

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040324\
 Data File : VY017829.D
 Acq On : 03 Apr 2024 12:12
 Operator : SY/MD
 Sample : P1954-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR21145

Quant Time: Apr 04 01:10:07 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)

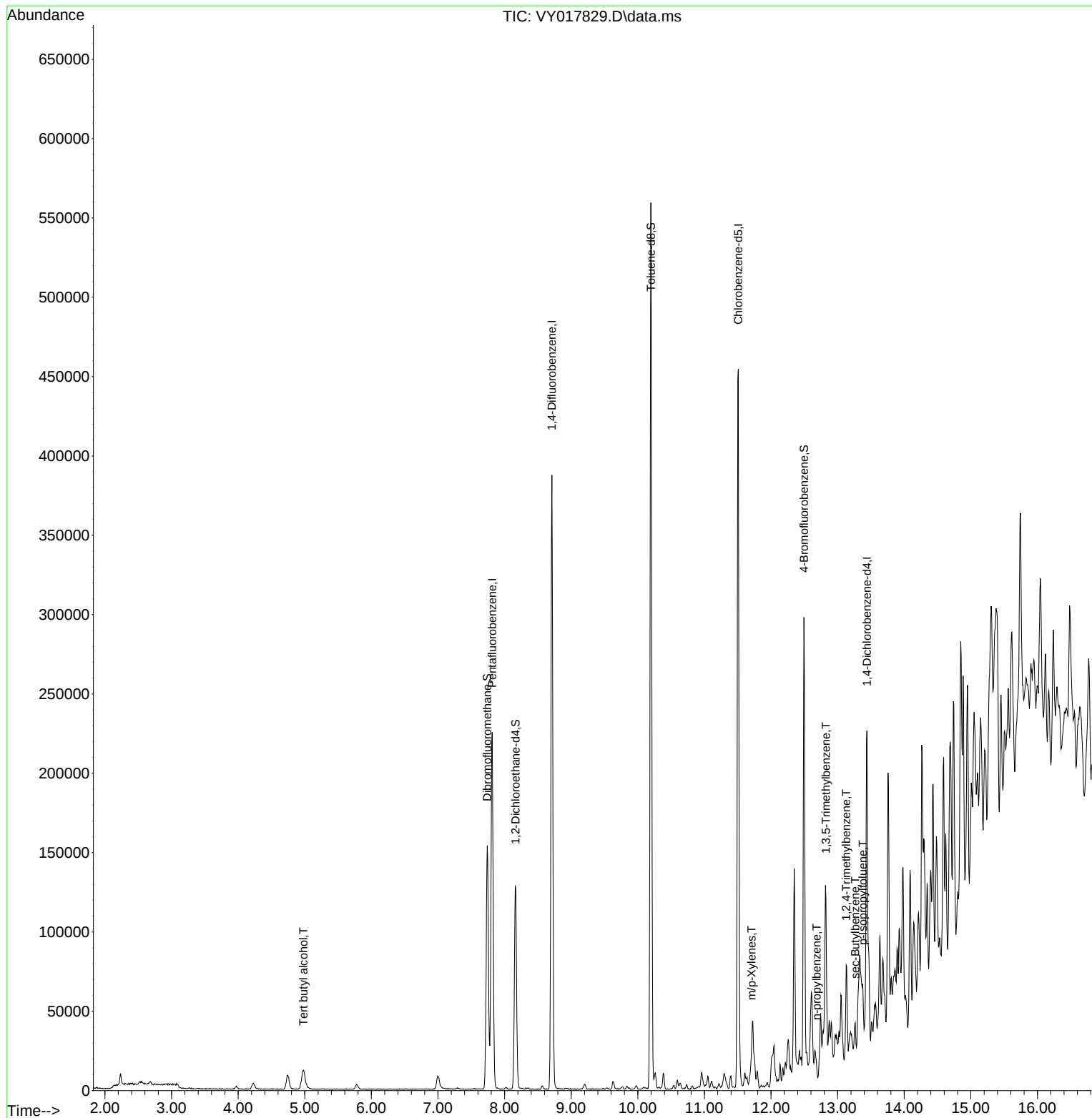
Internal Standards						
1) Pentafluorobenzene	7.813	168	182532	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.709	114	332874	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.508	117	253541	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	51331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	101595	64.320	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.640%	
35) Dibromofluoromethane	7.740	113	110312	57.350	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.700%	
50) Toluene-d8	10.197	98	361710	50.342	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.680%	
62) 4-Bromofluorobenzene	12.495	95	79785	36.497	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 73.000%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	23303	197.838	ug/l #	81
68) m/p-Xylenes	11.709	106	6502	1.918	ug/l	87
78) n-propylbenzene	12.684	91	5409	1.232	ug/l	92
80) 1,3,5-Trimethylbenzene	12.824	105	12305	4.383	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	30822	11.023	ug/l	100
85) sec-Butylbenzene	13.263	105	4857	1.268	ug/l	83
86) p-Isopropyltoluene	13.379	119	13268	4.143	ug/l	96

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

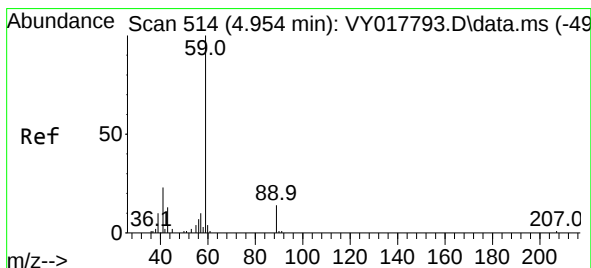
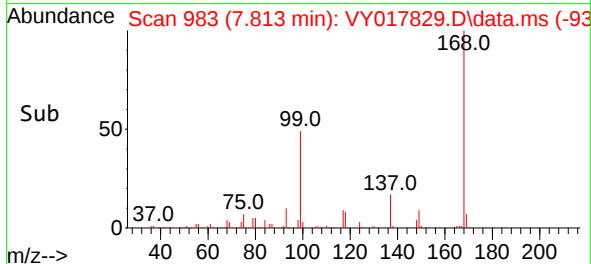
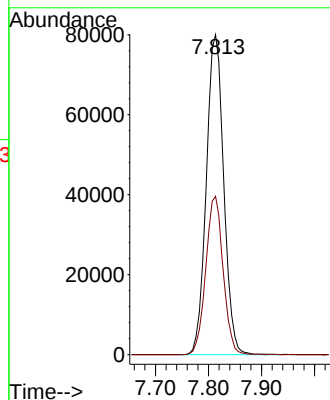
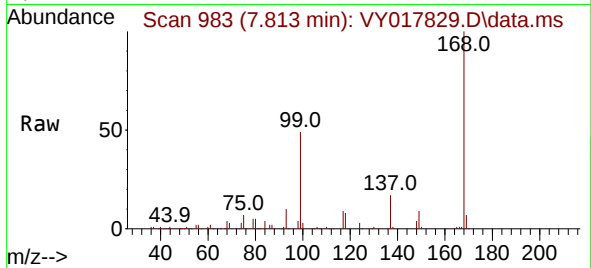




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY017829.D
Acq: 03 Apr 2024 12:12

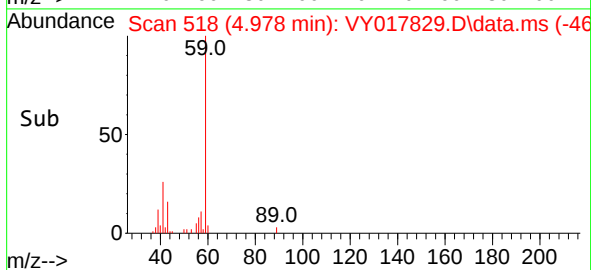
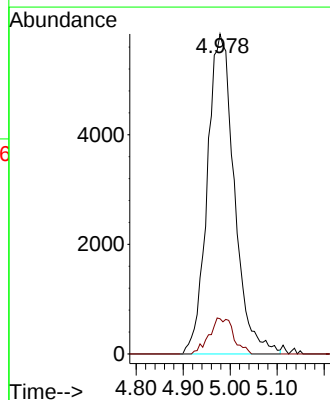
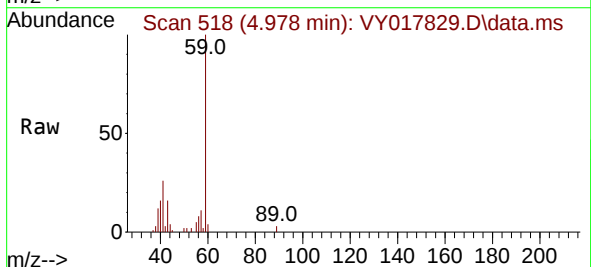
Instrument :
MSVOA_Y
ClientSampleId :
RBR21145

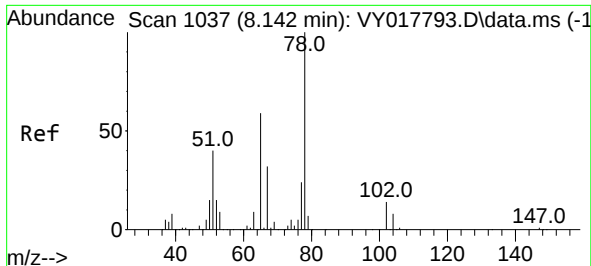
Tgt Ion:168 Resp: 182532
Ion Ratio Lower Upper
168 100
99 49.5 39.1 58.7



#11
Tert butyl alcohol
Concen: 197.838 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.024 min
Lab File: VY017829.D
Acq: 03 Apr 2024 12:12

Tgt Ion: 59 Resp: 23303
Ion Ratio Lower Upper
59 100
57 10.0 3.0 4.6#





#33

1,2-Dichloroethane-d4

Concen: 64.320 ug/l

RT: 8.167 min Scan# 110

Delta R.T. 0.024 min

Lab File: VY017829.D

Acq: 03 Apr 2024 12:12

Instrument :

MSVOA_Y

ClientSampleId :

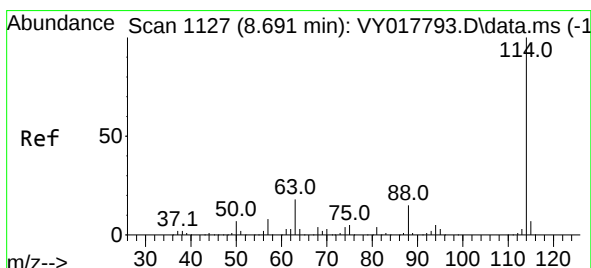
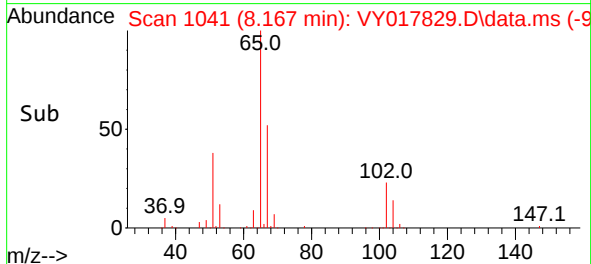
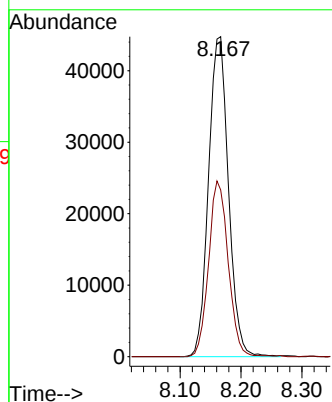
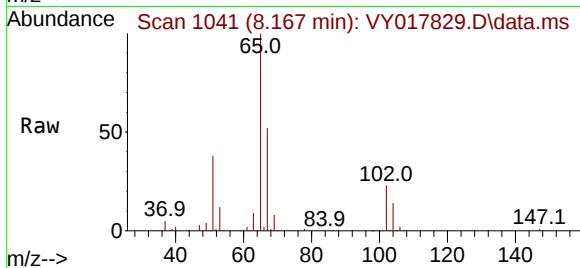
RBR21145

Tgt Ion: 65 Resp: 101595

Ion Ratio Lower Upper

65 100

67 54.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1130

Delta R.T. 0.018 min

Lab File: VY017829.D

Acq: 03 Apr 2024 12:12

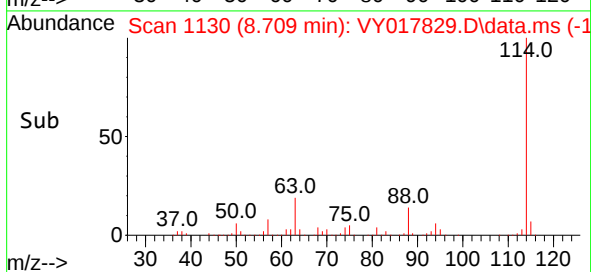
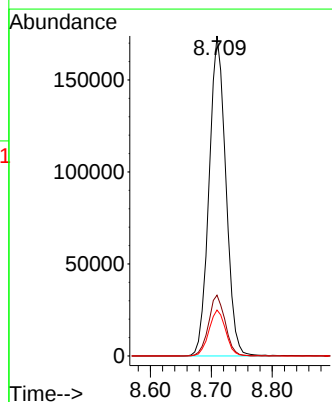
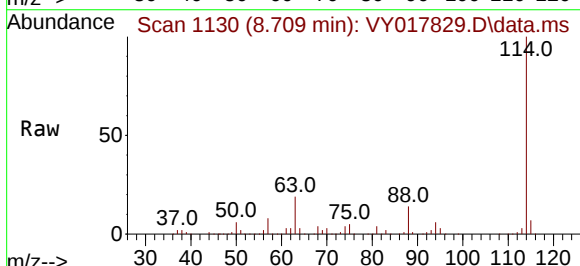
Tgt Ion: 114 Resp: 332874

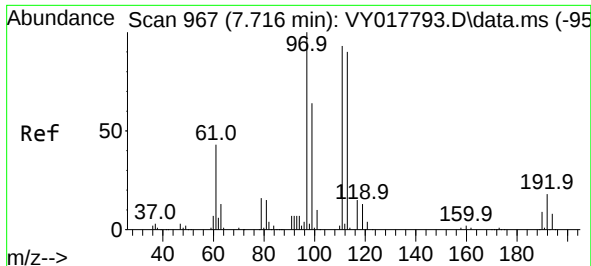
Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.0

88 14.4 0.0 27.2

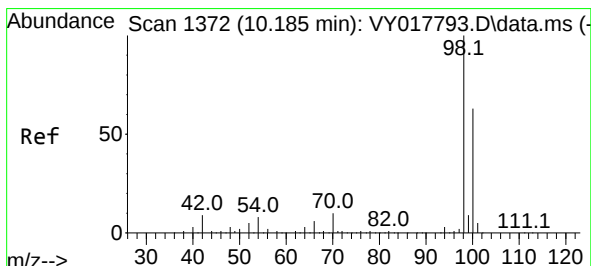
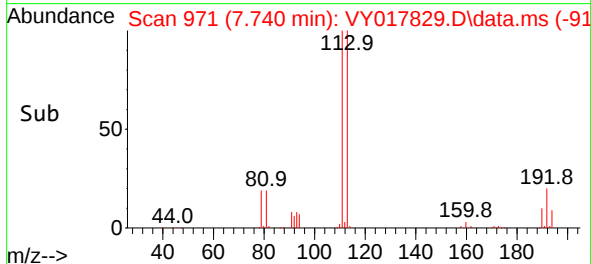
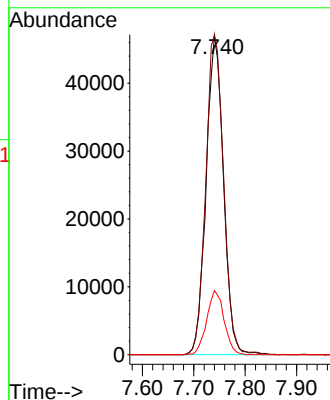
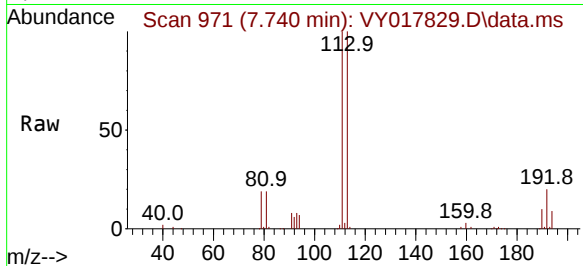




#35
Dibromofluoromethane
Concen: 57.350 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY017829.D
Acq: 03 Apr 2024 12:12

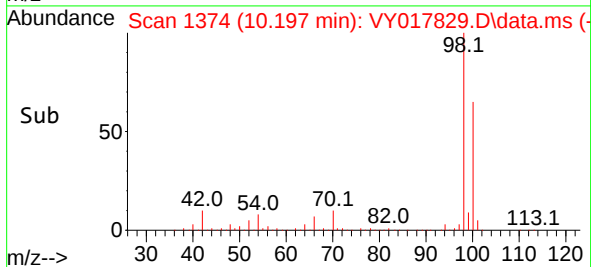
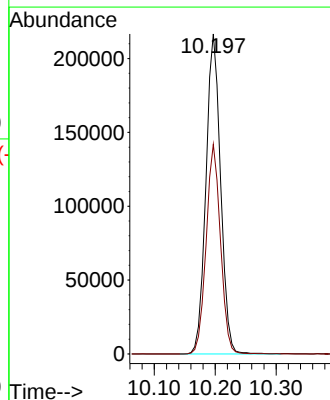
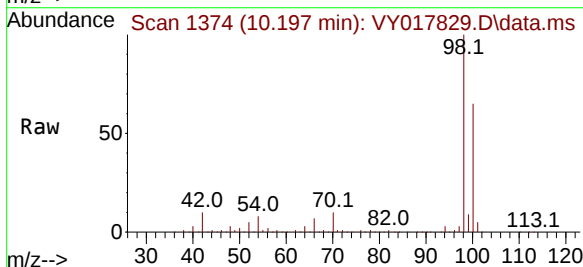
Instrument :
MSVOA_Y
ClientSampleId :
RBR21145

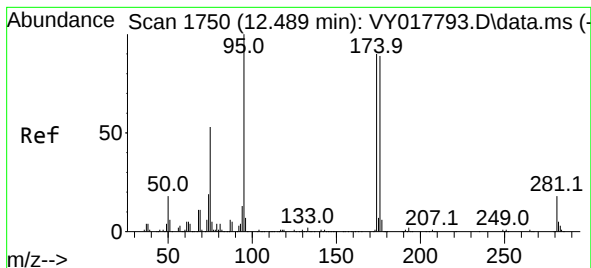
Tgt Ion:113 Resp: 110312
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 20.1 15.9 23.9



#50
Toluene-d8
Concen: 50.342 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.012 min
Lab File: VY017829.D
Acq: 03 Apr 2024 12:12

Tgt Ion: 98 Resp: 361710
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0

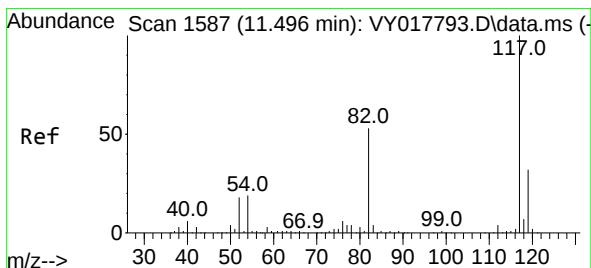
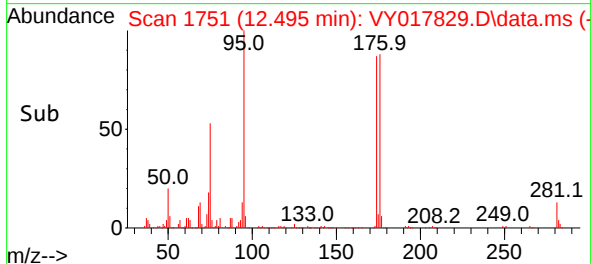
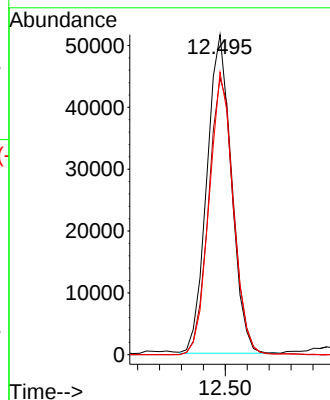
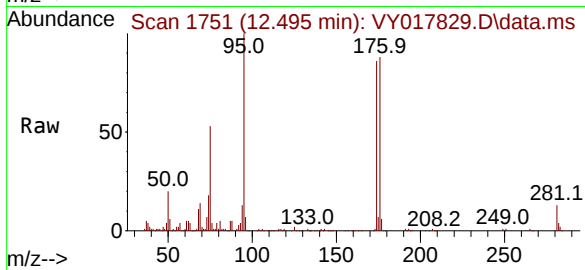




#62
4-Bromofluorobenzene
Concen: 36.497 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY017829.D
Acq: 03 Apr 2024 12:12

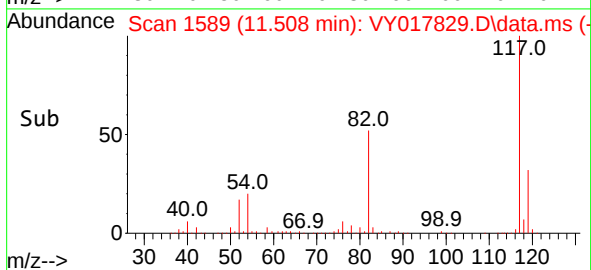
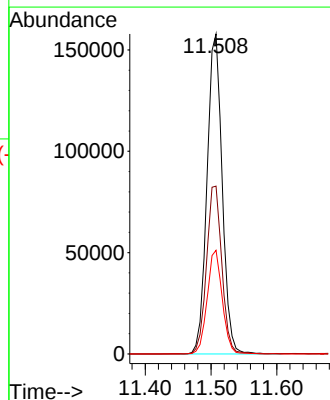
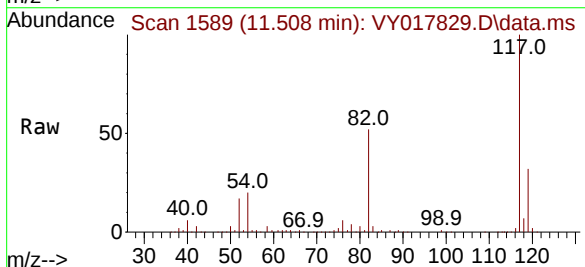
Instrument :
MSVOA_Y
ClientSampleId :
RBR21145

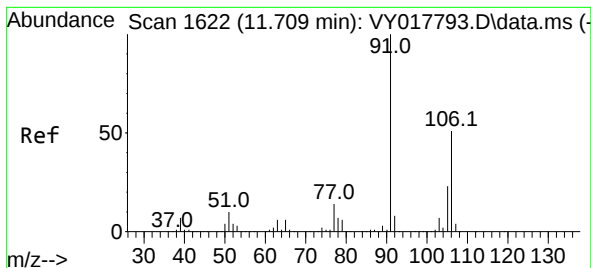
Tgt Ion: 95 Resp: 79785
Ion Ratio Lower Upper
95 100
174 89.8 0.0 175.6
176 87.0 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.012 min
Lab File: VY017829.D
Acq: 03 Apr 2024 12:12

Tgt Ion: 117 Resp: 253541
Ion Ratio Lower Upper
117 100
82 52.4 42.4 63.6
119 32.4 25.9 38.9

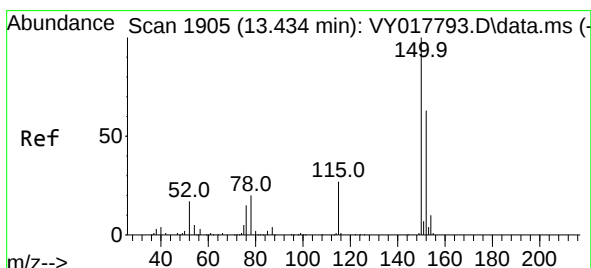
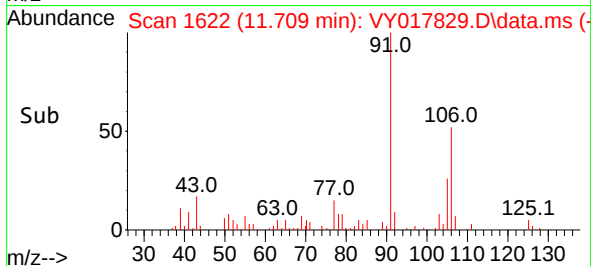
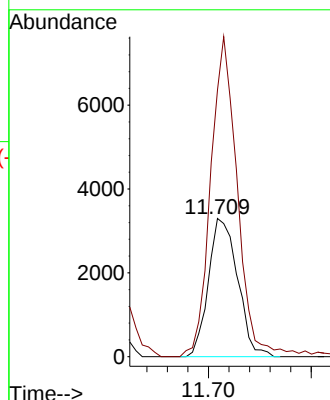
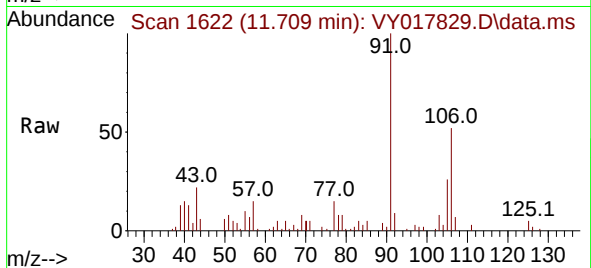




#68
m/p-Xylenes
Concen: 1.918 ug/l
RT: 11.709 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY017829.D
Acq: 03 Apr 2024 12:12

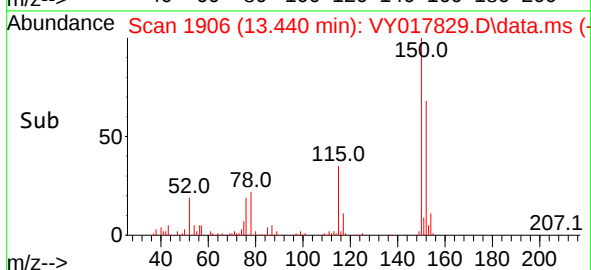
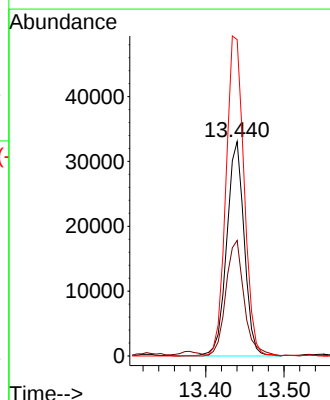
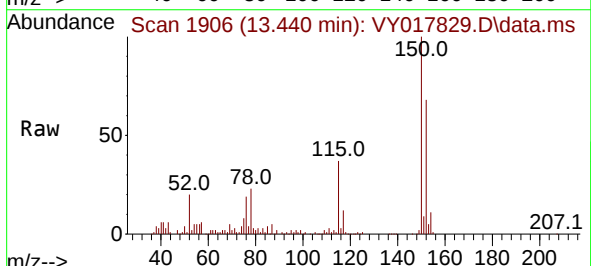
Instrument :
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ClientSampleId :
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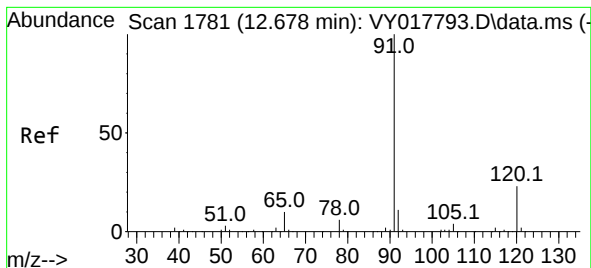
Tgt Ion:106 Resp: 6502
Ion Ratio Lower Upper
106 100
91 214.3 156.0 234.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY017829.D
Acq: 03 Apr 2024 12:12

Tgt Ion:152 Resp: 51331
Ion Ratio Lower Upper
152 100
115 56.7 28.2 84.7
150 154.3 0.0 345.6





#78

n-propylbenzene

Concen: 1.232 ug/l

RT: 12.684 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017829.D

Acq: 03 Apr 2024 12:12

Instrument :

MSVOA_Y

ClientSampleId :

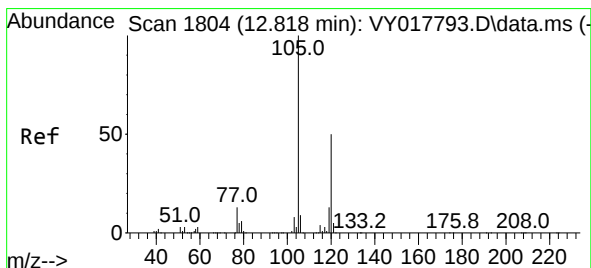
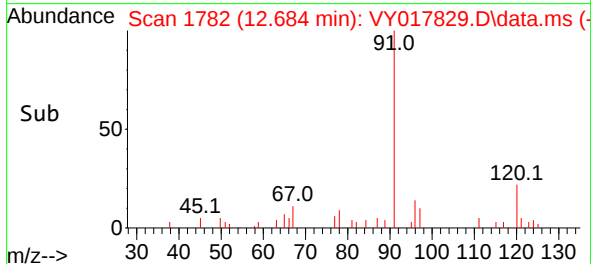
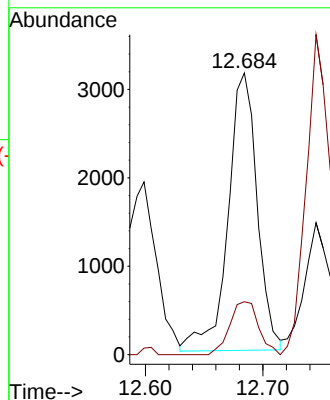
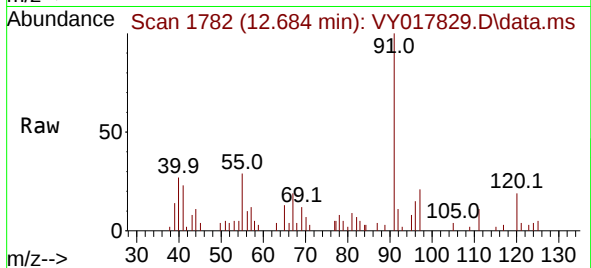
RBR21145

Tgt Ion: 91 Resp: 5409

Ion Ratio Lower Upper

91 100

120 18.9 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 4.383 ug/l

RT: 12.824 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VY017829.D

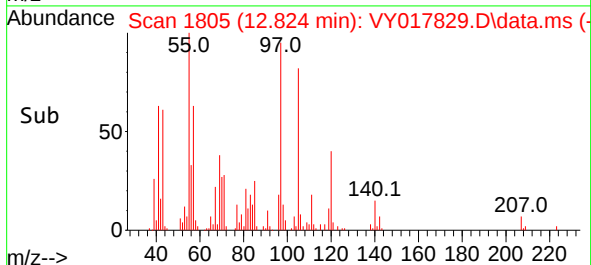
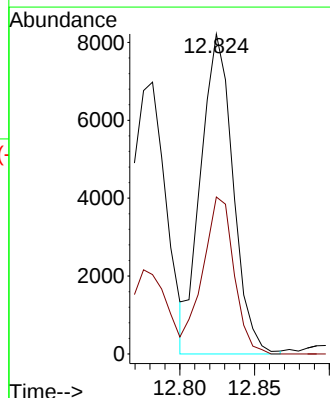
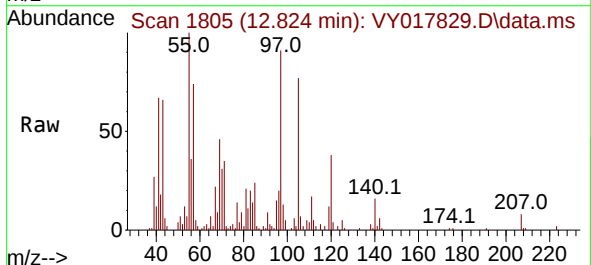
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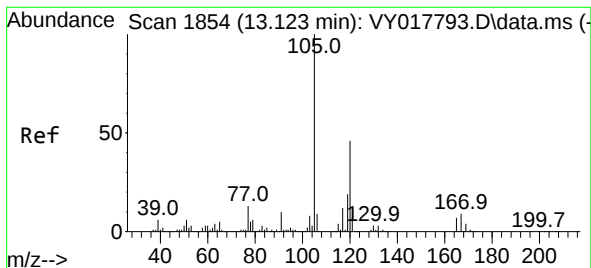
Tgt Ion:105 Resp: 12305

Ion Ratio Lower Upper

105 100

120 47.8 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 11.023 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. 0.006 min

Lab File: VY017829.D

Acq: 03 Apr 2024 12:12

Instrument :

MSVOA_Y

ClientSampleId :

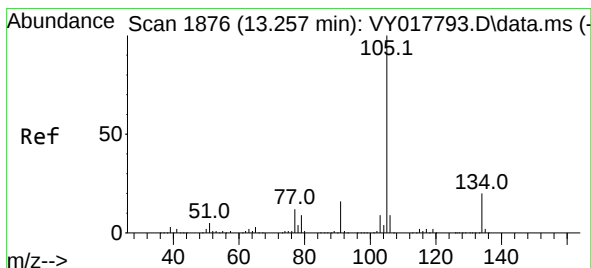
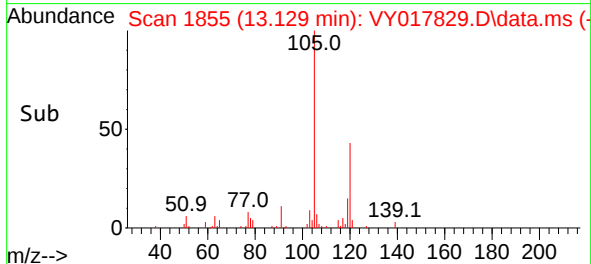
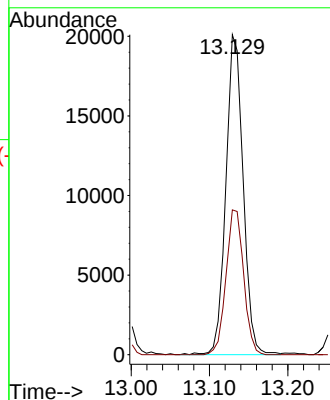
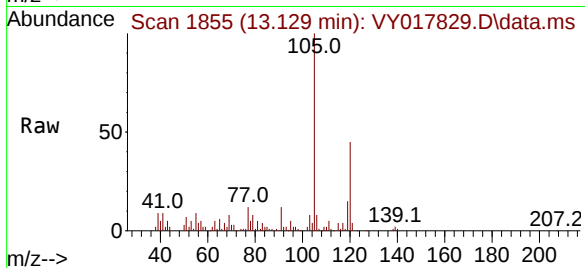
RBR21145

Tgt Ion:105 Resp: 30822

Ion Ratio Lower Upper

105 100

120 46.3 23.2 69.6



#85

sec-Butylbenzene

Concen: 1.268 ug/l

RT: 13.263 min Scan# 1877

Delta R.T. 0.006 min

Lab File: VY017829.D

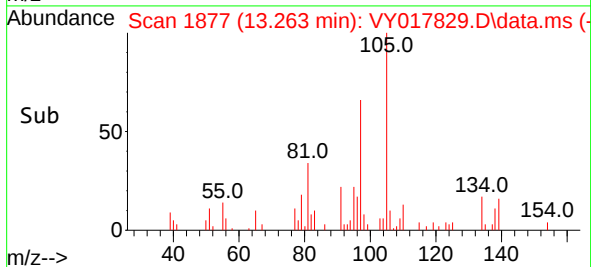
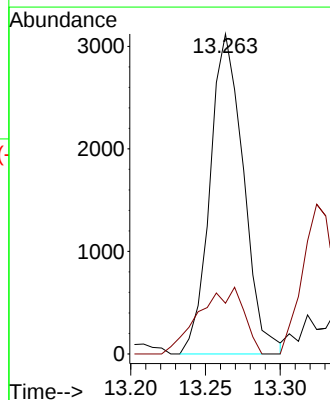
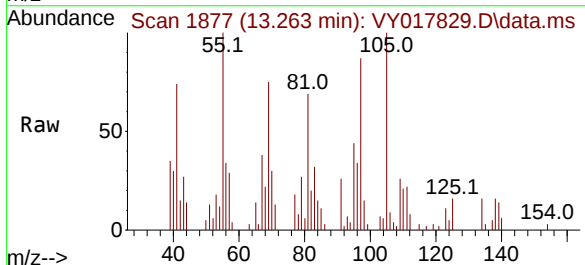
Acq: 03 Apr 2024 12:12

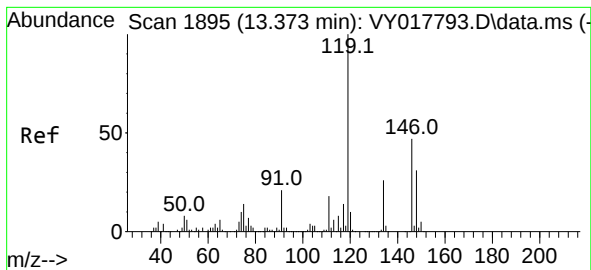
Tgt Ion:105 Resp: 4857

Ion Ratio Lower Upper

105 100

134 27.7 10.1 30.1





#86

p-Isopropyltoluene

Concen: 4.143 ug/l

RT: 13.379 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017829.D

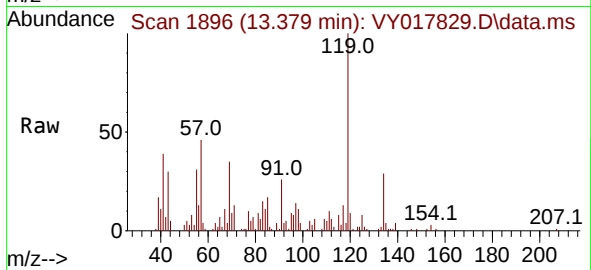
Acq: 03 Apr 2024 12:12

Instrument :

MSVOA_Y

ClientSampleId :

RBR21145



Tgt Ion:119 Resp: 13268

Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

91 17.8 10.7 32.1

