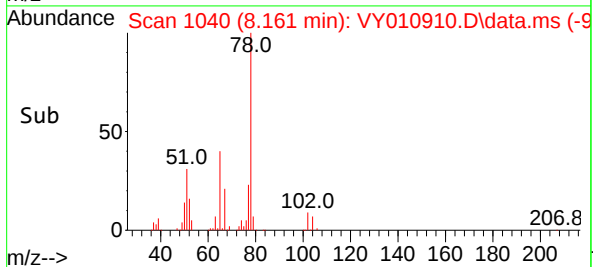
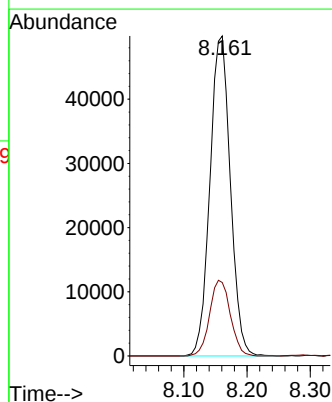
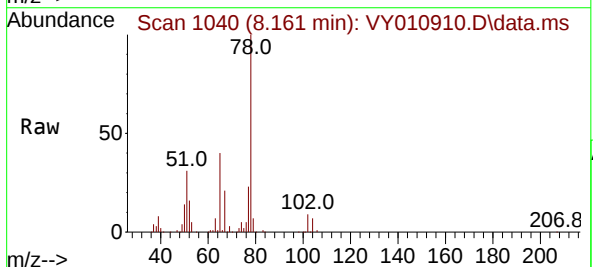
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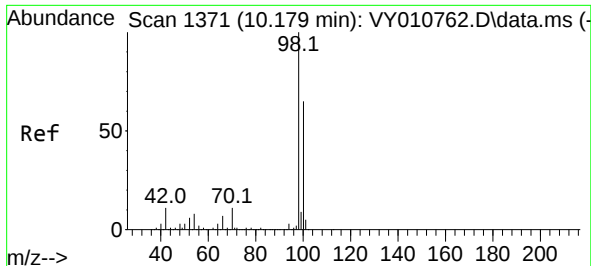
Tgt Ion: 78 Resp: 111542

Ion Ratio Lower Upper

78 100

77 22.9 20.4 30.6

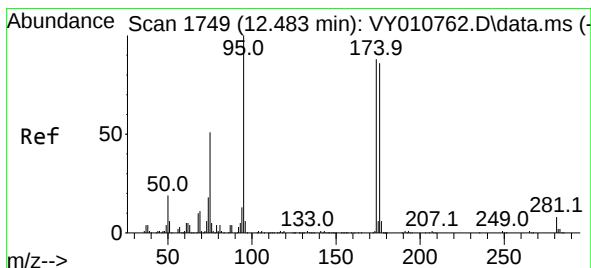
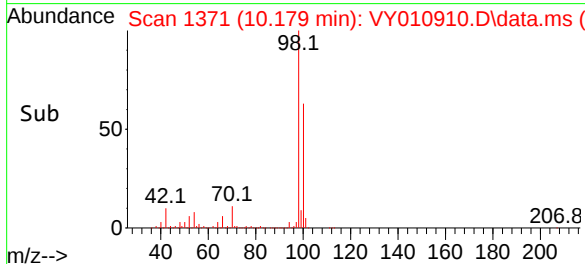
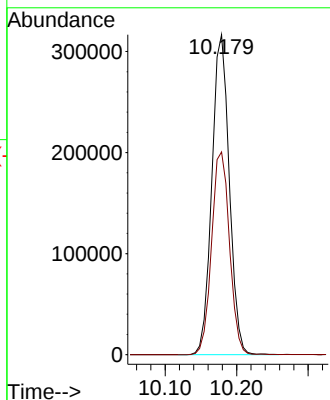
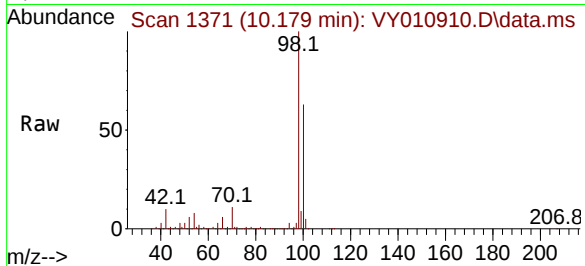




#50
Toluene-d8
Concen: 60.368 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010910.D
Acq: 11 Oct 2022 12:03

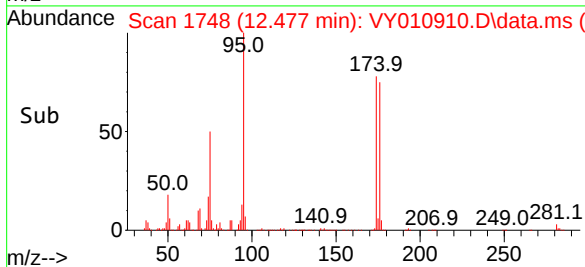
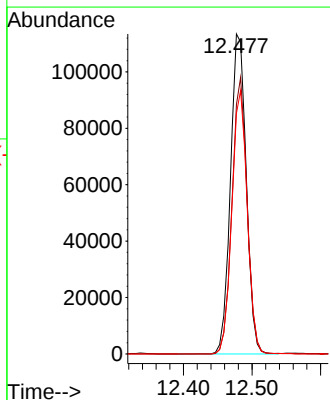
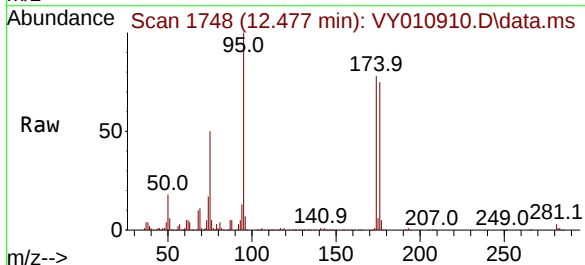
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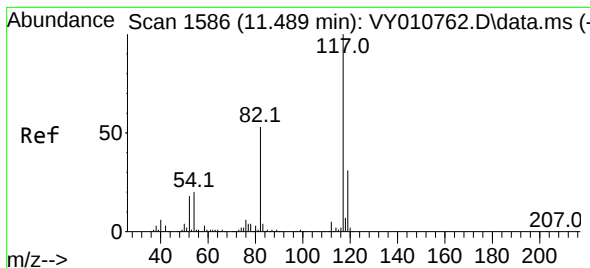
Tgt Ion: 98 Resp: 535515
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 52.640 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010910.D
Acq: 11 Oct 2022 12:03

Tgt Ion: 95 Resp: 181760
Ion Ratio Lower Upper
95 100
174 82.9 0.0 177.0
176 80.3 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY010910.D

Acq: 11 Oct 2022 12:03

Instrument :

MSVOA_Y

ClientSampleId :

D22013-9

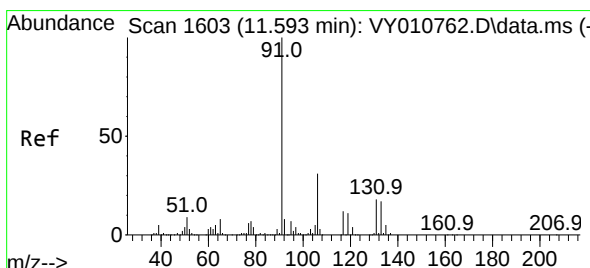
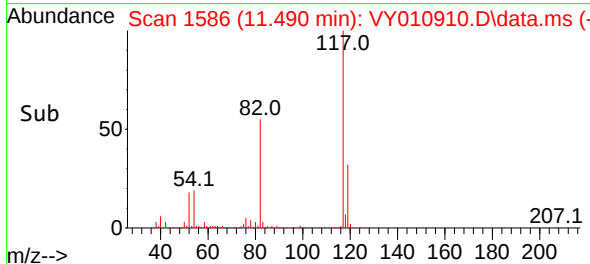
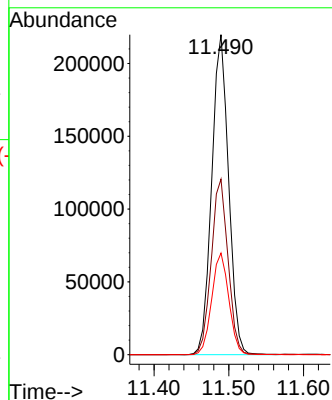
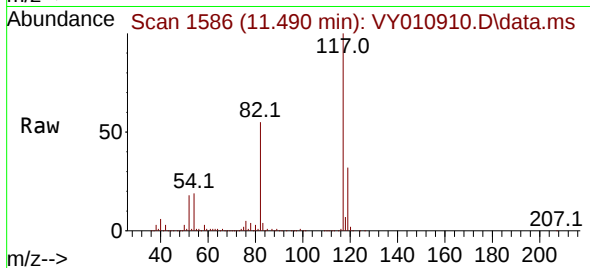
Tgt Ion:117 Resp: 344302

Ion Ratio Lower Upper

117 100

82 54.8 43.0 64.4

119 31.8 25.4 38.0



#67

Ethyl Benzene

Concen: 38.606 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VY010910.D

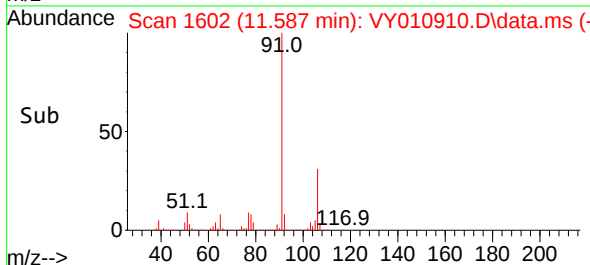
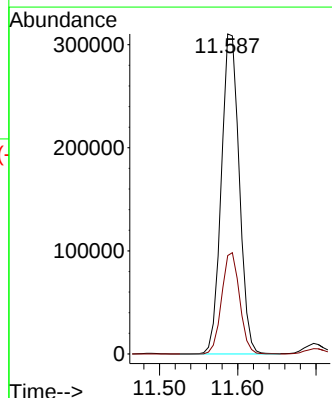
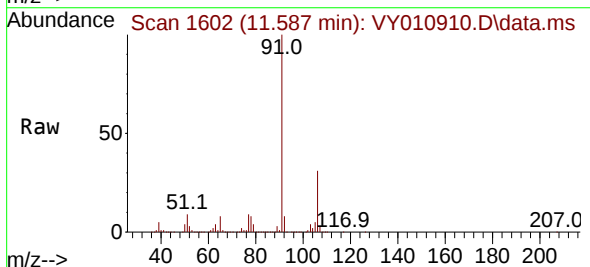
Acq: 11 Oct 2022 12:03

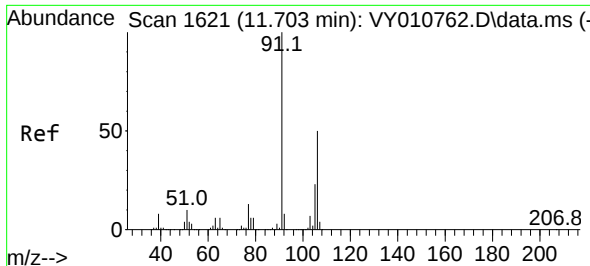
Tgt Ion: 91 Resp: 495383

Ion Ratio Lower Upper

91 100

106 30.7 24.5 36.7

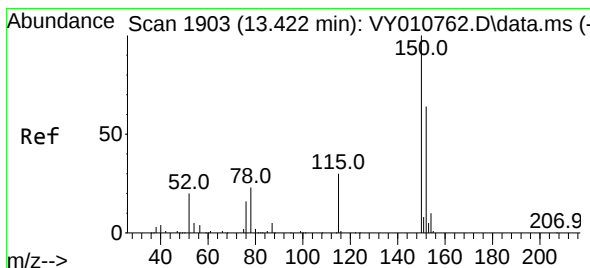
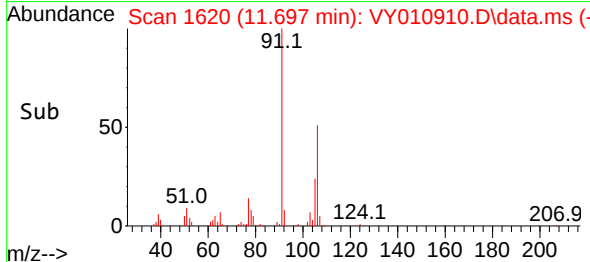
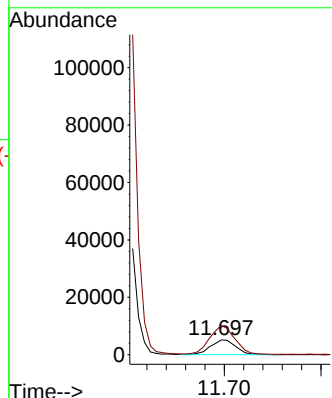
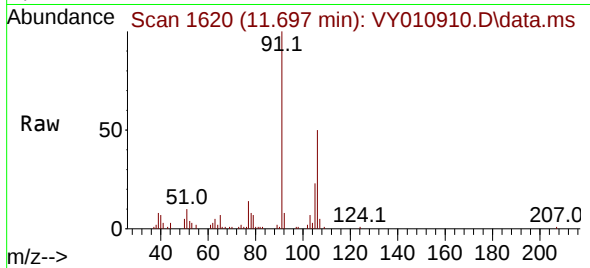




#68
m/p-Xylenes
Concen: 1.856 ug/l
RT: 11.697 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010910.D
Acq: 11 Oct 2022 12:03

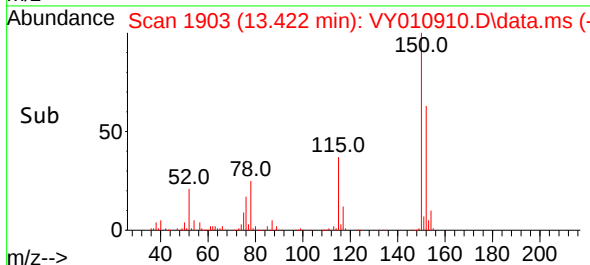
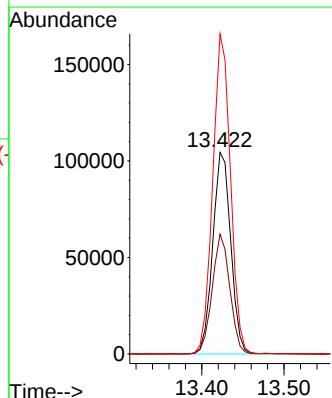
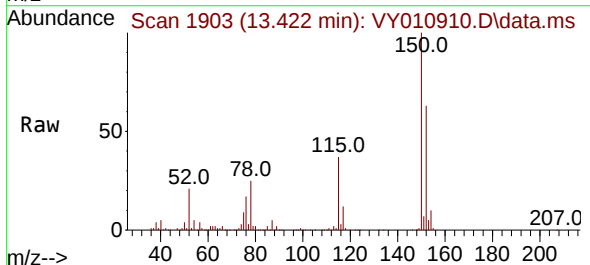
Instrument :
MSVOA_Y
ClientSampleId :
D22013-9

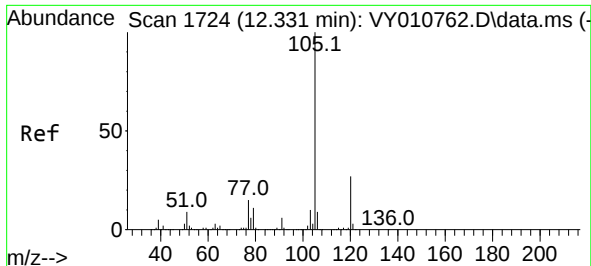
Tgt Ion:106 Resp: 9320
Ion Ratio Lower Upper
106 100
91 195.8 166.6 249.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010910.D
Acq: 11 Oct 2022 12:03

Tgt Ion:152 Resp: 158785
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 156.1 0.0 347.6

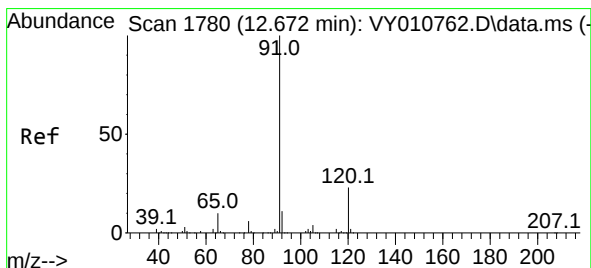
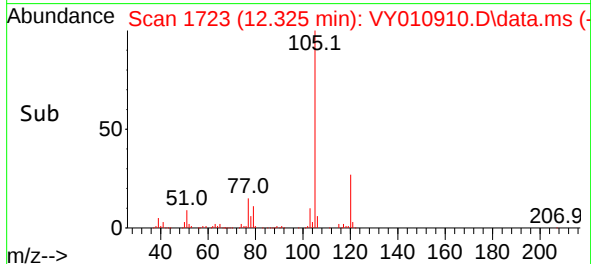
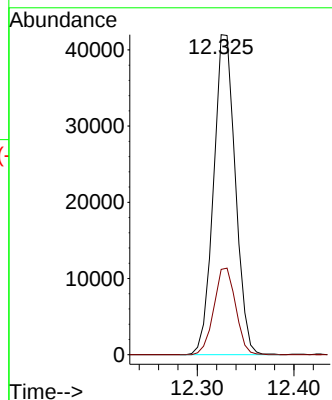
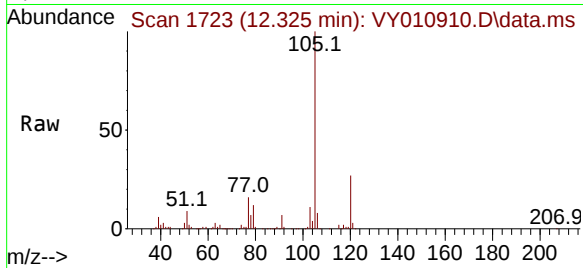




#73
Isopropylbenzene
Concen: 5.623 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.006 min
Lab File: VY010910.D
Acq: 11 Oct 2022 12:03

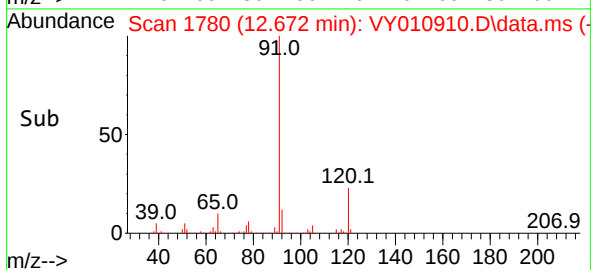
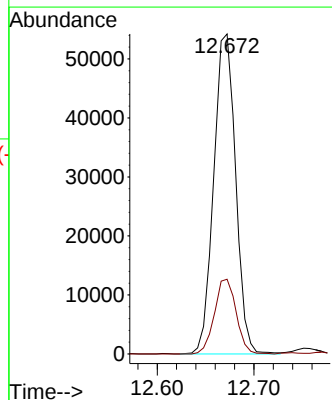
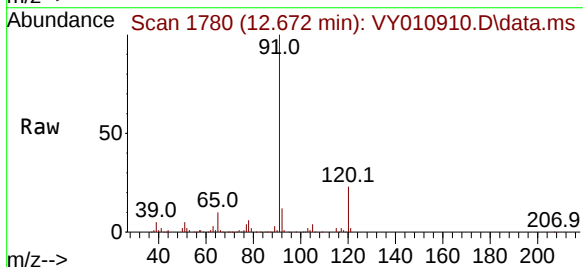
Instrument :
MSVOA_Y
ClientSampleId :
D22013-9

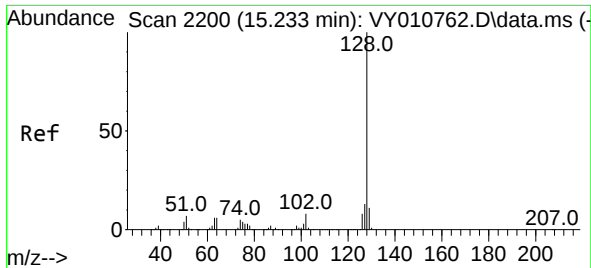
Tgt Ion:105 Resp: 65643
Ion Ratio Lower Upper
105 100
120 27.0 13.4 40.2



#78
n-propylbenzene
Concen: 6.004 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY010910.D
Acq: 11 Oct 2022 12:03

Tgt Ion: 91 Resp: 85357
Ion Ratio Lower Upper
91 100
120 23.1 11.3 33.9





#95

Naphthalene

Concen: 4.752 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY010910.D

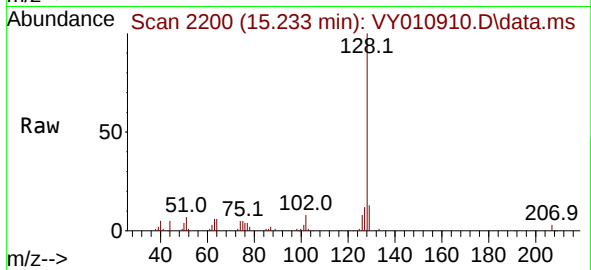
Acq: 11 Oct 2022 12:03

Instrument :

MSVOA_Y

ClientSampleId :

D22013-9



Tgt Ion:128 Resp: 25174

Ion Ratio Lower Upper

128 100

127 12.3 11.0 16.4

129 11.3 8.4 12.6

