

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
 Data File : VY020033.D
 Acq On : 28 Oct 2024 11:56
 Operator : SY/MD
 Sample : P4578-03
 Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WB-305-TOP

Quant Time: Oct 29 03:13:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	27473	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	45281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	32489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	8668	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	13554	40.068	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.140%
35) Dibromofluoromethane	7.646	113	13741	45.987	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.980%
50) Toluene-d8	10.109	98	51954	47.083	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.160%
62) 4-Bromofluorobenzene	12.414	95	11497	28.836	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	57.680%

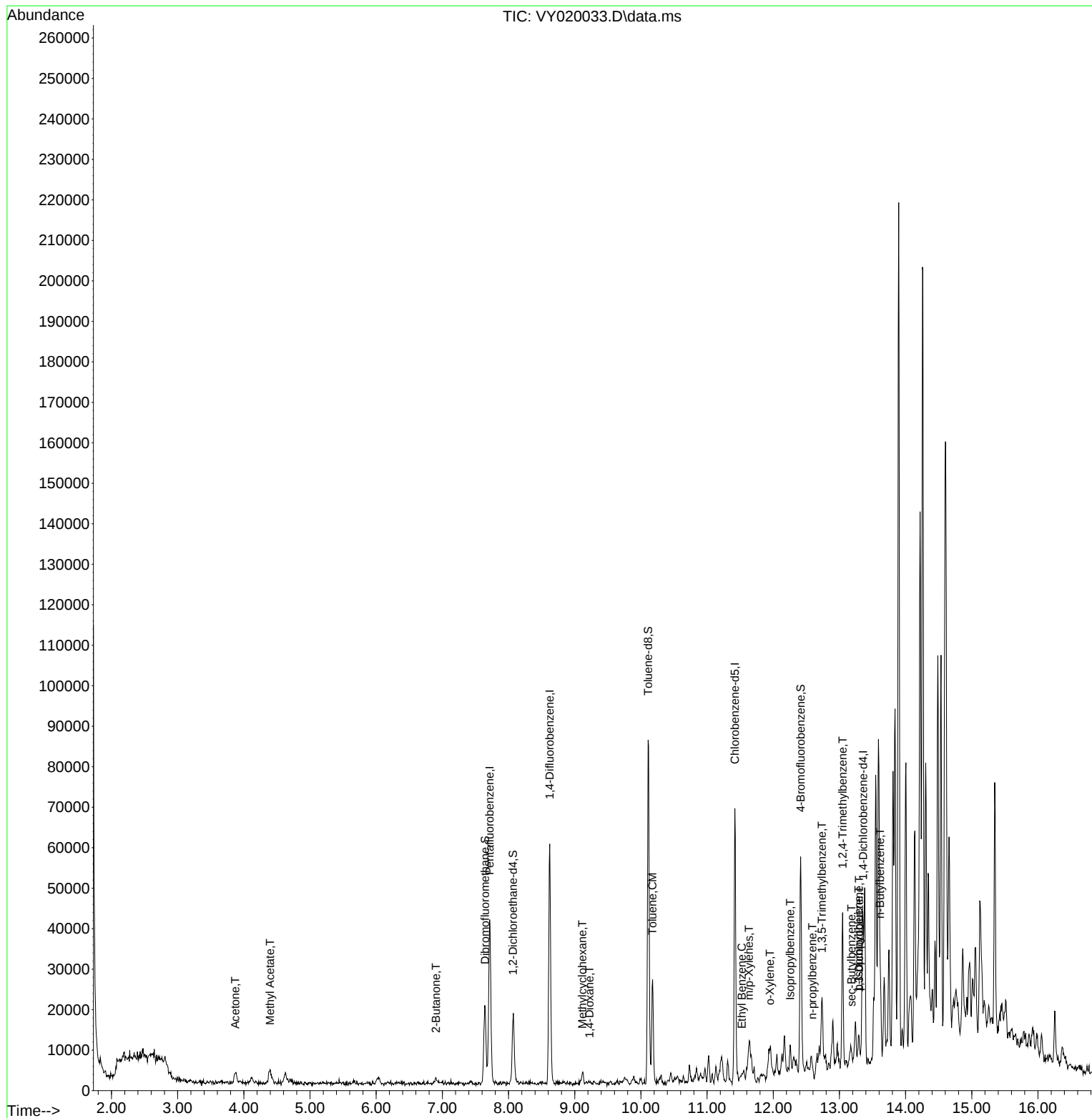
Target Compounds						Qvalue
16) Acetone	3.873	43	4573	51.932	ug/l	# 85
18) Methyl Acetate	4.397	43	6622	34.909	ug/l	# 82
25) 2-Butanone	6.902	43	1407	11.937	ug/l	96
39) Methylcyclohexane	9.115	83	802	1.479	ug/l	# 58
49) 1,4-Dioxane	9.225	88	253	126.879	ug/l	# 85
52) Toluene	10.176	92	10672	13.123	ug/l	90
67) Ethyl Benzene	11.524	91	1351	1.001	ug/l	92
68) m/p-Xylenes	11.633	106	1668	3.346	ug/l	83
69) o-Xylene	11.950	106	1659	3.463	ug/l	92
73) Isopropylbenzene	12.255	105	3314	4.545	ug/l	92
78) n-propylbenzene	12.590	91	1513	1.717	ug/l	93
80) 1,3,5-Trimethylbenzene	12.737	105	3600	6.114	ug/l	83
84) 1,2,4-Trimethylbenzene	13.048	105	17995	30.825	ug/l	95
85) sec-Butylbenzene	13.182	105	2214	2.809	ug/l	93
86) p-Isopropyltoluene	13.292	119	2324	3.631	ug/l	88
87) 1,3-Dichlorobenzene	13.298	146	424	1.357	ug/l	# 5
89) n-Butylbenzene	13.615	91	9756	15.612	ug/l	# 79

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

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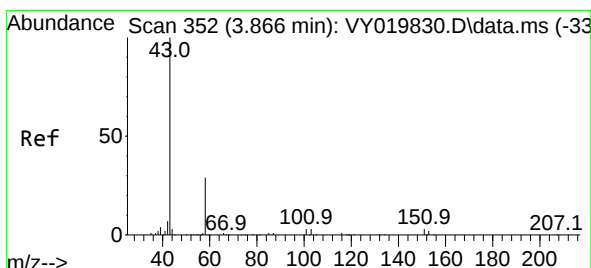
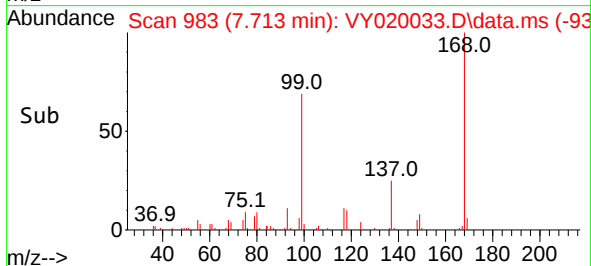
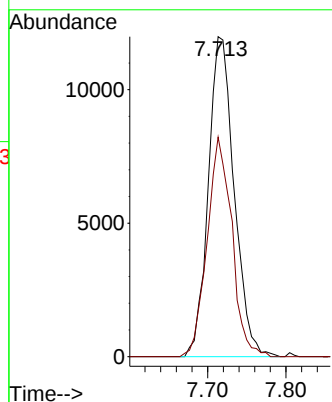
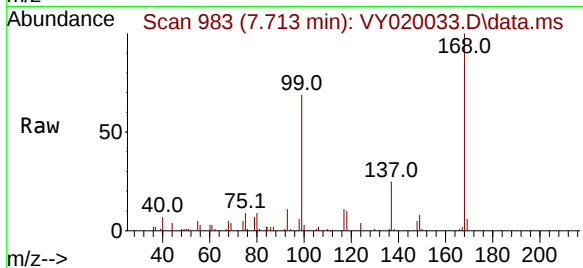




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

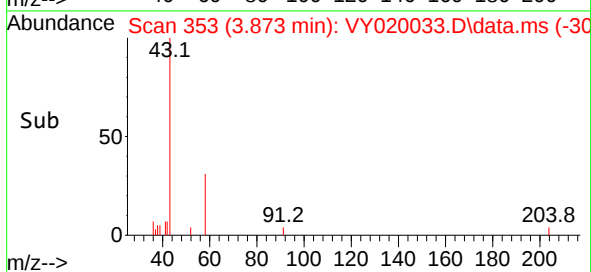
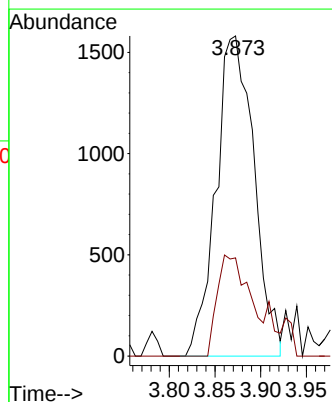
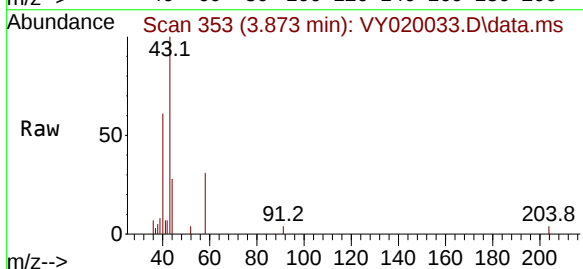
Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

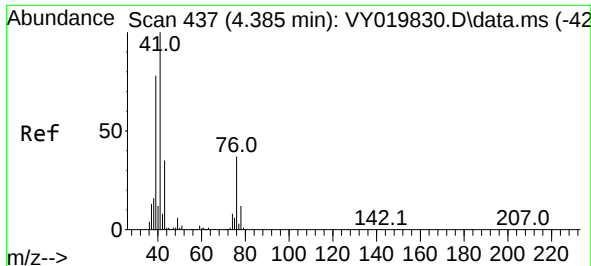
Tgt Ion:168 Resp: 27473
Ion Ratio Lower Upper
168 100
99 68.6 39.1 58.7#



#16
Acetone
Concen: 51.932 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion: 43 Resp: 4573
Ion Ratio Lower Upper
43 100
58 30.7 31.7 47.5#

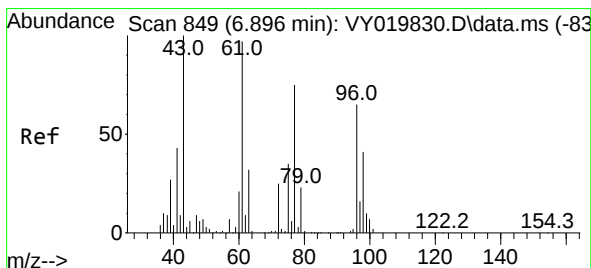
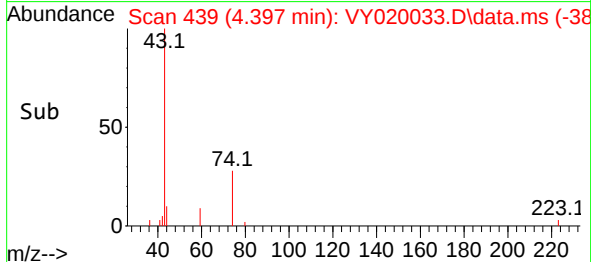
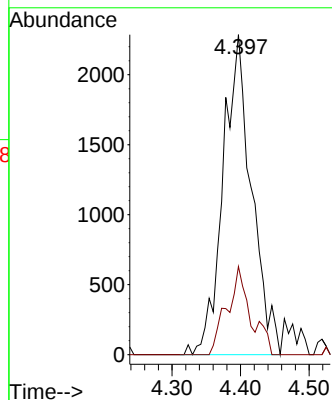
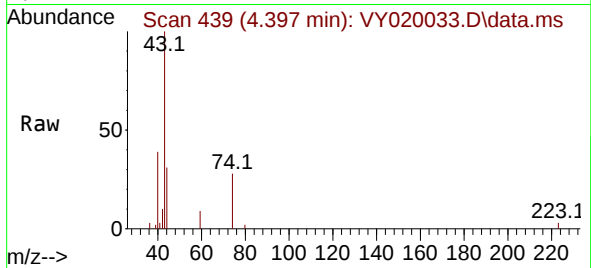




#18
Methyl Acetate
Concen: 34.909 ug/l
RT: 4.397 min Scan# 41
Delta R.T. 0.013 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

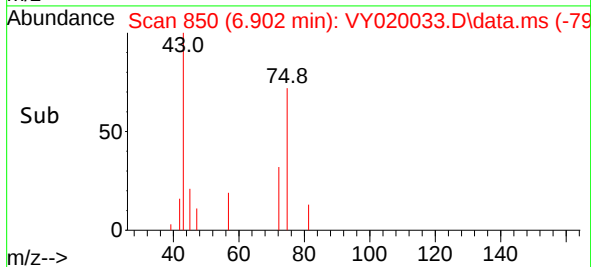
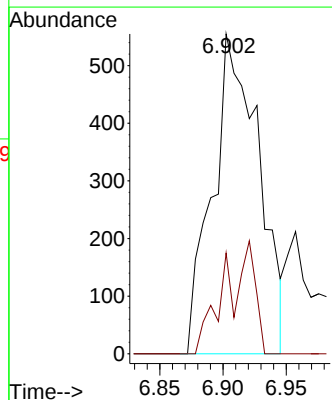
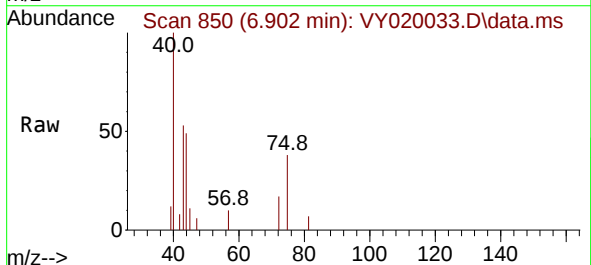
Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

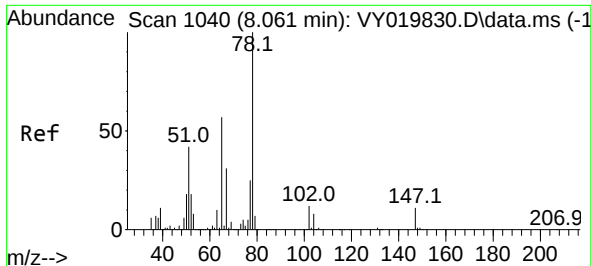
Tgt Ion: 43 Resp: 6622
Ion Ratio Lower Upper
43 100
74 19.5 23.3 34.9#



#25
2-Butanone
Concen: 11.937 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion: 43 Resp: 1407
Ion Ratio Lower Upper
43 100
72 31.5 27.3 40.9





#33

1,2-Dichloroethane-d4

Concen: 40.068 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY020033.D

Acq: 28 Oct 2024 11:56

Instrument :

MSVOA_Y

ClientSampleId :

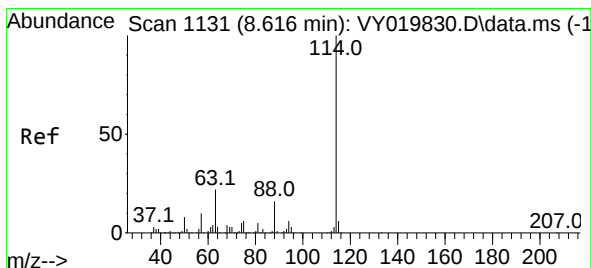
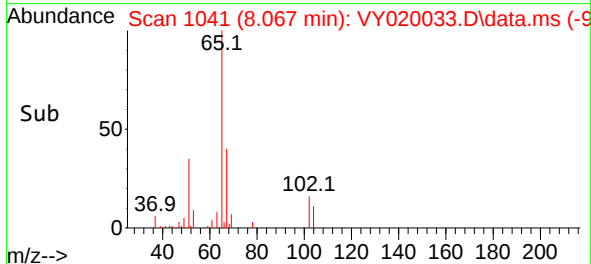
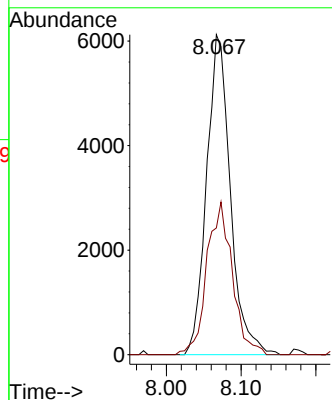
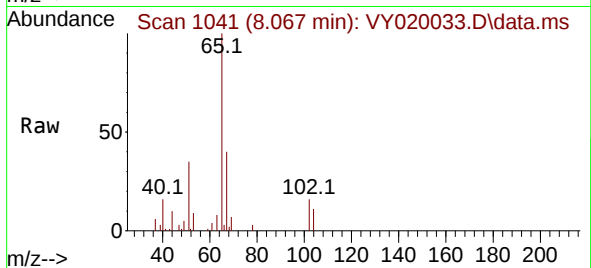
WB-305-TOP

Tgt Ion: 65 Resp: 13554

Ion Ratio Lower Upper

65 100

67 51.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY020033.D

Acq: 28 Oct 2024 11:56

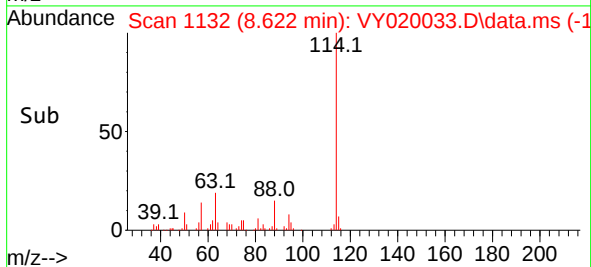
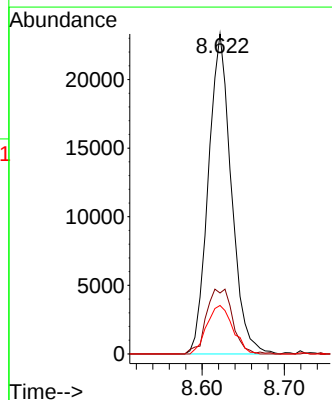
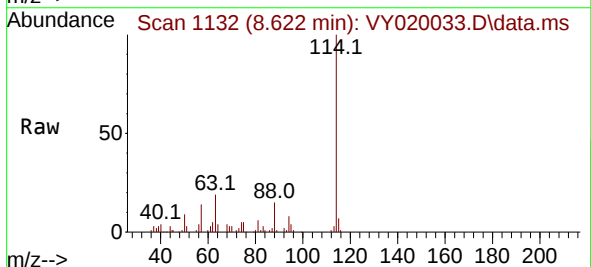
Tgt Ion: 114 Resp: 45281

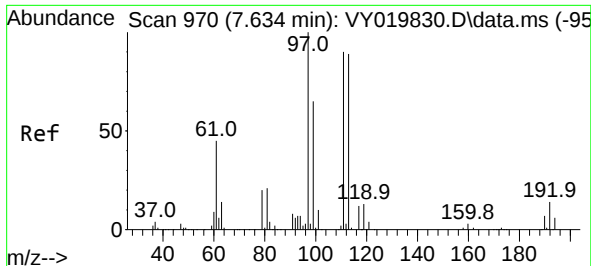
Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.0

88 15.1 0.0 27.2

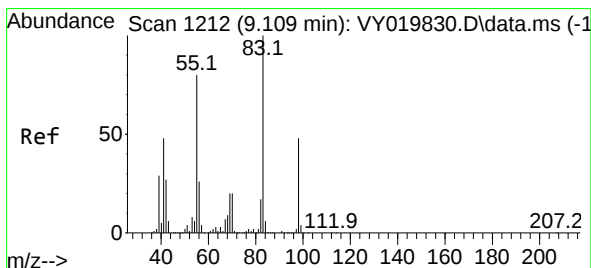
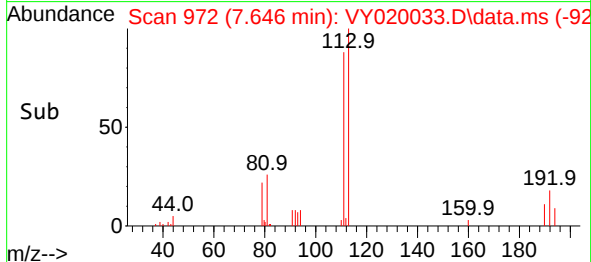
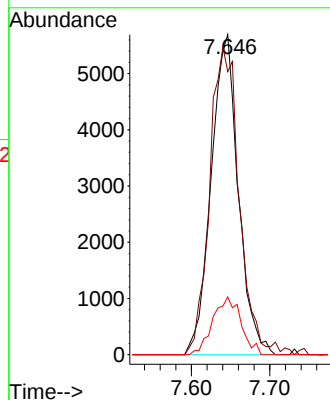
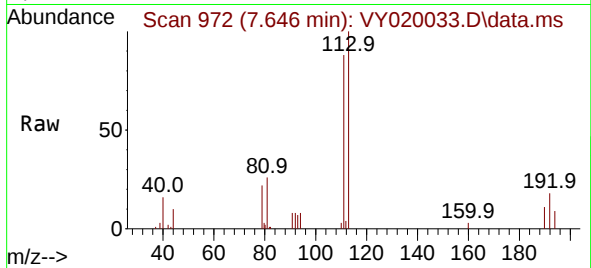




#35
Dibromofluoromethane
Concen: 45.987 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

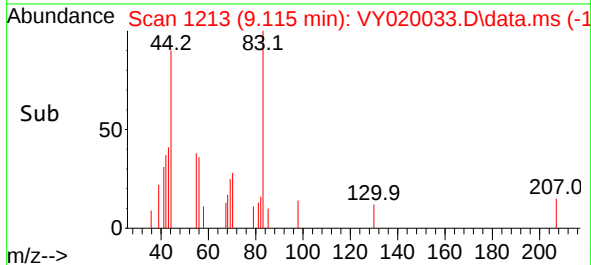
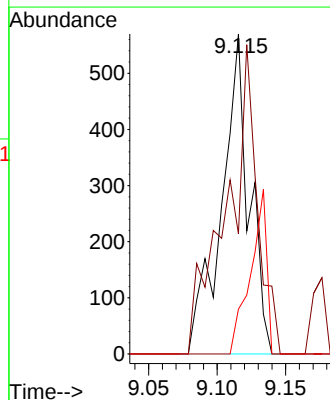
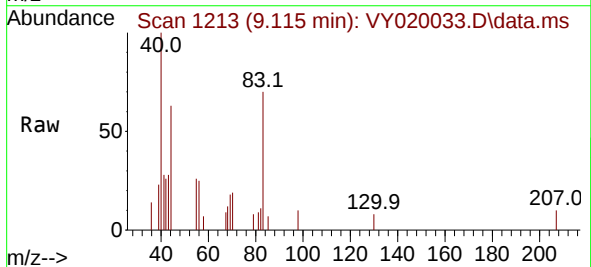
Instrument :
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ClientSampleId :
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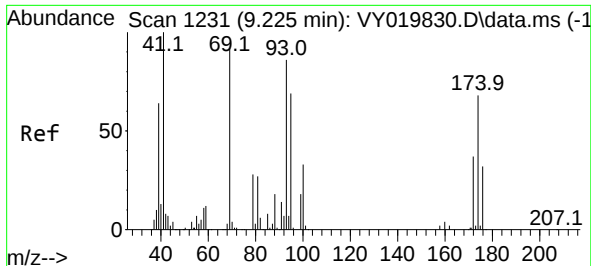
Tgt Ion:113 Resp: 13741
Ion Ratio Lower Upper
113 100
111 104.6 82.2 123.4
192 18.6 15.9 23.9



#39
Methylcyclohexane
Concen: 1.479 ug/l
RT: 9.115 min Scan# 1213
Delta R.T. 0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion: 83 Resp: 802
Ion Ratio Lower Upper
83 100
55 37.5 51.5 77.3#
98 14.0 40.5 60.7#

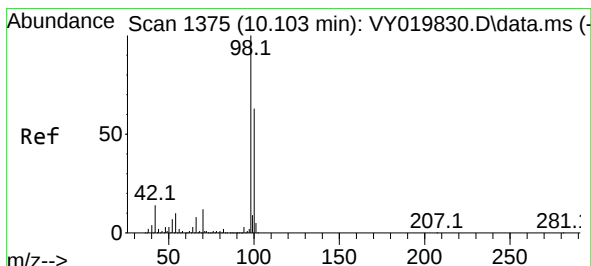
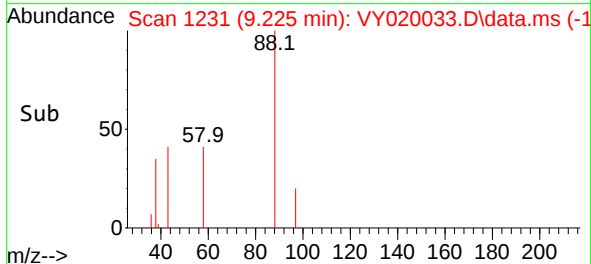
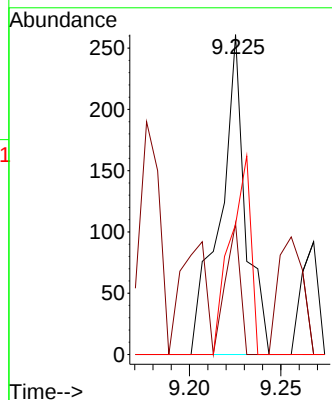
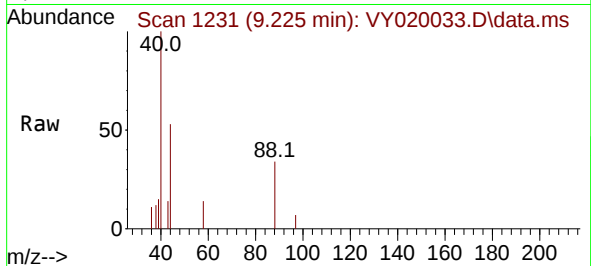




#49
1,4-Dioxane
Concen: 126.879 ug/l
RT: 9.225 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

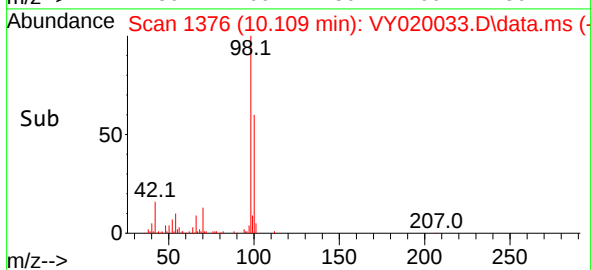
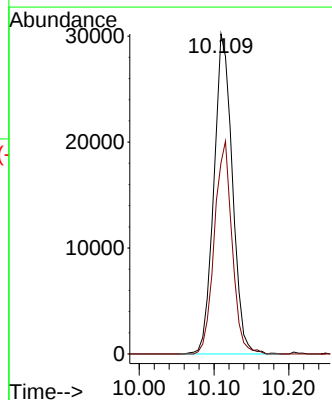
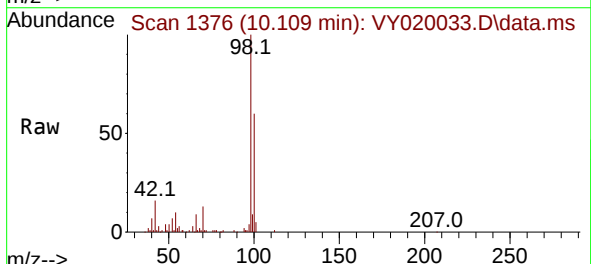
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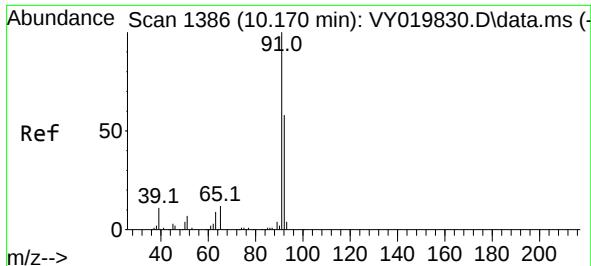
Tgt Ion: 88 Resp: 253
Ion Ratio Lower Upper
88 100
43 23.7 0.0 0.0#
58 50.2 49.3 73.9



#50
Toluene-d8
Concen: 47.083 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion: 98 Resp: 51954
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0

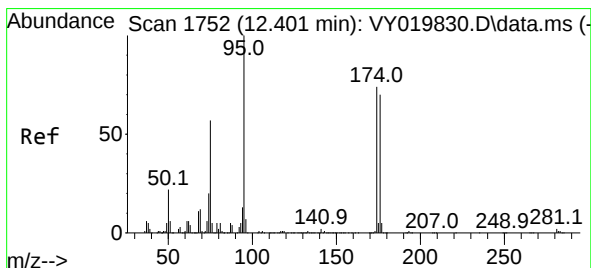
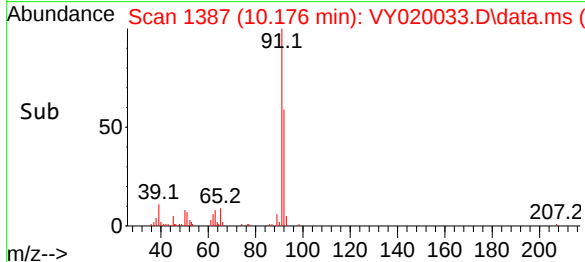
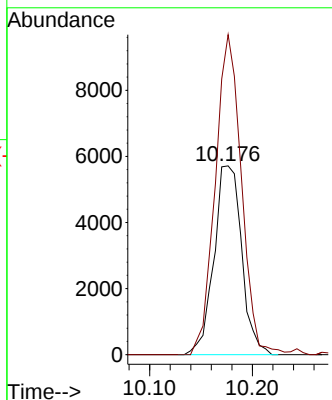
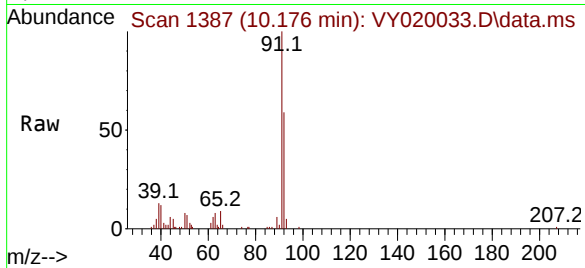




#52
Toluene
Concen: 13.123 ug/l
RT: 10.176 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

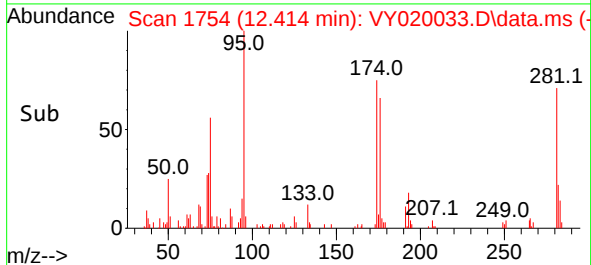
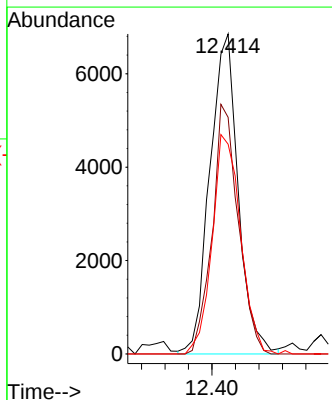
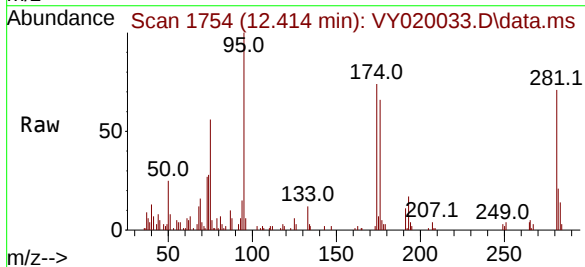
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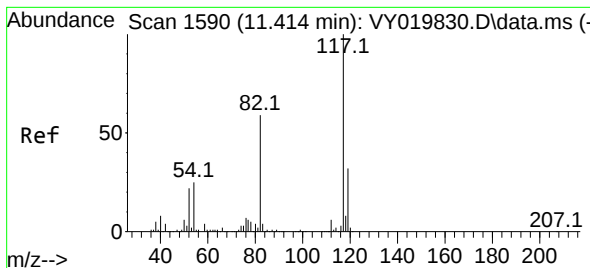
Tgt Ion: 92 Resp: 10672
Ion Ratio Lower Upper
92 100
91 160.3 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 28.836 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion: 95 Resp: 11497
Ion Ratio Lower Upper
95 100
174 71.8 0.0 175.6
176 68.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020033.D

Acq: 28 Oct 2024 11:56

Instrument :

MSVOA_Y

ClientSampleId :

WB-305-TOP

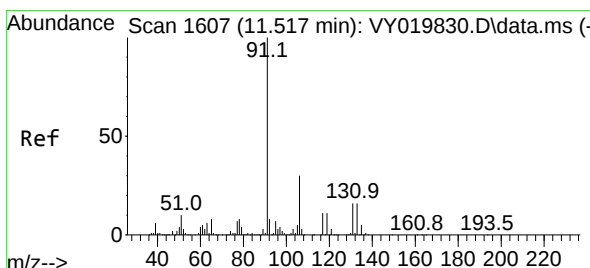
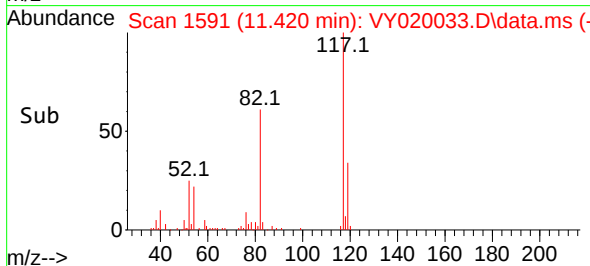
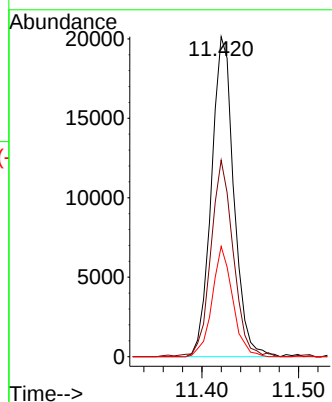
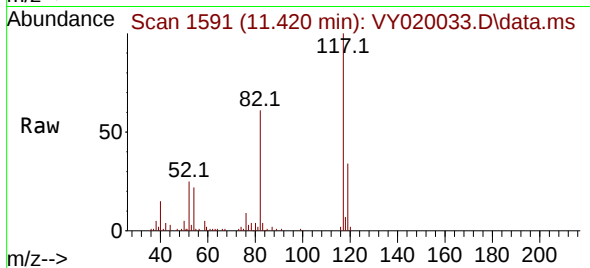
Tgt Ion:117 Resp: 32489

Ion Ratio Lower Upper

117 100

82 61.4 42.4 63.6

119 34.5 25.9 38.9



#67

Ethyl Benzene

Concen: 1.001 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.000 min

Lab File: VY020033.D

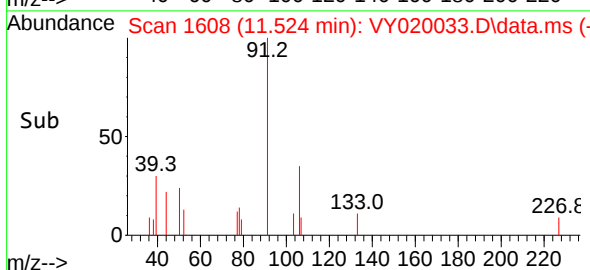
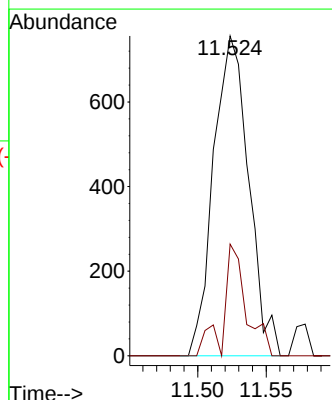
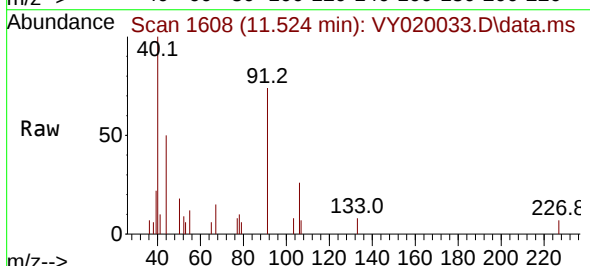
Acq: 28 Oct 2024 11:56

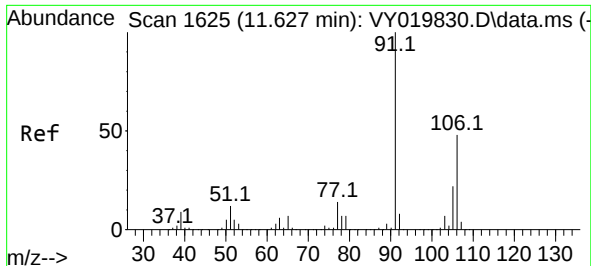
Tgt Ion: 91 Resp: 1351

Ion Ratio Lower Upper

91 100

106 34.9 24.5 36.7

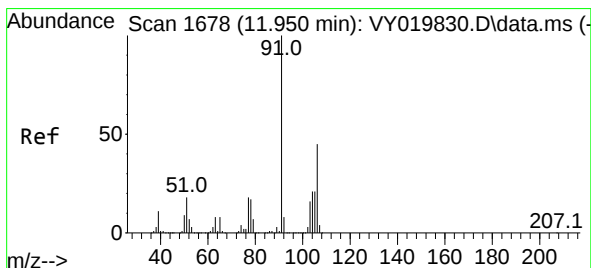
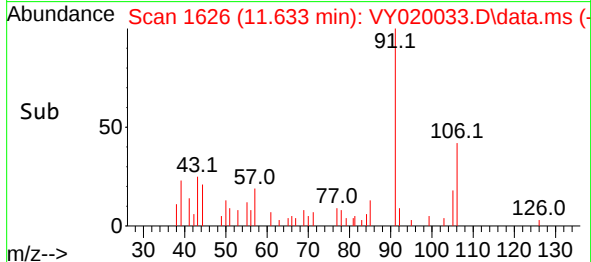
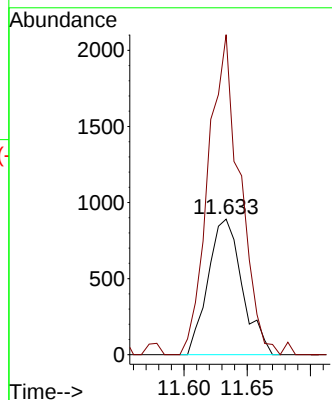
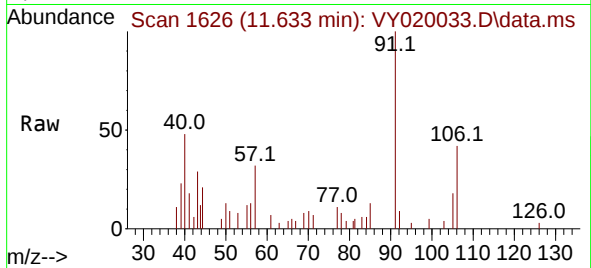




#68
m/p-Xylenes
Concen: 3.346 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

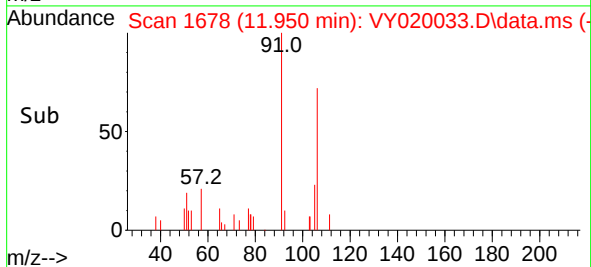
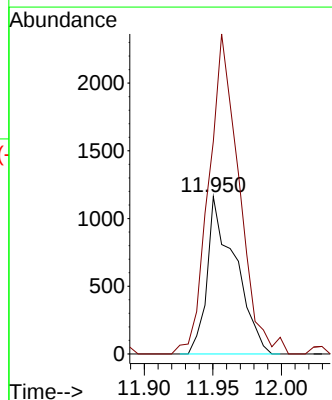
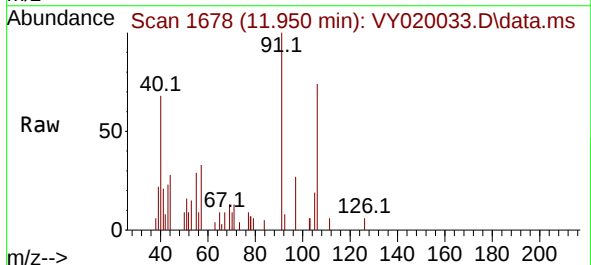
Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

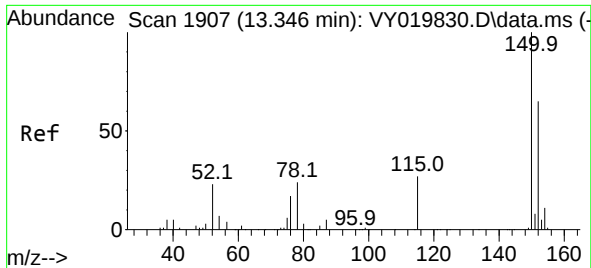
Tgt Ion:106 Resp: 1668
Ion Ratio Lower Upper
106 100
91 219.9 156.0 234.0



#69
o-Xylene
Concen: 3.463 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion:106 Resp: 1659
Ion Ratio Lower Upper
106 100
91 218.9 103.6 310.8

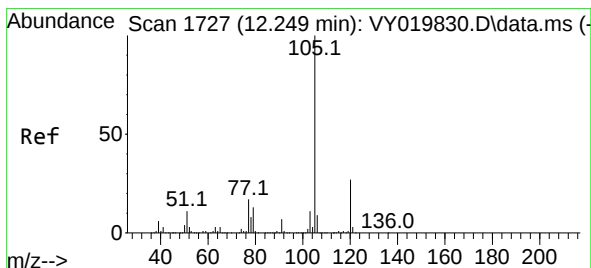
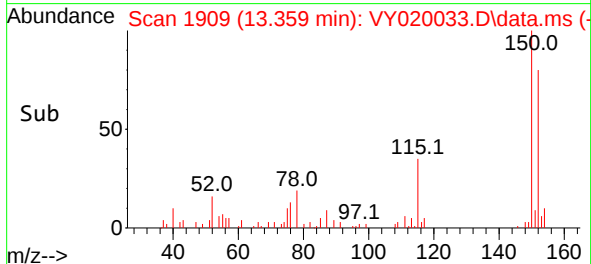
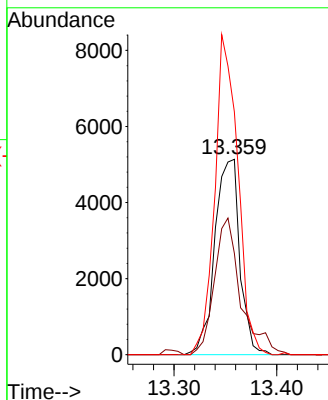
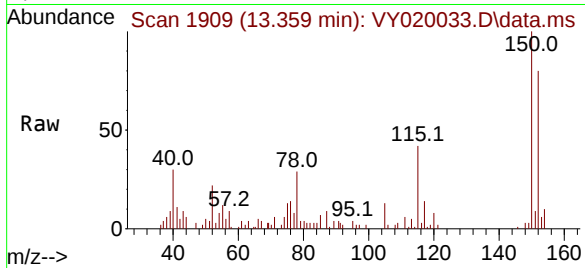




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.012 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

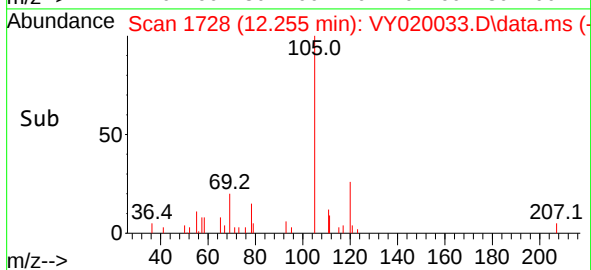
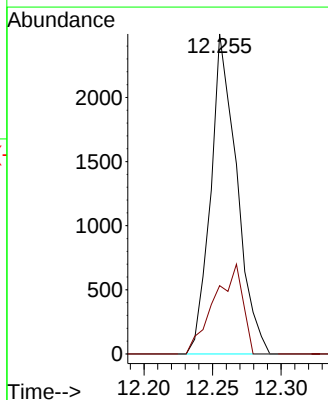
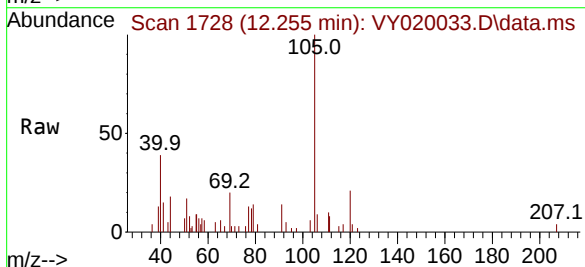
Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

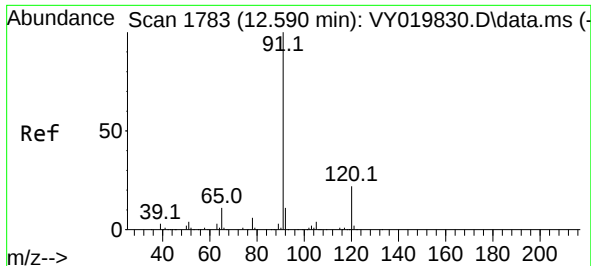
Tgt Ion:152 Resp: 8668
Ion Ratio Lower Upper
152 100
115 74.1 28.2 84.7
150 150.9 0.0 345.6



#73
Isopropylbenzene
Concen: 4.545 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion:105 Resp: 3314
Ion Ratio Lower Upper
105 100
120 30.7 13.4 40.1

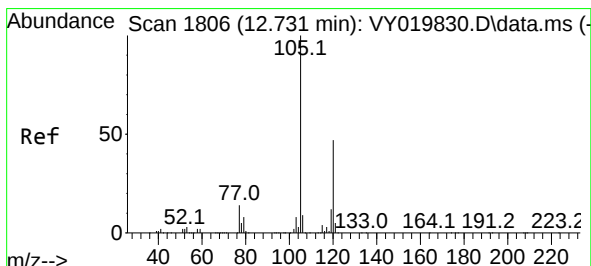
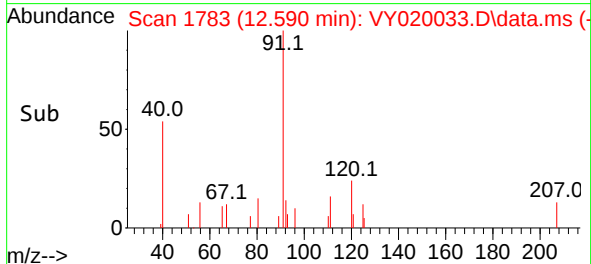
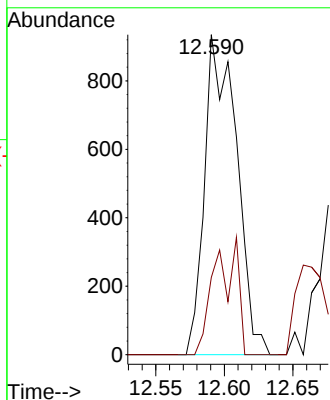
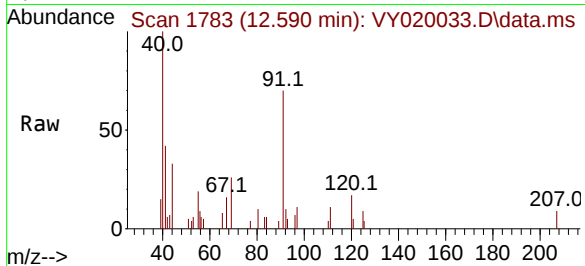




#78
n-propylbenzene
Concen: 1.717 ug/l
RT: 12.590 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

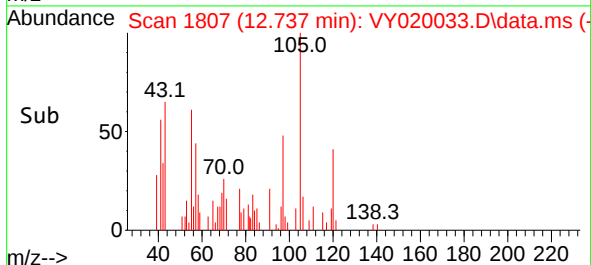
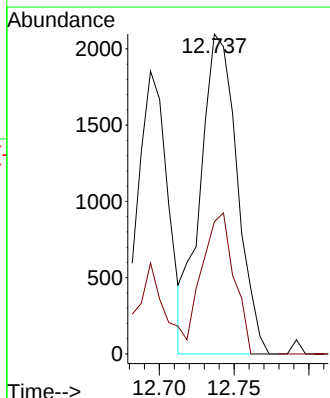
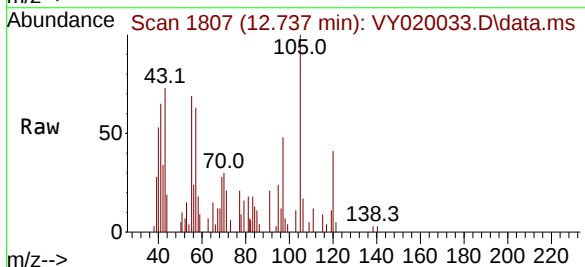
Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

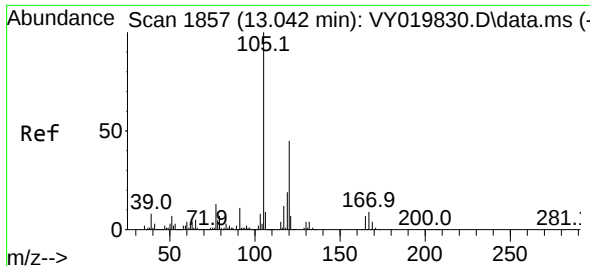
Tgt Ion: 91 Resp: 1513
Ion Ratio Lower Upper
91 100
120 26.4 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 6.114 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion: 105 Resp: 3600
Ion Ratio Lower Upper
105 100
120 38.1 25.1 75.2

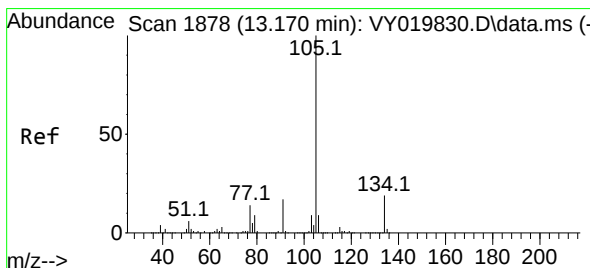
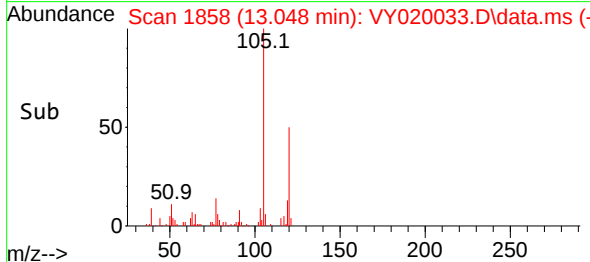
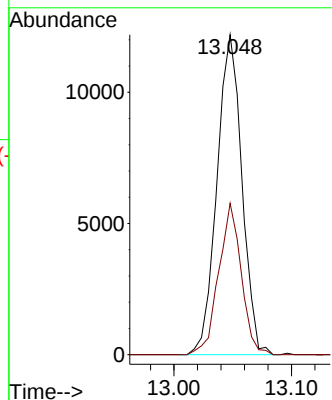
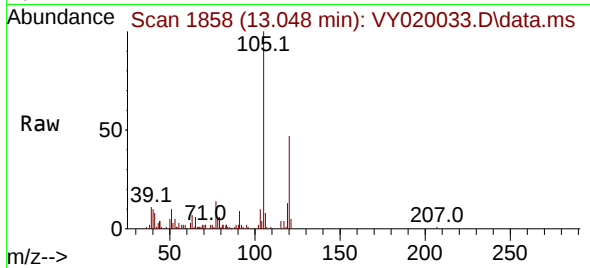




#84
1,2,4-Trimethylbenzene
Concen: 30.825 ug/l
RT: 13.048 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

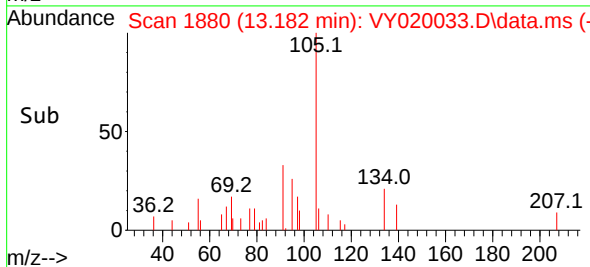
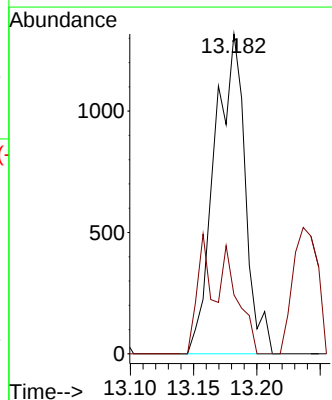
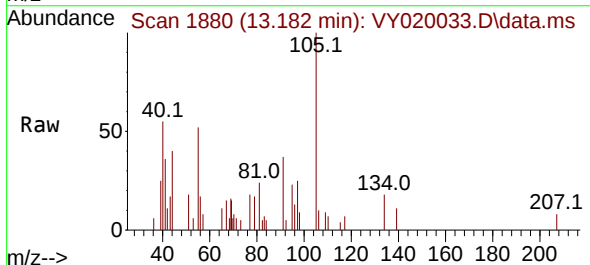
Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

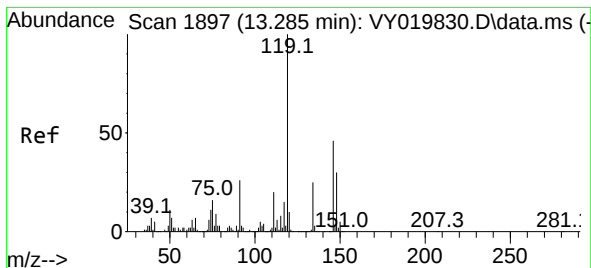
Tgt Ion:105 Resp: 17995
Ion Ratio Lower Upper
105 100
120 42.9 23.2 69.6



#85
sec-Butylbenzene
Concen: 2.809 ug/l
RT: 13.182 min Scan# 1880
Delta R.T. 0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion:105 Resp: 2214
Ion Ratio Lower Upper
105 100
134 17.1 10.1 30.1





#86

p-Isopropyltoluene

Concen: 3.631 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY020033.D

Acq: 28 Oct 2024 11:56

Instrument :

MSVOA_Y

ClientSampleId :

WB-305-TOP

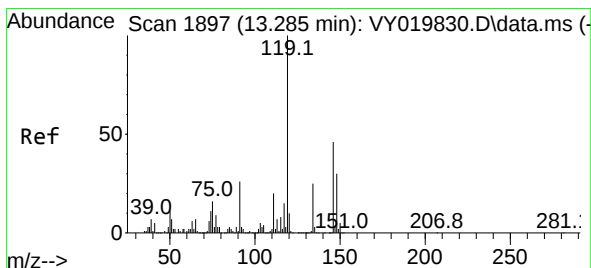
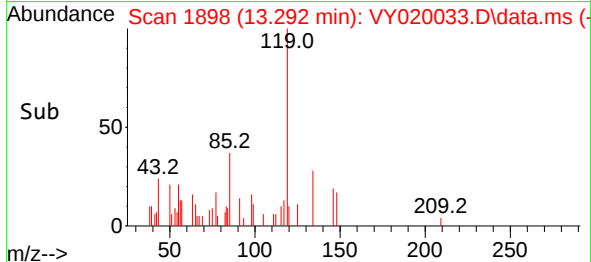
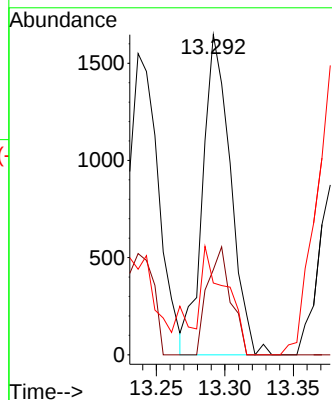
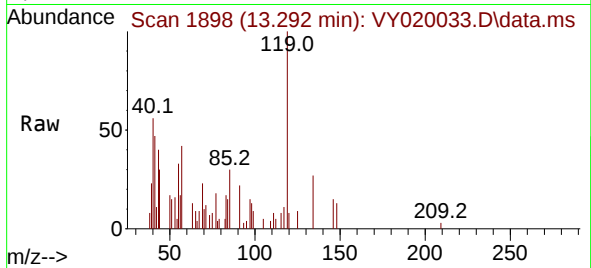
Tgt Ion:119 Resp: 2324

Ion Ratio Lower Upper

119 100

134 28.4 13.1 39.3

91 31.4 10.7 32.1



#87

1,3-Dichlorobenzene

Concen: 1.357 ug/l

RT: 13.298 min Scan# 1899

Delta R.T. 0.006 min

Lab File: VY020033.D

Acq: 28 Oct 2024 11:56

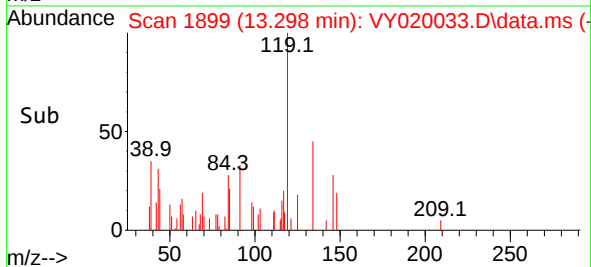
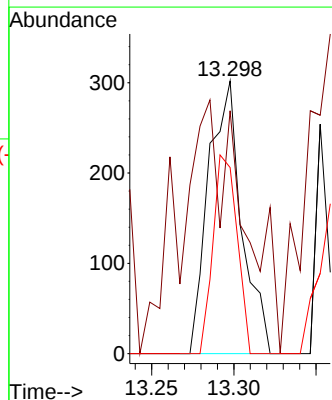
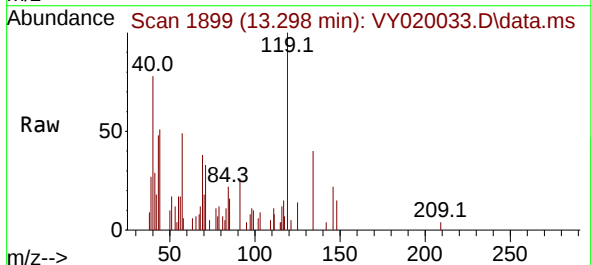
Tgt Ion:146 Resp: 424

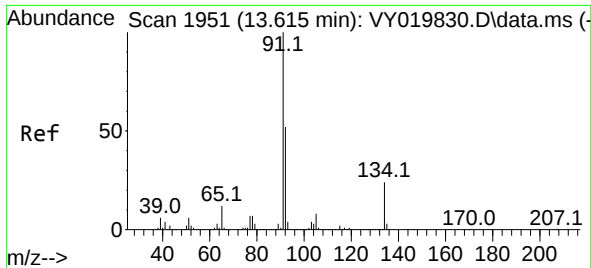
Ion Ratio Lower Upper

146 100

111 176.7 19.0 57.0#

148 52.8 31.7 95.1





#89

n-Butylbenzene

Concen: 15.612 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY020033.D

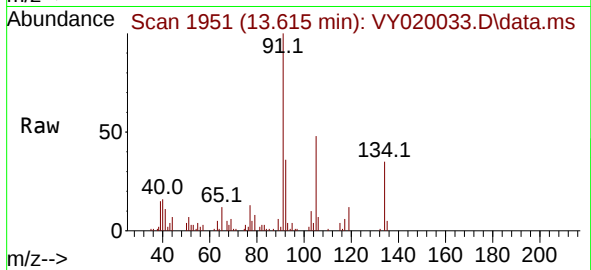
Acq: 28 Oct 2024 11:56

Instrument :

MSVOA_Y

ClientSampleId :

WB-305-TOP



Tgt Ion:	91	Resp:	9756
Ion	Ratio	Lower	Upper
91	100		
92	57.3	26.6	79.7
134	0.0	12.9	38.7#

