

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091024\
 Data File : VY019493.D
 Acq On : 10 Sep 2024 17:21
 Operator : SY/MD
 Sample : P3911-05
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-3

Quant Time: Sep 11 01:51:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

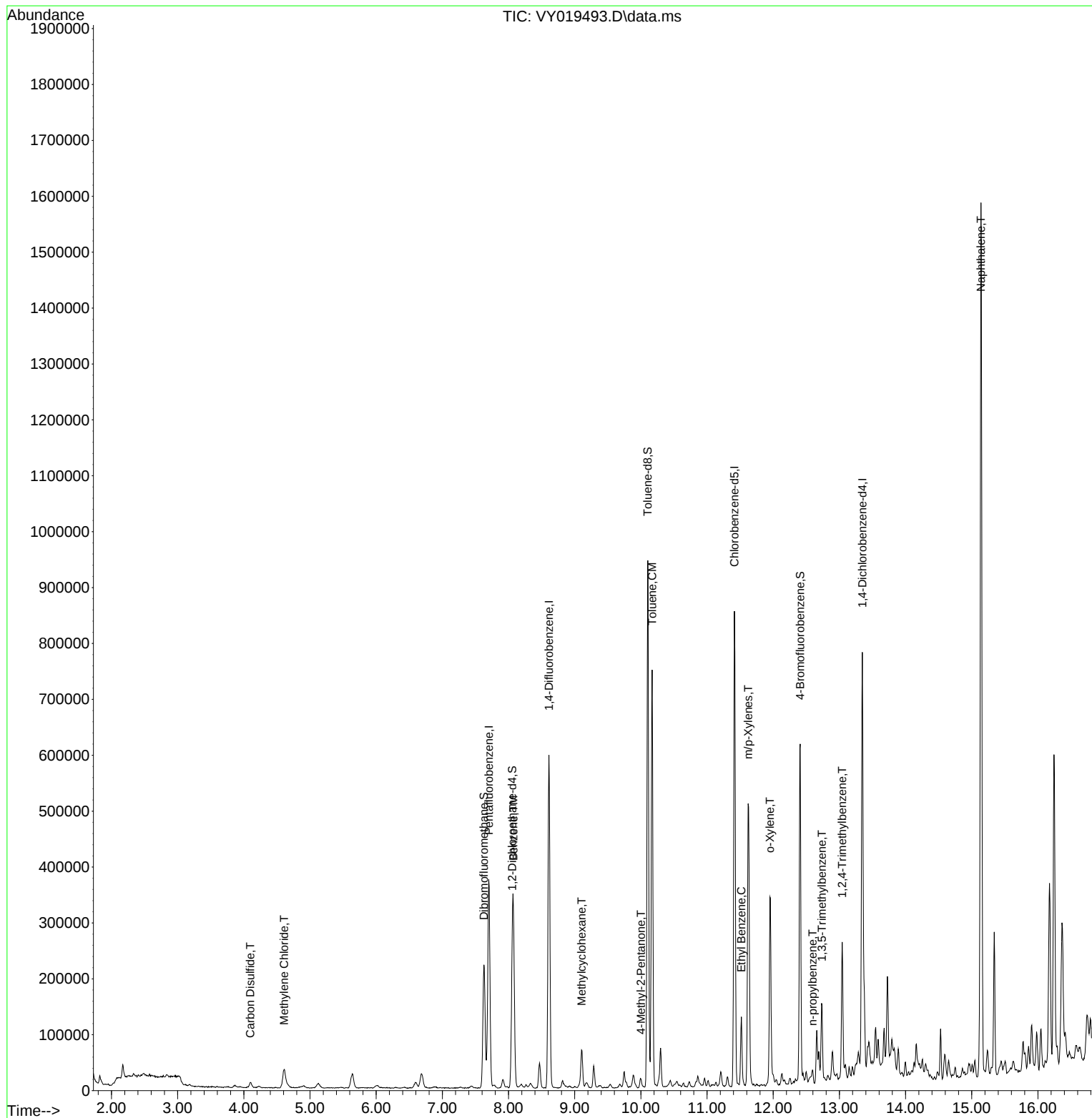
Internal Standards						
1) Pentafluorobenzene	7.701	168	260738	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	500854	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	437171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	167210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	156447	64.798	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.600%	
35) Dibromofluoromethane	7.628	113	158669	55.874	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.740%	
50) Toluene-d8	10.103	98	592237	56.384	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.760%	
62) 4-Bromofluorobenzene	12.408	95	196653	48.692	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 97.380%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.098	76	18103	2.896	ug/l	97
20) Methylene Chloride	4.610	84	22979	8.760	ug/l	# 88
39) Methylcyclohexane	9.103	83	27425	5.333	ug/l	94
40) Benzene	8.073	78	221841	18.640	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	10937	5.226	ug/l	95
52) Toluene	10.170	92	298978	39.060	ug/l	100
67) Ethyl Benzene	11.517	91	80940	5.297	ug/l	99
68) m/p-Xylenes	11.621	106	148440	25.692	ug/l	93
69) o-Xylene	11.950	106	84086	14.882	ug/l	89
78) n-propylbenzene	12.597	91	17039	1.185	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	49322	5.001	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	126126	12.920	ug/l	96
95) Naphthalene	15.139	128	1222017	215.069	ug/l	99

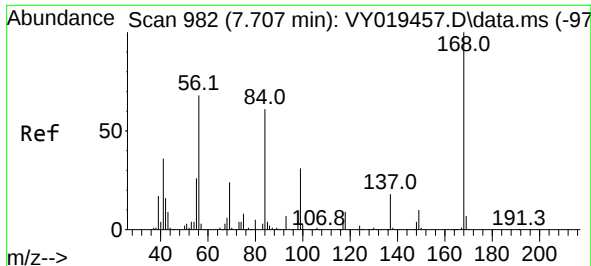
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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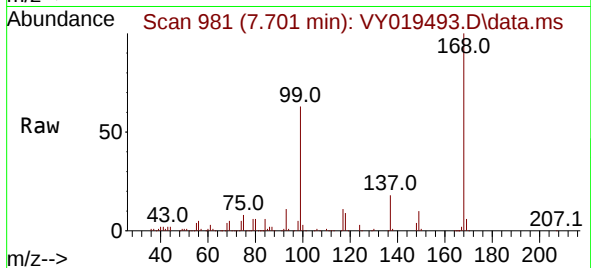
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration



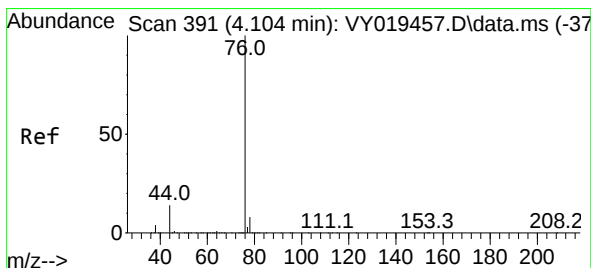
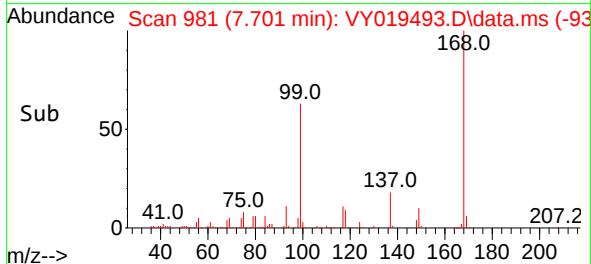
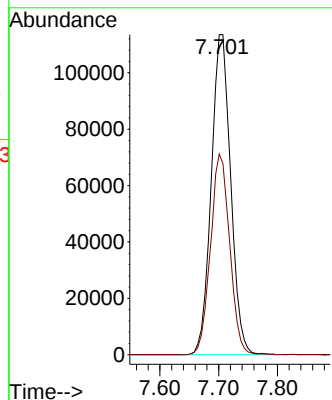


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :
SP-3

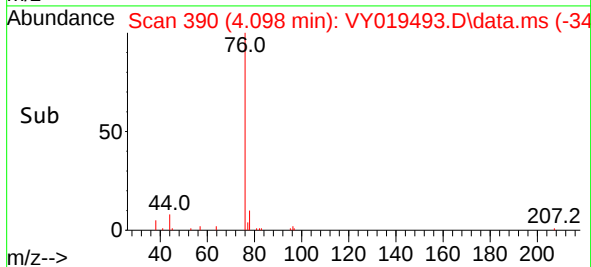
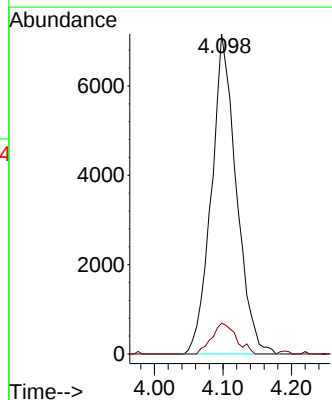
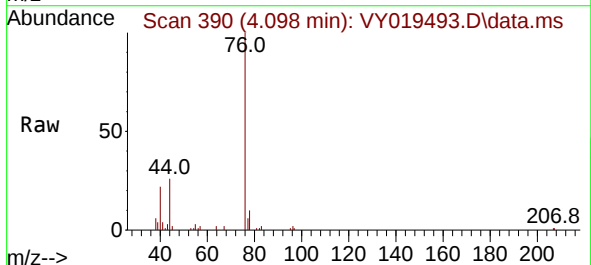


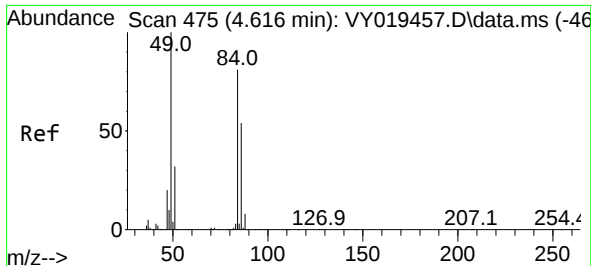
Tgt Ion:168 Resp: 260738
Ion Ratio Lower Upper
168 100
99 62.7 39.1 58.7#



#17
Carbon Disulfide
Concen: 2.896 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion: 76 Resp: 18103
Ion Ratio Lower Upper
76 100
78 9.6 6.8 10.2

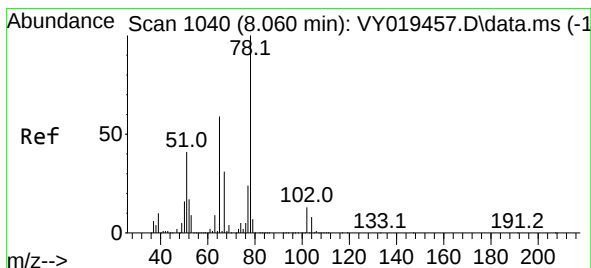
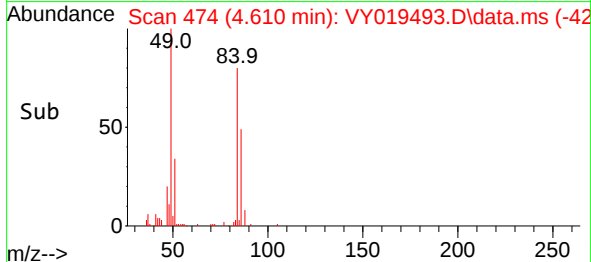
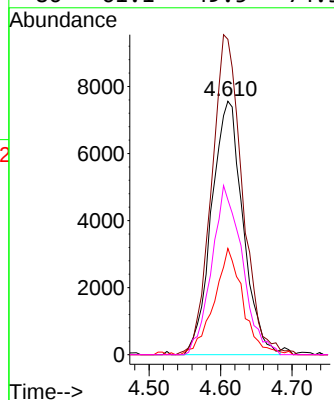
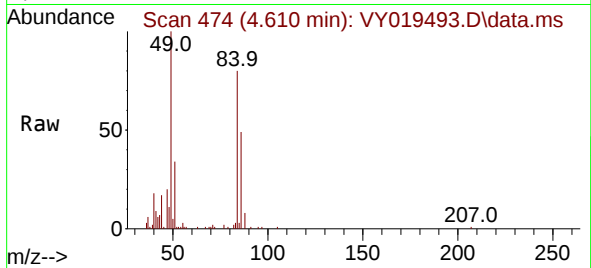




#20
Methylene Chloride
Concen: 8.760 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

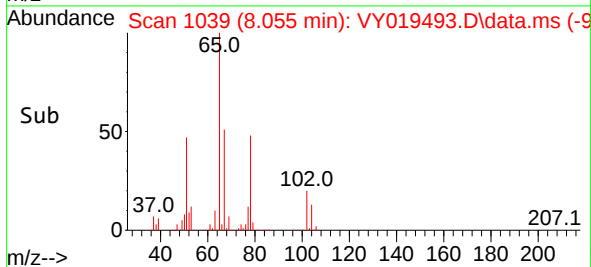
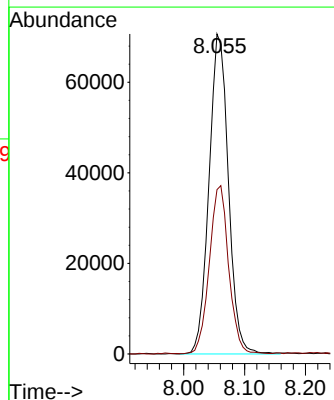
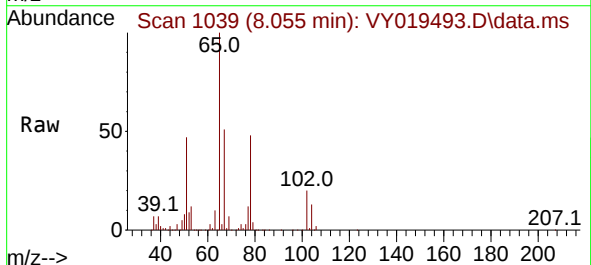
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

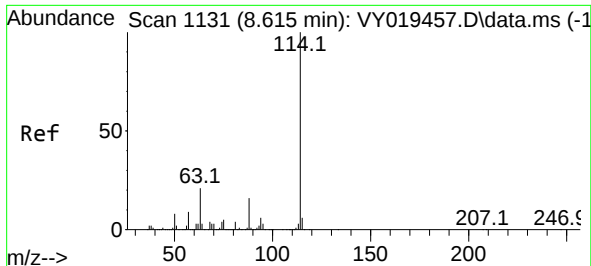
Tgt Ion: 84 Resp: 22979
Ion Ratio Lower Upper
84 100
49 123.6 84.4 126.6
51 42.0 26.0 39.0#
86 61.1 49.5 74.3



#33
1,2-Dichloroethane-d4
Concen: 64.798 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion: 65 Resp: 156447
Ion Ratio Lower Upper
65 100
67 52.2 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY019493.D

Acq: 10 Sep 2024 17:21

Instrument :

MSVOA_Y

ClientSampleId :

SP-3

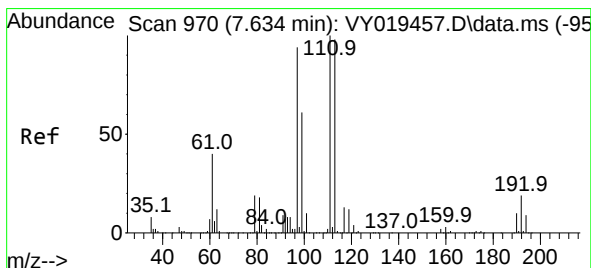
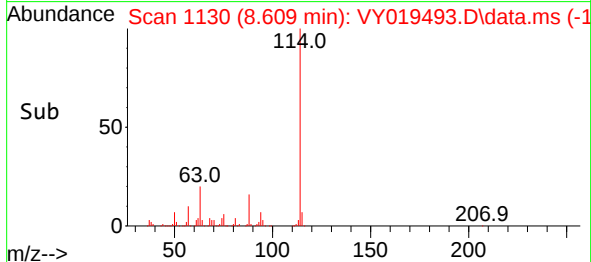
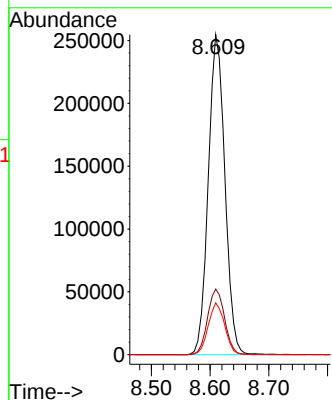
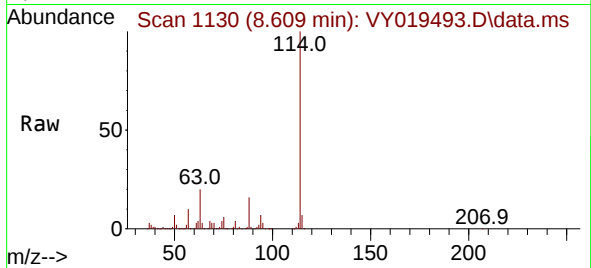
Tgt Ion:114 Resp: 500854

Ion Ratio Lower Upper

114 100

63 20.5 0.0 35.0

88 16.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 55.874 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY019493.D

Acq: 10 Sep 2024 17:21

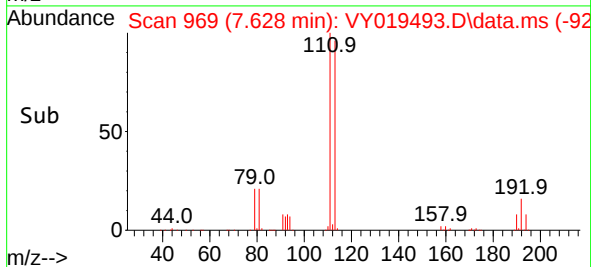
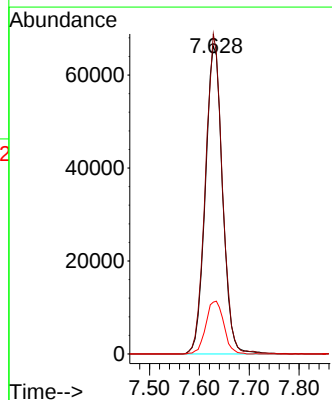
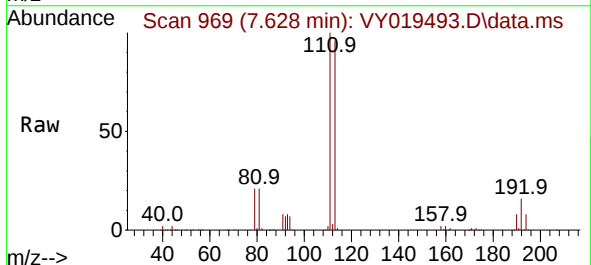
Tgt Ion:113 Resp: 158669

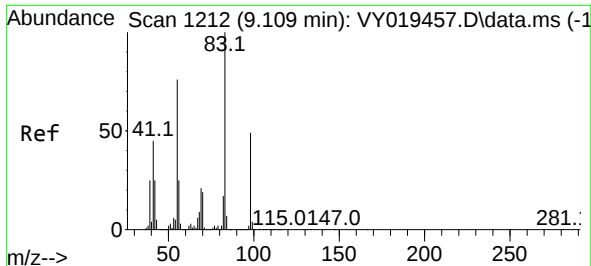
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 17.9 15.9 23.9





#39

Methylcyclohexane

Concen: 5.333 ug/l

RT: 9.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019493.D

Acq: 10 Sep 2024 17:21

Instrument :

MSVOA_Y

ClientSampleId :

SP-3

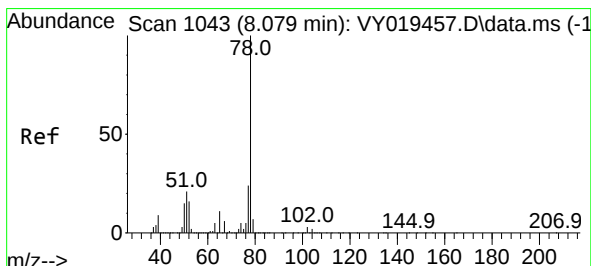
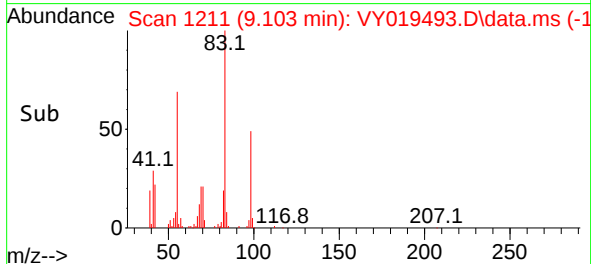
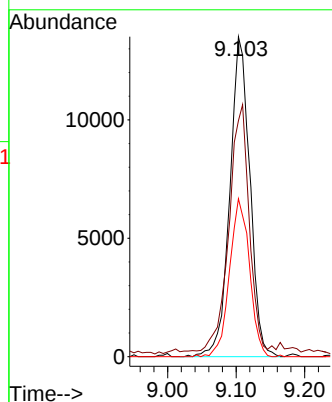
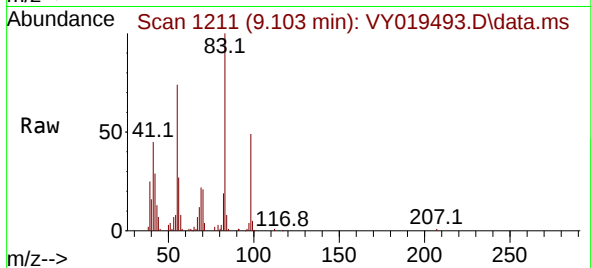
Tgt Ion: 83 Resp: 27425

Ion Ratio Lower Upper

83 100

55 72.2 51.5 77.3

98 49.3 40.5 60.7



#40

Benzene

Concen: 18.640 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VY019493.D

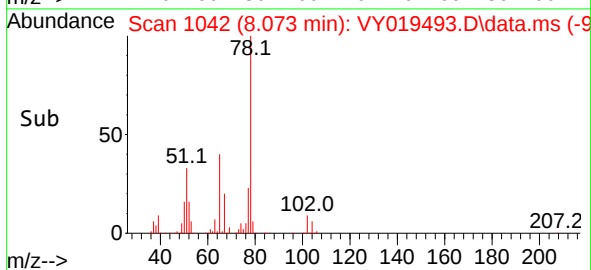
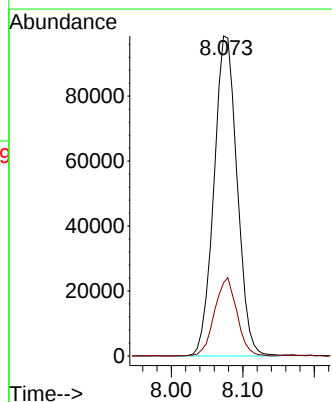
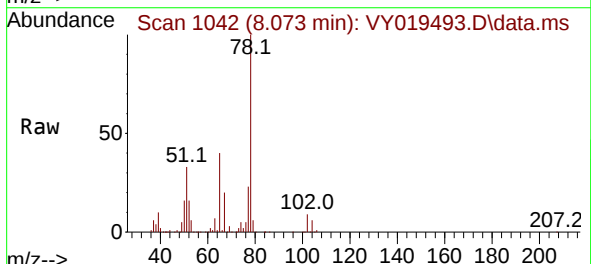
Acq: 10 Sep 2024 17:21

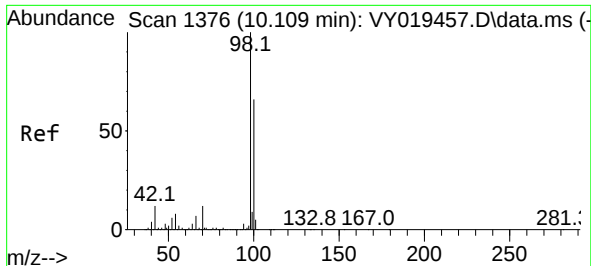
Tgt Ion: 78 Resp: 221841

Ion Ratio Lower Upper

78 100

77 22.8 19.5 29.3

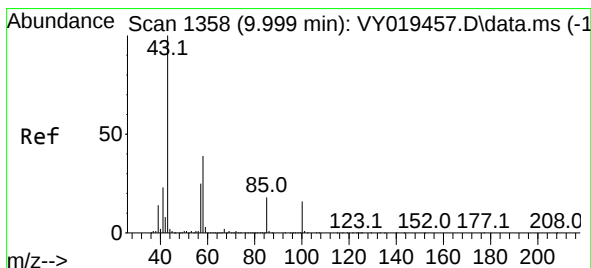
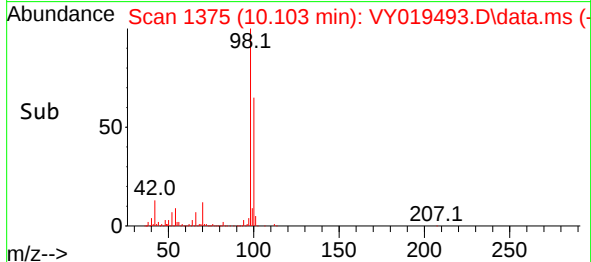
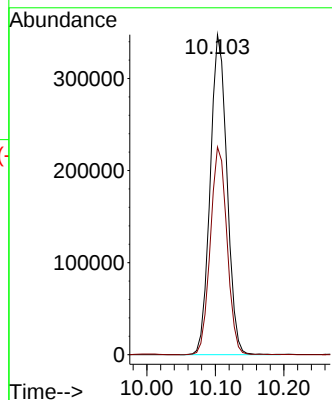
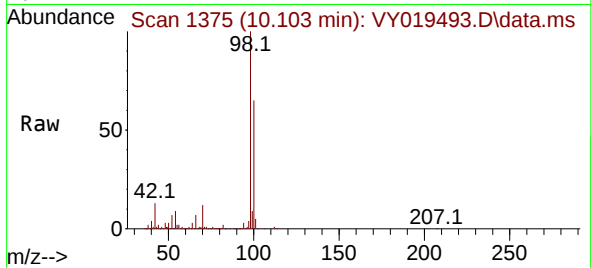




#50
Toluene-d8
Concen: 56.384 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

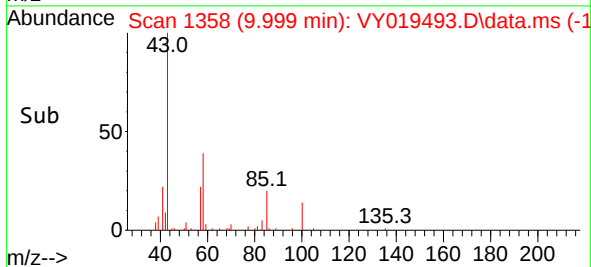
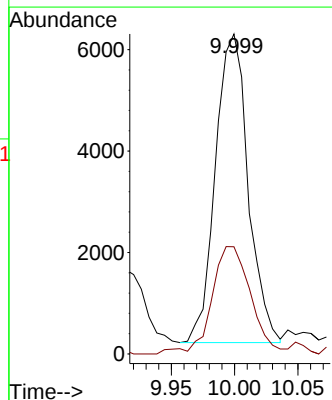
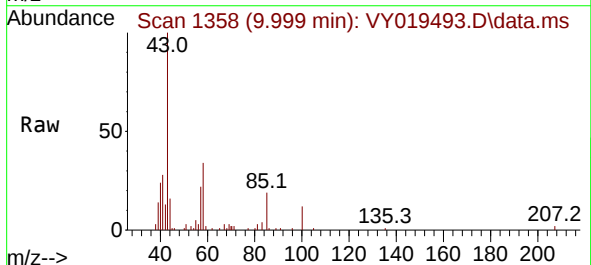
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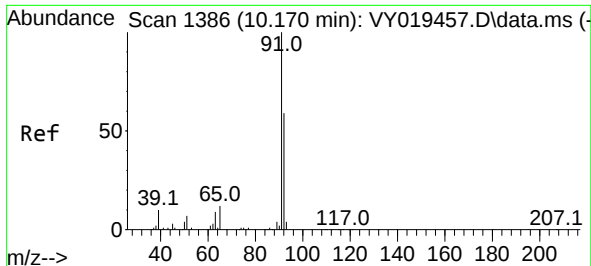
Tgt Ion: 98 Resp: 592237
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 5.226 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion: 43 Resp: 10937
Ion Ratio Lower Upper
43 100
58 41.6 35.7 53.5

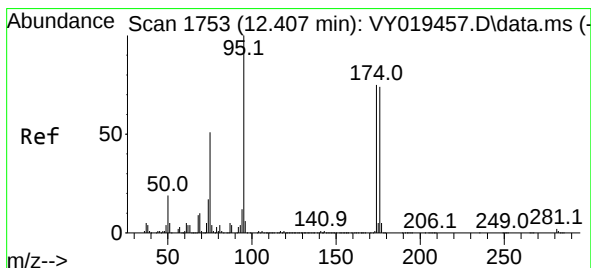
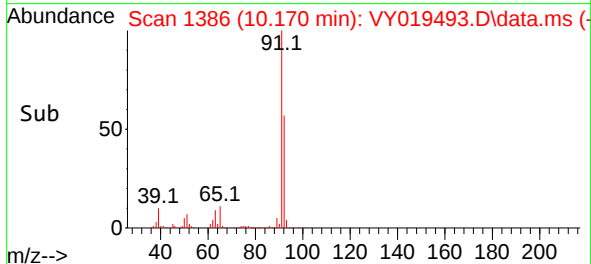
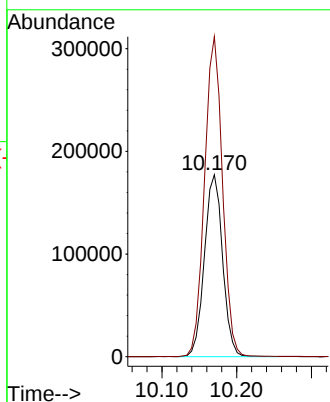
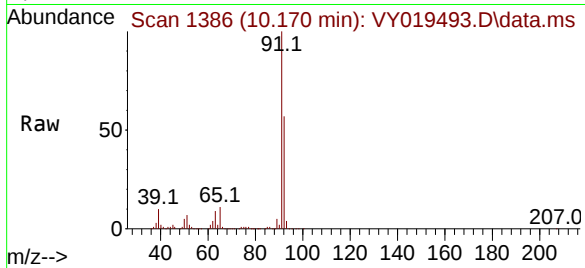




#52
Toluene
Concen: 39.060 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

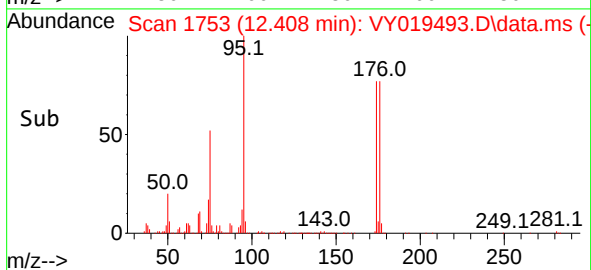
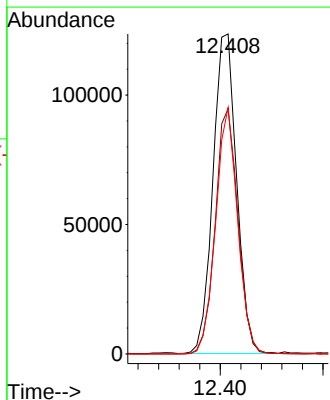
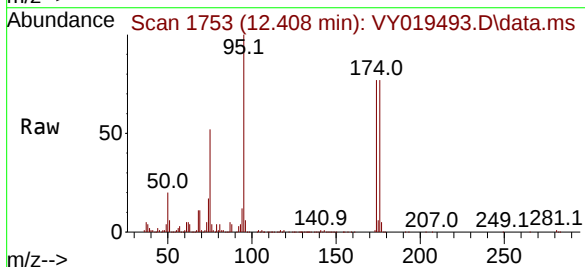
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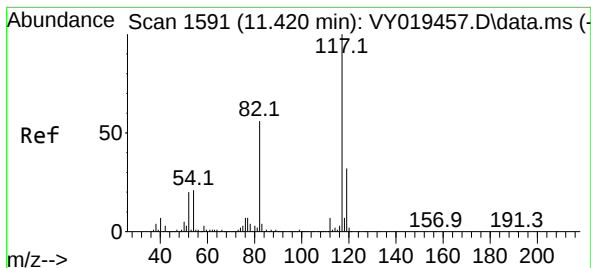
Tgt Ion: 92 Resp: 298978
Ion Ratio Lower Upper
92 100
91 174.1 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 48.692 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion: 95 Resp: 196653
Ion Ratio Lower Upper
95 100
174 74.1 0.0 175.6
176 71.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019493.D

Acq: 10 Sep 2024 17:21

Instrument :

MSVOA_Y

ClientSampleId :

SP-3

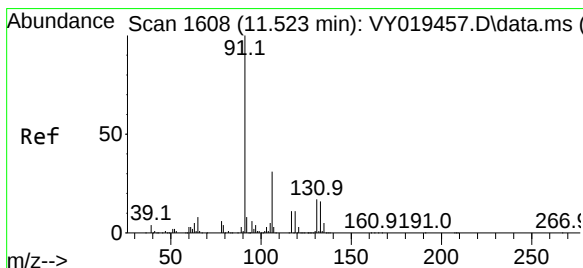
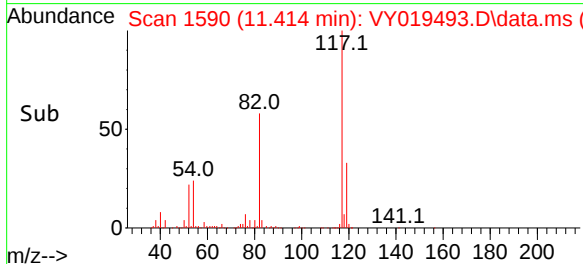
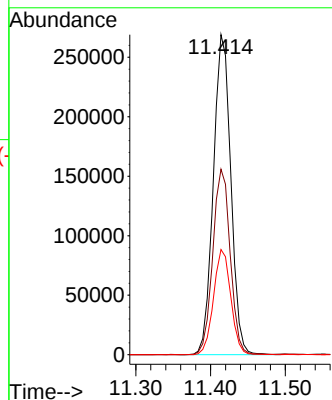
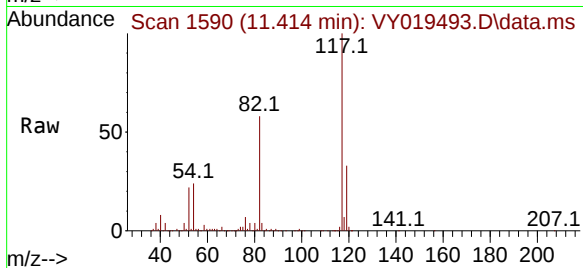
Tgt Ion:117 Resp: 437171

Ion Ratio Lower Upper

117 100

82 57.9 42.4 63.6

119 32.9 25.9 38.9



#67

Ethyl Benzene

Concen: 5.297 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY019493.D

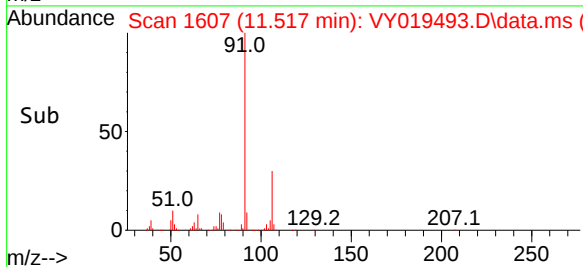
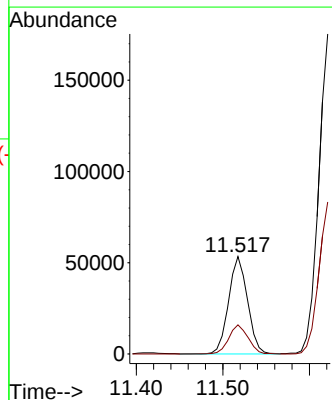
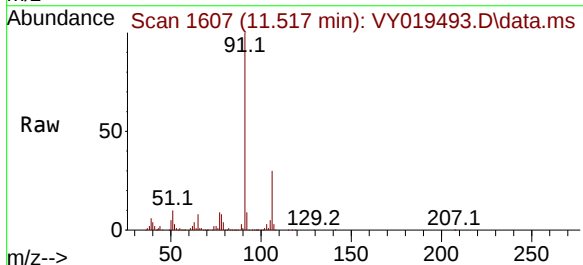
Acq: 10 Sep 2024 17:21

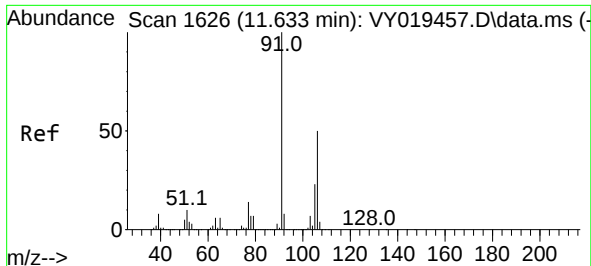
Tgt Ion: 91 Resp: 80940

Ion Ratio Lower Upper

91 100

106 29.9 24.5 36.7

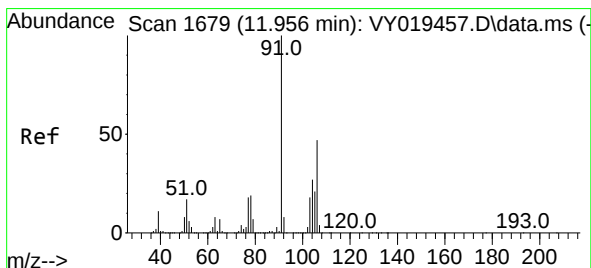
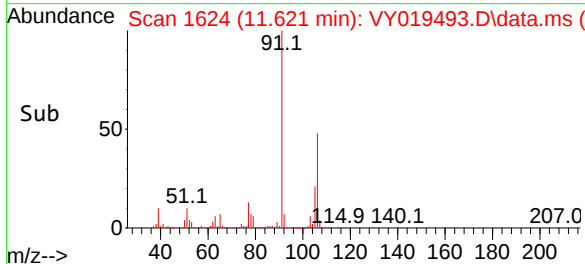
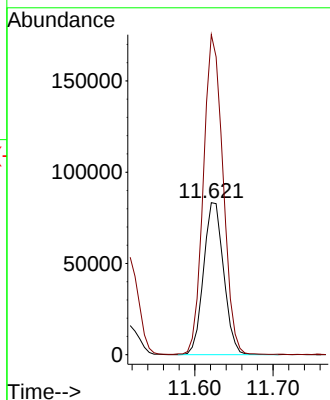
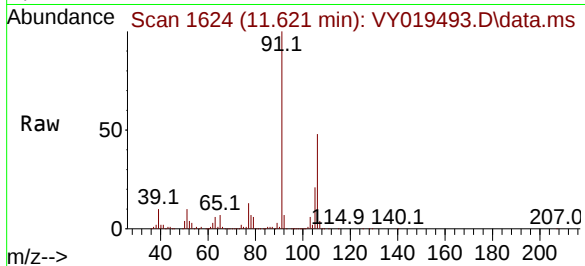




#68
m/p-Xylenes
Concen: 25.692 ug/l
RT: 11.621 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

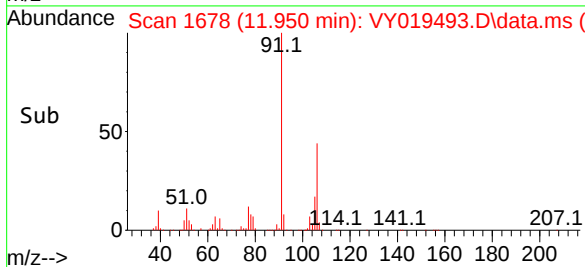
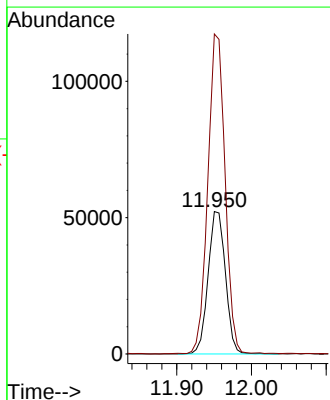
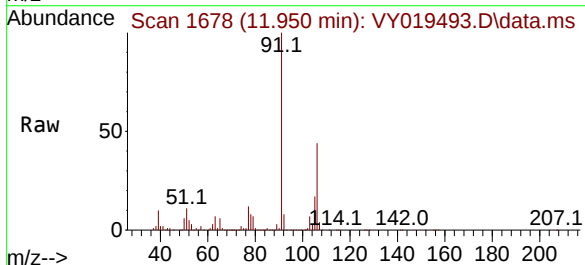
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

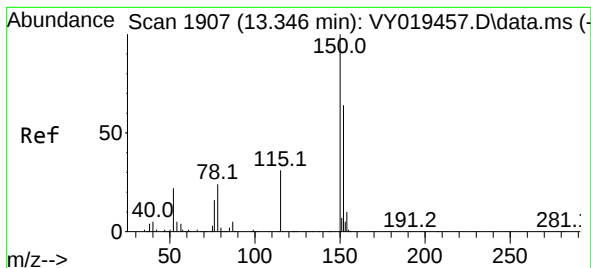
Tgt Ion:106 Resp: 148440
Ion Ratio Lower Upper
106 100
91 205.1 156.0 234.0



#69
o-Xylene
Concen: 14.882 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion:106 Resp: 84086
Ion Ratio Lower Upper
106 100
91 224.6 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019493.D

Acq: 10 Sep 2024 17:21

Instrument :

MSVOA_Y

ClientSampleId :

SP-3

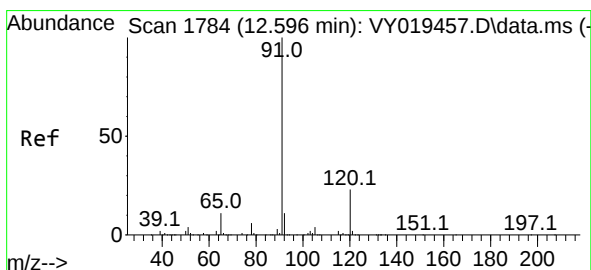
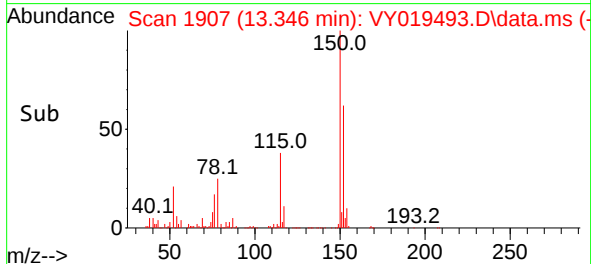
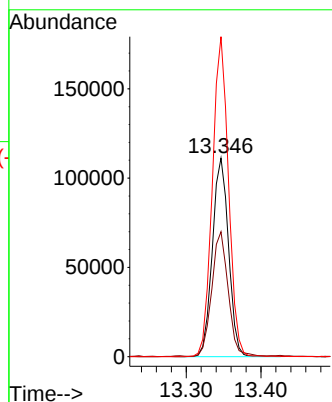
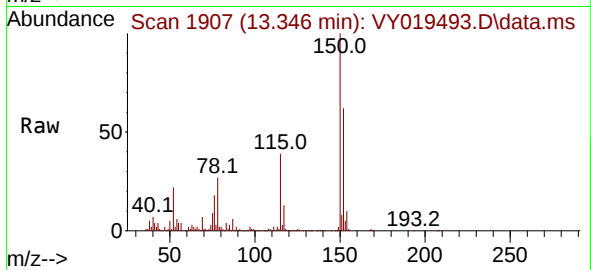
Tgt Ion:152 Resp: 167210

Ion Ratio Lower Upper

152 100

115 63.4 28.2 84.7

150 160.5 0.0 345.6



#78

n-propylbenzene

Concen: 1.185 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY019493.D

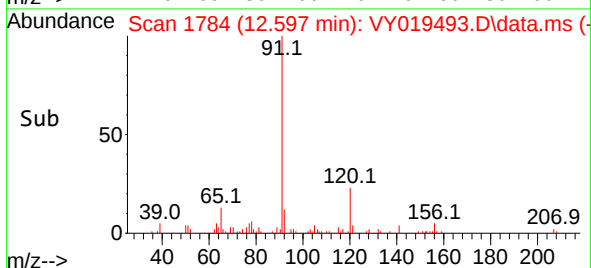
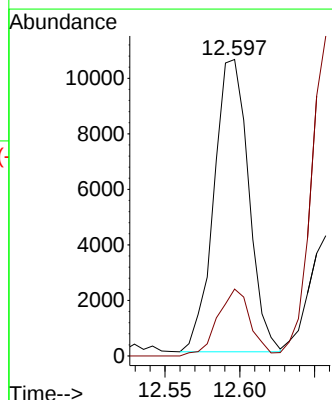
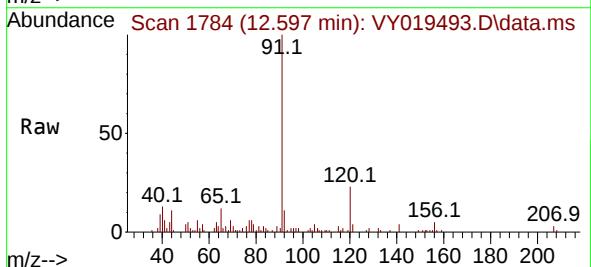
Acq: 10 Sep 2024 17:21

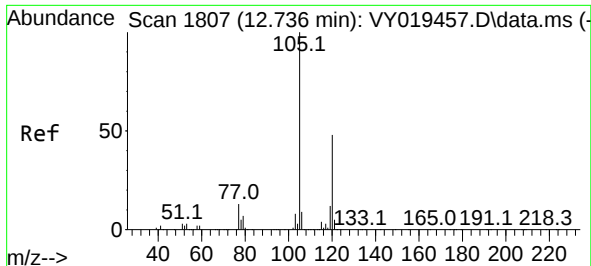
Tgt Ion: 91 Resp: 17039

Ion Ratio Lower Upper

91 100

120 21.4 11.5 34.4

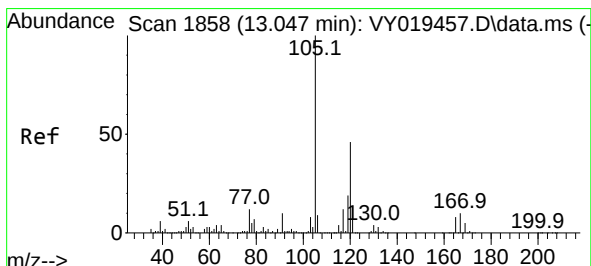
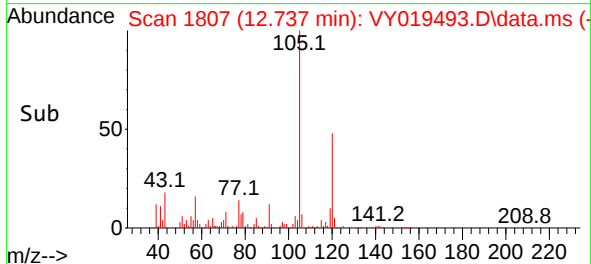
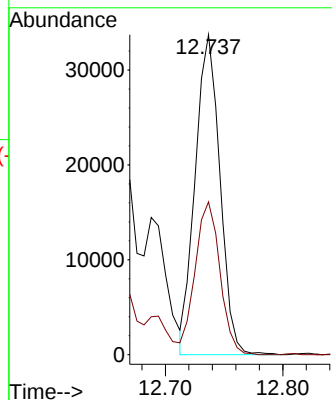
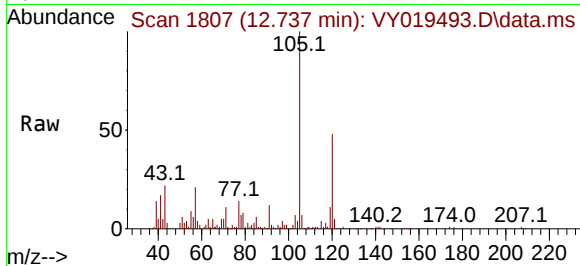




#80
1,3,5-Trimethylbenzene
Concen: 5.001 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

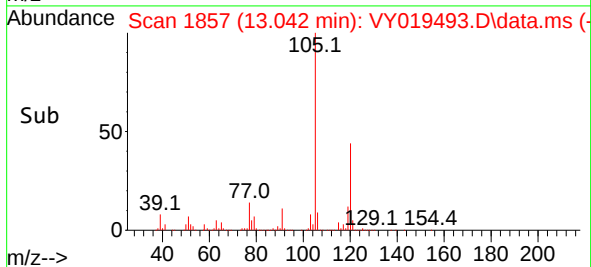
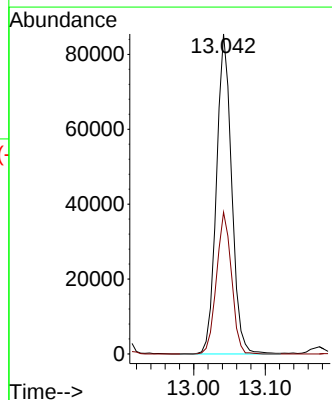
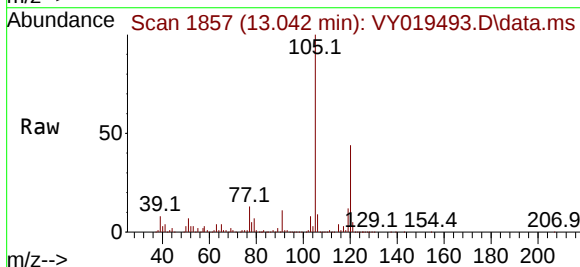
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

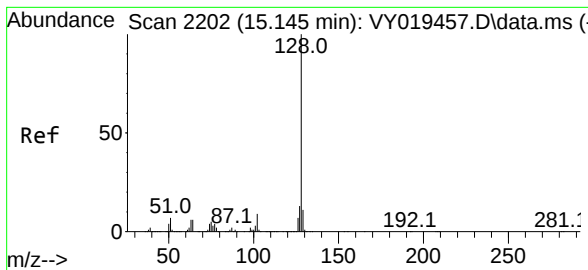
Tgt Ion:105 Resp: 49322
Ion Ratio Lower Upper
105 100
120 47.8 25.1 75.2



#84
1,2,4-Trimethylbenzene
Concen: 12.920 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

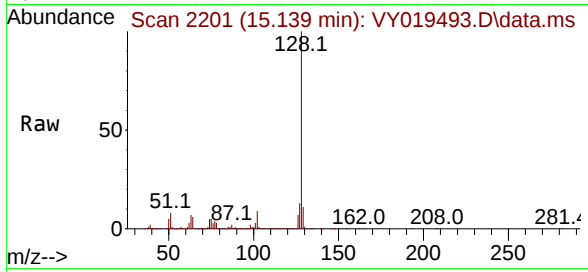
Tgt Ion:105 Resp: 126126
Ion Ratio Lower Upper
105 100
120 43.5 23.2 69.6





#95
Naphthalene
Concen: 215.069 ug/l
RT: 15.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :
SP-3



Tgt Ion:128 Resp: 1222017
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.7 8.6 13.0

