

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040424\
 Data File : VY017844.D
 Acq On : 04 Apr 2024 11:14
 Operator : SY/MD
 Sample : P1954-03RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR21145RE

Quant Time: Apr 05 00:44:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

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

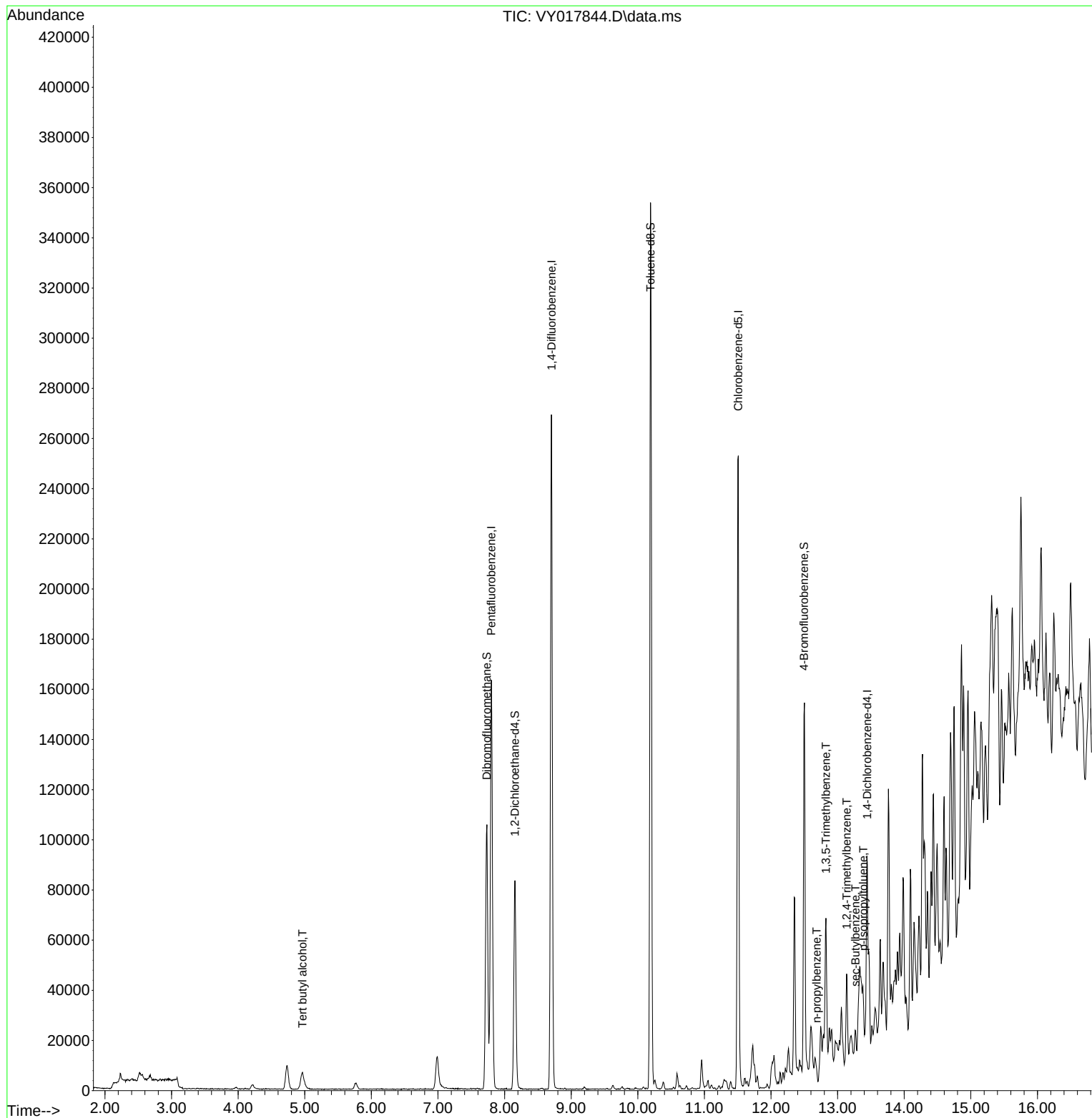
Internal Standards						
1) Pentafluorobenzene	7.801	168	127622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	228252	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	142245	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	19748	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	63396	57.405	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.820%	
35) Dibromofluoromethane	7.734	113	74065	56.155	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.300%	
50) Toluene-d8	10.191	98	235037	47.706	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.420%	
62) 4-Bromofluorobenzene	12.495	95	36417	24.295	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 48.580%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.966	59	12140	140.431	ug/l #	77
78) n-propylbenzene	12.684	91	2889	1.711	ug/l	94
80) 1,3,5-Trimethylbenzene	12.825	105	7281	6.741	ug/l	99
84) 1,2,4-Trimethylbenzene	13.136	105	17380	16.157	ug/l	98
85) sec-Butylbenzene	13.270	105	3066	2.080	ug/l #	78
86) p-Isopropyltoluene	13.385	119	8829	7.167	ug/l	93

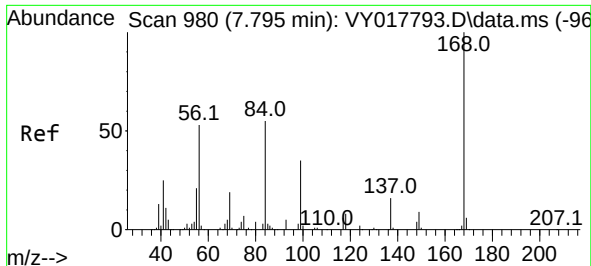
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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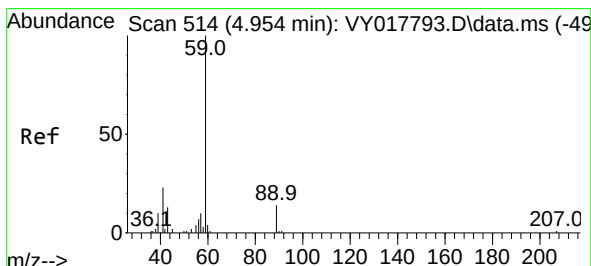
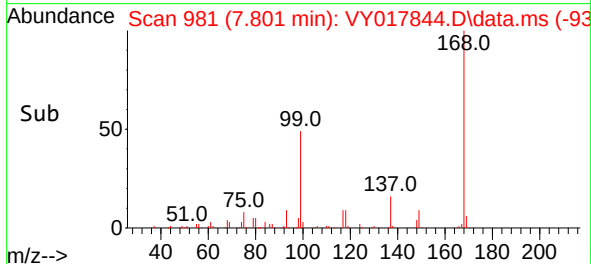
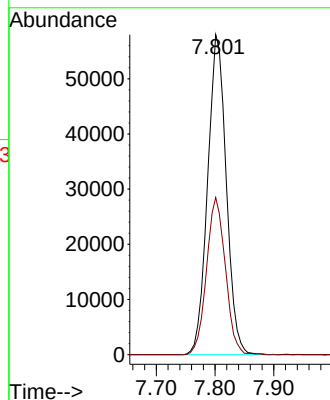
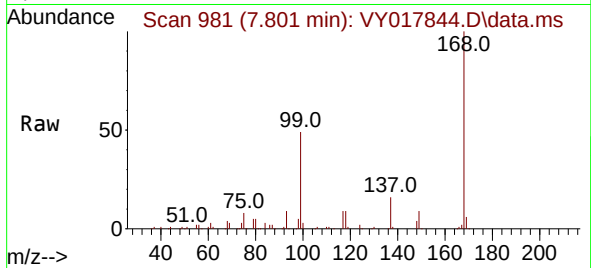




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY017844.D
Acq: 04 Apr 2024 11:14

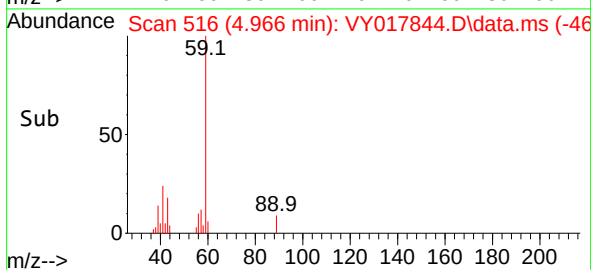
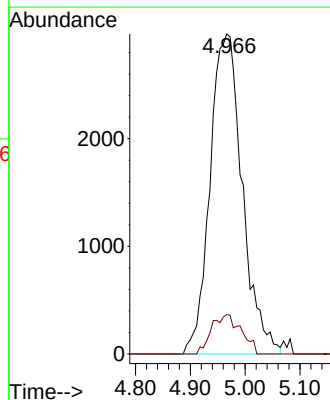
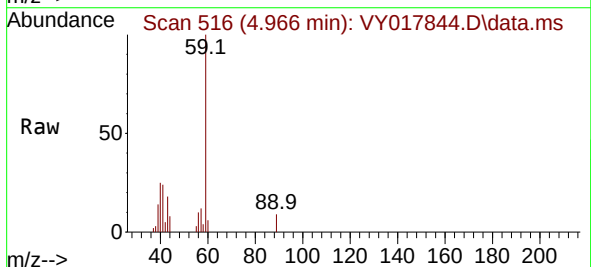
Instrument :
MSVOA_Y
ClientSampleId :
RBR21145RE

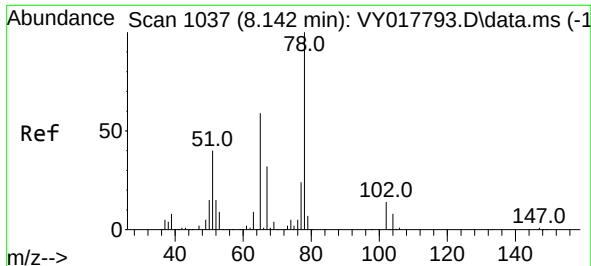
Tgt Ion:168 Resp: 127622
Ion Ratio Lower Upper
168 100
99 49.1 39.1 58.7



#11
Tert butyl alcohol
Concen: 140.431 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.012 min
Lab File: VY017844.D
Acq: 04 Apr 2024 11:14

Tgt Ion: 59 Resp: 12140
Ion Ratio Lower Upper
59 100
57 11.3 3.0 4.6#





#33

1,2-Dichloroethane-d4

Concen: 57.405 ug/l

RT: 8.155 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY017844.D

Acq: 04 Apr 2024 11:14

Instrument :

MSVOA_Y

ClientSampleId :

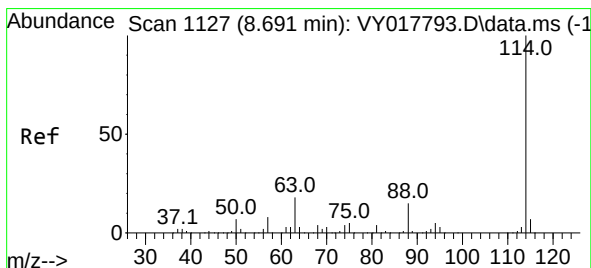
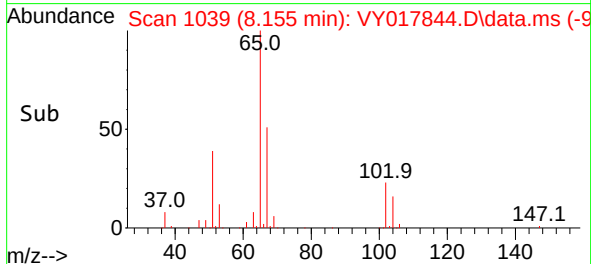
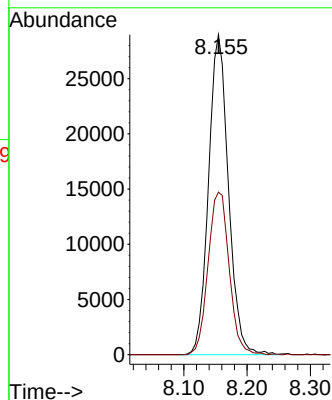
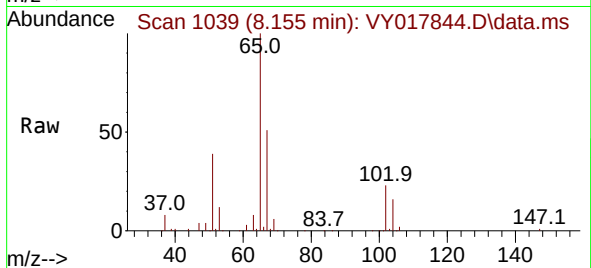
RBR21145RE

Tgt Ion: 65 Resp: 63396

Ion Ratio Lower Upper

65 100

67 53.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.012 min

Lab File: VY017844.D

Acq: 04 Apr 2024 11:14

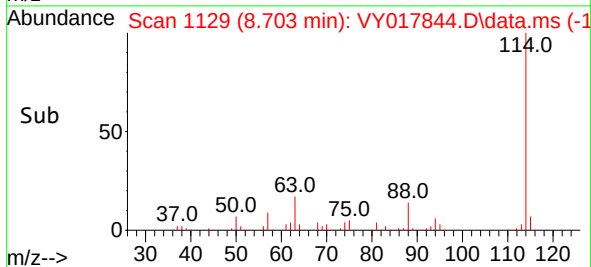
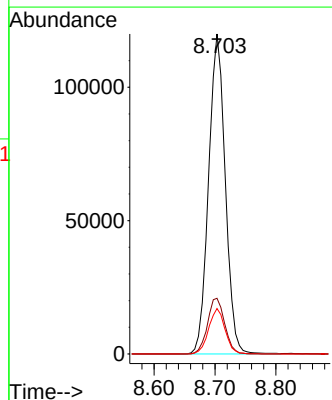
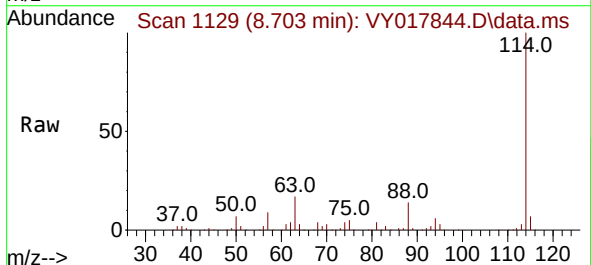
Tgt Ion: 114 Resp: 228252

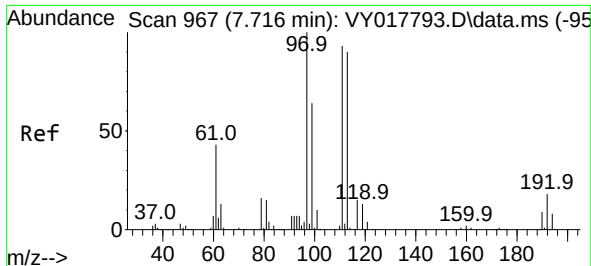
Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

88 14.2 0.0 27.2

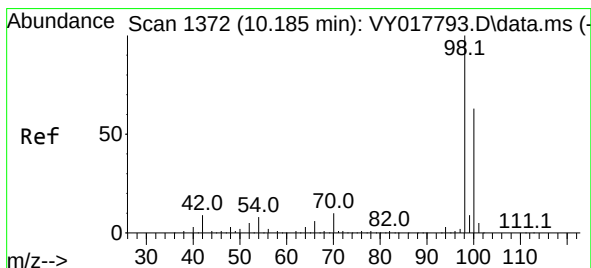
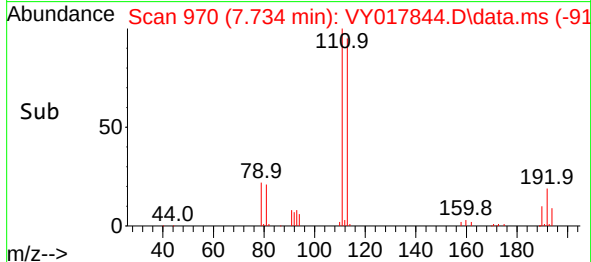
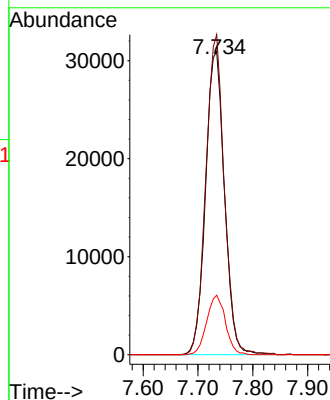
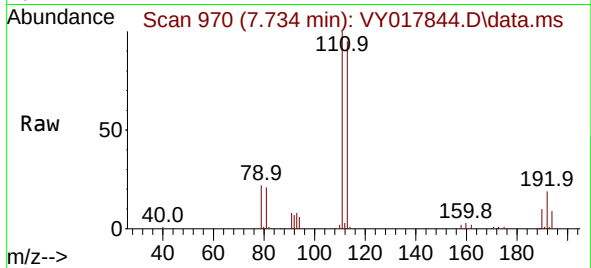




#35
Dibromofluoromethane
Concen: 56.155 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY017844.D
Acq: 04 Apr 2024 11:14

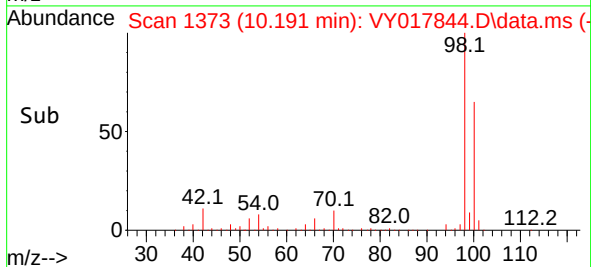
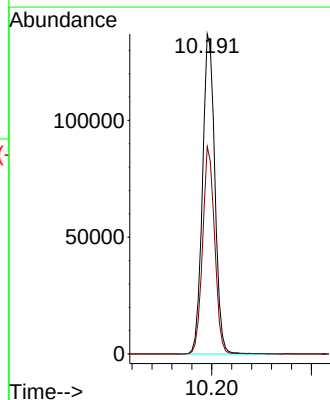
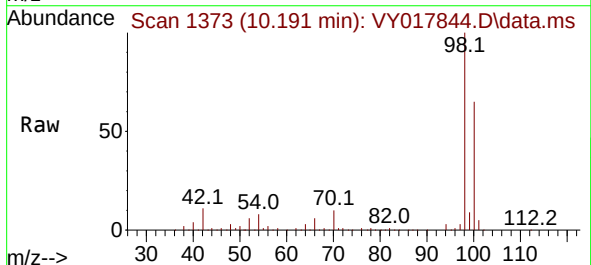
Instrument :
MSVOA_Y
ClientSampleId :
RBR21145RE

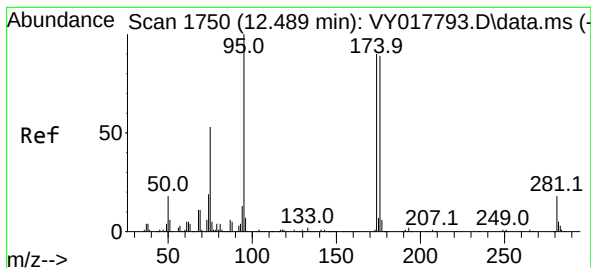
Tgt Ion:113 Resp: 74065
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 19.4 15.9 23.9



#50
Toluene-d8
Concen: 47.706 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY017844.D
Acq: 04 Apr 2024 11:14

Tgt Ion: 98 Resp: 235037
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0

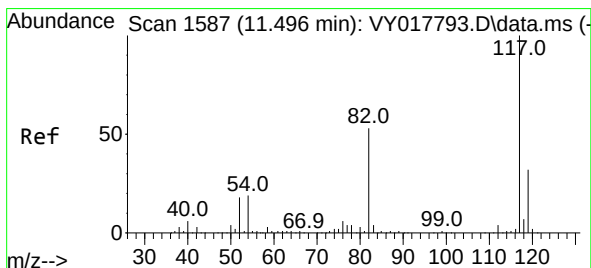
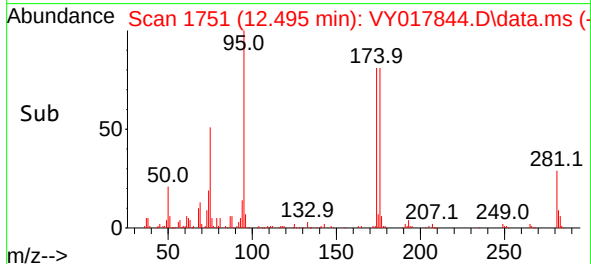
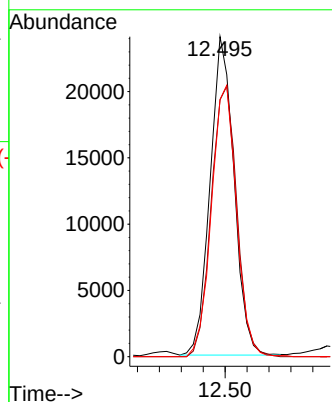
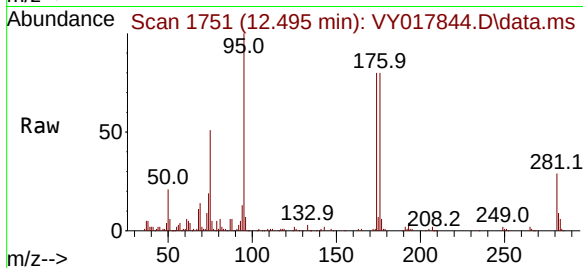




#62
4-Bromofluorobenzene
Concen: 24.295 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017844.D
Acq: 04 Apr 2024 11:14

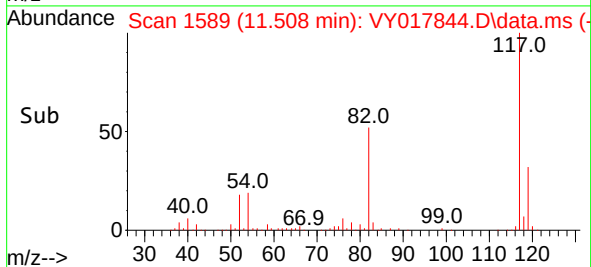
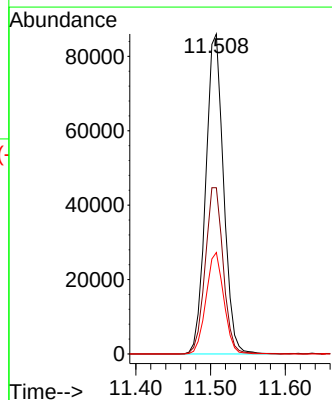
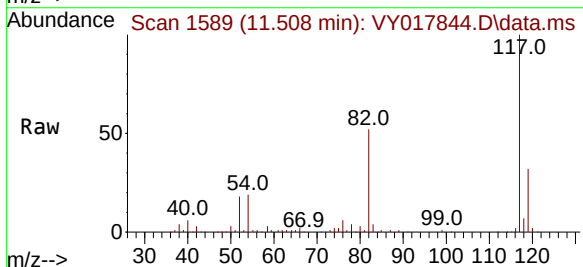
Instrument :
MSVOA_Y
ClientSampleId :
RBR21145RE

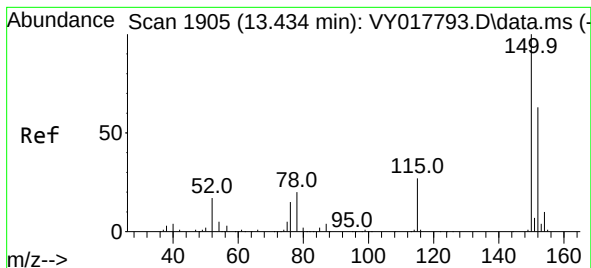
Tgt Ion: 95 Resp: 36417
Ion Ratio Lower Upper
95 100
174 91.1 0.0 175.6
176 89.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.012 min
Lab File: VY017844.D
Acq: 04 Apr 2024 11:14

Tgt Ion: 117 Resp: 142245
Ion Ratio Lower Upper
117 100
82 51.9 42.4 63.6
119 31.7 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY017844.D

Acq: 04 Apr 2024 11:14

Instrument :

MSVOA_Y

ClientSampleId :

RBR21145RE

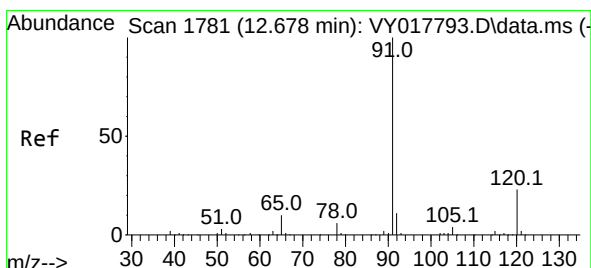
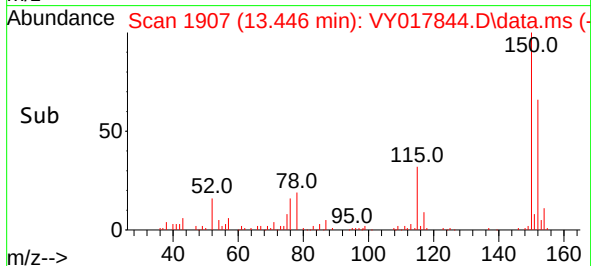
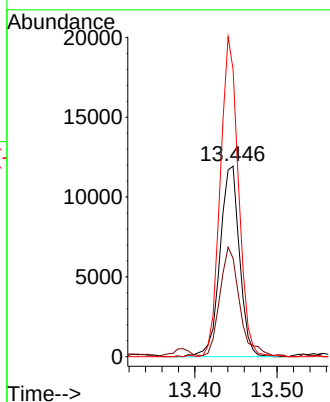
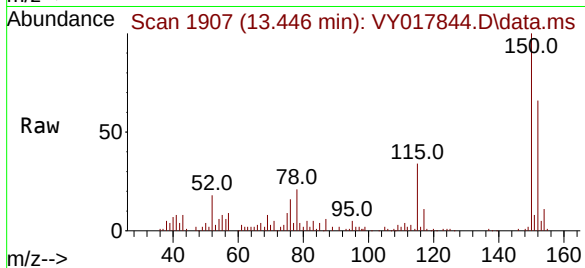
Tgt Ion:152 Resp: 19748

Ion Ratio Lower Upper

152 100

115 58.6 28.2 84.7

150 156.4 0.0 345.6



#78

n-propylbenzene

Concen: 1.711 ug/l

RT: 12.684 min Scan# 1782

Delta R.T. 0.006 min

Lab File: VY017844.D

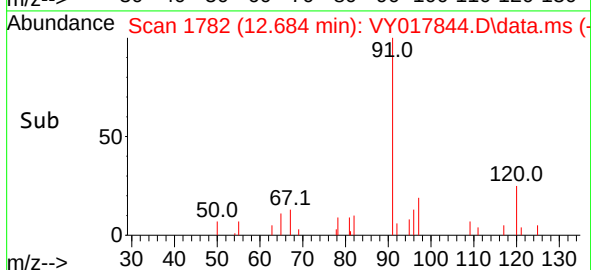
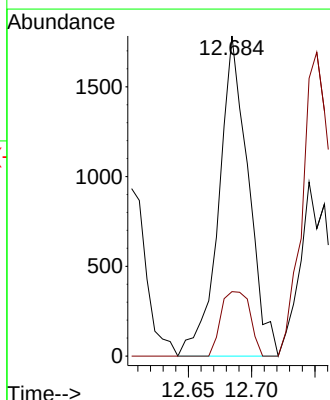
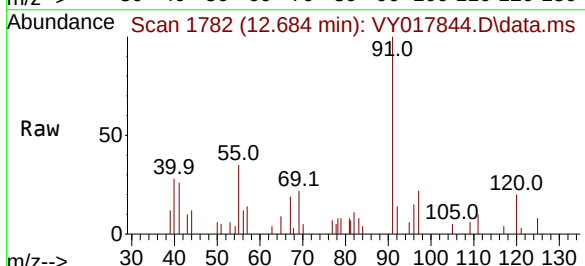
Acq: 04 Apr 2024 11:14

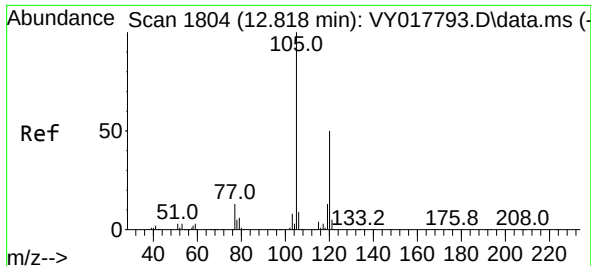
Tgt Ion: 91 Resp: 2889

Ion Ratio Lower Upper

91 100

120 19.8 11.5 34.4

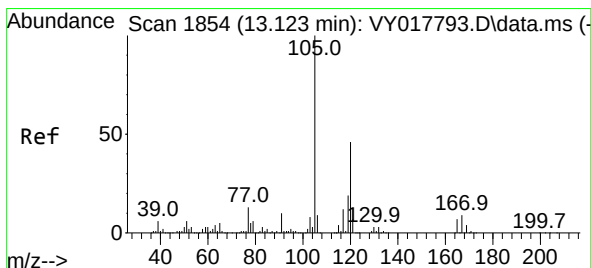
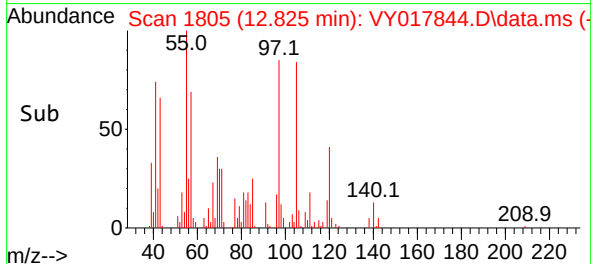
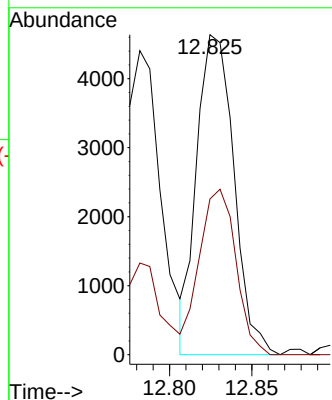
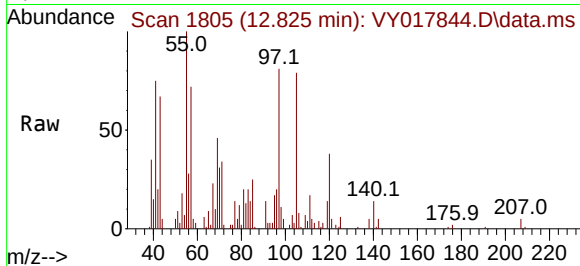




#80
1,3,5-Trimethylbenzene
Concen: 6.741 ug/l
RT: 12.825 min Scan# 1805
Delta R.T. 0.006 min
Lab File: VY017844.D
Acq: 04 Apr 2024 11:14

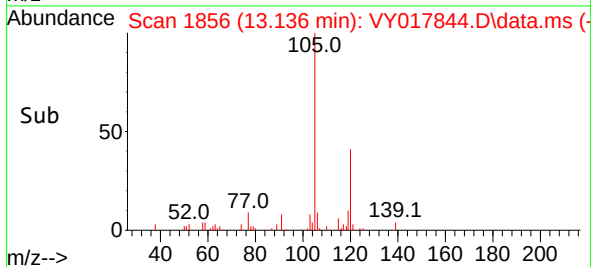
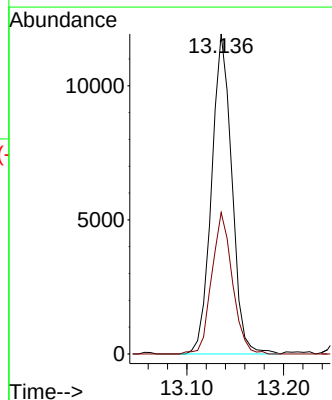
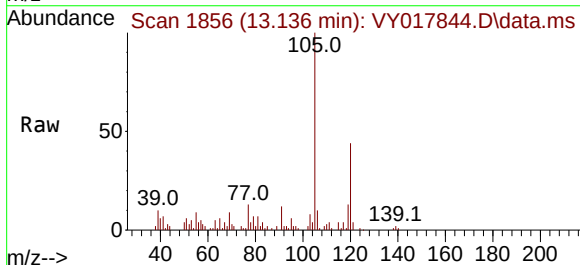
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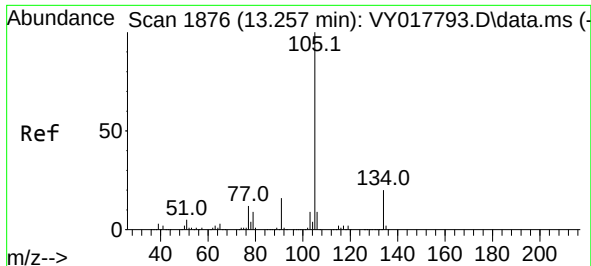
Tgt Ion:105 Resp: 7281
Ion Ratio Lower Upper
105 100
120 50.9 25.1 75.2



#84
1,2,4-Trimethylbenzene
Concen: 16.157 ug/l
RT: 13.136 min Scan# 1856
Delta R.T. 0.012 min
Lab File: VY017844.D
Acq: 04 Apr 2024 11:14

Tgt Ion:105 Resp: 17380
Ion Ratio Lower Upper
105 100
120 44.9 23.2 69.6

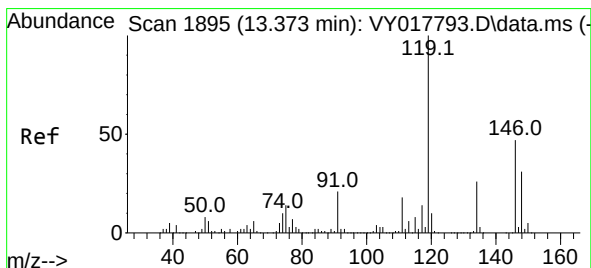
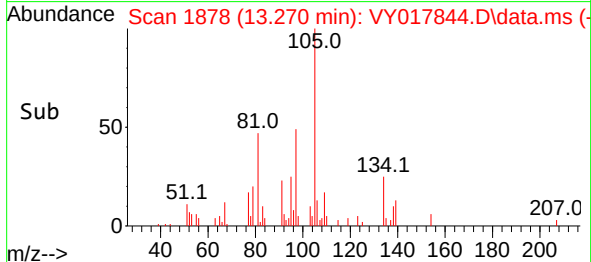
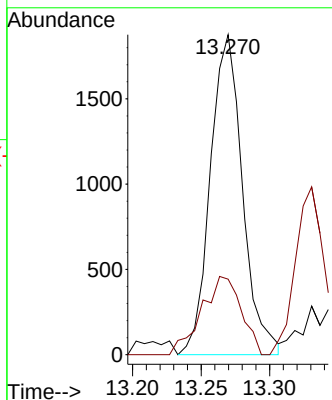
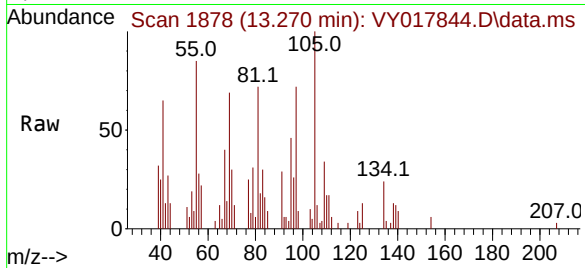




#85
 sec-Butylbenzene
 Concen: 2.080 ug/l
 RT: 13.270 min Scan# 1876
 Delta R.T. 0.012 min
 Lab File: VY017844.D
 Acq: 04 Apr 2024 11:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR21145RE

Tgt Ion:105 Resp: 3066
 Ion Ratio Lower Upper
 105 100
 134 30.2 10.1 30.1#



#86
 p-Isopropyltoluene
 Concen: 7.167 ug/l
 RT: 13.385 min Scan# 1897
 Delta R.T. 0.012 min
 Lab File: VY017844.D
 Acq: 04 Apr 2024 11:14

Tgt Ion:119 Resp: 8829
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.1 39.3
 91 15.8 10.7 32.1

