

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022592.D
 Acq On : 06 Jun 2025 12:03
 Operator : SY/MD
 Sample : Q2214-01
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR251425

Quant Time: Jun 06 17:24:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

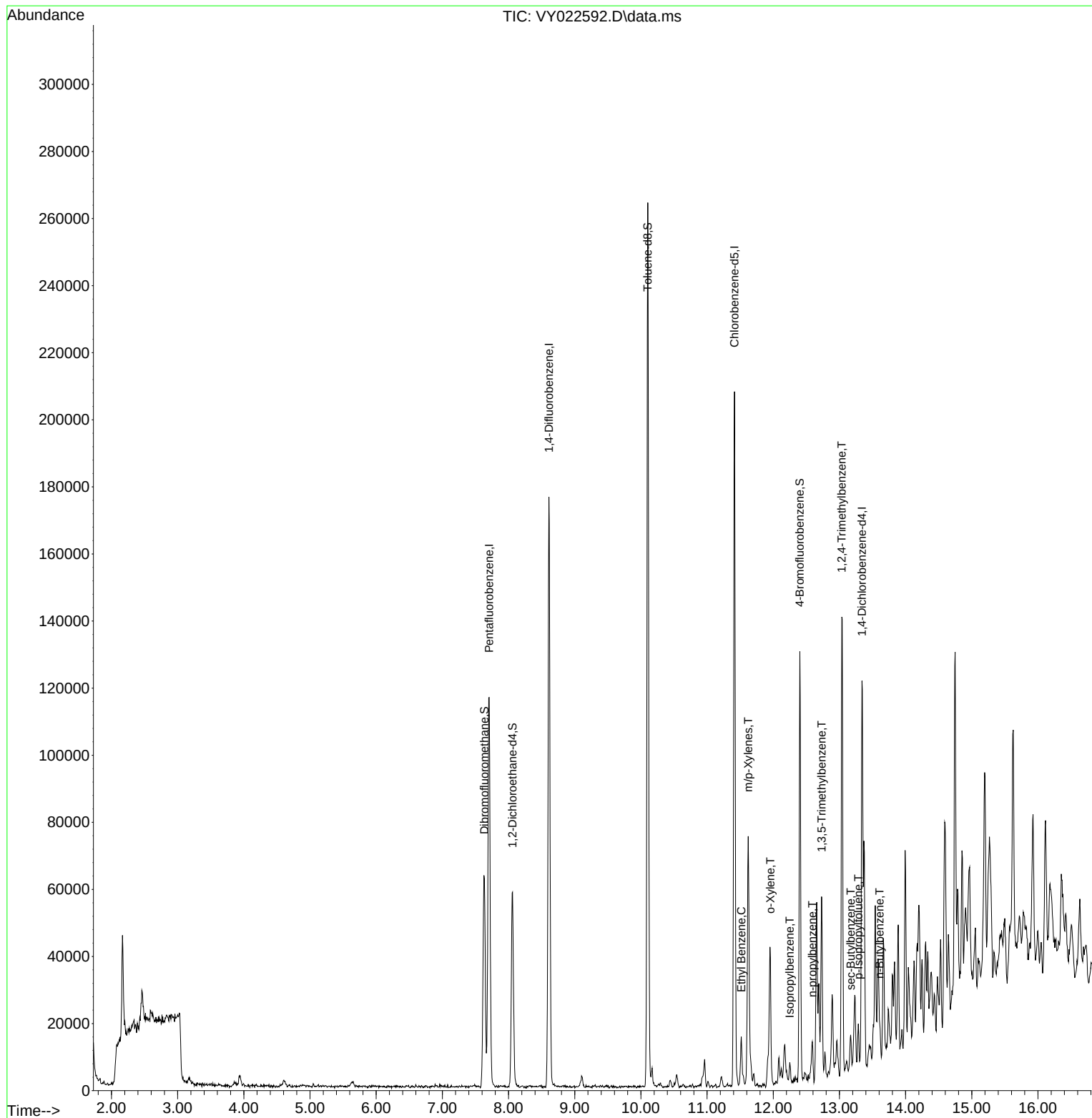
Internal Standards						
1) Pentafluorobenzene	7.707	168	84603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	143142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	100656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	27148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	44195	46.706	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.420%		
35) Dibromofluoromethane	7.634	113	44010	51.511	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.020%		
50) Toluene-d8	10.103	98	164204	47.564	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.120%		
62) 4-Bromofluorobenzene	12.402	95	33780	32.841	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	65.680%		
Target Compounds						Qvalue
67) Ethyl Benzene	11.518	91	8940	2.164	ug/l	98
68) m/p-Xylenes	11.621	106	20055	12.805	ug/l	96
69) o-Xylene	11.957	106	9790	6.667	ug/l	94
73) Isopropylbenzene	12.249	105	3540	1.588	ug/l	97
78) n-propylbenzene	12.591	91	9879	3.629	ug/l	95
80) 1,3,5-Trimethylbenzene	12.731	105	19147	10.942	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	70102	40.055	ug/l	99
85) sec-Butylbenzene	13.170	105	5118	2.128	ug/l	87
86) p-Isopropyltoluene	13.286	119	5665	2.857	ug/l	99
89) n-Butylbenzene	13.609	91	3680	1.956	ug/l #	67

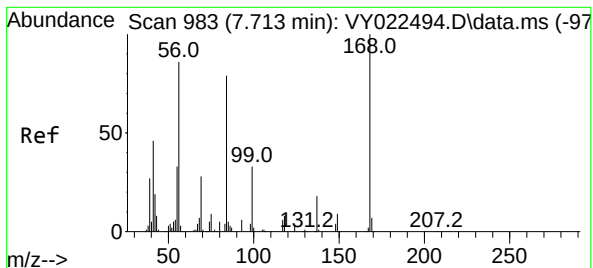
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022592.D

Acq: 06 Jun 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

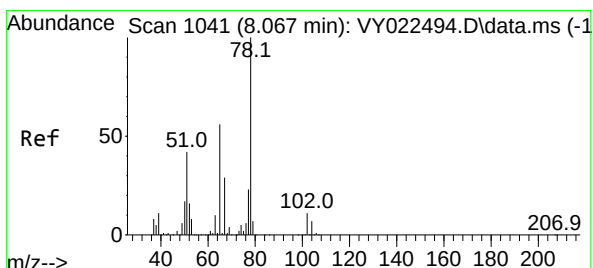
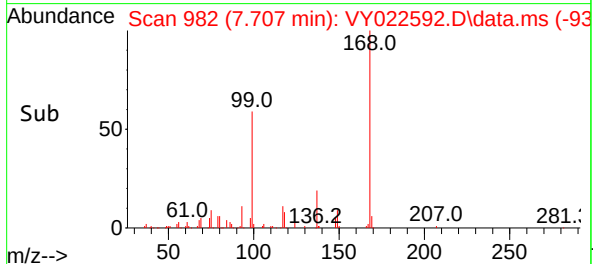
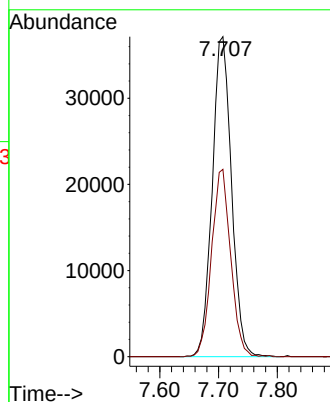
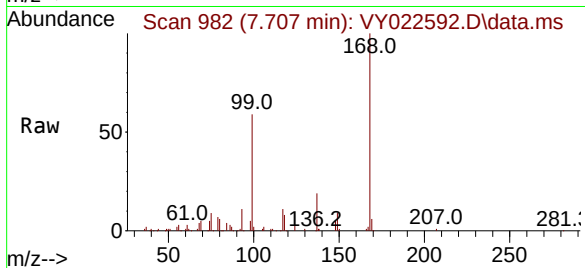
RBR251425

Tgt Ion:168 Resp: 84603

Ion Ratio Lower Upper

168 100

99 58.5 44.3 66.5



#33

1,2-Dichloroethane-d4

Concen: 46.706 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY022592.D

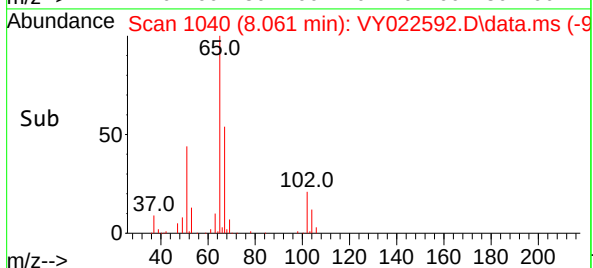
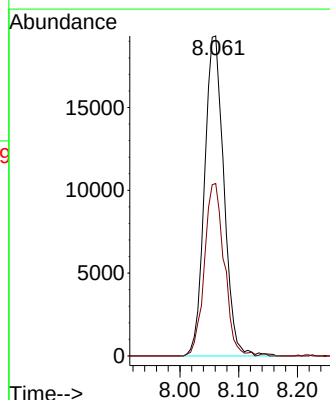
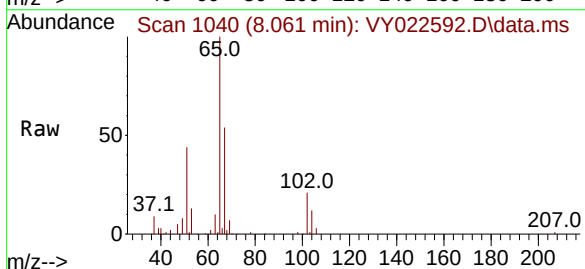
Acq: 06 Jun 2025 12:03

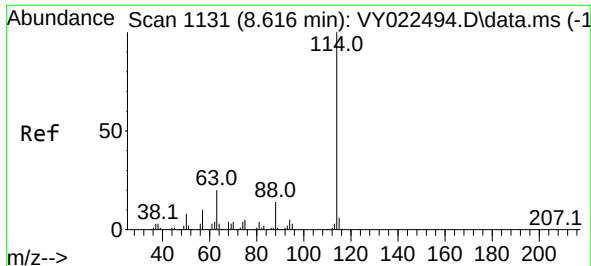
Tgt Ion: 65 Resp: 44195

Ion Ratio Lower Upper

65 100

67 55.1 0.0 103.4

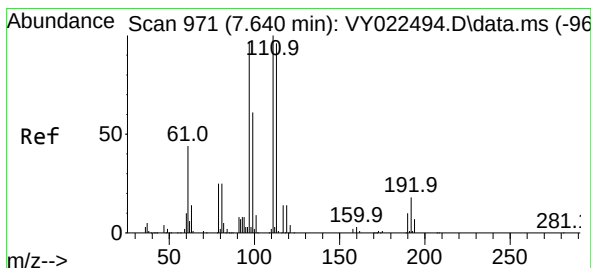
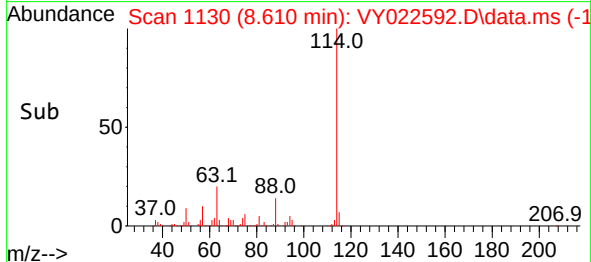
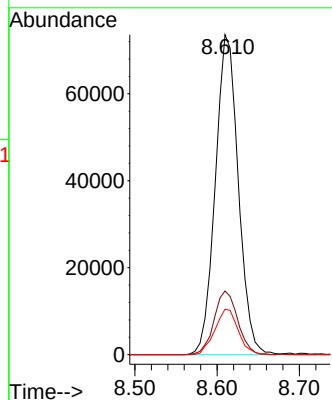
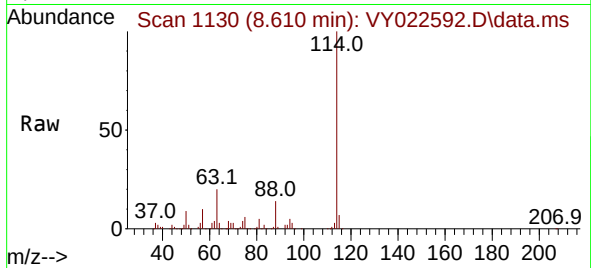




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.610 min Scan# 1131
 Delta R.T. -0.006 min
 Lab File: VY022592.D
 Acq: 06 Jun 2025 12:03

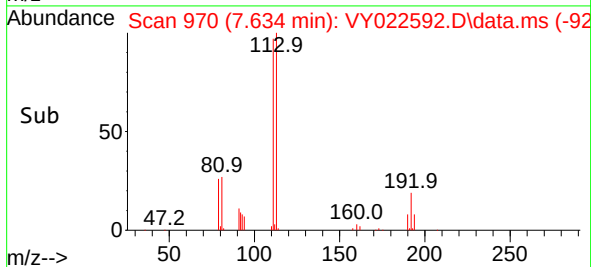
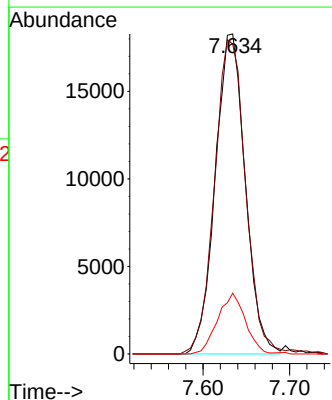
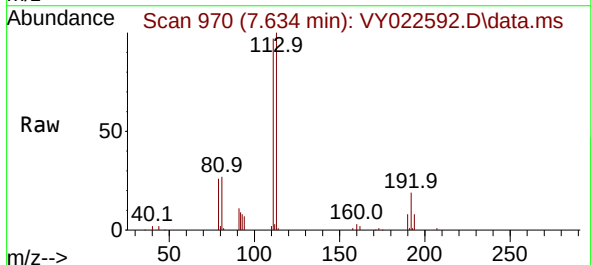
Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR251425

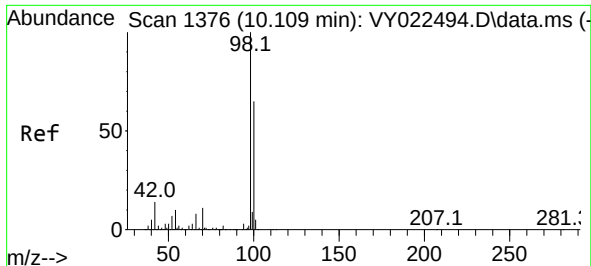
Tgt Ion:114 Resp: 143142
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.8
 88 14.2 0.0 27.8



#35
 Dibromofluoromethane
 Concen: 51.511 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. -0.006 min
 Lab File: VY022592.D
 Acq: 06 Jun 2025 12:03

Tgt Ion:113 Resp: 44010
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.1 121.7
 192 17.7 14.2 21.2

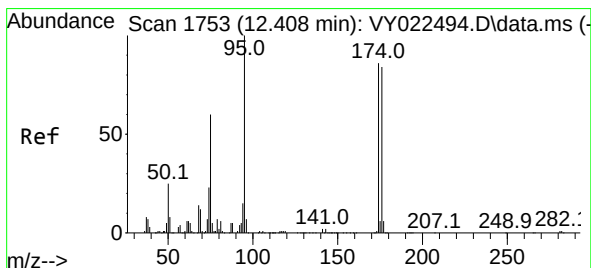
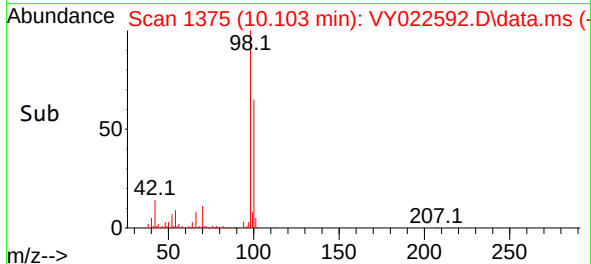
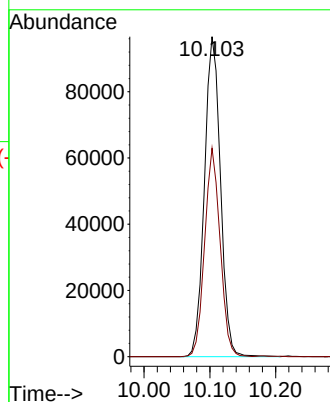
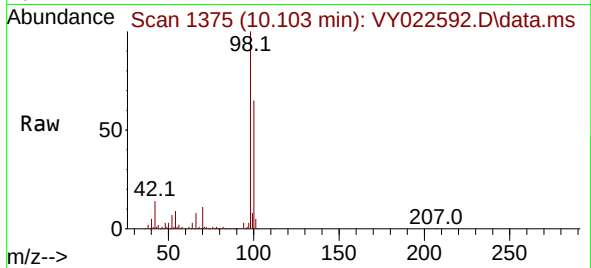




#50
Toluene-d8
Concen: 47.564 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022592.D
Acq: 06 Jun 2025 12:03

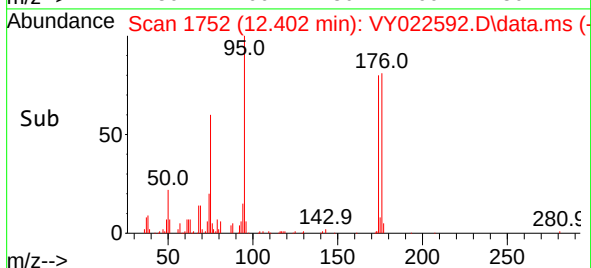
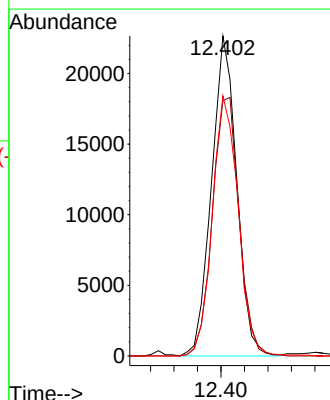
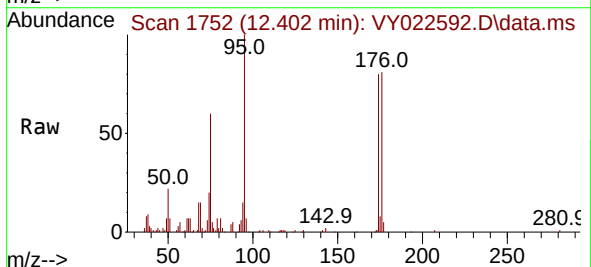
Instrument :
MSVOA_Y
ClientSampleId :
RBR251425

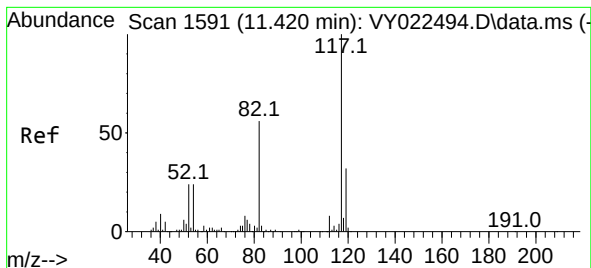
Tgt Ion: 98 Resp: 164204
Ion Ratio Lower Upper
98 100
100 62.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 32.841 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022592.D
Acq: 06 Jun 2025 12:03

Tgt Ion: 95 Resp: 33780
Ion Ratio Lower Upper
95 100
174 85.3 0.0 170.0
176 83.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022592.D

Acq: 06 Jun 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

RBR251425

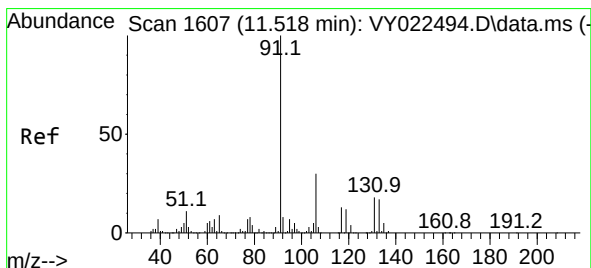
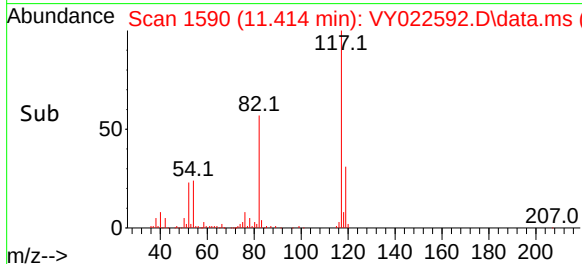
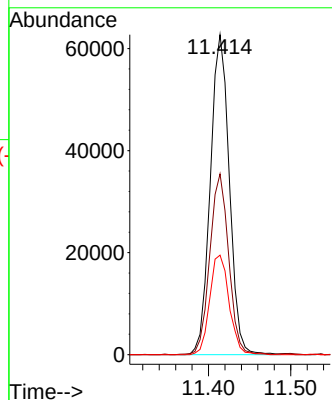
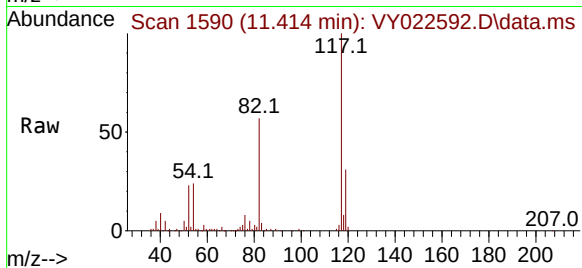
Tgt Ion:117 Resp: 100656

Ion Ratio Lower Upper

117 100

82 56.3 44.6 66.8

119 31.1 25.4 38.0



#67

Ethyl Benzene

Concen: 2.164 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022592.D

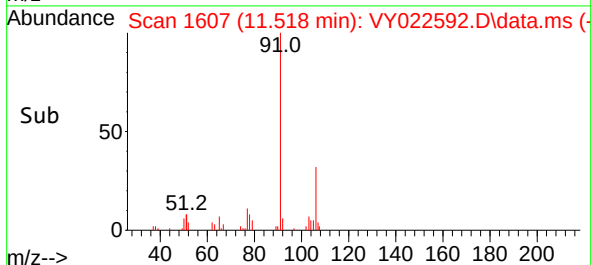
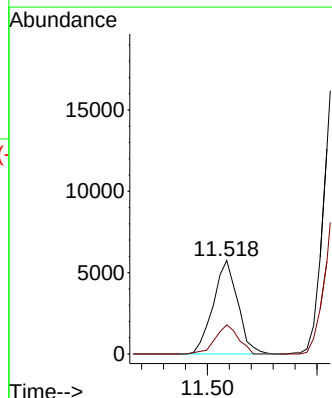
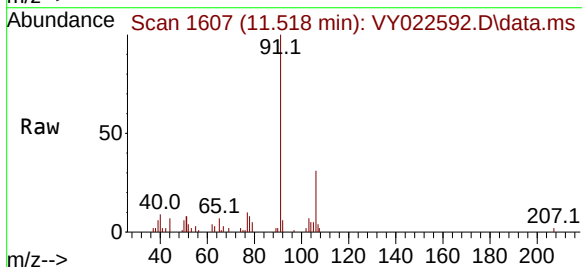
Acq: 06 Jun 2025 12:03

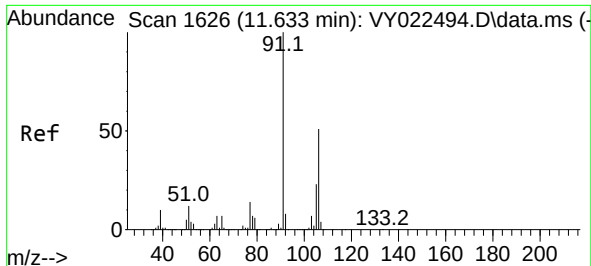
Tgt Ion: 91 Resp: 8940

Ion Ratio Lower Upper

91 100

106 31.2 24.2 36.4

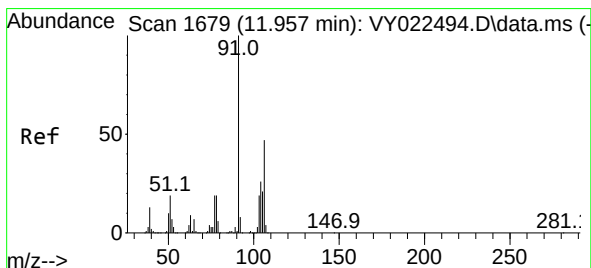
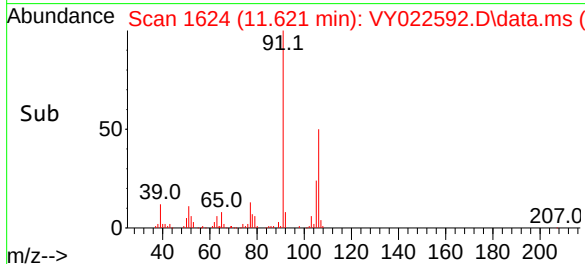
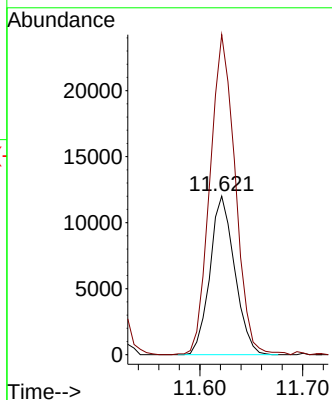
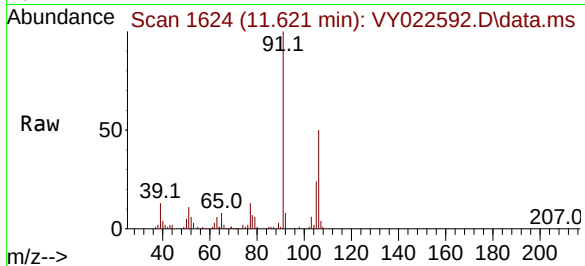




#68
m/p-Xylenes
Concen: 12.805 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY022592.D
Acq: 06 Jun 2025 12:03

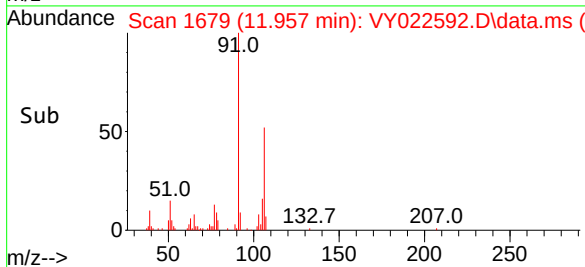
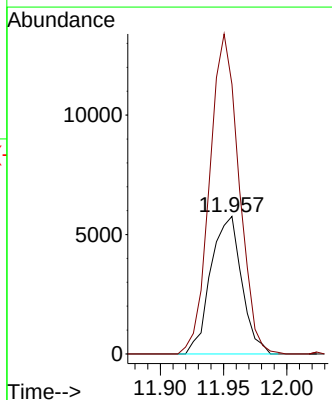
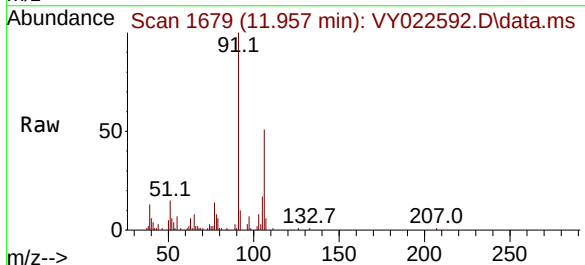
Instrument :
MSVOA_Y
ClientSampleId :
RBR251425

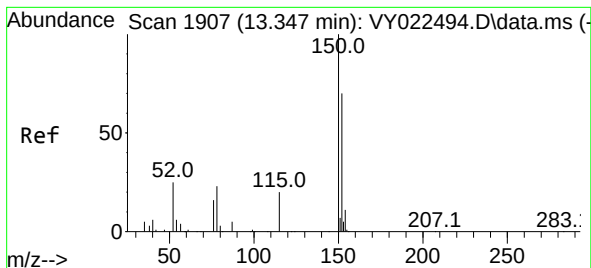
Tgt Ion:106 Resp: 20055
Ion Ratio Lower Upper
106 100
91 205.9 159.4 239.0



#69
o-Xylene
Concen: 6.667 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY022592.D
Acq: 06 Jun 2025 12:03

Tgt Ion:106 Resp: 9790
Ion Ratio Lower Upper
106 100
91 220.5 105.8 317.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY022592.D

Acq: 06 Jun 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

RBR251425

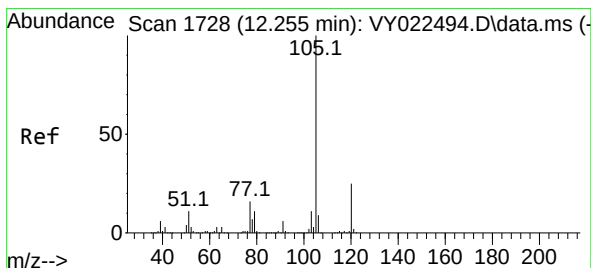
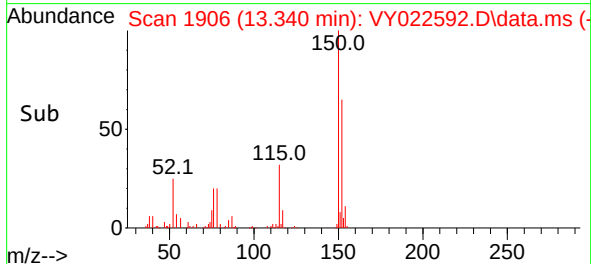
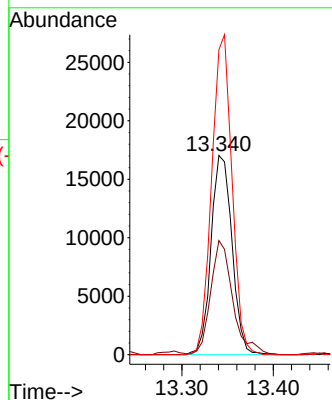
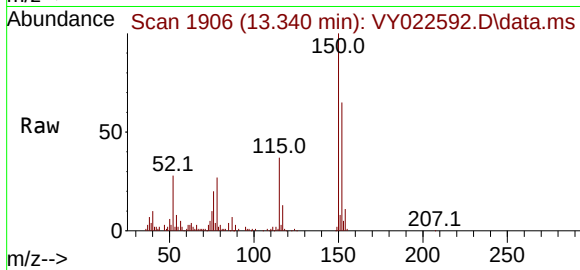
Tgt Ion:152 Resp: 27148

Ion Ratio Lower Upper

152 100

115 60.4 28.9 86.7

150 154.8 0.0 349.6



#73

Isopropylbenzene

Concen: 1.588 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. -0.006 min

Lab File: VY022592.D

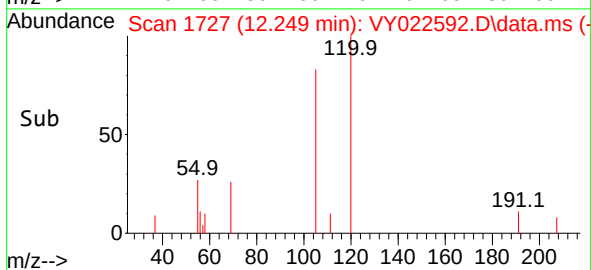
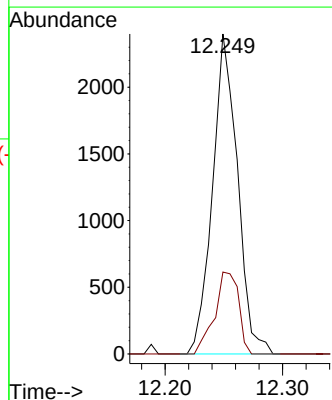
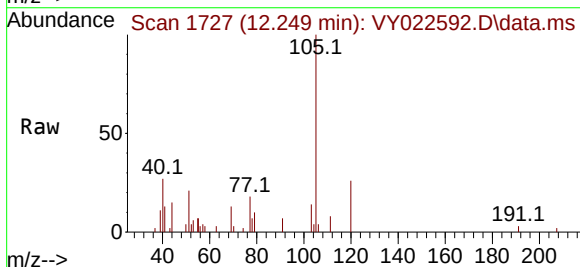
Acq: 06 Jun 2025 12:03

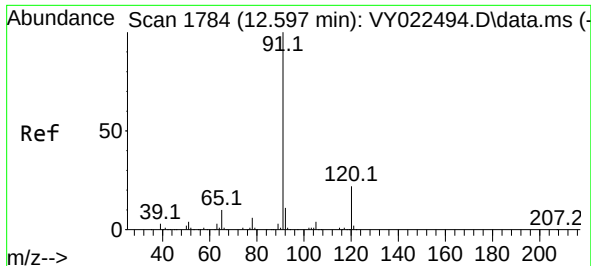
Tgt Ion:105 Resp: 3540

Ion Ratio Lower Upper

105 100

120 24.6 13.0 38.9

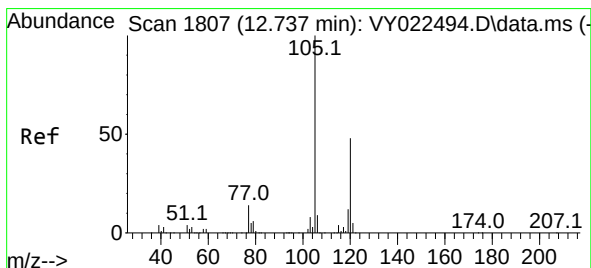
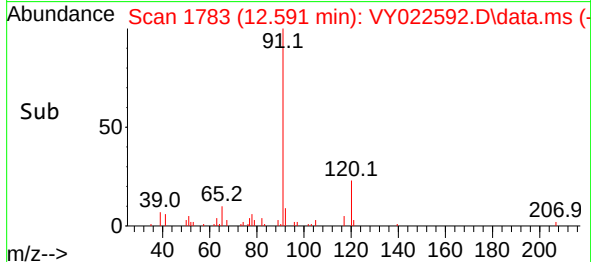
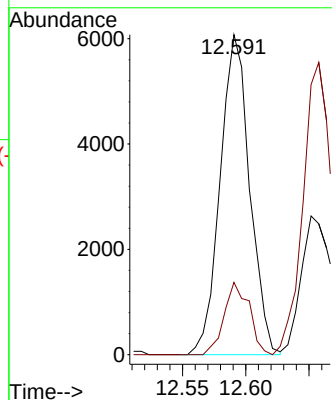
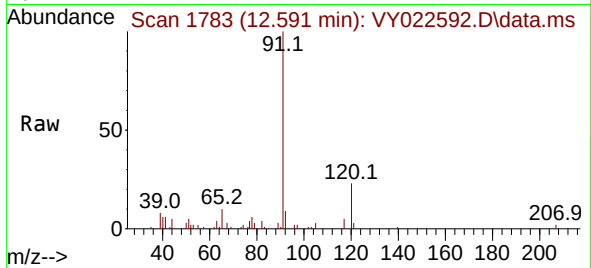




#78
n-propylbenzene
Concen: 3.629 ug/l
RT: 12.591 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022592.D
Acq: 06 Jun 2025 12:03

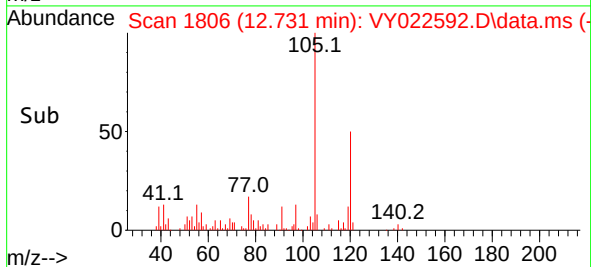
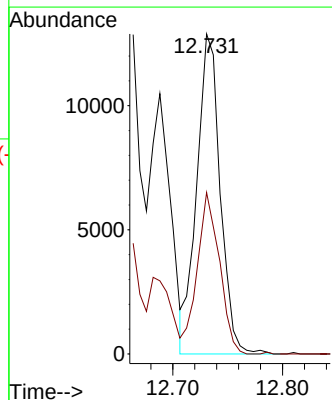
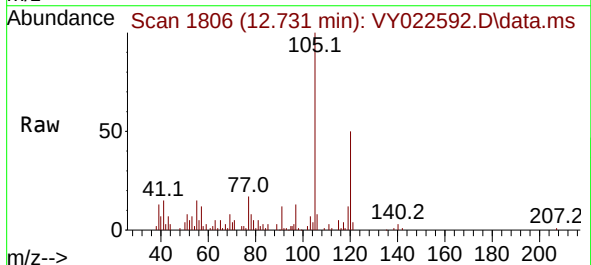
Instrument :
MSVOA_Y
ClientSampleId :
RBR251425

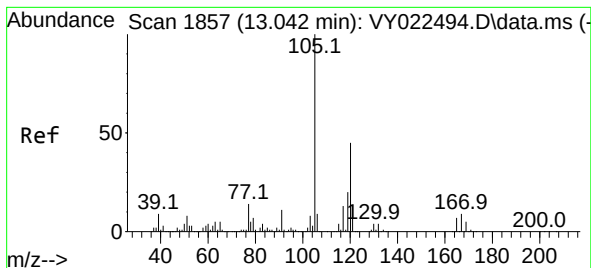
Tgt Ion: 91 Resp: 9879
Ion Ratio Lower Upper
91 100
120 19.2 10.8 32.4



#80
1,3,5-Trimethylbenzene
Concen: 10.942 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY022592.D
Acq: 06 Jun 2025 12:03

Tgt Ion:105 Resp: 19147
Ion Ratio Lower Upper
105 100
120 48.1 24.1 72.4





#84

1,2,4-Trimethylbenzene

Concen: 40.055 ug/l

RT: 13.036 min Scan# 1856

Delta R.T. -0.006 min

Lab File: VY022592.D

Acq: 06 Jun 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

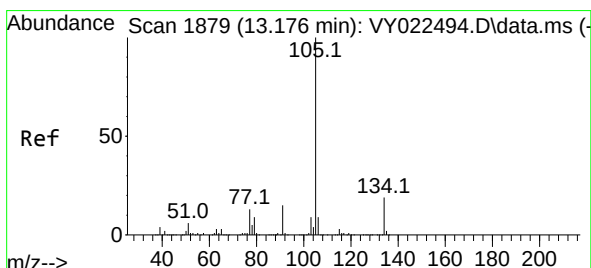
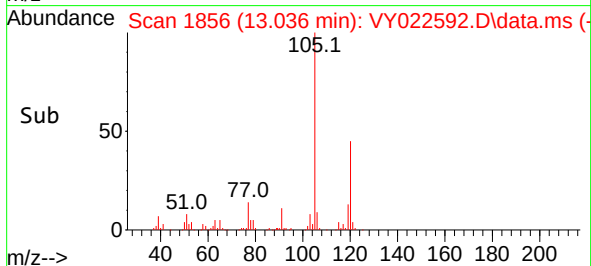
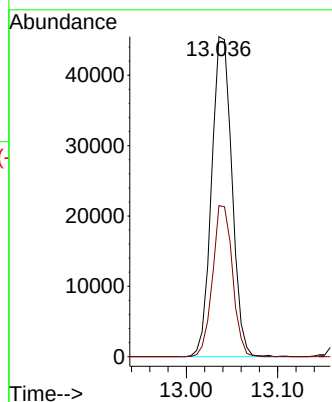
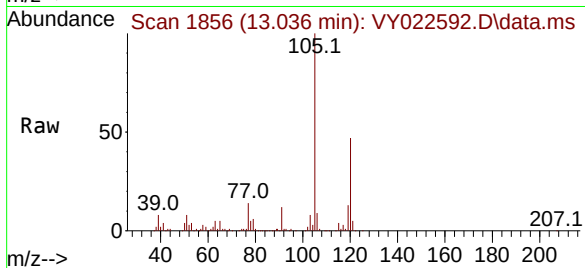
RBR251425

Tgt Ion:105 Resp: 70102

Ion Ratio Lower Upper

105 100

120 46.3 22.7 68.1



#85

sec-Butylbenzene

Concen: 2.128 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VY022592.D

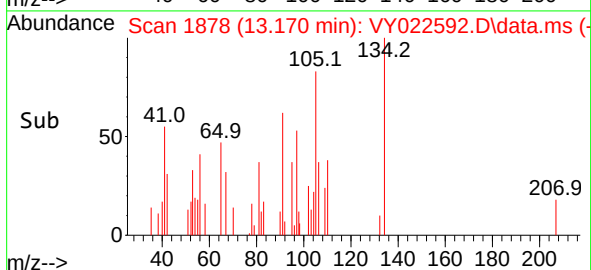
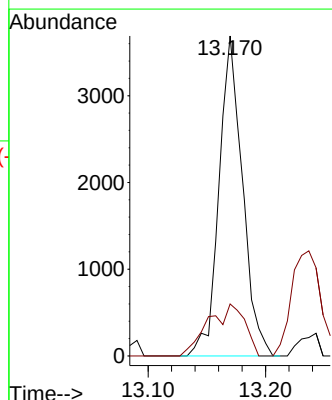
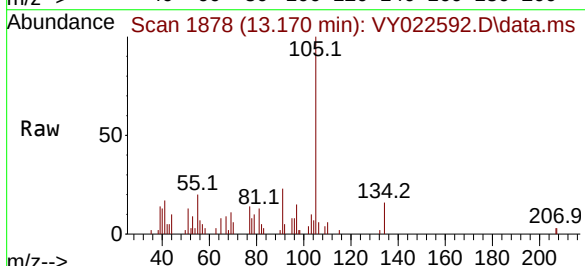
Acq: 06 Jun 2025 12:03

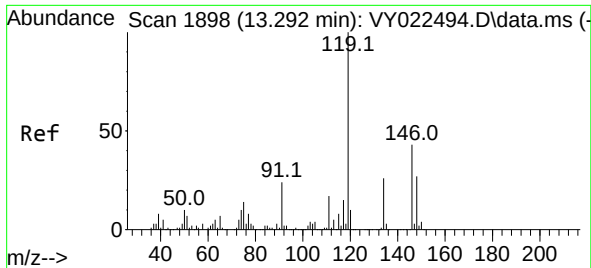
Tgt Ion:105 Resp: 5118

Ion Ratio Lower Upper

105 100

134 25.4 9.7 28.9

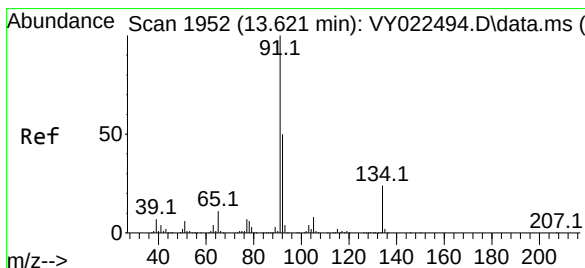
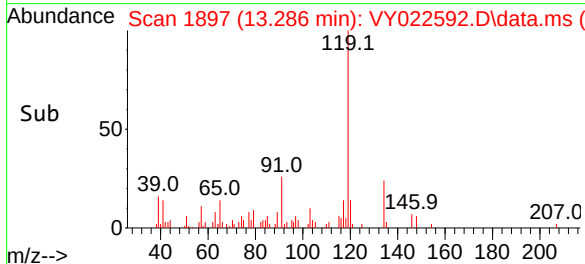
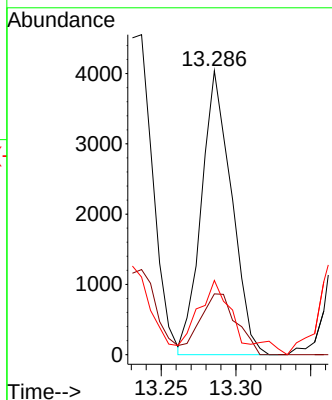
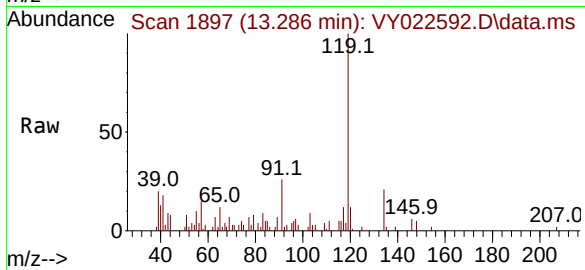




#86
p-Isopropyltoluene
Concen: 2.857 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. -0.006 min
Lab File: VY022592.D
Acq: 06 Jun 2025 12:03

Instrument :
MSVOA_Y
ClientSampleId :
RBR251425

Tgt Ion:	119	Resp:	5665
Ion Ratio	Lower	Upper	
119	100		
134	25.9	13.1	39.1
91	21.9	11.6	34.8



#89
n-Butylbenzene
Concen: 1.956 ug/l
RT: 13.609 min Scan# 1950
Delta R.T. -0.012 min
Lab File: VY022592.D
Acq: 06 Jun 2025 12:03

Tgt Ion:	91	Resp:	3680
Ion Ratio	Lower	Upper	
91	100		
92	70.2	25.9	77.8
134	0.0	12.0	36.1#

