

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072023\
 Data File : VY014716.D
 Acq On : 20 Jul 2023 13:20
 Operator : SY/MD
 Sample : 03659-03RE
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-3-071823RE

Quant Time: Jul 20 14:09:52 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)

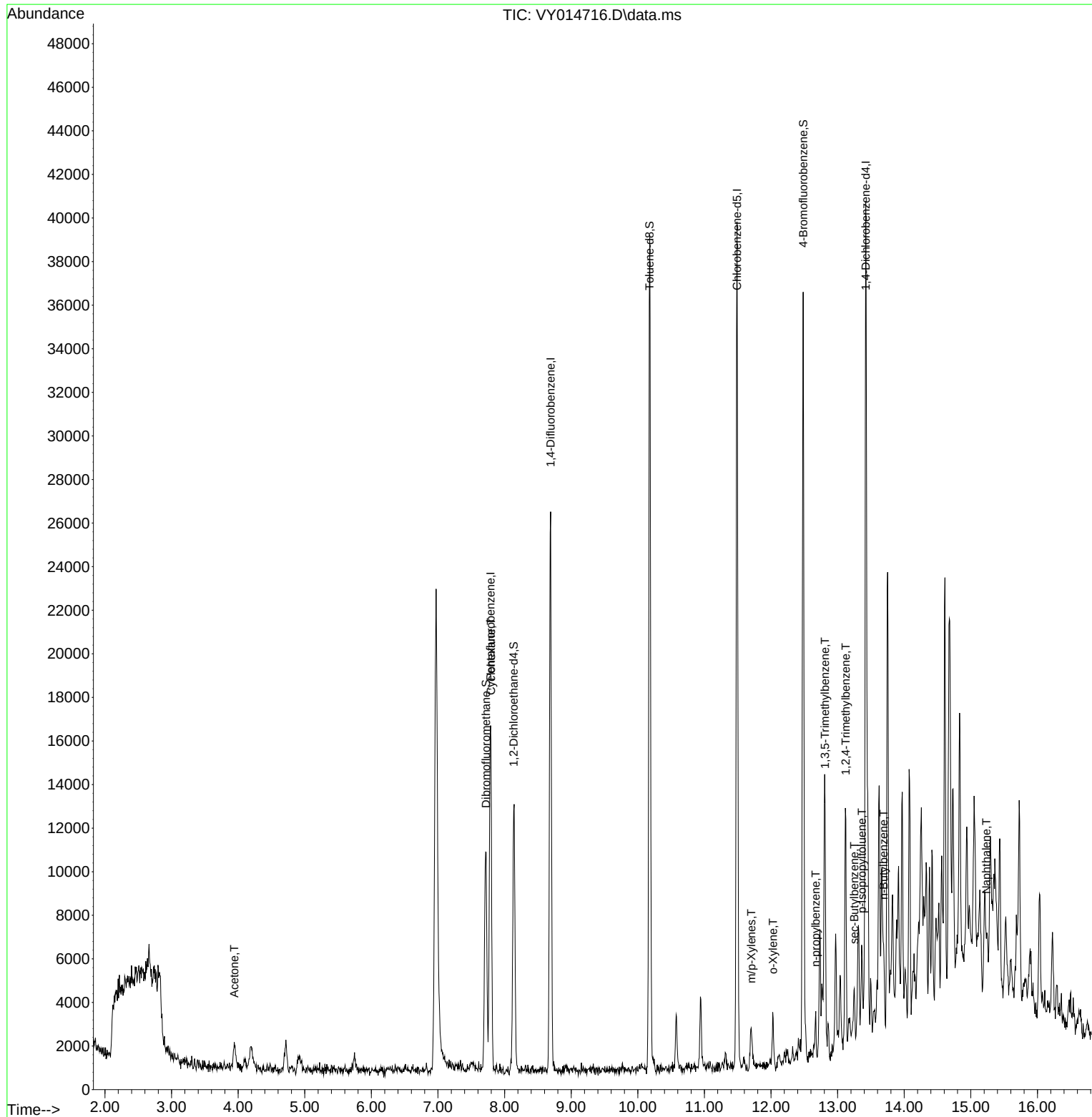
Internal Standards						
1) Pentafluorobenzene	7.789	168	12796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	22756	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	20674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	9186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	9386	64.369	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.740%	
35) Dibromofluoromethane	7.722	113	7780	53.707	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.420%	
50) Toluene-d8	10.179	98	27215	50.958	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.920%	
62) 4-Bromofluorobenzene	12.483	95	9636	47.055	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.120%	
Target Compounds						
16) Acetone	3.942	43	2049	44.344	ug/l	Qvalue 92
31) Cyclohexane	7.795	56	308	1.272	ug/l #	60
68) m/p-Xylenes	11.703	106	507	1.670	ug/l	79
69) o-Xylene	12.032	106	536	1.812	ug/l	85
78) n-propylbenzene	12.672	91	1618	1.867	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	2783	4.633	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	5964	10.117	ug/l	100
85) sec-Butylbenzene	13.251	105	1565	2.002	ug/l	88
86) p-Isopropyltoluene	13.367	119	1310	2.053	ug/l	95
89) n-Butylbenzene	13.690	91	1409	2.269	ug/l #	68
95) Naphthalene	15.233	128	1234	2.850	ug/l #	93

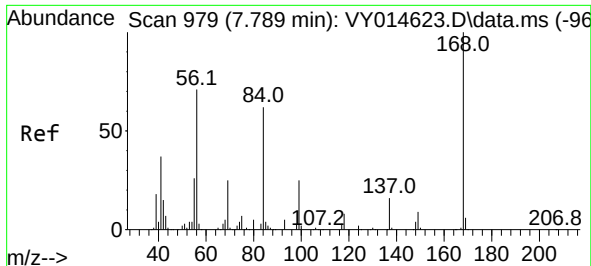
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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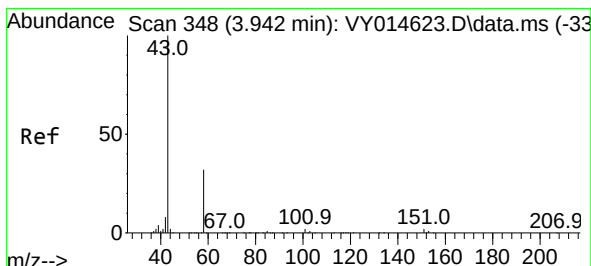
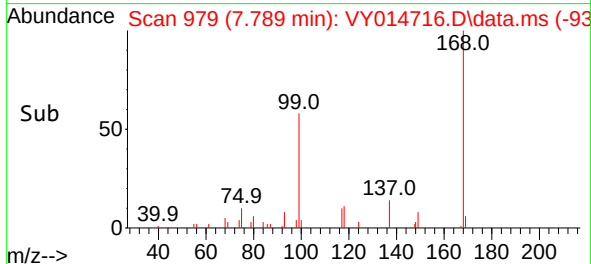
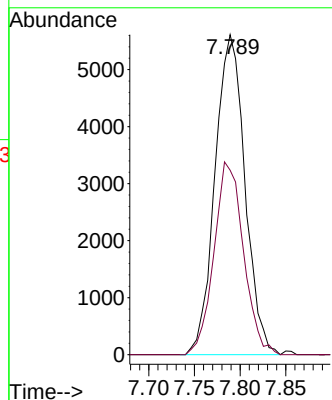
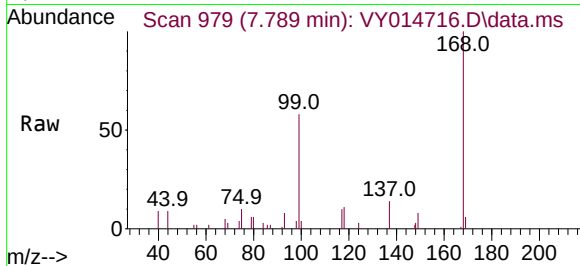




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014716.D
Acq: 20 Jul 2023 13:20

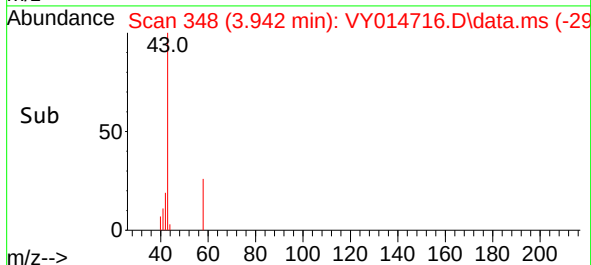
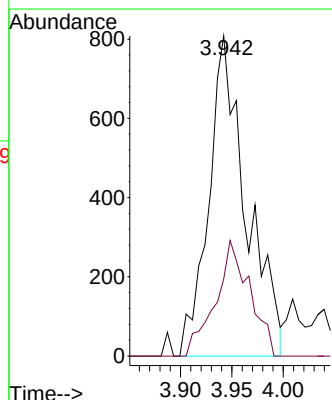
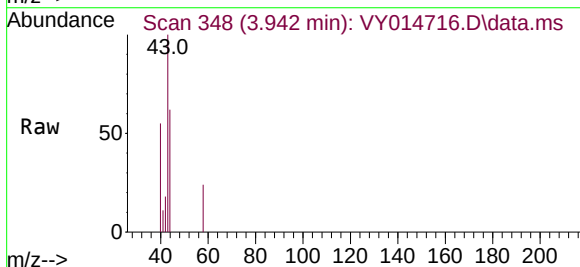
Instrument :
MSVOA_Y
ClientSampleId :
HR-3-071823RE

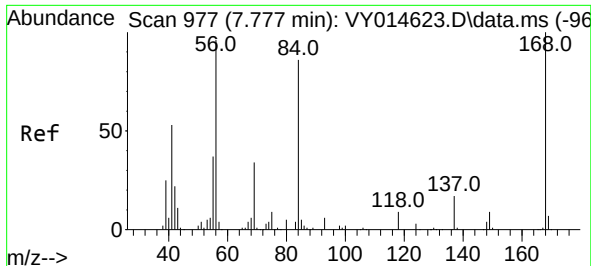
Tgt Ion:168 Resp: 12796
Ion Ratio Lower Upper
168 100
99 57.7 43.4 65.0



#16
Acetone
Concen: 44.344 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014716.D
Acq: 20 Jul 2023 13:20

Tgt Ion: 43 Resp: 2049
Ion Ratio Lower Upper
43 100
58 24.1 22.7 34.1

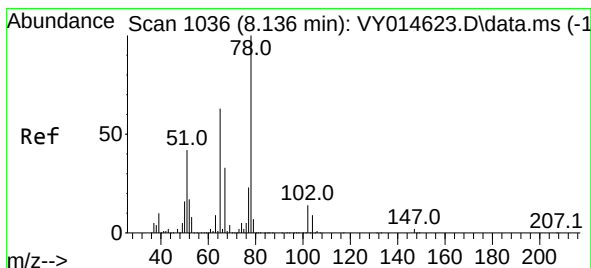
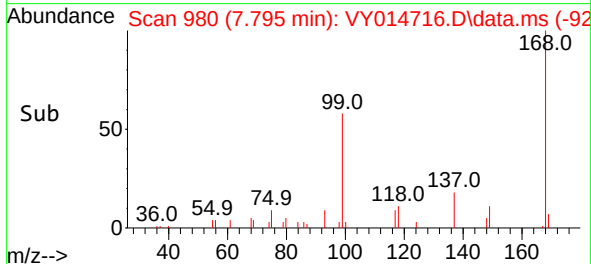
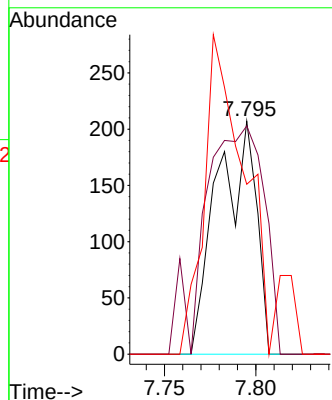
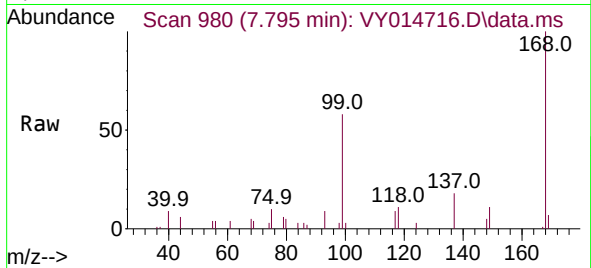




#31
Cyclohexane
Concen: 1.272 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY014716.D
Acq: 20 Jul 2023 13:20

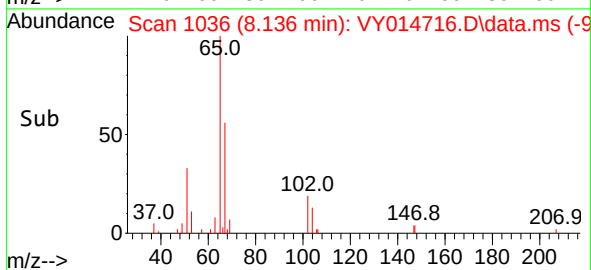
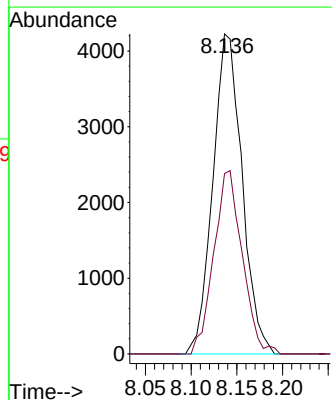
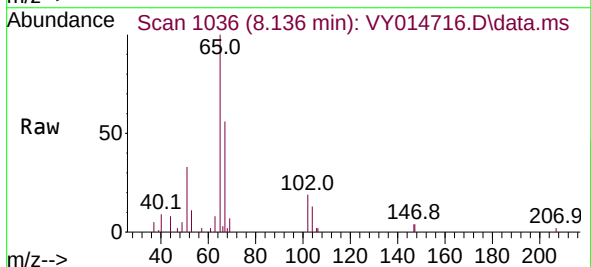
Instrument :
MSVOA_Y
ClientSampleId :
HR-3-071823RE

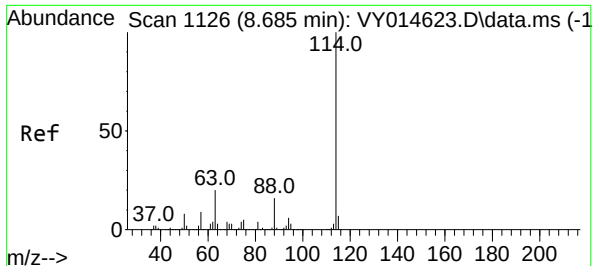
Tgt Ion: 56 Resp: 308
Ion Ratio Lower Upper
56 100
69 98.1 27.8 41.6#
84 72.9 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 64.369 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014716.D
Acq: 20 Jul 2023 13:20

Tgt Ion: 65 Resp: 9386
Ion Ratio Lower Upper
65 100
67 55.8 0.0 101.8

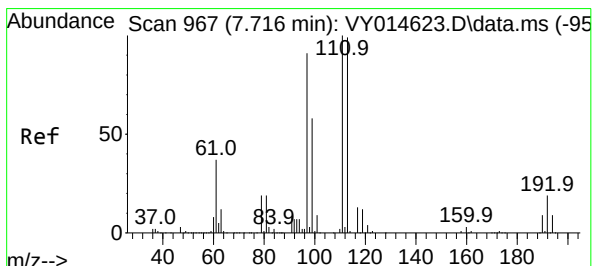
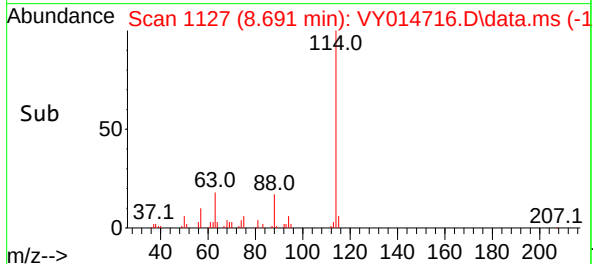
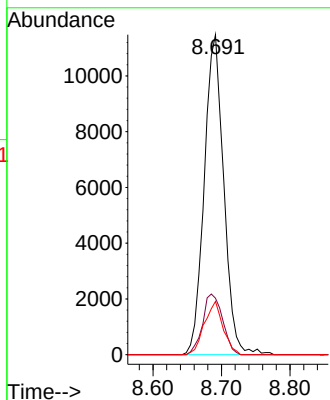
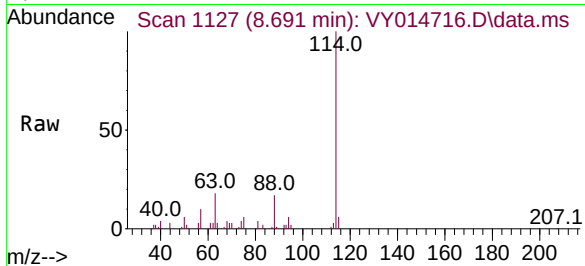




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY014716.D
Acq: 20 Jul 2023 13:20

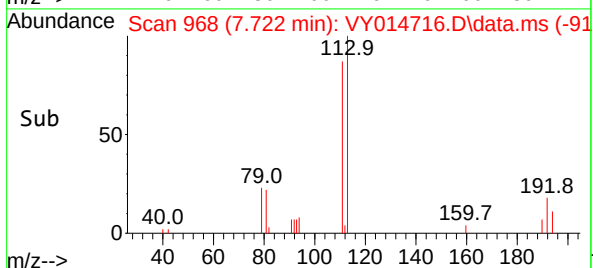
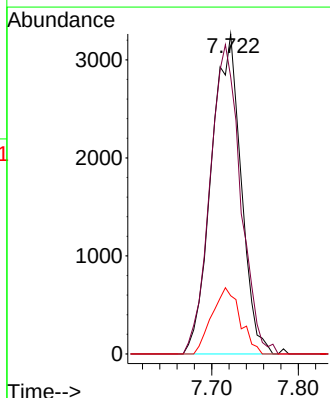
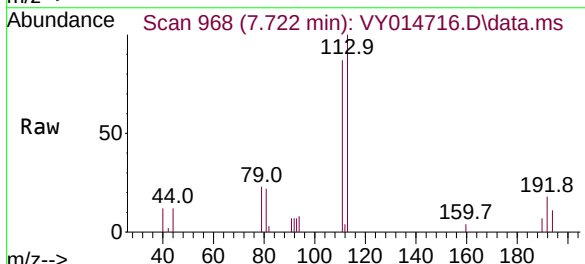
Instrument :
MSVOA_Y
ClientSampleId :
HR-3-071823RE

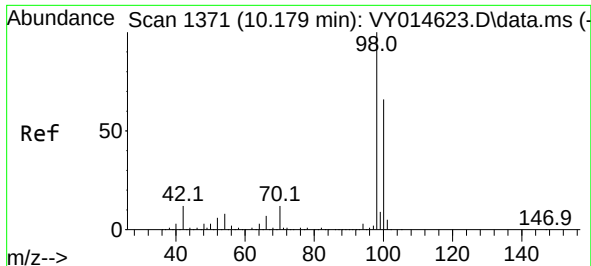
Tgt Ion:	114	Resp:	22756
Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	42.4
88	16.6	0.0	30.6



#35
Dibromofluoromethane
Concen: 53.707 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY014716.D
Acq: 20 Jul 2023 13:20

Tgt Ion:	113	Resp:	7780
Ion	Ratio	Lower	Upper
113	100		
111	99.4	81.3	121.9
192	19.8	16.9	25.3

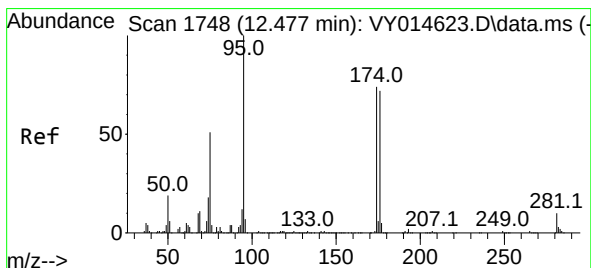
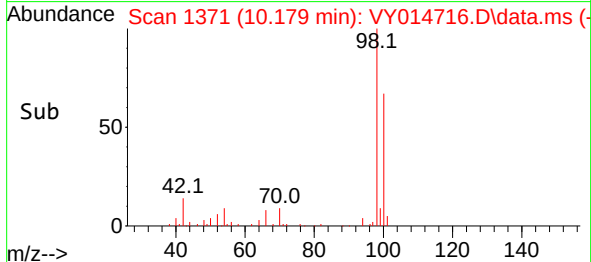
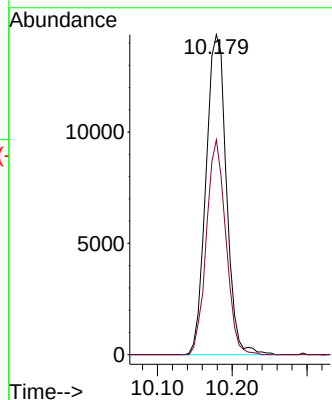
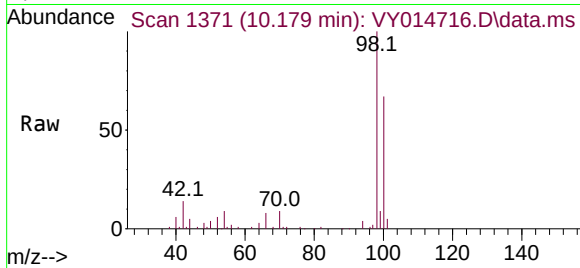




#50
Toluene-d8
Concen: 50.958 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014716.D
Acq: 20 Jul 2023 13:20

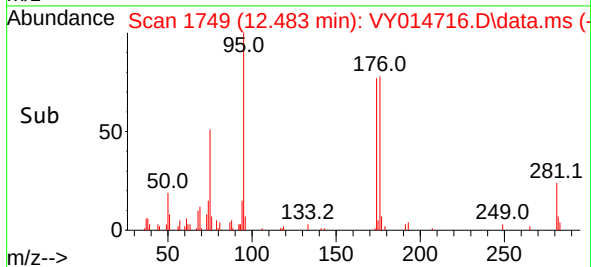
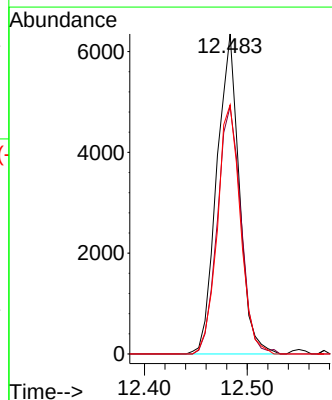
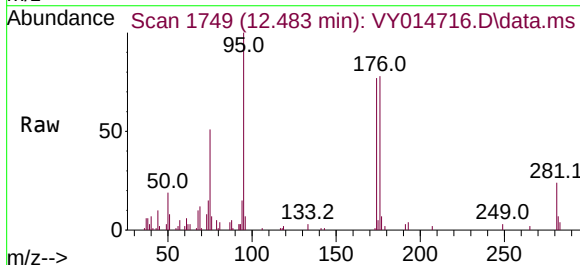
Instrument :
MSVOA_Y
ClientSampleId :
HR-3-071823RE

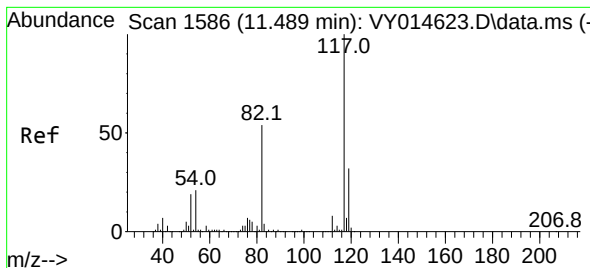
Tgt Ion: 98 Resp: 27215
Ion Ratio Lower Upper
98 100
100 63.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.055 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014716.D
Acq: 20 Jul 2023 13:20

Tgt Ion: 95 Resp: 9636
Ion Ratio Lower Upper
95 100
174 81.2 0.0 178.2
176 79.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1170

Delta R.T. 0.000 min

Lab File: VY014716.D

Acq: 20 Jul 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :

HR-3-071823RE

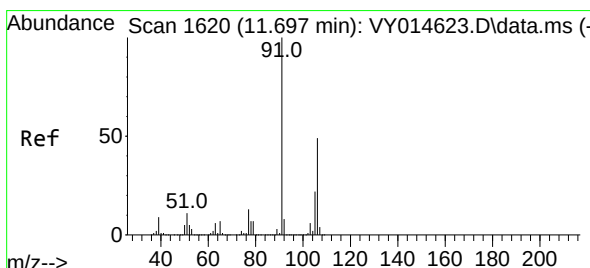
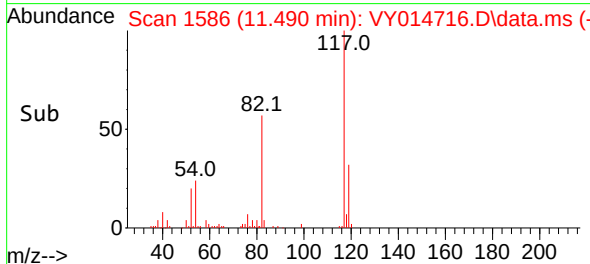
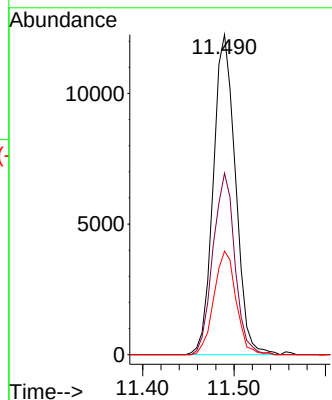
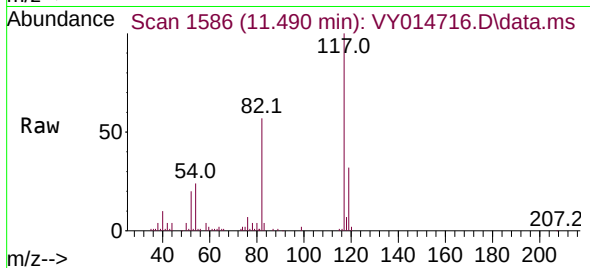
Tgt Ion:117 Resp: 20674

Ion Ratio Lower Upper

117 100

82 56.7 43.4 65.0

119 32.4 26.3 39.5



#68

m/p-Xylenes

Concen: 1.670 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.006 min

Lab File: VY014716.D

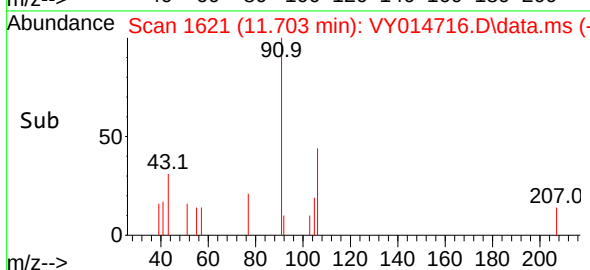
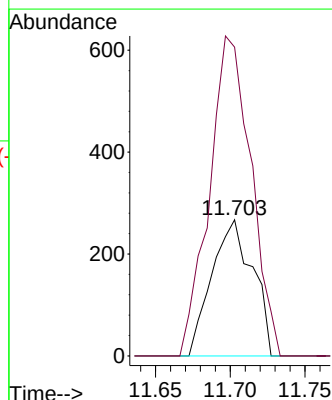
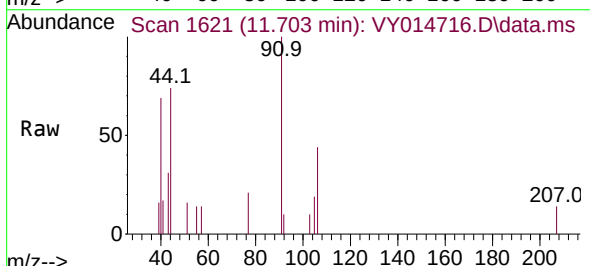
Acq: 20 Jul 2023 13:20

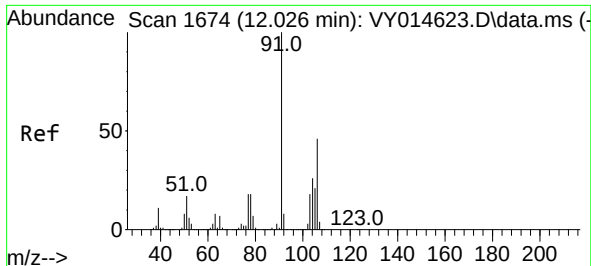
Tgt Ion:106 Resp: 507

Ion Ratio Lower Upper

106 100

91 239.4 166.1 249.1





#69

o-Xylene

Concen: 1.812 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014716.D

Acq: 20 Jul 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :

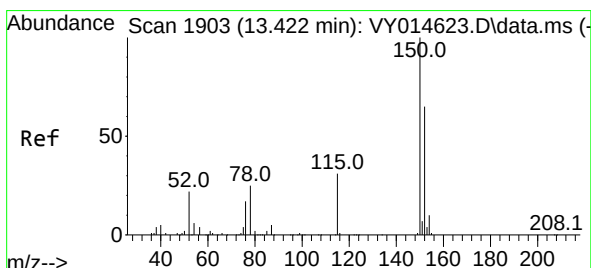
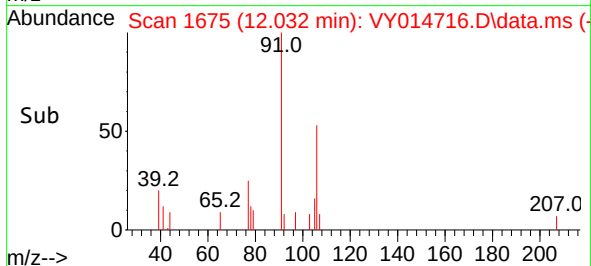
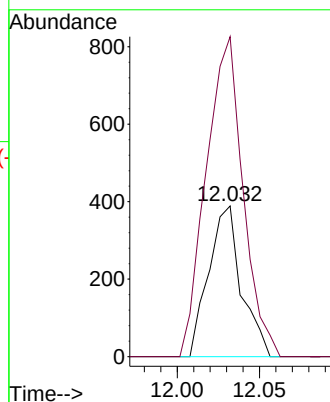
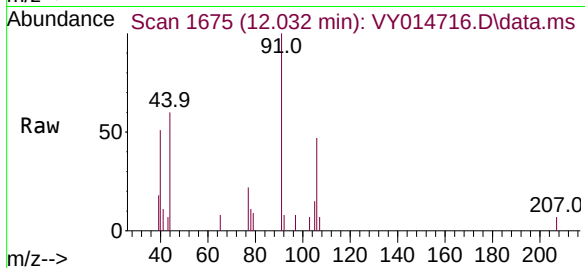
HR-3-071823RE

Tgt Ion:106 Resp: 536

Ion Ratio Lower Upper

106 100

91 240.3 108.1 324.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014716.D

Acq: 20 Jul 2023 13:20

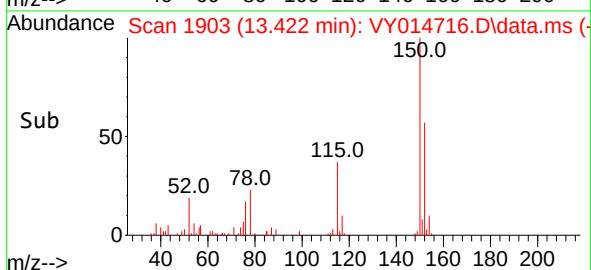
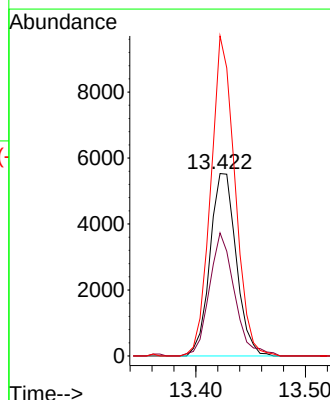
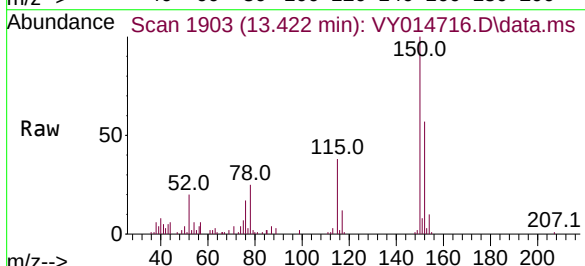
Tgt Ion:152 Resp: 9186

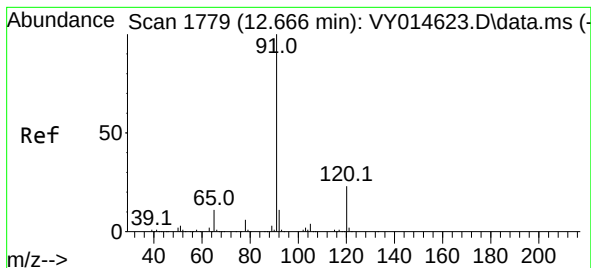
Ion Ratio Lower Upper

152 100

115 64.7 28.8 86.5

150 161.9 0.0 348.8





#78

n-propylbenzene

Concen: 1.867 ug/l

RT: 12.672 min Scan# 1779

Delta R.T. 0.006 min

Lab File: VY014716.D

Acq: 20 Jul 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :

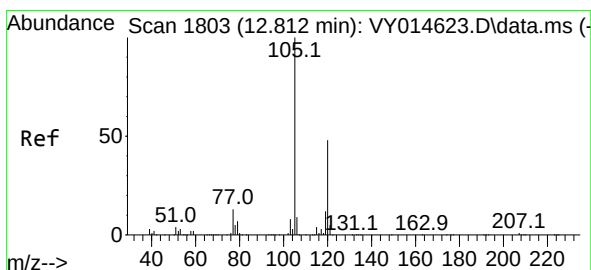
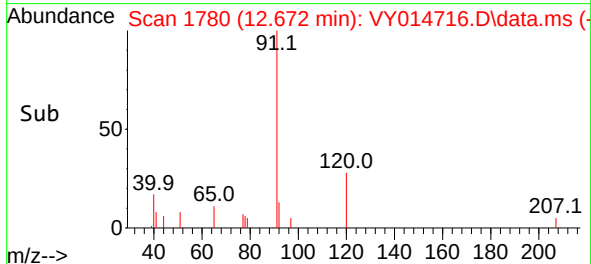
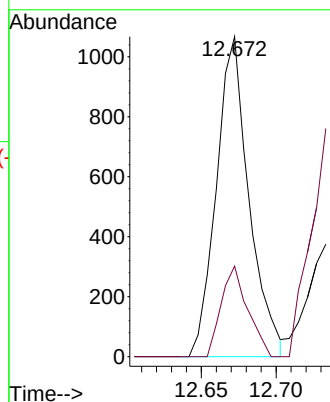
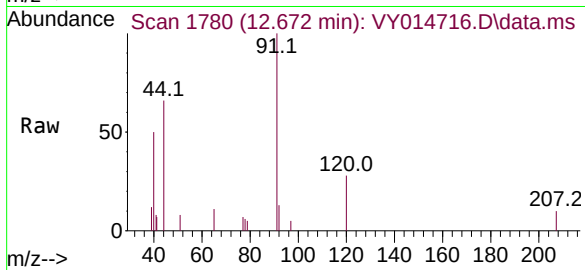
HR-3-071823RE

Tgt Ion: 91 Resp: 1618

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 4.633 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY014716.D

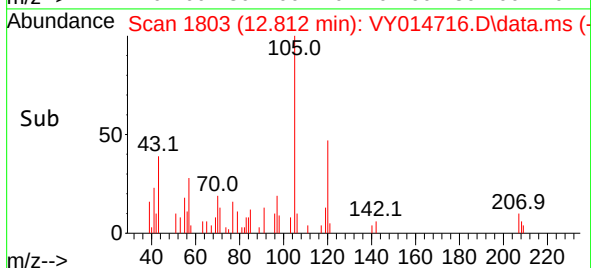
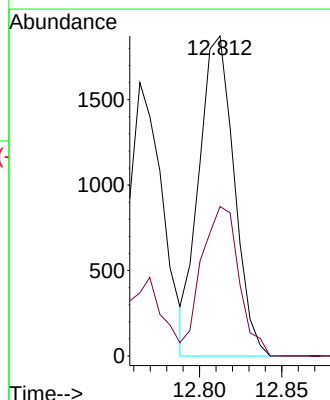
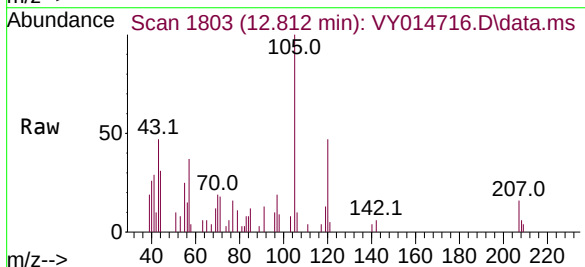
Acq: 20 Jul 2023 13:20

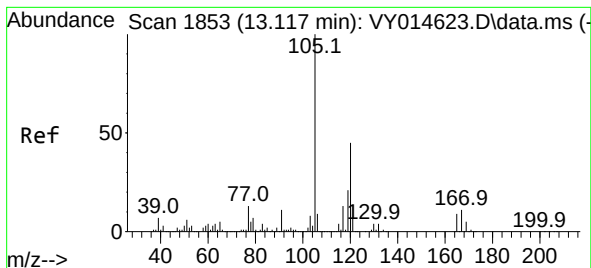
Tgt Ion:105 Resp: 2783

Ion Ratio Lower Upper

105 100

120 49.8 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 10.117 ug/l

RT: 13.123 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VY014716.D

Acq: 20 Jul 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :

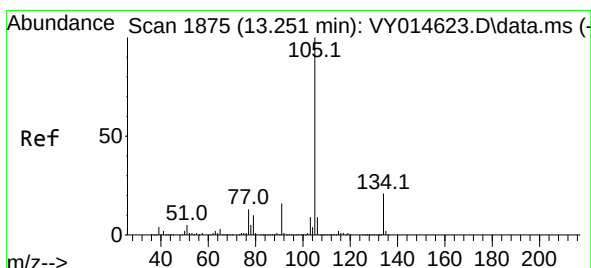
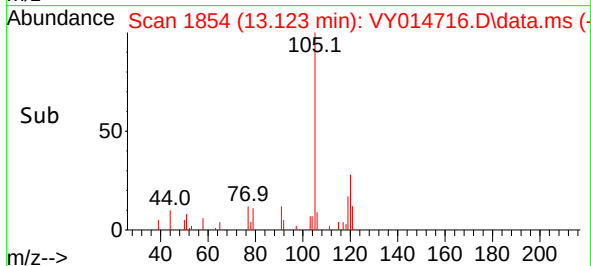
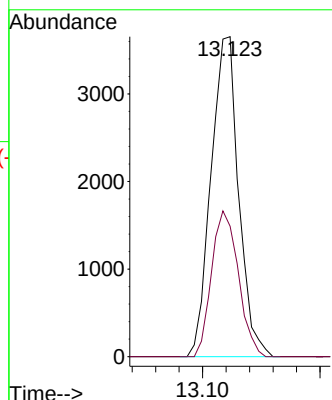
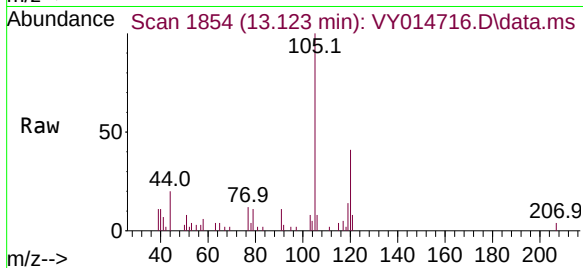
HR-3-071823RE

Tgt Ion:105 Resp: 5964

Ion Ratio Lower Upper

105 100

120 44.1 22.2 66.6



#85

sec-Butylbenzene

Concen: 2.002 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY014716.D

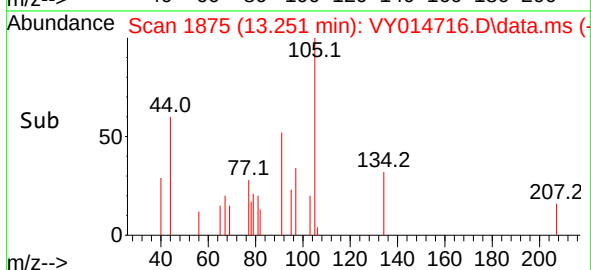
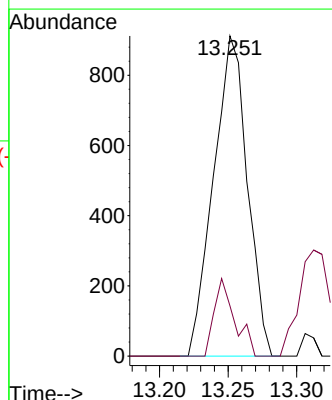
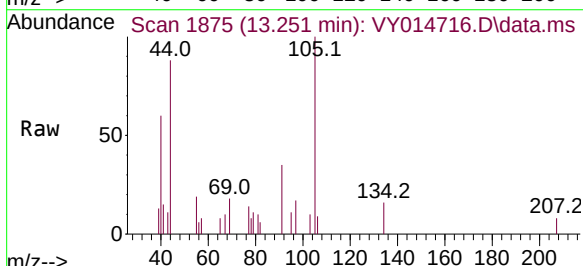
Acq: 20 Jul 2023 13:20

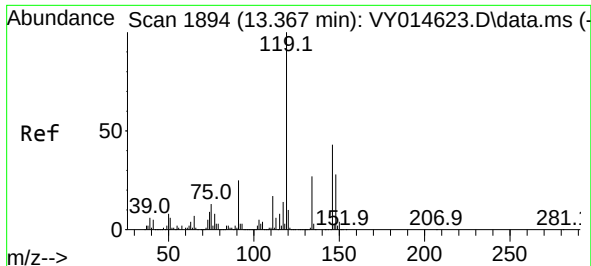
Tgt Ion:105 Resp: 1565

Ion Ratio Lower Upper

105 100

134 14.8 10.2 30.6

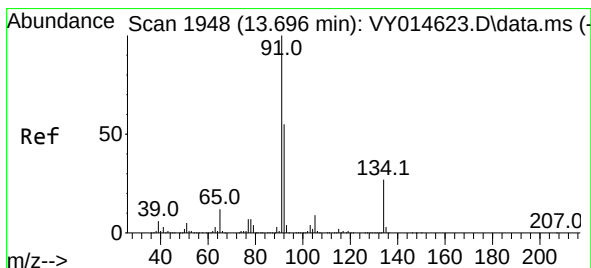
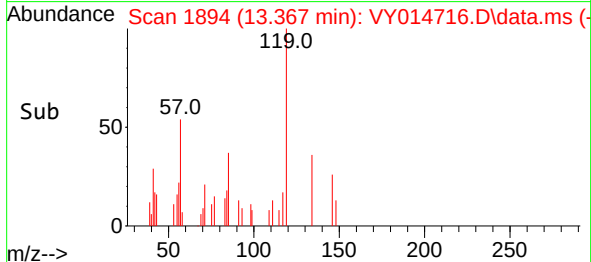
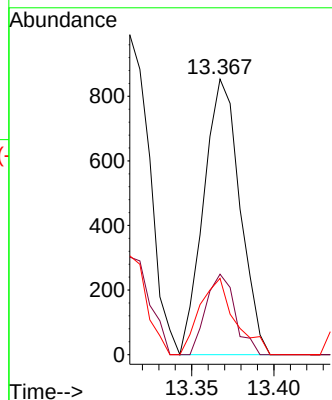
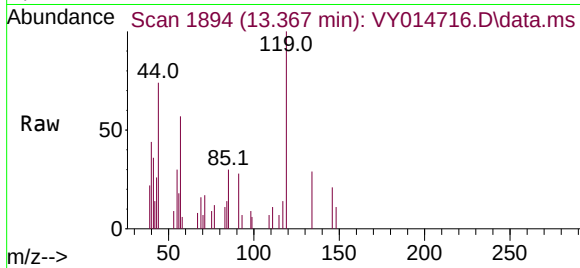




#86
p-Isopropyltoluene
Concen: 2.053 ug/l
RT: 13.367 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY014716.D
Acq: 20 Jul 2023 13:20

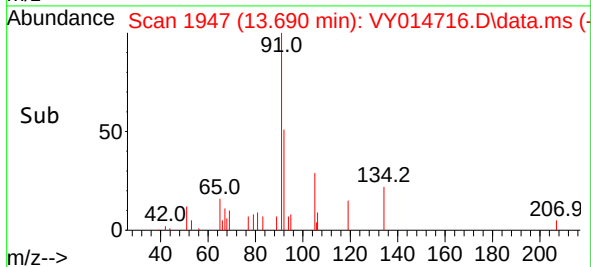
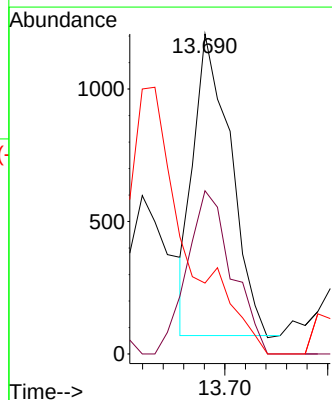
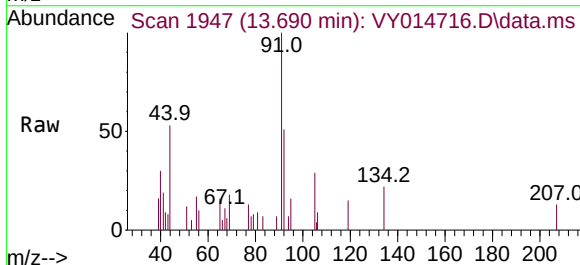
Instrument :
MSVOA_Y
ClientSampleId :
HR-3-071823RE

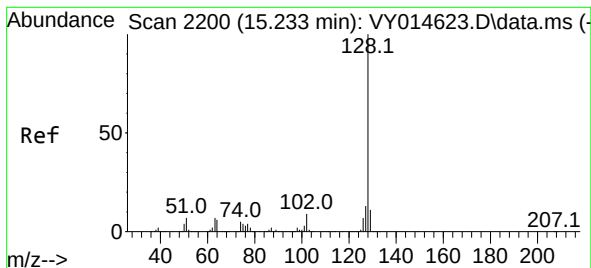
Tgt Ion:119	Resp:	1310
Ion	Ratio	Lower Upper
119	100	
134	23.5	13.3 39.8
91	27.0	12.4 37.4



#89
n-Butylbenzene
Concen: 2.269 ug/l
RT: 13.690 min Scan# 1947
Delta R.T. -0.006 min
Lab File: VY014716.D
Acq: 20 Jul 2023 13:20

Tgt Ion: 91	Resp:	1409
Ion	Ratio	Lower Upper
91	100	
92	66.6	25.4 76.0
134	0.0	12.6 37.6#





#95

Naphthalene

Concen: 2.850 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY014716.D

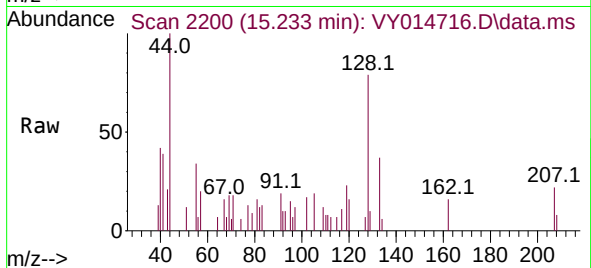
Acq: 20 Jul 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :

HR-3-071823RE



Tgt Ion:	128	Resp:	1234
Ion Ratio	Lower	Upper	
128	100		
127	15.5	10.8	16.2
129	7.2	8.6	13.0#

