

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014737.D
 Acq On : 21 Jul 2023 11:23
 Operator : SY/MD
 Sample : 03681-08
 Misc : 2.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RPTP-3-GRAB-5

Quant Time: Jul 22 06:09:34 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)

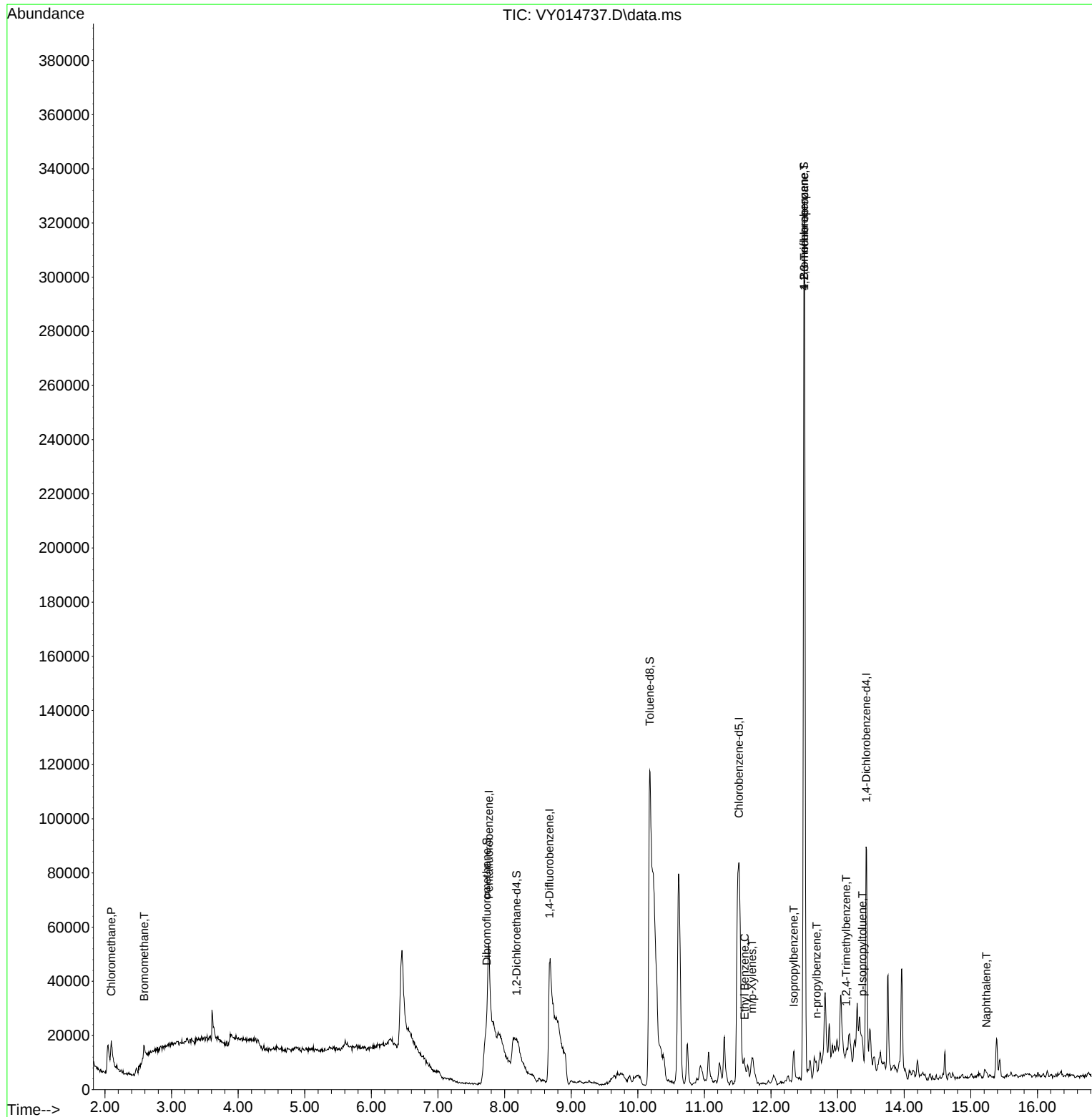
Internal Standards						
1) Pentafluorobenzene	7.764	168	39054	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.673	114	100372	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.520	117	93635	50.000	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.428	152	23483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.179	65	53969	121.269	ug/l	0.04
Spiked Amount	50.000	Range	50 - 163	Recovery	= 242.540%#	
35) Dibromofluoromethane	7.734	113	9043	14.153	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 28.300%#	
50) Toluene-d8	10.178	98	225644	95.788	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 191.580%#	
62) 4-Bromofluorobenzene	12.495	95	29594	32.764	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	= 65.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.095	50	10632	29.726	ug/l	97
5) Bromomethane	2.588	94	3822	14.468	ug/l	97
67) Ethyl Benzene	11.605	91	5478	1.521	ug/l	98
68) m/p-Xylenes	11.715	106	3654	2.657	ug/l	88
73) Isopropylbenzene	12.343	105	4850	2.638	ug/l	99
76) 1,2,3-Trichloropropane	12.501	75	18215	61.416	ug/l #	100
78) n-propylbenzene	12.684	91	4982	2.249	ug/l	96
84) 1,2,4-Trimethylbenzene	13.129	105	1851	1.228	ug/l	97
86) p-Isopropyltoluene	13.373	119	4479	2.745	ug/l #	84
95) Naphthalene	15.232	128	1955	1.766	ug/l #	88

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

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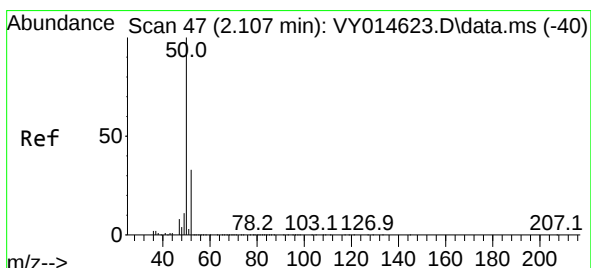
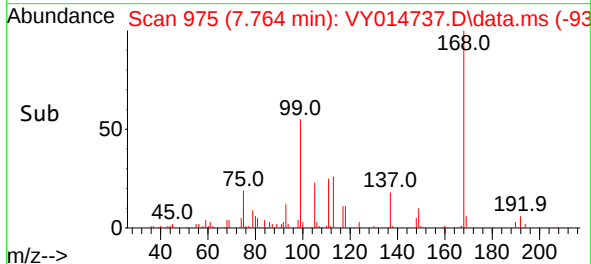
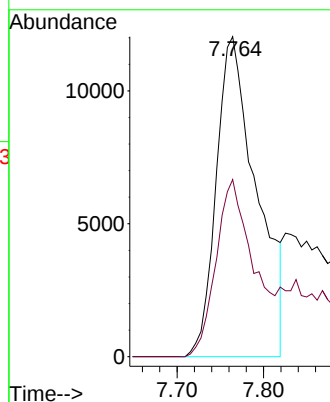
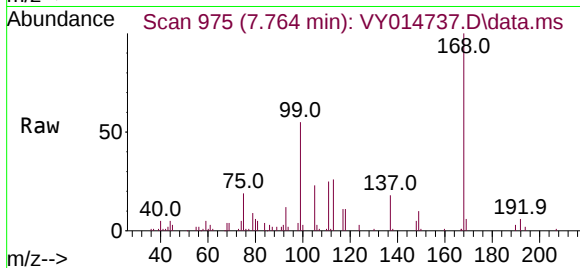




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.764 min Scan# 91
Delta R.T. -0.025 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

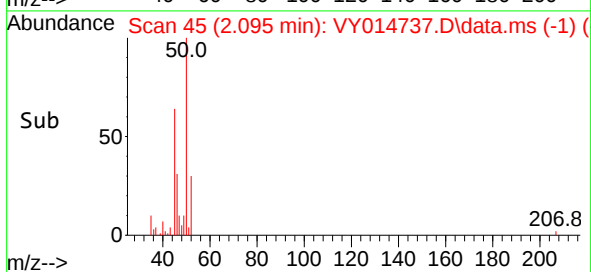
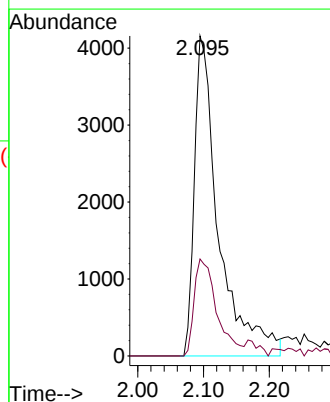
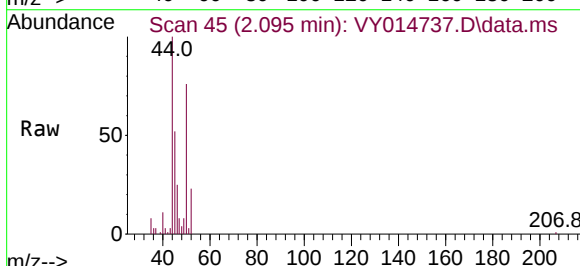
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-5

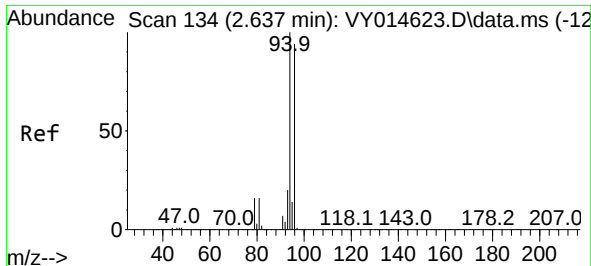
Tgt Ion:168 Resp: 39054
Ion Ratio Lower Upper
168 100
99 55.4 43.4 65.0



#3
Chloromethane
Concen: 29.726 ug/l
RT: 2.095 min Scan# 45
Delta R.T. -0.012 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Tgt Ion: 50 Resp: 10632
Ion Ratio Lower Upper
50 100
52 30.3 25.4 38.2

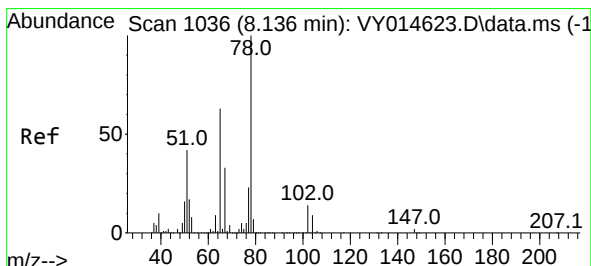
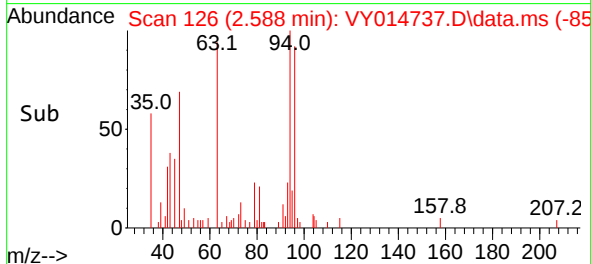
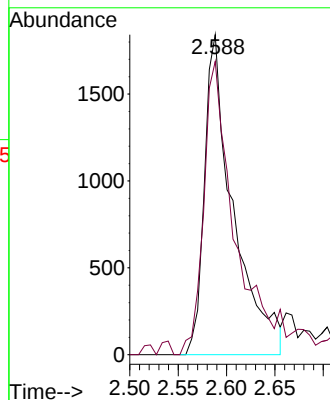
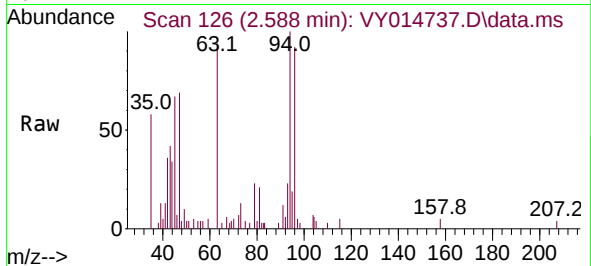




#5
Bromomethane
Concen: 14.468 ug/l
RT: 2.588 min Scan# 11
Delta R.T. -0.049 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

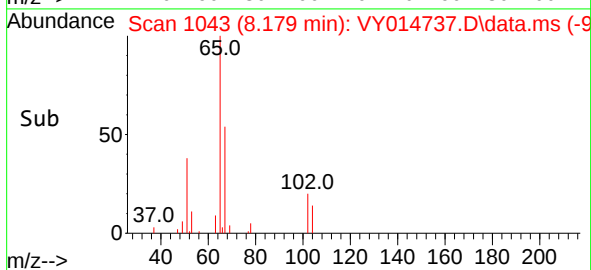
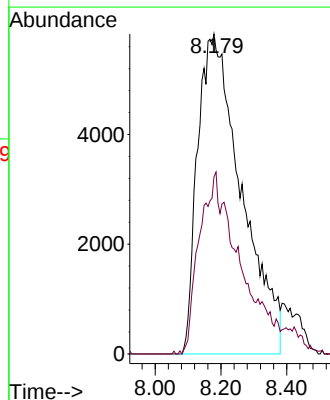
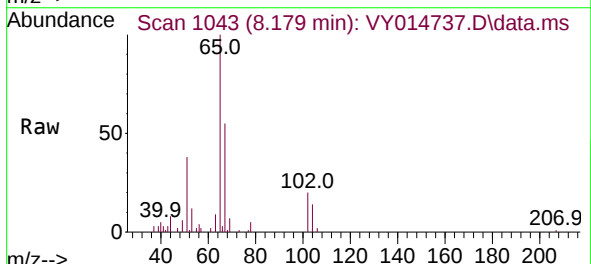
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-5

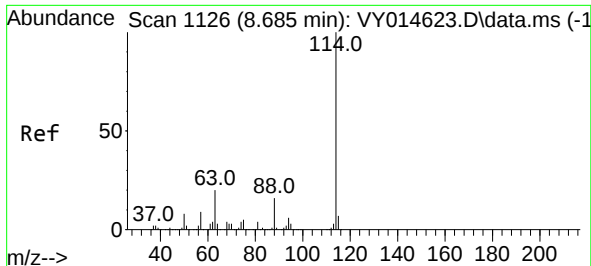
Tgt Ion: 94 Resp: 3822
Ion Ratio Lower Upper
94 100
96 91.6 75.8 113.6



#33
1,2-Dichloroethane-d4
Concen: 121.269 ug/l
RT: 8.179 min Scan# 1043
Delta R.T. 0.043 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Tgt Ion: 65 Resp: 53969
Ion Ratio Lower Upper
65 100
67 25.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.673 min Scan# 1126

Delta R.T. -0.012 min

Lab File: VY014737.D

Acq: 21 Jul 2023 11:23

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-3-GRAB-5

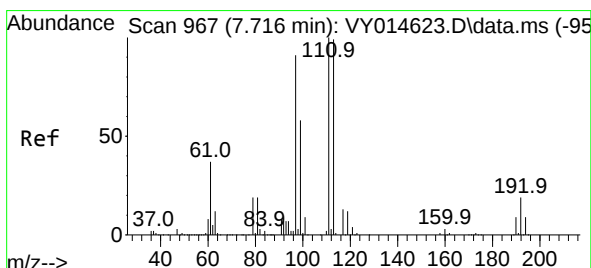
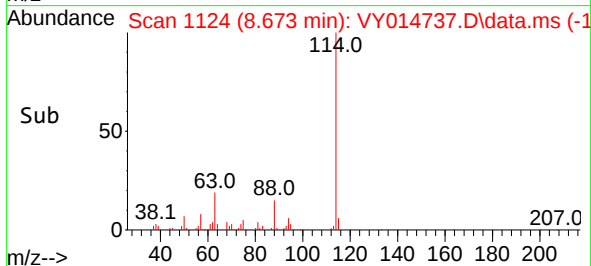
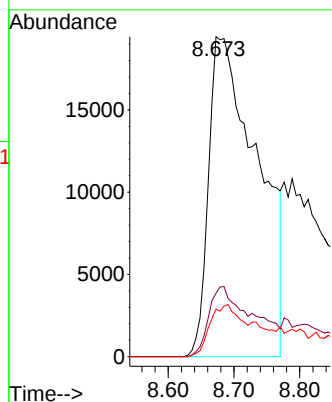
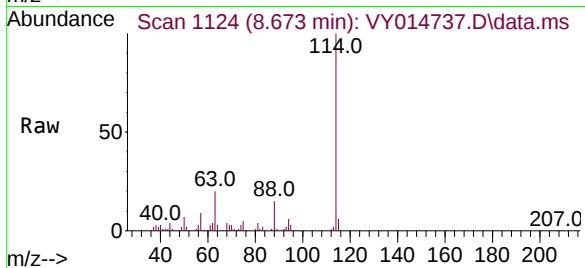
Tgt Ion:114 Resp: 100372

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 14.153 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.018 min

Lab File: VY014737.D

Acq: 21 Jul 2023 11:23

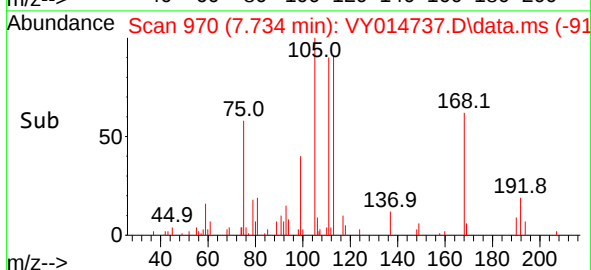
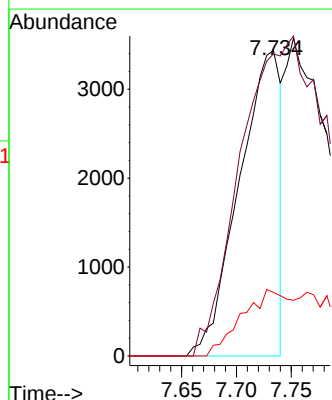
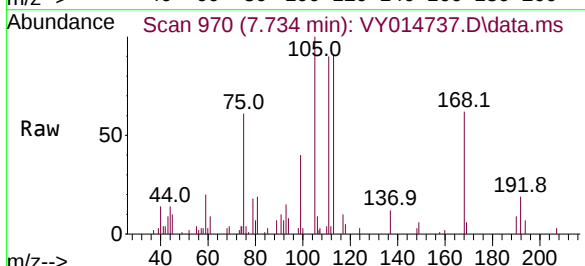
Tgt Ion:113 Resp: 9043

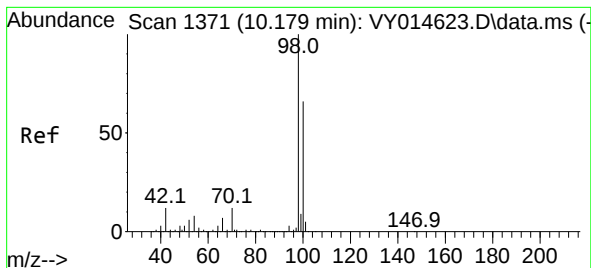
Ion Ratio Lower Upper

113 100

111 0.0 81.3 121.9#

192 25.5 16.9 25.3#

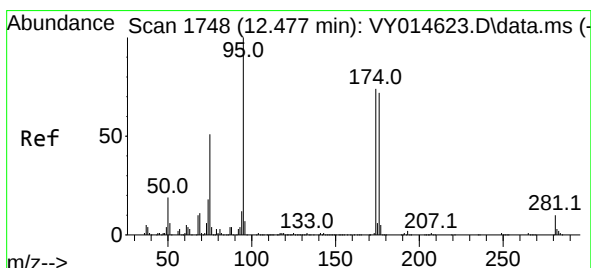
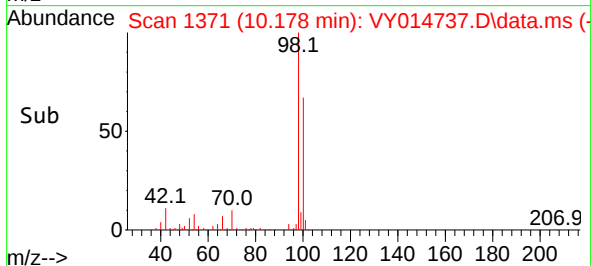
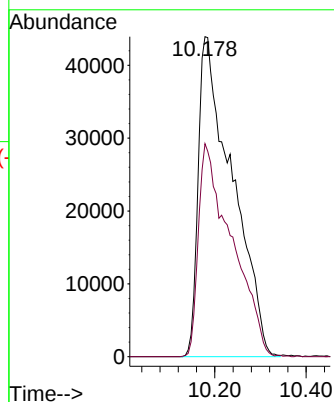
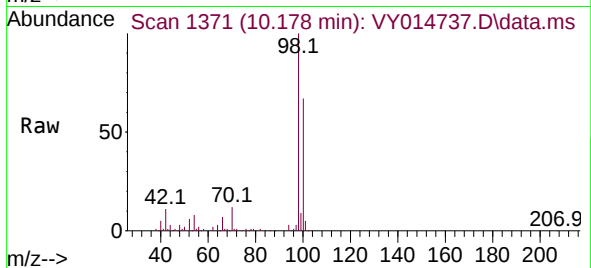




#50
Toluene-d8
Concen: 95.788 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

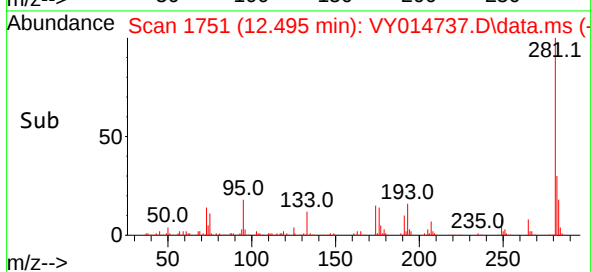
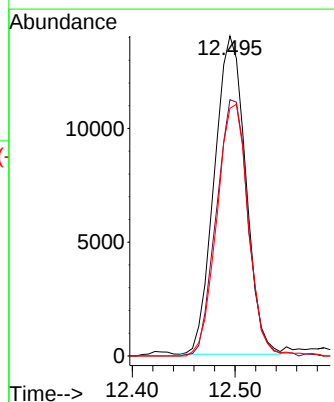
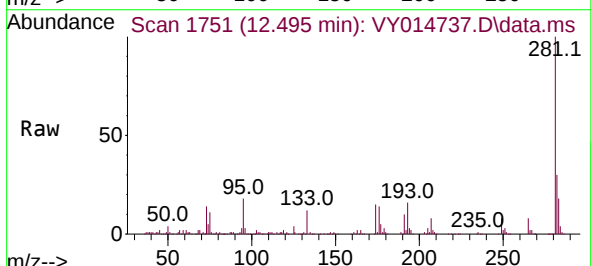
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-5

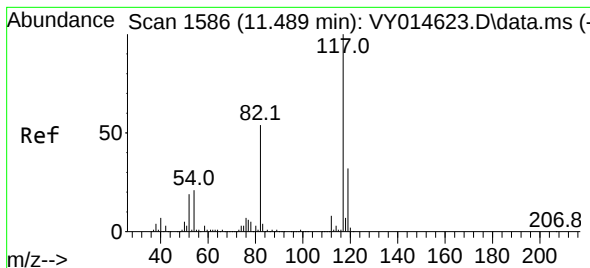
Tgt Ion: 98 Resp: 225644
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 32.764 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.018 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Tgt Ion: 95 Resp: 29594
Ion Ratio Lower Upper
95 100
174 81.2 0.0 178.2
176 79.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.520 min Scan# 11

Delta R.T. 0.031 min

Lab File: VY014737.D

Acq: 21 Jul 2023 11:23

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-3-GRAB-5

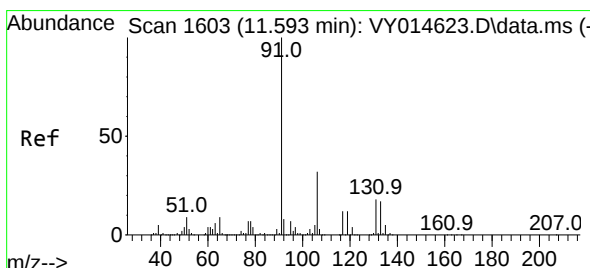
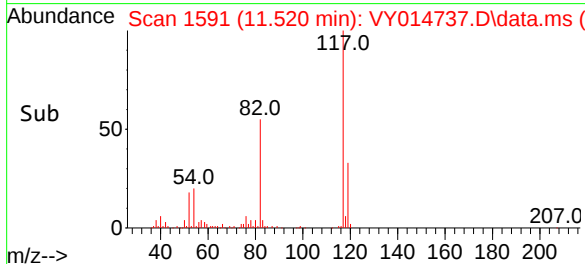
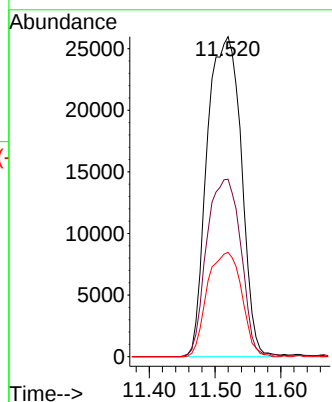
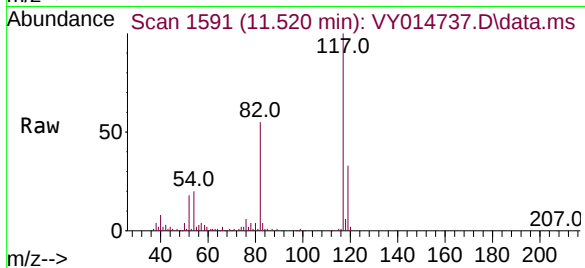
Tgt Ion:117 Resp: 93635

Ion Ratio Lower Upper

117 100

82 55.4 43.4 65.0

119 32.6 26.3 39.5



#67

Ethyl Benzene

Concen: 1.521 ug/l

RT: 11.605 min Scan# 1605

Delta R.T. 0.012 min

Lab File: VY014737.D

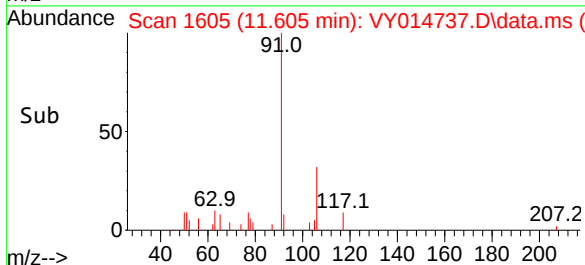
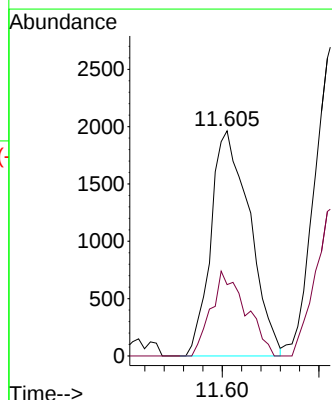
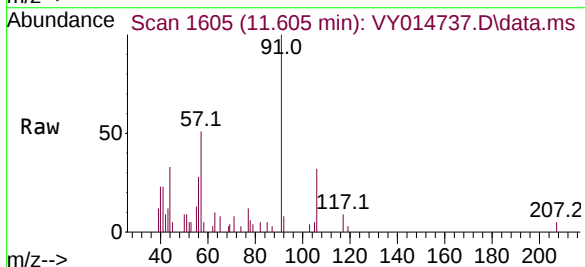
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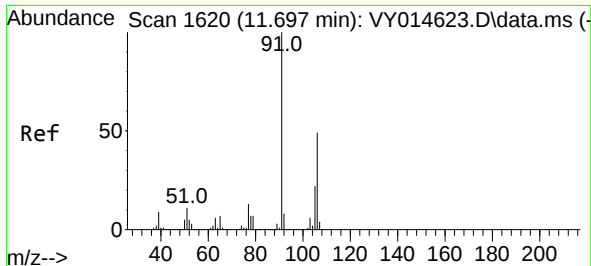
Tgt Ion: 91 Resp: 5478

Ion Ratio Lower Upper

91 100

106 31.7 24.6 36.8

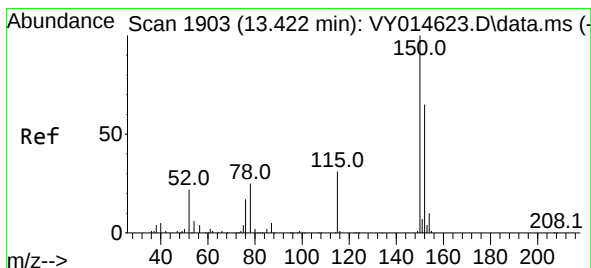
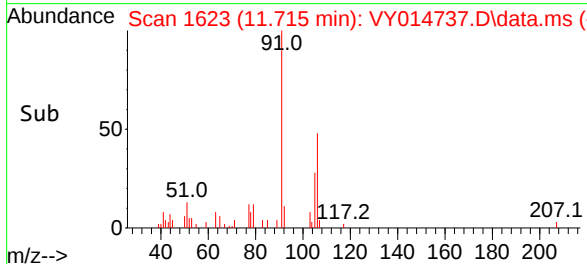
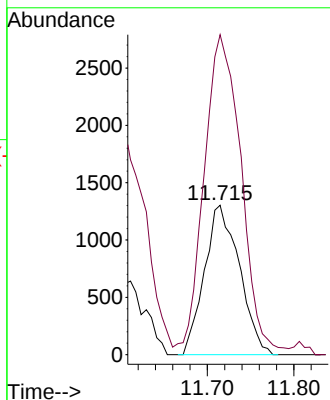
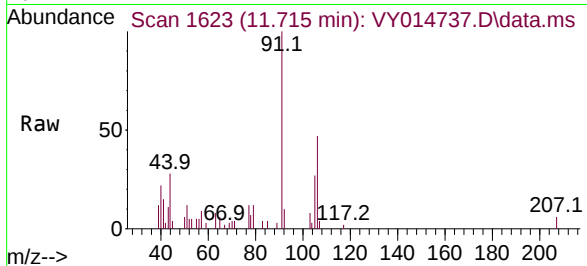




#68
m/p-Xylenes
Concen: 2.657 ug/l
RT: 11.715 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

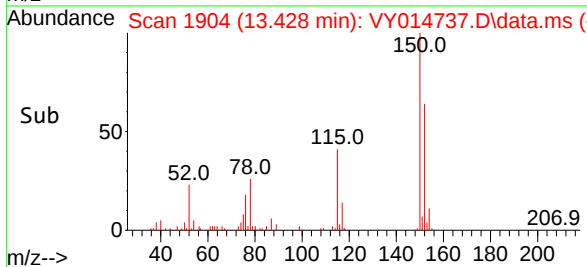
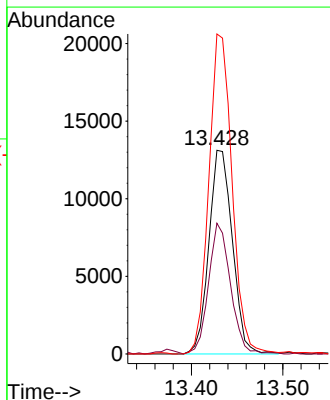
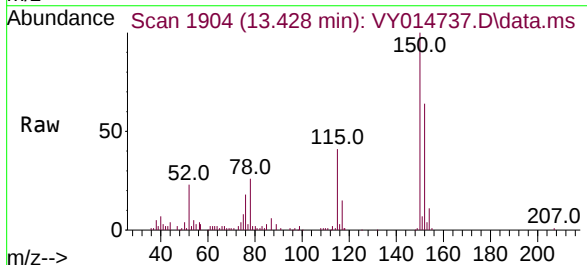
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-5

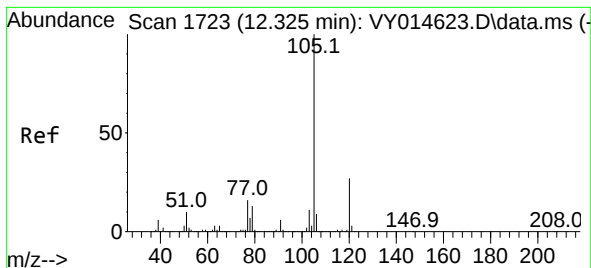
Tgt Ion:106 Resp: 3654
Ion Ratio Lower Upper
106 100
91 226.5 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Tgt Ion:152 Resp: 23483
Ion Ratio Lower Upper
152 100
115 59.9 28.8 86.5
150 155.0 0.0 348.8





#73

Isopropylbenzene

Concen: 2.638 ug/l

RT: 12.343 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY014737.D

Acq: 21 Jul 2023 11:23

Instrument :

MSVOA_Y

ClientSampleId :

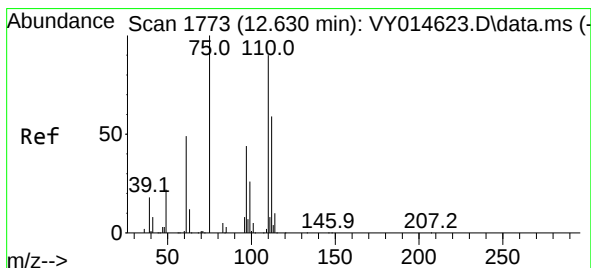
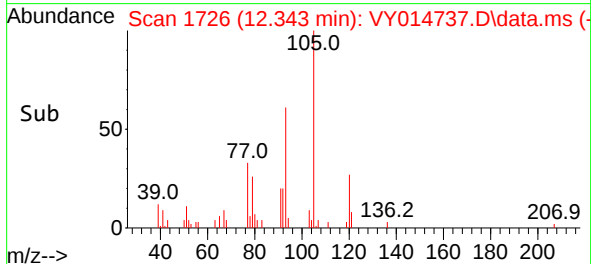
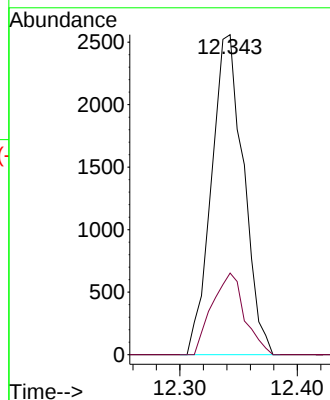
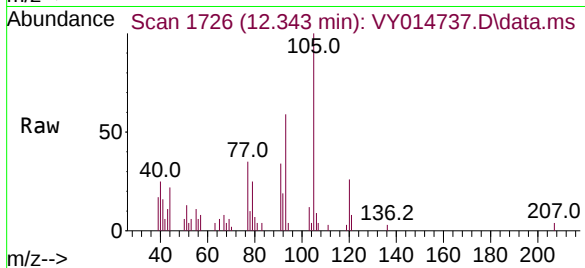
RPTP-3-GRAB-5

Tgt Ion:105 Resp: 4850

Ion Ratio Lower Upper

105 100

120 25.9 13.3 39.9



#76

1,2,3-Trichloropropane

Concen: 61.416 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. -0.129 min

Lab File: VY014737.D

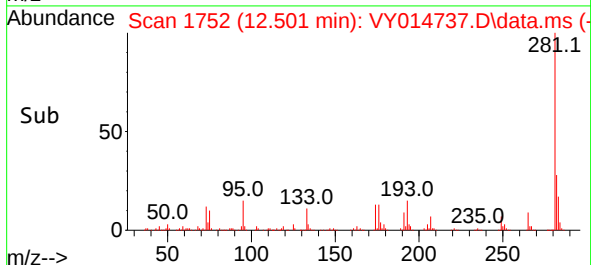
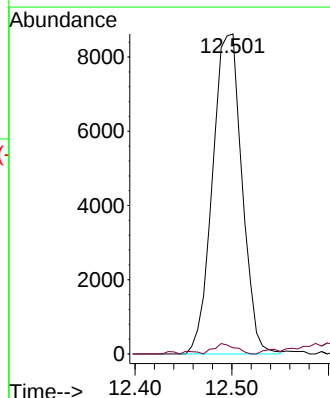
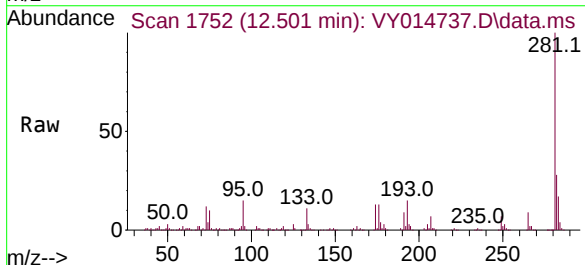
Acq: 21 Jul 2023 11:23

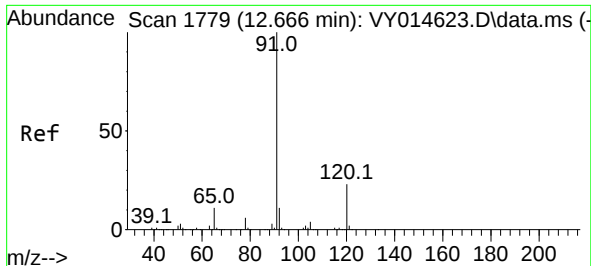
Tgt Ion: 75 Resp: 18215

Ion Ratio Lower Upper

75 100

77 2.3 0.0 0.0#

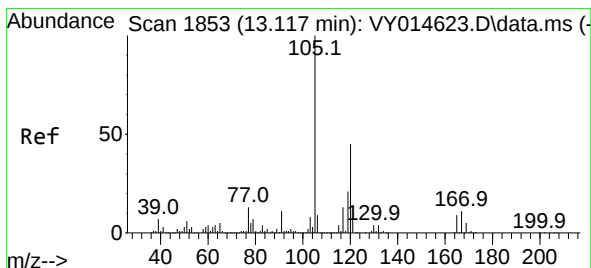
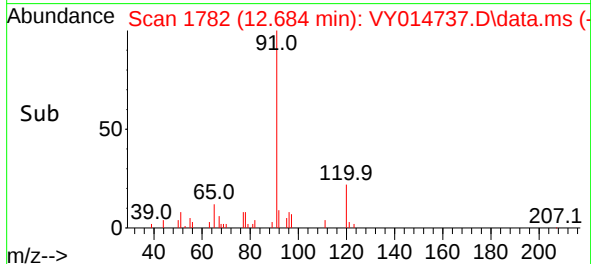
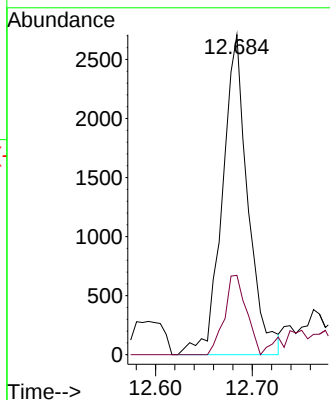
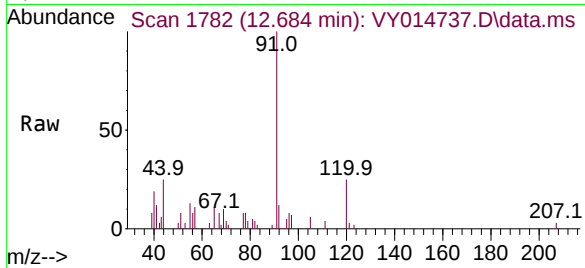




#78
n-propylbenzene
Concen: 2.249 ug/l
RT: 12.684 min Scan# 1782
Delta R.T. 0.018 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

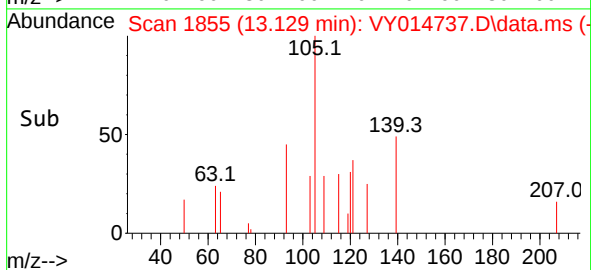
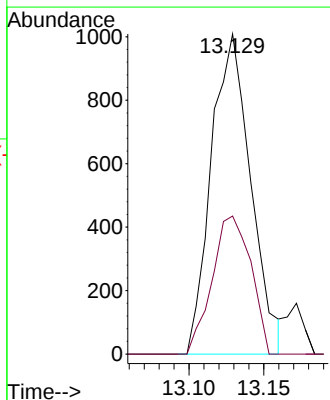
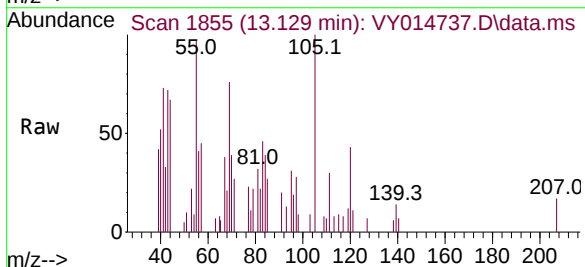
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-5

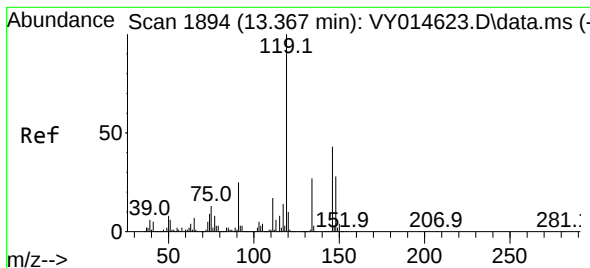
Tgt Ion: 91 Resp: 4982
Ion Ratio Lower Upper
91 100
120 21.2 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 1.228 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. 0.012 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Tgt Ion: 105 Resp: 1851
Ion Ratio Lower Upper
105 100
120 42.3 22.2 66.6

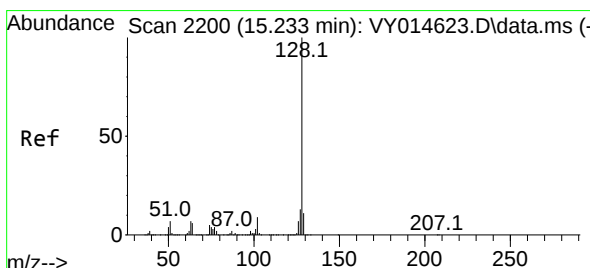
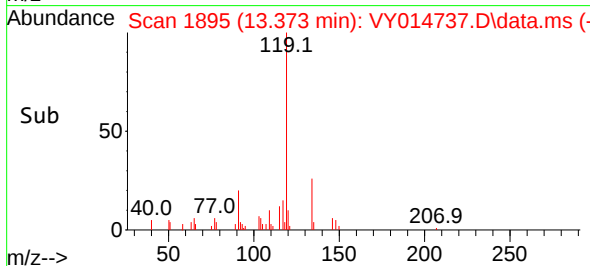
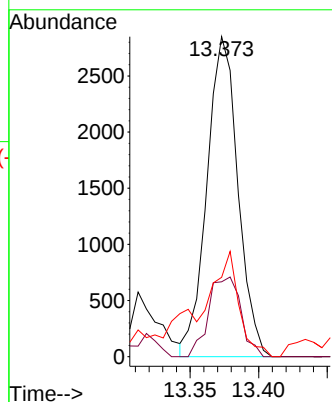
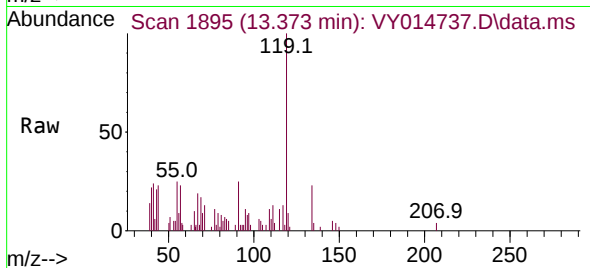




#86
p-Isopropyltoluene
Concen: 2.745 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-5

Tgt Ion:119 Resp: 4479
Ion Ratio Lower Upper
119 100
134 25.8 13.3 39.8
91 40.4 12.4 37.4#



#95
Naphthalene
Concen: 1.766 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.001 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Tgt Ion:128 Resp: 1955
Ion Ratio Lower Upper
128 100
127 6.4 10.8 16.2#
129 9.2 8.6 13.0

