

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014654.D
 Acq On : 14 Jul 2023 17:51
 Operator : SY/MD
 Sample : 03632-04
 Misc : 7.43g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-(9-11)

Quant Time: Jul 14 23:14:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

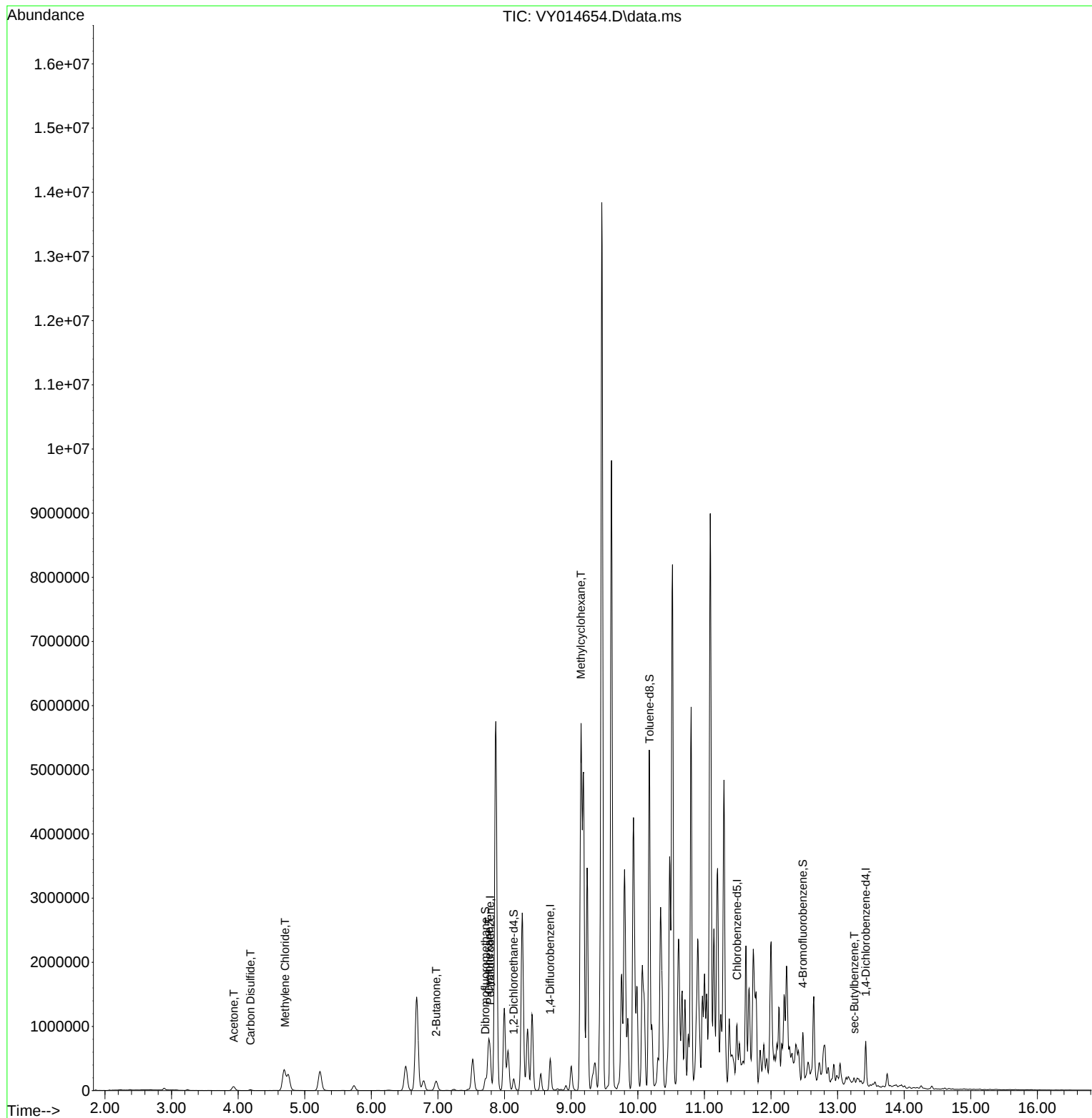
Internal Standards						
1) Pentafluorobenzene	7.783	168	236013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	400949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	368726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	177796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	136410	50.720	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.440%	
35) Dibromofluoromethane	7.710	113	126519	49.570	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.140%	
50) Toluene-d8	10.179	98	617295	65.600	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 131.200%	
62) 4-Bromofluorobenzene	12.477	95	218484	60.553	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 121.100%	
Target Compounds						
					Qvalue	
16) Acetone	3.936	43	55333	64.925	ug/l #	79
17) Carbon Disulfide	4.186	76	24826	3.731	ug/l	100
20) Methylene Chloride	4.704	84	27066	6.065	ug/l #	74
25) 2-Butanone	6.972	43	75599	60.632	ug/l #	55
31) Cyclohexane	7.765	56	196848	44.092	ug/l #	69
39) Methylcyclohexane	9.149	83	1940518	390.229	ug/l #	40
85) sec-Butylbenzene	13.251	105	22900	1.514	ug/l #	75

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

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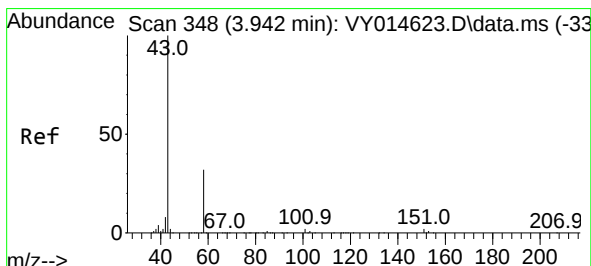
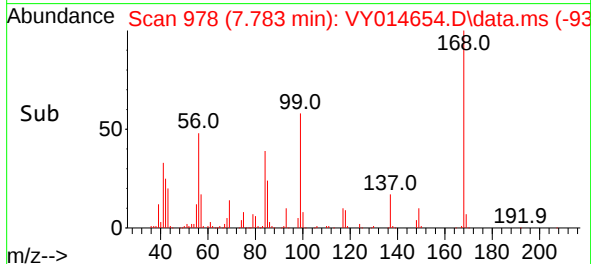
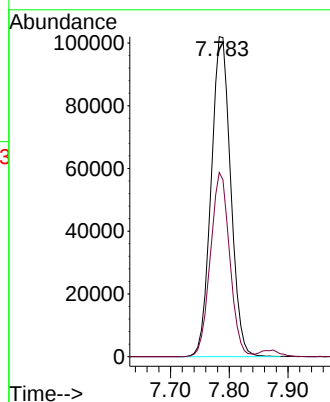
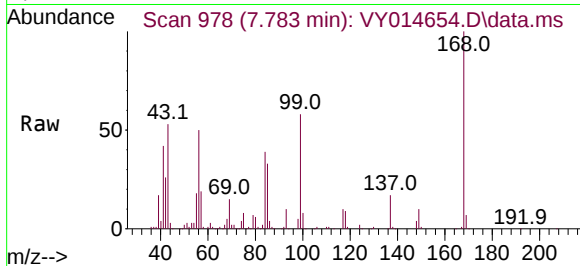




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014654.D
Acq: 14 Jul 2023 17:51

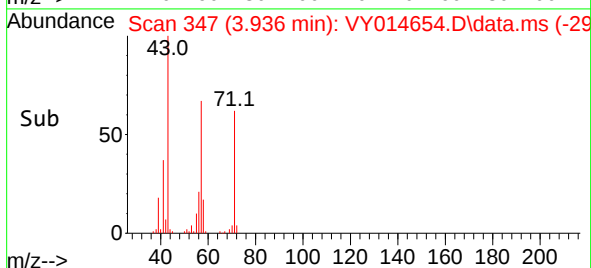
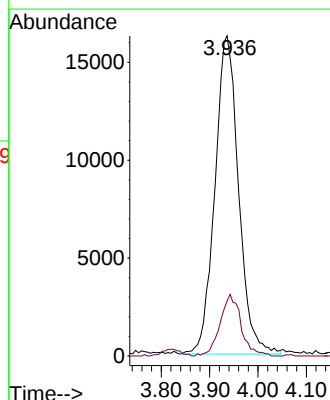
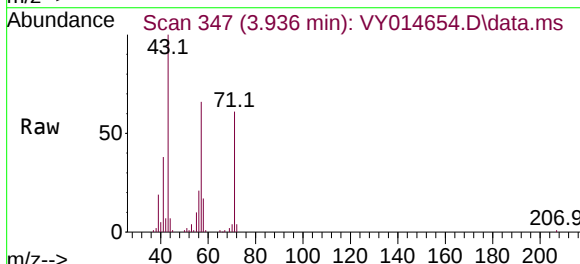
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-(9-11)

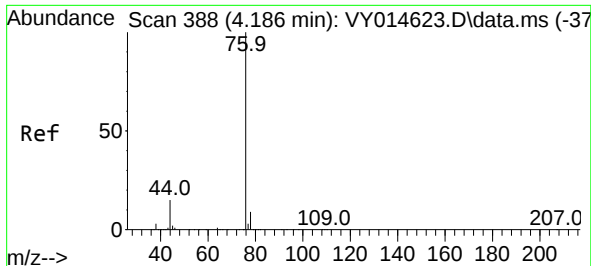
Tgt Ion:168 Resp: 236013
Ion Ratio Lower Upper
168 100
99 57.6 43.4 65.0



#16
Acetone
Concen: 64.925 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY014654.D
Acq: 14 Jul 2023 17:51

Tgt Ion: 43 Resp: 55333
Ion Ratio Lower Upper
43 100
58 17.2 22.7 34.1#

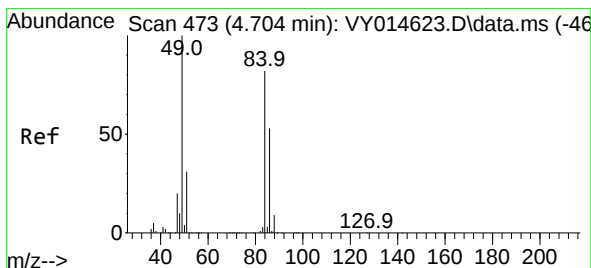
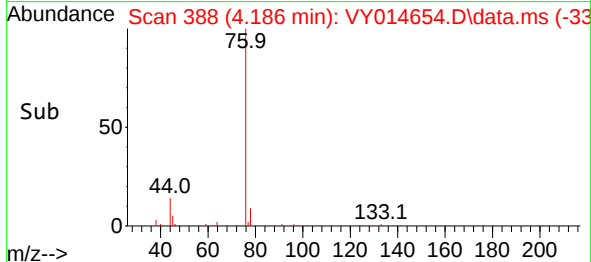
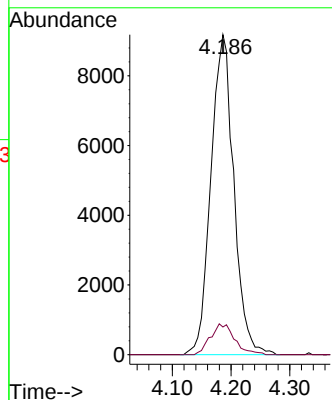
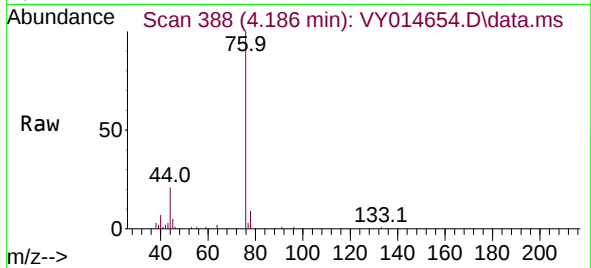




#17
Carbon Disulfide
Concen: 3.731 ug/l
RT: 4.186 min Scan# 388
Delta R.T. 0.000 min
Lab File: VY014654.D
Acq: 14 Jul 2023 17:51

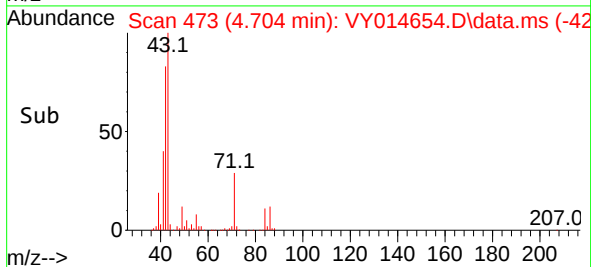
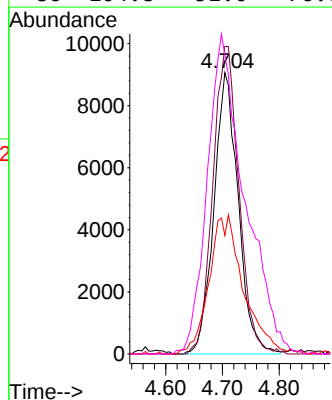
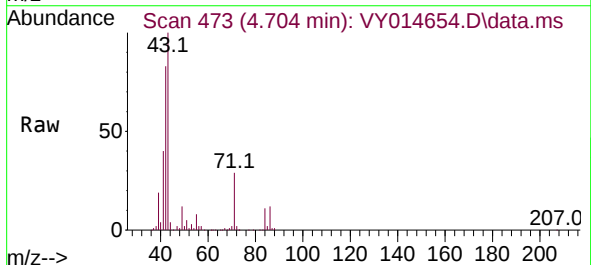
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-(9-11)

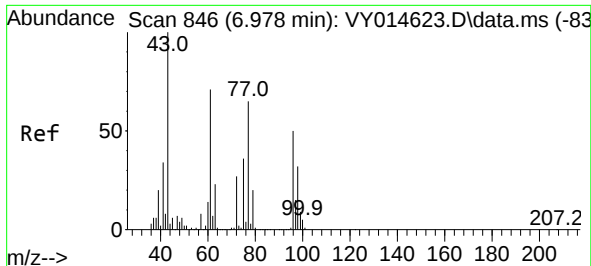
Tgt Ion: 76 Resp: 24826
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#20
Methylene Chloride
Concen: 6.065 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY014654.D
Acq: 14 Jul 2023 17:51

Tgt Ion: 84 Resp: 27066
Ion Ratio Lower Upper
84 100
49 109.3 106.9 160.3
51 41.1 33.2 49.8
86 104.8 51.0 76.6#

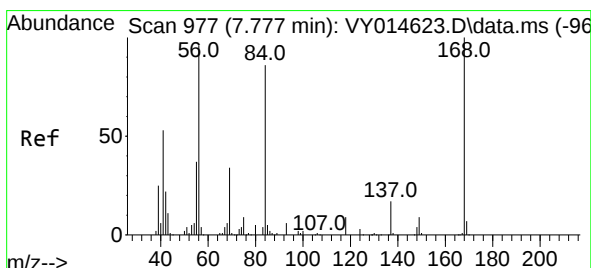
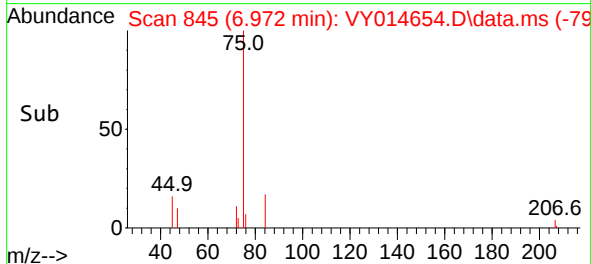
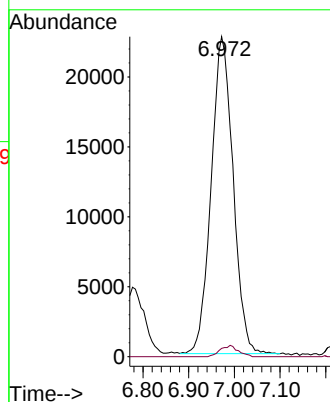
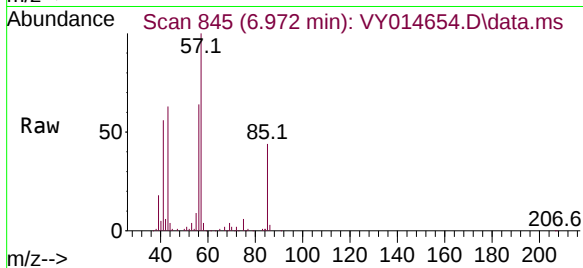




#25
2-Butanone
Concen: 60.632 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014654.D
Acq: 14 Jul 2023 17:51

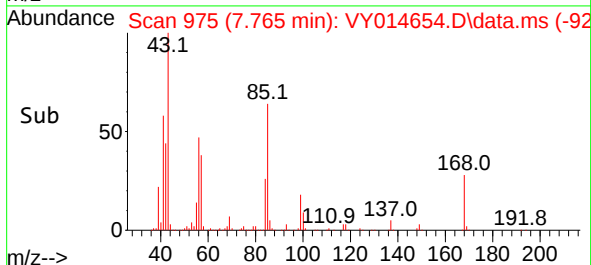
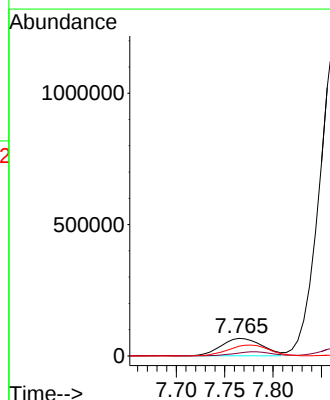
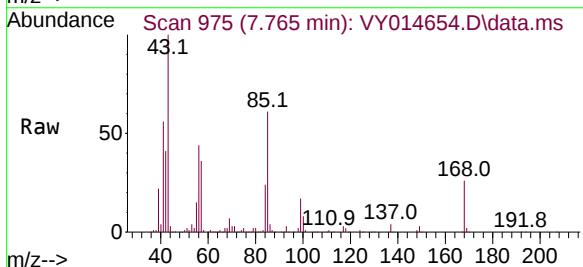
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-(9-11)

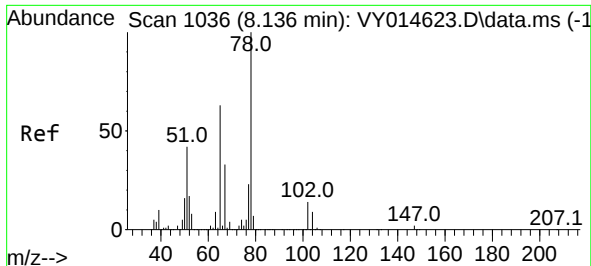
Tgt Ion: 43 Resp: 75599
Ion Ratio Lower Upper
43 100
72 2.6 20.5 30.7#



#31
Cyclohexane
Concen: 44.092 ug/l
RT: 7.765 min Scan# 975
Delta R.T. -0.012 min
Lab File: VY014654.D
Acq: 14 Jul 2023 17:51

Tgt Ion: 56 Resp: 196848
Ion Ratio Lower Upper
56 100
69 15.7 27.8 41.6#
84 55.6 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 50.720 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY014654.D

Acq: 14 Jul 2023 17:51

Instrument :

MSVOA_Y

ClientSampleId :

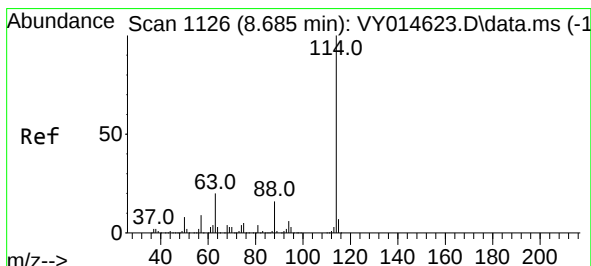
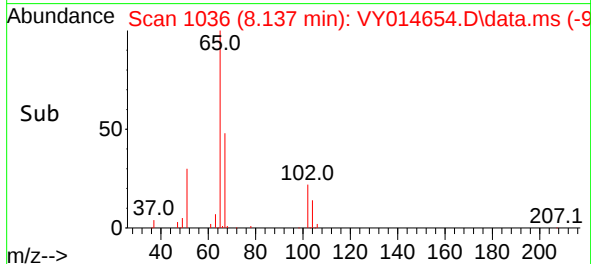
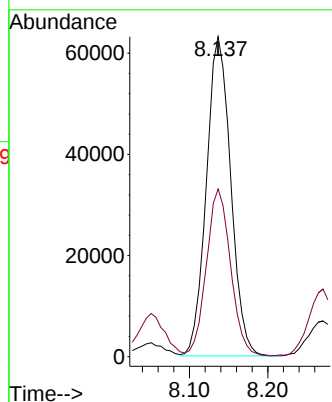
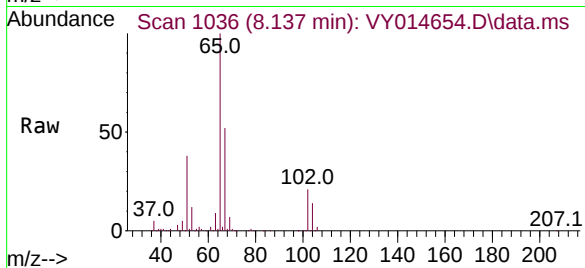
SB-04-(9-11)

Tgt Ion: 65 Resp: 136410

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014654.D

Acq: 14 Jul 2023 17:51

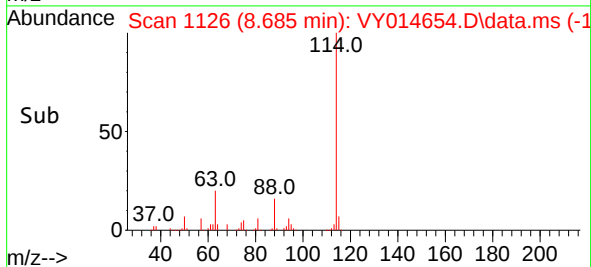
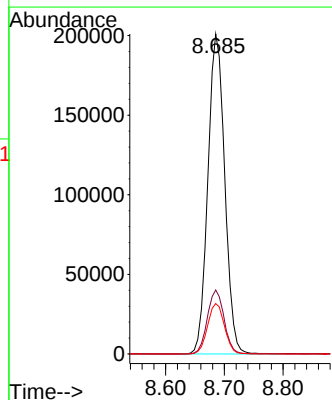
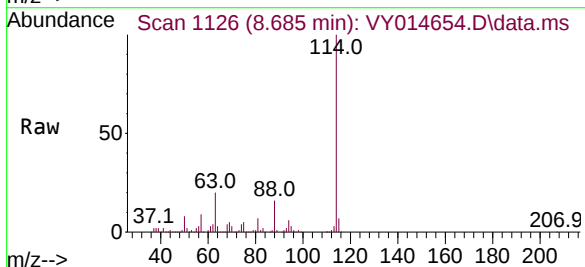
Tgt Ion: 114 Resp: 400949

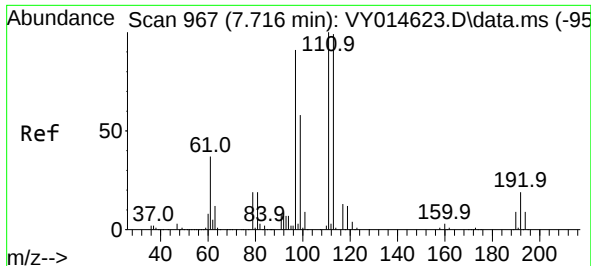
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 15.7 0.0 30.6

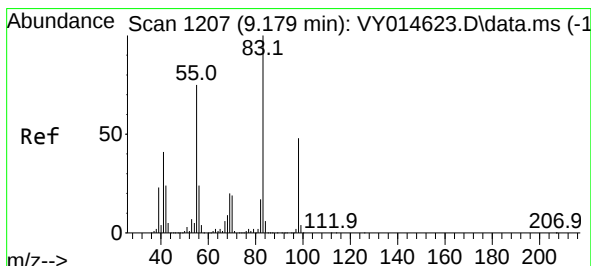
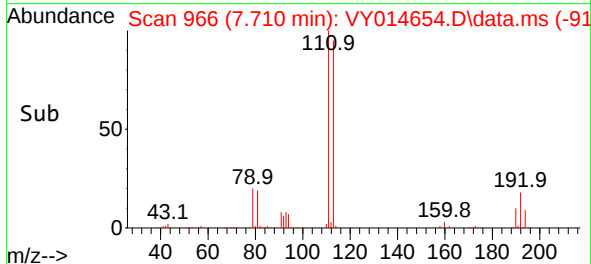
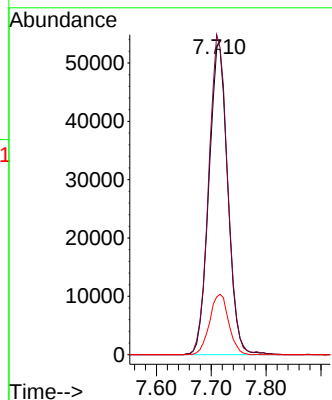
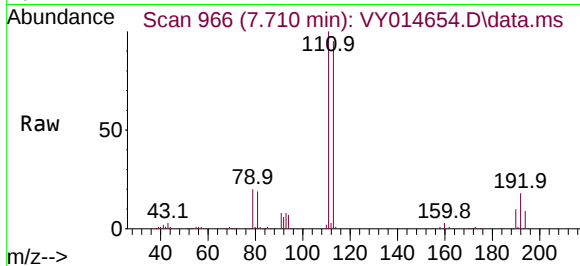




#35
Dibromofluoromethane
Concen: 49.570 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014654.D
Acq: 14 Jul 2023 17:51

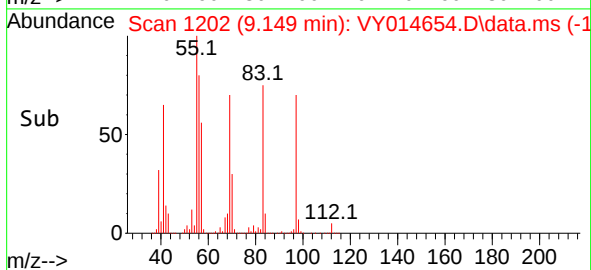
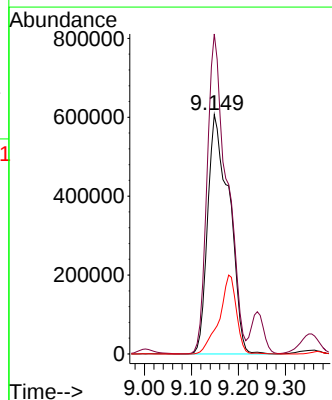
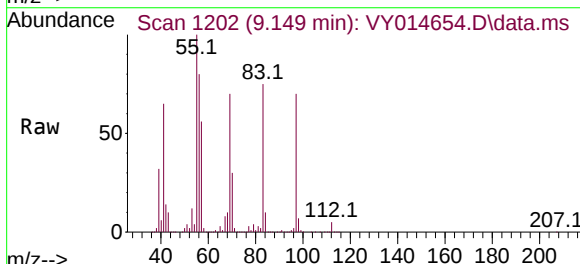
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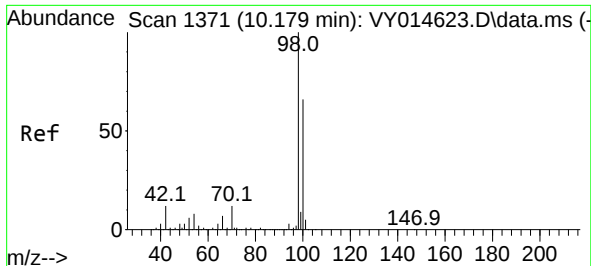
Tgt Ion:113 Resp: 126519
Ion Ratio Lower Upper
113 100
111 103.7 81.3 121.9
192 19.7 16.9 25.3



#39
Methylcyclohexane
Concen: 390.229 ug/l
RT: 9.149 min Scan# 1202
Delta R.T. -0.030 min
Lab File: VY014654.D
Acq: 14 Jul 2023 17:51

Tgt Ion: 83 Resp: 1940518
Ion Ratio Lower Upper
83 100
55 133.6 63.0 94.4#
98 10.0 37.4 56.2#

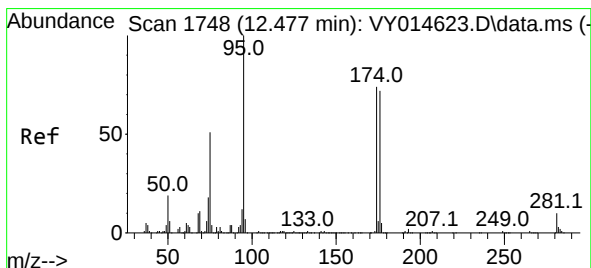
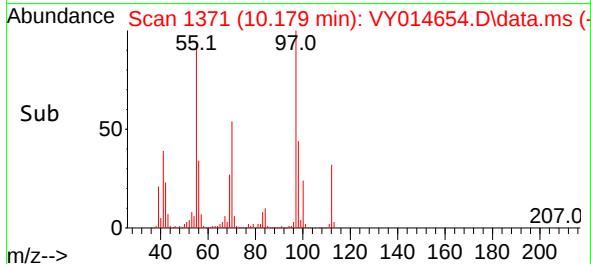
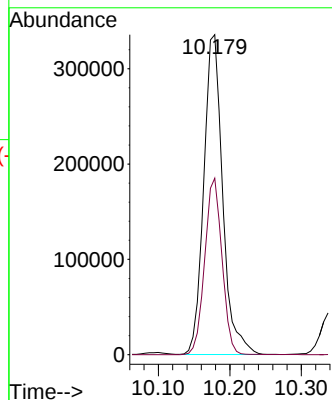
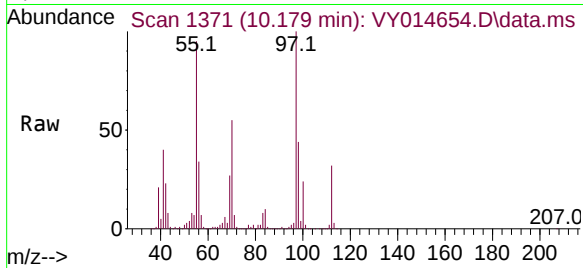




#50
Toluene-d8
Concen: 65.600 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014654.D
Acq: 14 Jul 2023 17:51

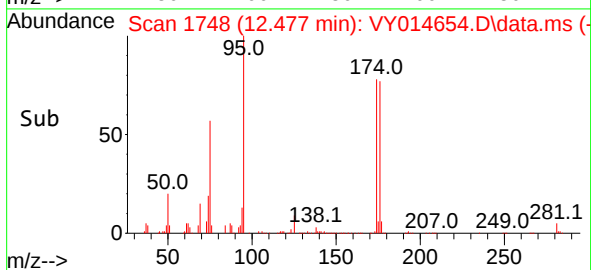
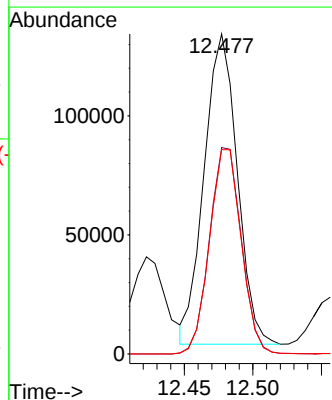
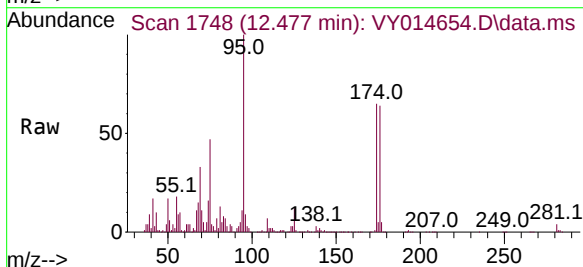
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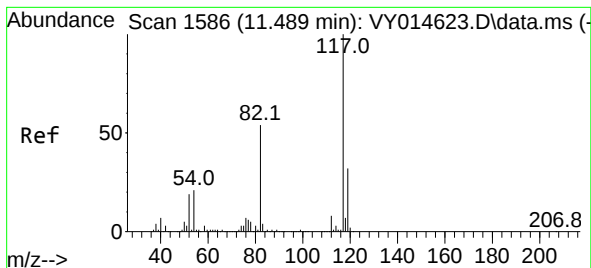
Tgt Ion: 98 Resp: 617295
Ion Ratio Lower Upper
98 100
100 50.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 60.553 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014654.D
Acq: 14 Jul 2023 17:51

Tgt Ion: 95 Resp: 218484
Ion Ratio Lower Upper
95 100
174 64.2 0.0 178.2
176 63.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014654.D

Acq: 14 Jul 2023 17:51

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-(9-11)

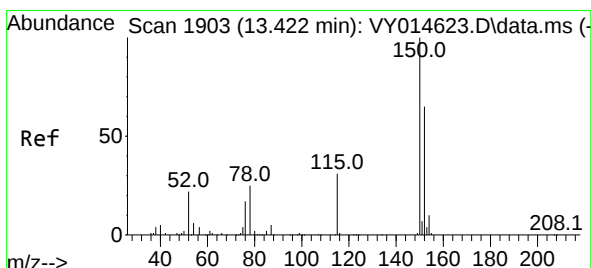
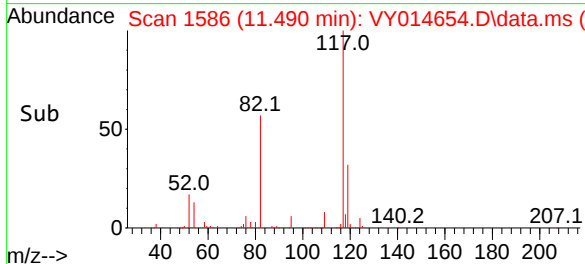
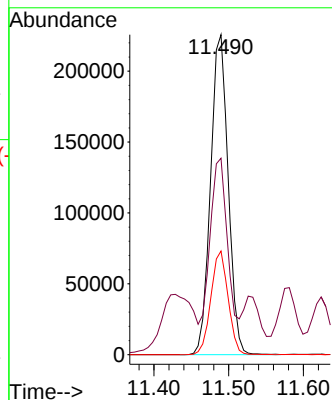
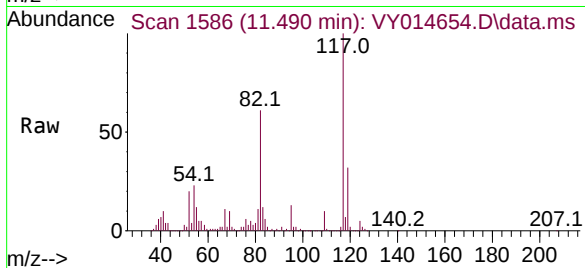
Tgt Ion:117 Resp: 368726

Ion Ratio Lower Upper

117 100

82 46.6 43.4 65.0

119 32.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014654.D

Acq: 14 Jul 2023 17:51

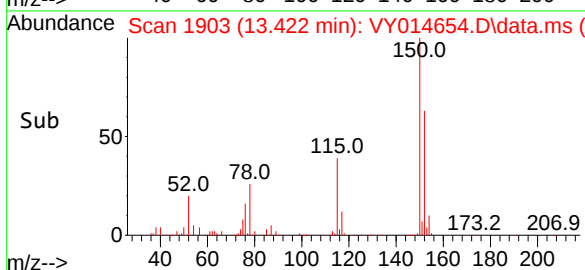
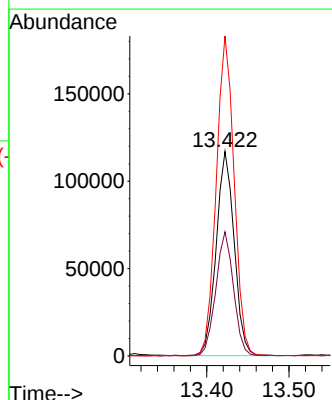
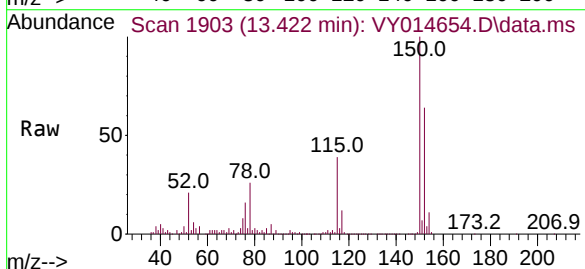
Tgt Ion:152 Resp: 177796

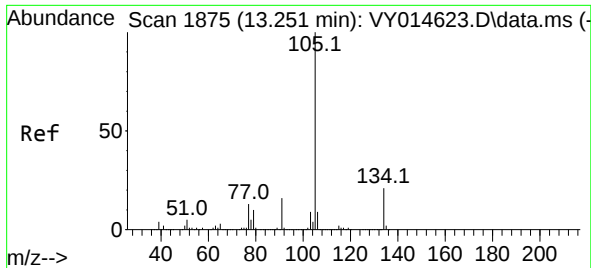
Ion Ratio Lower Upper

152 100

115 59.5 28.8 86.5

150 155.8 0.0 348.8





#85
 sec-Butylbenzene
 Concen: 1.514 ug/l
 RT: 13.251 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY014654.D
 Acq: 14 Jul 2023 17:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-(9-11)

Tgt Ion:105 Resp: 22900
 Ion Ratio Lower Upper
 105 100
 134 31.8 10.2 30.6#

