

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049452.D
 Acq On : 28 Jun 2022 12:49
 Operator : SY/MD
 Sample : N3454-04
 Misc : 3.80G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WC-15-1-2-GR

Quant Time: Jun 28 17:09:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	322954	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	559820	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.424	117	501166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	221476	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.700	65	214994	43.226	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.460%
35) Dibromofluoromethane	5.289	113	172471	44.035	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.080%
50) Toluene-d8	7.896	98	674624	48.292	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.580%
62) 4-Bromofluorobenzene	10.642	95	248008	46.345	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.700%

Target Compounds

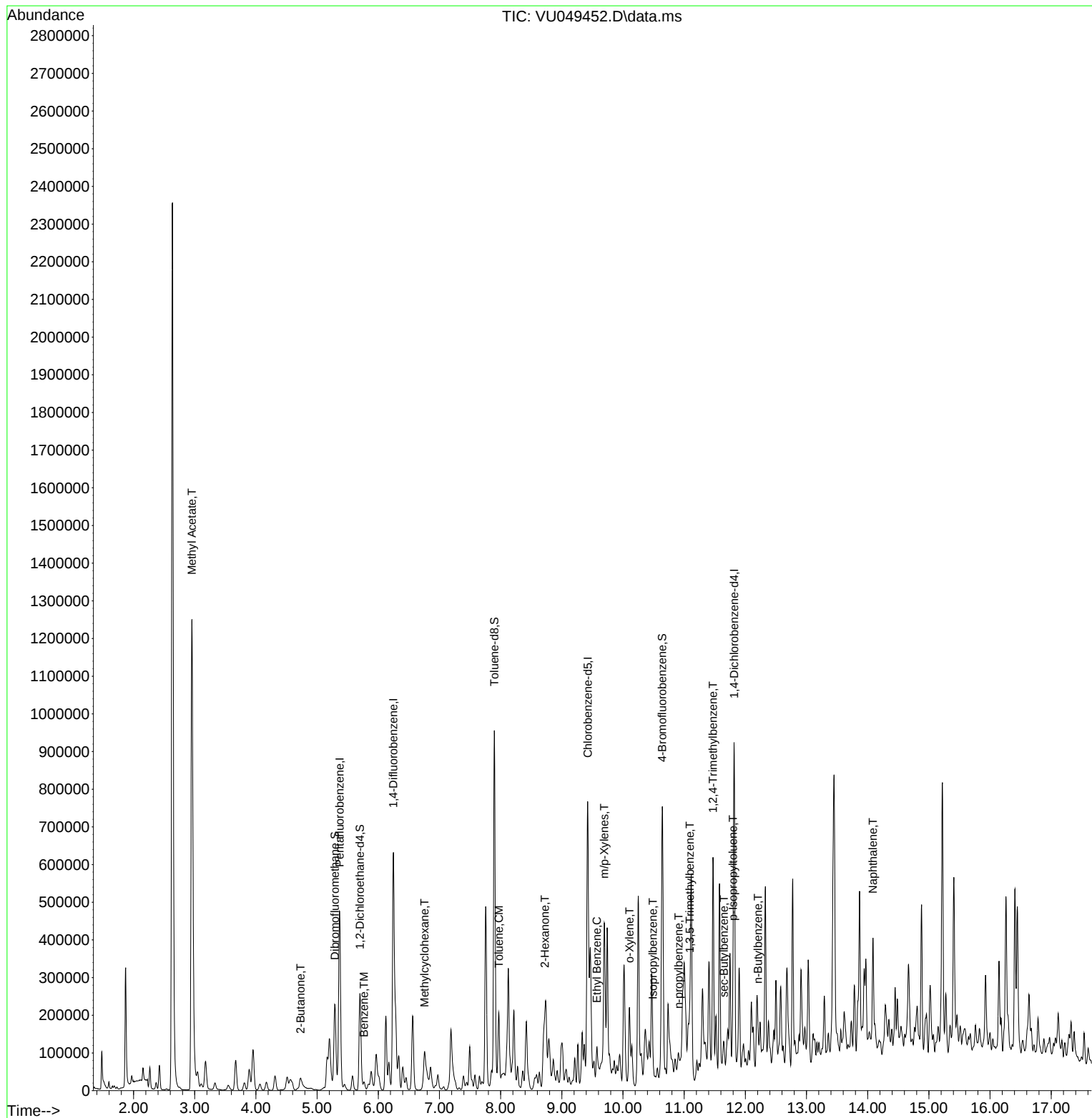
						Qvalue
18) Methyl Acetate	2.954	43	1890481	278.432	ug/l	93
25) 2-Butanone	4.729	43	76435	20.334	ug/l	97
39) Methylcyclohexane	6.755	83	42246	6.206	ug/l	93
40) Benzene	5.768	78	17904	1.044	ug/l	94
52) Toluene	7.970	92	80687	7.918	ug/l	99
59) 2-Hexanone	8.723	43	155103	25.918	ug/l	95
67) Ethyl Benzene	9.575	91	74988	3.987	ug/l	98
68) m/p-Xylenes	9.694	106	123372	17.727	ug/l	90
69) o-Xylene	10.105	106	60406	8.743	ug/l	90
73) Isopropylbenzene	10.488	105	16041	1.017	ug/l	98
78) n-propylbenzene	10.909	91	36873	1.923	ug/l	93
80) 1,3,5-Trimethylbenzene	11.092	105	72196	5.242	ug/l	95
84) 1,2,4-Trimethylbenzene	11.472	105	278980	20.617	ug/l	95
85) sec-Butylbenzene	11.649	105	9178	0.539	ug/l	100
86) p-Isopropyltoluene	11.796	119	60862	4.418	ug/l	94
89) n-Butylbenzene	12.208	91	43475	3.410	ug/l #	43
95) Naphthalene	14.086	128	246596	15.464	ug/l #	96

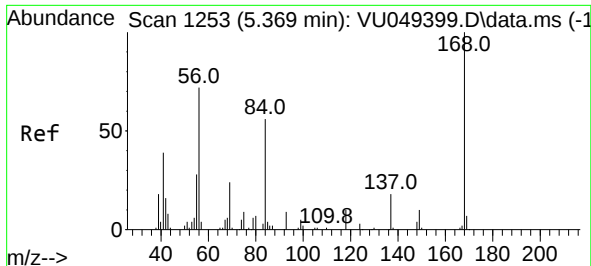
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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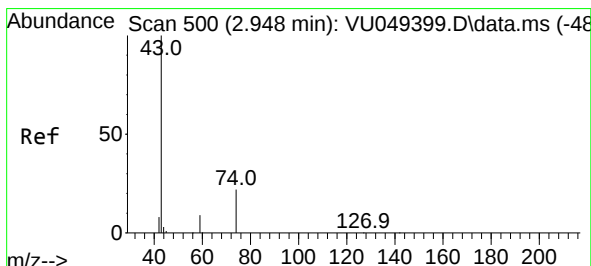
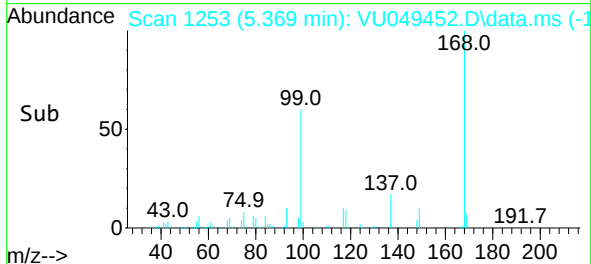
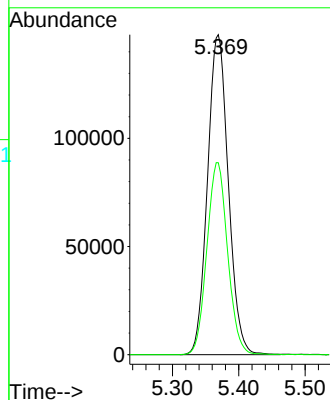
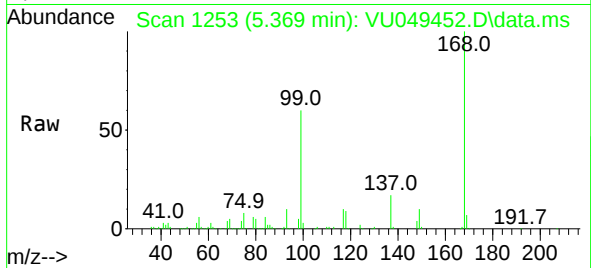




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049452.D
Acq: 28 Jun 2022 12:49

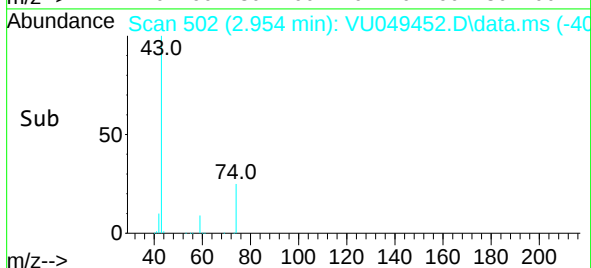
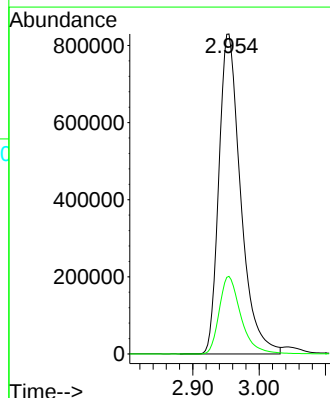
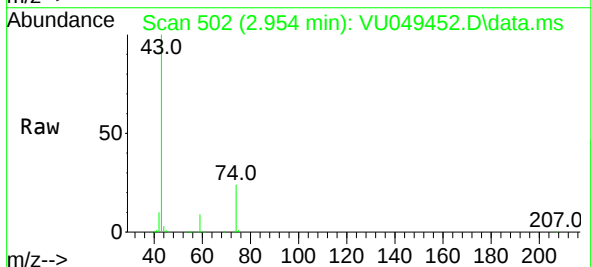
Instrument :
MSVOA_U
ClientSampleId :
WC-15-1-2-GR

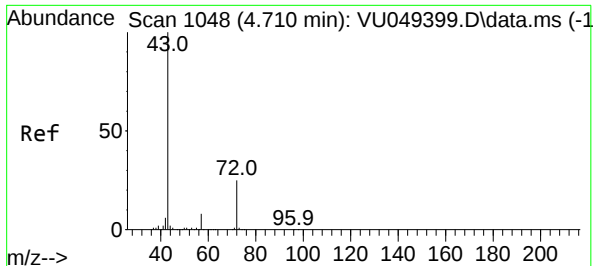
Tgt Ion:168 Resp: 322954
Ion Ratio Lower Upper
168 100
99 60.0 39.3 58.9#



#18
Methyl Acetate
Concen: 278.432 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.007 min
Lab File: VU049452.D
Acq: 28 Jun 2022 12:49

Tgt Ion: 43 Resp: 1890481
Ion Ratio Lower Upper
43 100
74 24.2 22.5 33.7





#25

2-Butanone

Concen: 20.334 ug/l

RT: 4.729 min Scan# 1054

Delta R.T. 0.020 min

Lab File: VU049452.D

Acq: 28 Jun 2022 12:49

Instrument :

MSVOA_U

ClientSampleId :

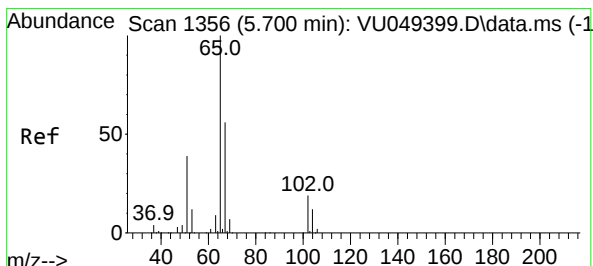
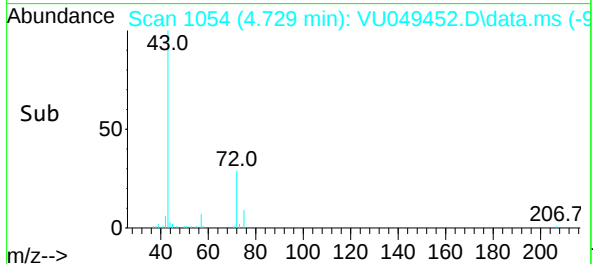
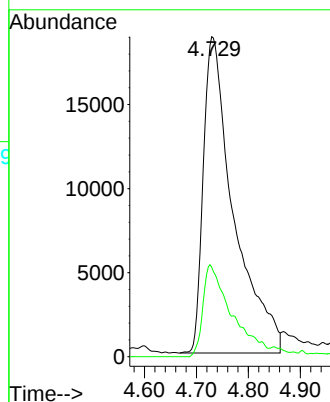
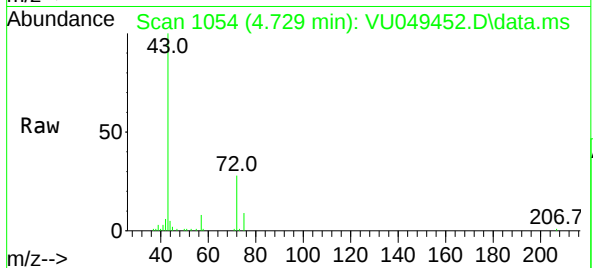
WC-15-1-2-GR

Tgt Ion: 43 Resp: 76435

Ion Ratio Lower Upper

43 100

72 28.3 23.8 35.6



#33

1,2-Dichloroethane-d4

Concen: 43.226 ug/l

RT: 5.700 min Scan# 1356

Delta R.T. 0.000 min

Lab File: VU049452.D

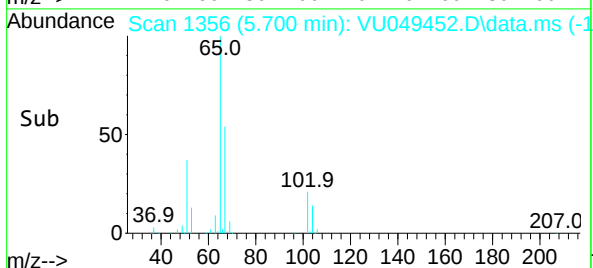
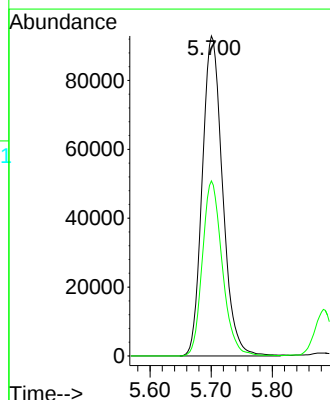
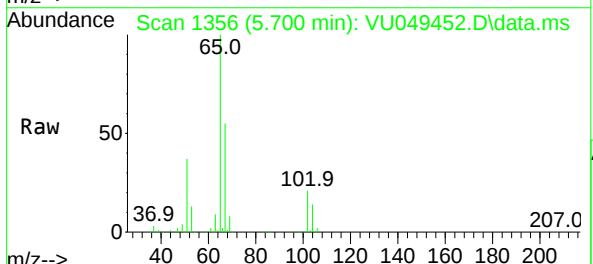
Acq: 28 Jun 2022 12:49

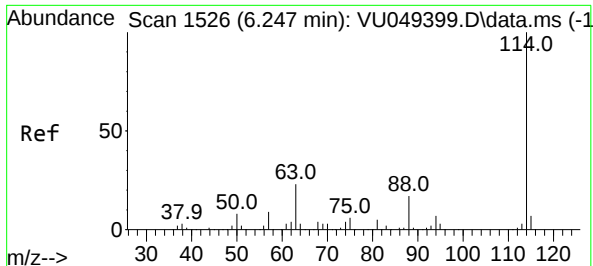
Tgt Ion: 65 Resp: 214994

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049452.D

Acq: 28 Jun 2022 12:49

Instrument :

MSVOA_U

ClientSampleId :

WC-15-1-2-GR

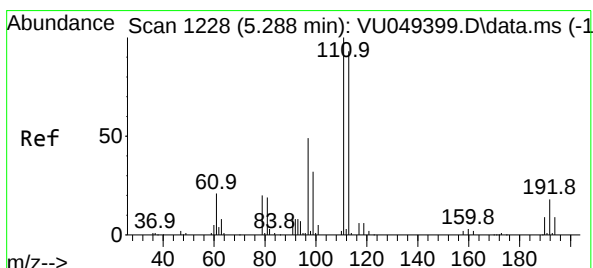
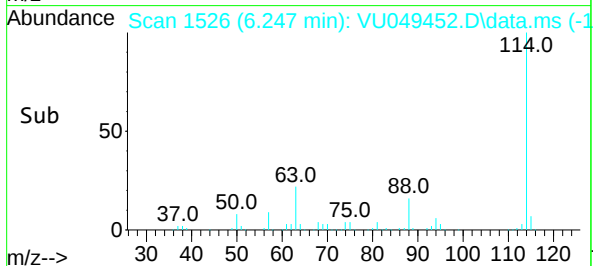
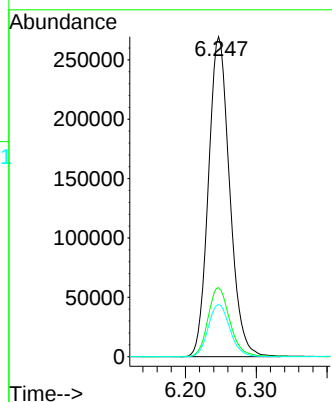
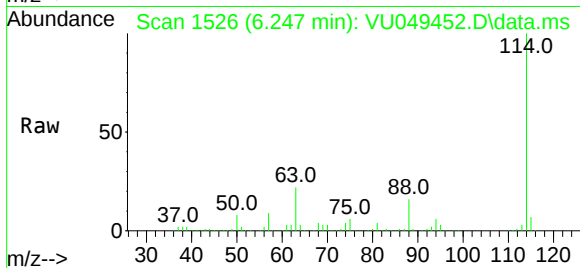
Tgt Ion:114 Resp: 559820

Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.8

88 16.3 0.0 29.2



#35

Dibromofluoromethane

Concen: 44.035 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049452.D

Acq: 28 Jun 2022 12:49

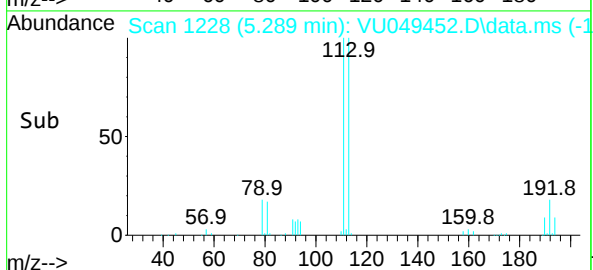
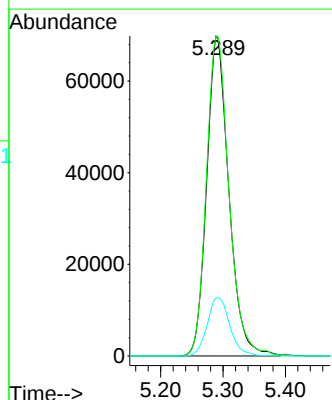
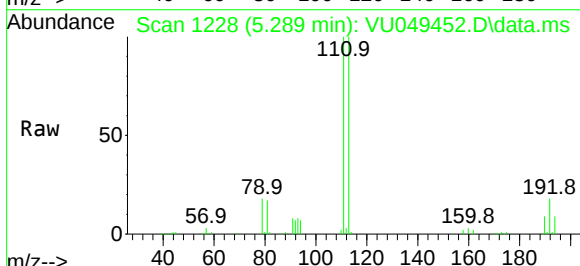
Tgt Ion:113 Resp: 172471

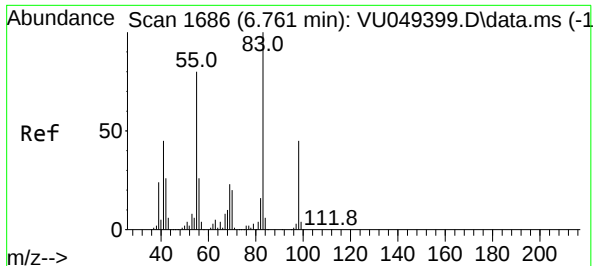
Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

192 18.6 18.0 27.0





#39

Methylcyclohexane

Concen: 6.206 ug/l

RT: 6.755 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU049452.D

Acq: 28 Jun 2022 12:49

Instrument :

MSVOA_U

ClientSampleId :

WC-15-1-2-GR

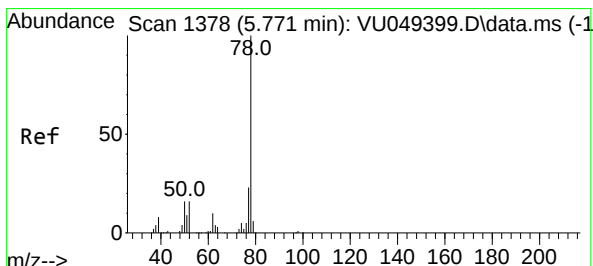
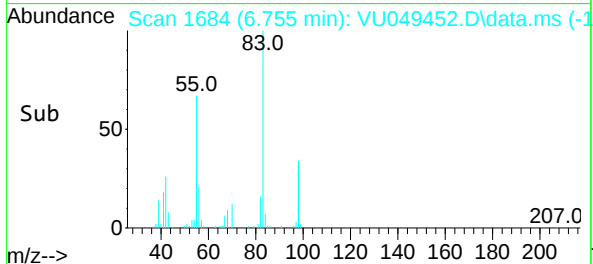
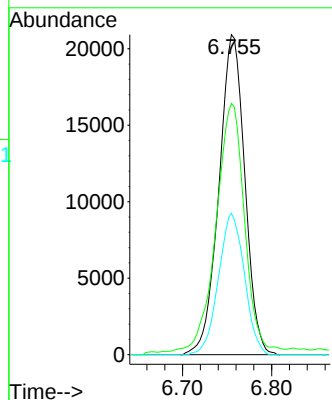
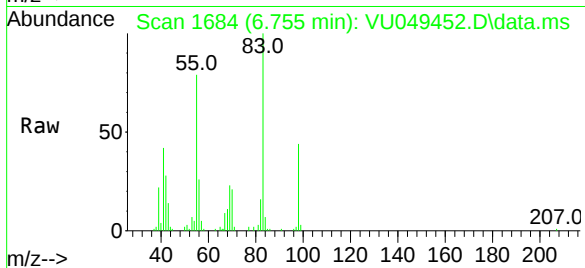
Tgt Ion: 83 Resp: 42246

Ion Ratio Lower Upper

83 100

55 76.7 55.3 82.9

98 44.2 37.3 55.9



#40

Benzene

Concen: 1.044 ug/l

RT: 5.768 min Scan# 1377

Delta R.T. -0.003 min

Lab File: VU049452.D

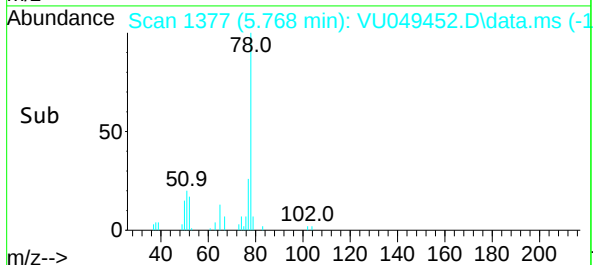
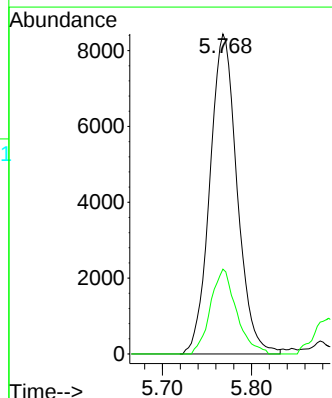
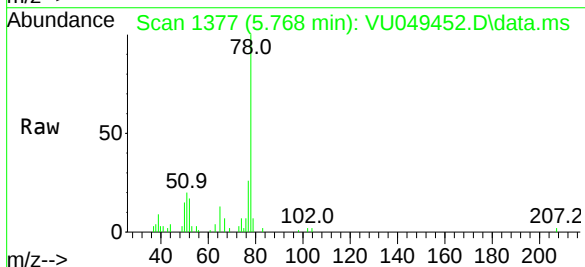
Acq: 28 Jun 2022 12:49

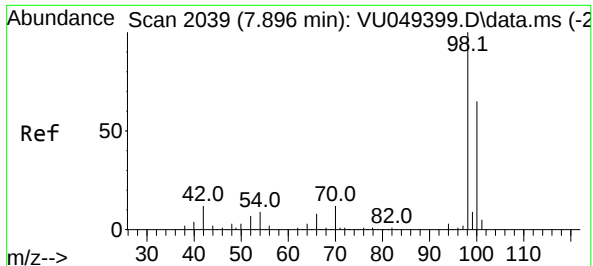
Tgt Ion: 78 Resp: 17904

Ion Ratio Lower Upper

78 100

77 26.5 18.8 28.2

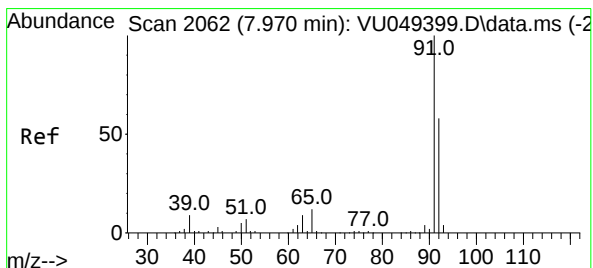
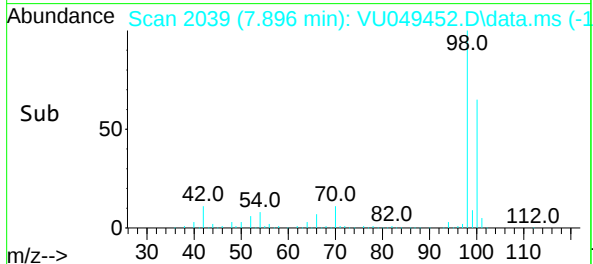
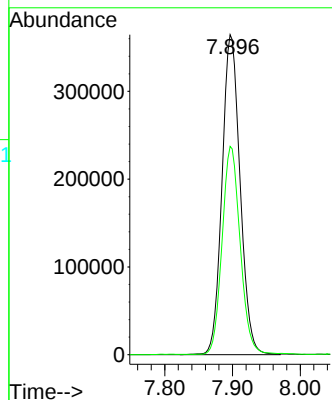
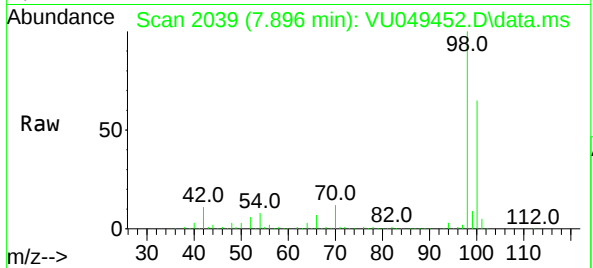




#50
Toluene-d8
Concen: 48.292 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049452.D
Acq: 28 Jun 2022 12:49

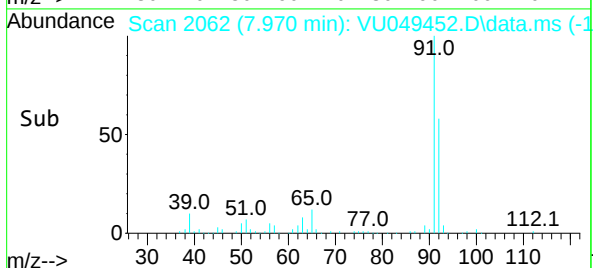
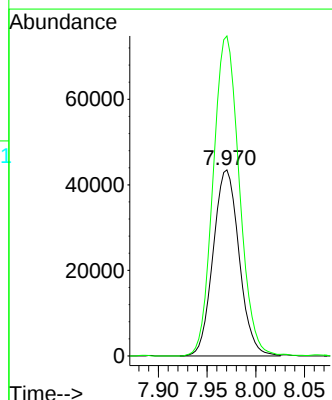
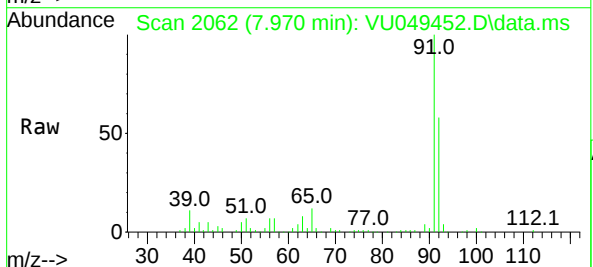
Instrument :
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WC-15-1-2-GR

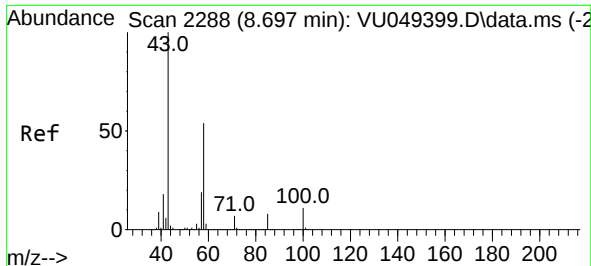
Tgt Ion: 98 Resp: 674624
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5



#52
Toluene
Concen: 7.918 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU049452.D
Acq: 28 Jun 2022 12:49

Tgt Ion: 92 Resp: 80687
Ion Ratio Lower Upper
92 100
91 173.6 138.2 207.4





#59

2-Hexanone

Concen: 25.918 ug/l

RT: 8.723 min Scan# 21

Delta R.T. 0.026 min

Lab File: VU049452.D

Acq: 28 Jun 2022 12:49

Instrument :

MSVOA_U

ClientSampleId :

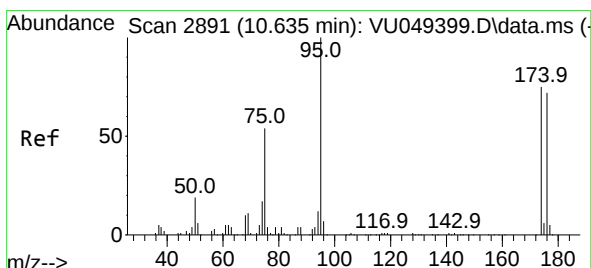
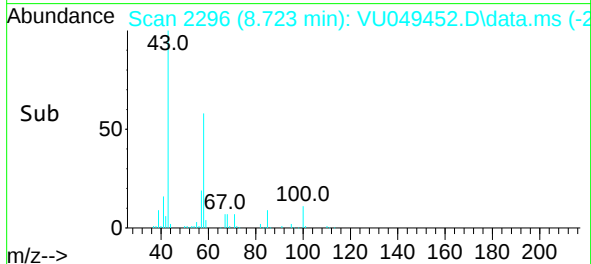
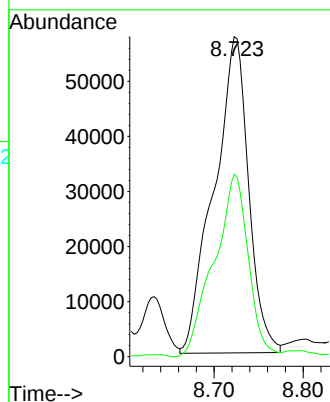
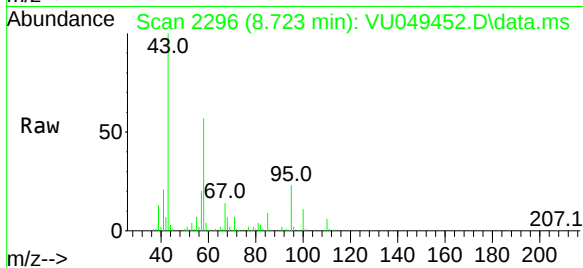
WC-15-1-2-GR

Tgt Ion: 43 Resp: 155103

Ion Ratio Lower Upper

43 100

58 57.0 30.3 90.8



#62

4-Bromofluorobenzene

Concen: 46.345 ug/l

RT: 10.642 min Scan# 2893

Delta R.T. 0.007 min

Lab File: VU049452.D

Acq: 28 Jun 2022 12:49

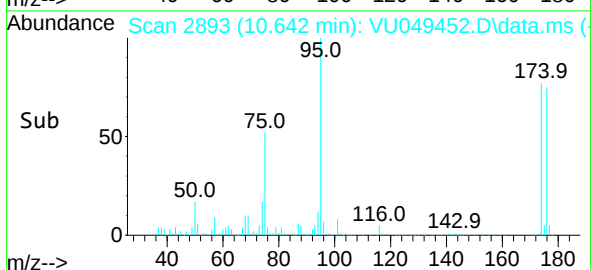
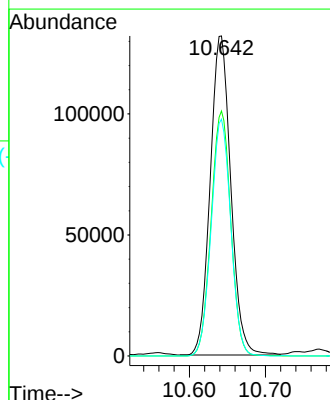
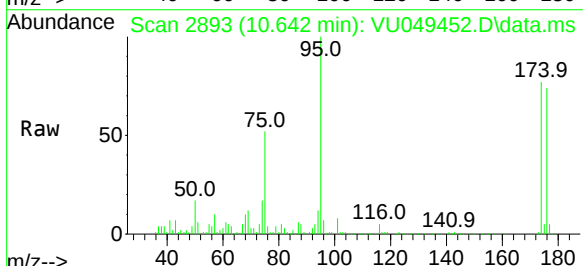
Tgt Ion: 95 Resp: 248008

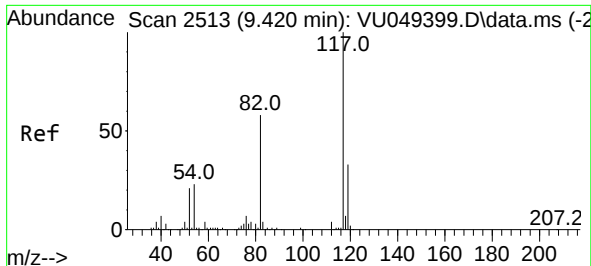
Ion Ratio Lower Upper

95 100

174 73.1 0.0 182.0

176 70.5 0.0 177.8

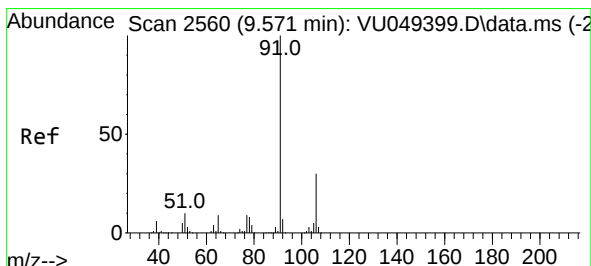
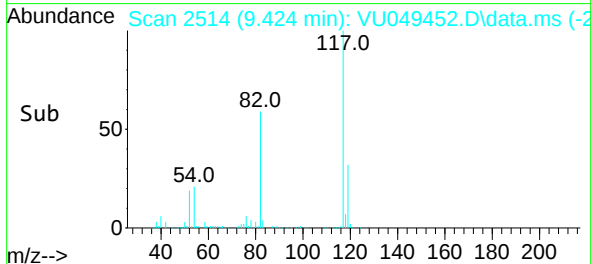
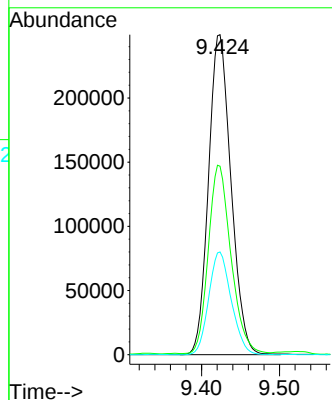
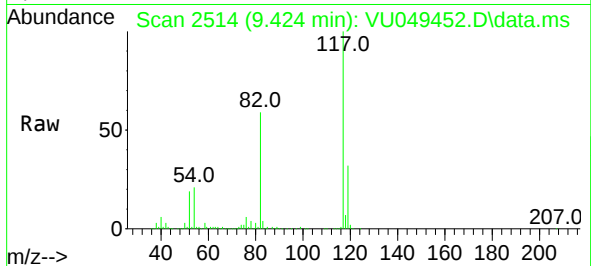




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.424 min Scan# 2513
Delta R.T. 0.004 min
Lab File: VU049452.D
Acq: 28 Jun 2022 12:49

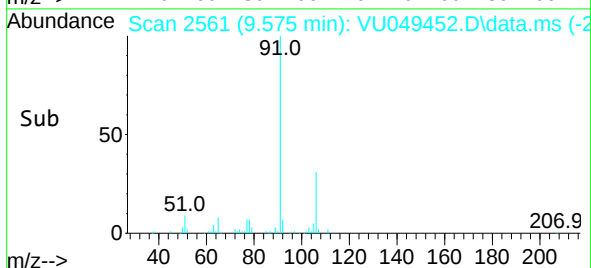
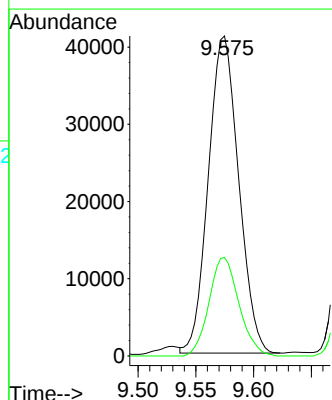
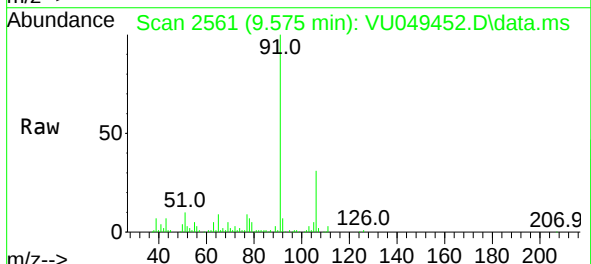
Instrument :
MSVOA_U
ClientSampleId :
WC-15-1-2-GR

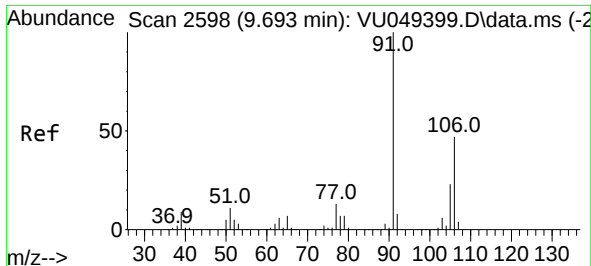
Tgt Ion:117 Resp: 501166
Ion Ratio Lower Upper
117 100
82 58.5 41.7 62.5
119 32.1 25.7 38.5



#67
Ethyl Benzene
Concen: 3.987 ug/l
RT: 9.575 min Scan# 2561
Delta R.T. 0.004 min
Lab File: VU049452.D
Acq: 28 Jun 2022 12:49

Tgt Ion: 91 Resp: 74988
Ion Ratio Lower Upper
91 100
106 31.1 25.6 38.4

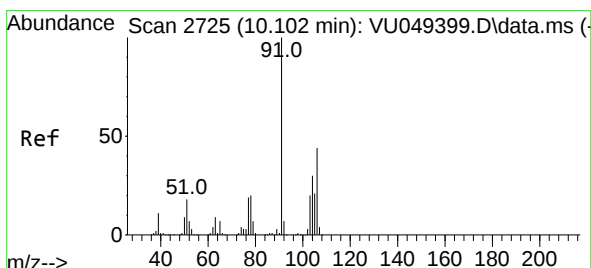
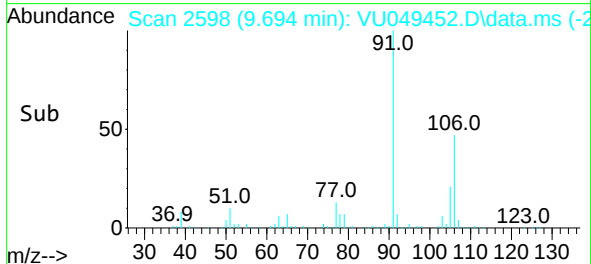
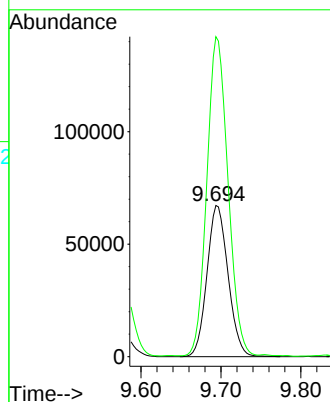
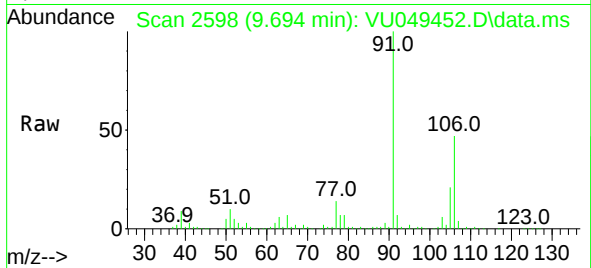




#68
m/p-Xylenes
Concen: 17.727 ug/l
RT: 9.694 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049452.D
Acq: 28 Jun 2022 12:49

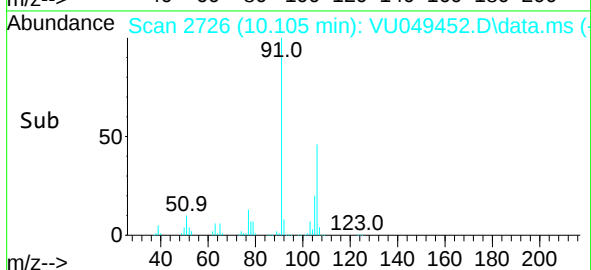
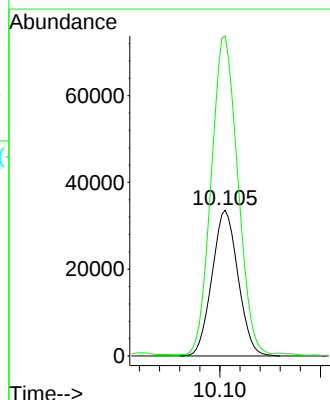
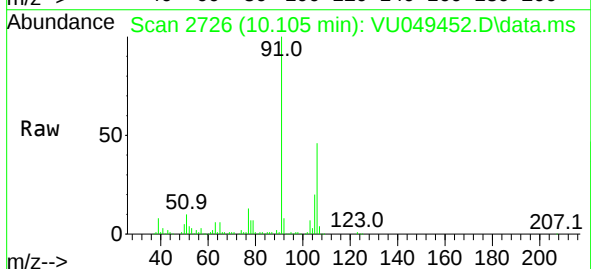
Instrument :
MSVOA_U
ClientSampleId :
WC-15-1-2-GR

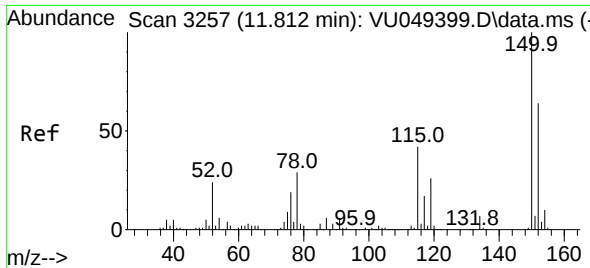
Tgt Ion:106 Resp: 123372
Ion Ratio Lower Upper
106 100
91 210.8 157.2 235.8



#69
o-Xylene
Concen: 8.743 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. 0.004 min
Lab File: VU049452.D
Acq: 28 Jun 2022 12:49

Tgt Ion:106 Resp: 60406
Ion Ratio Lower Upper
106 100
91 222.9 103.5 310.5

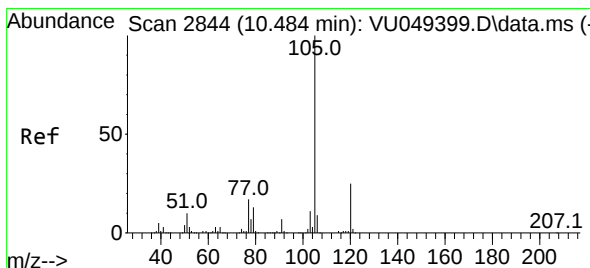
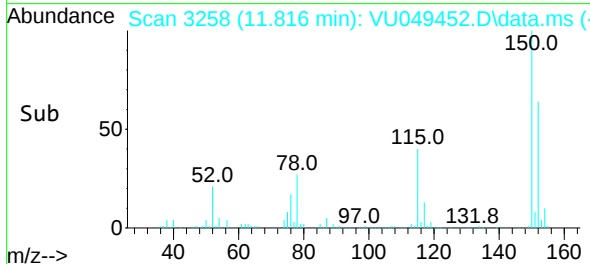
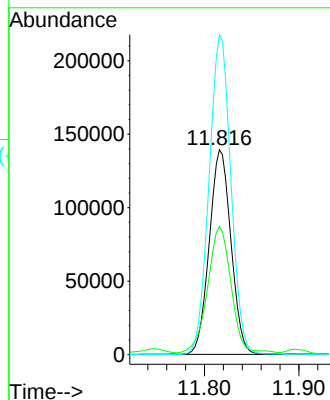
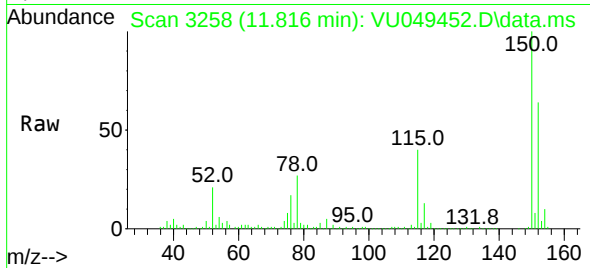




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 31
 Delta R.T. 0.004 min
 Lab File: VU049452.D
 Acq: 28 Jun 2022 12:49

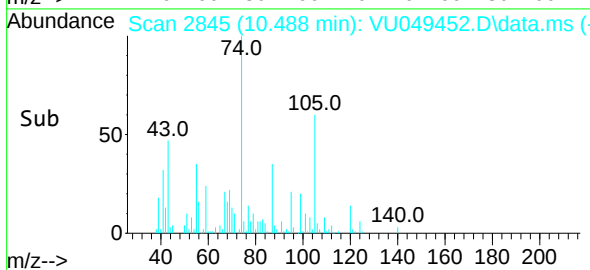
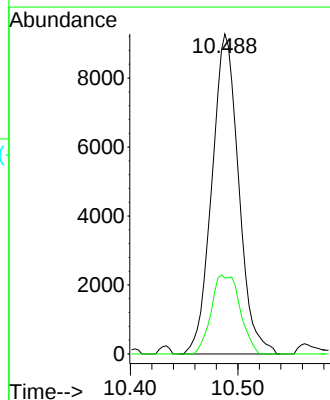
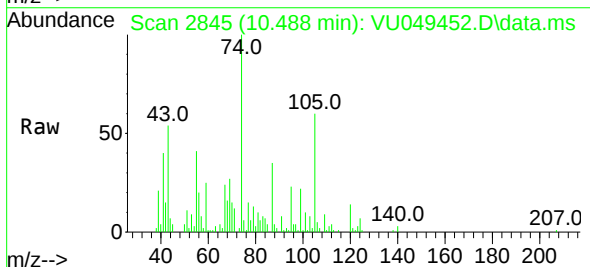
Instrument :
 MSVOA_U
 ClientSampleId :
 WC-15-1-2-GR

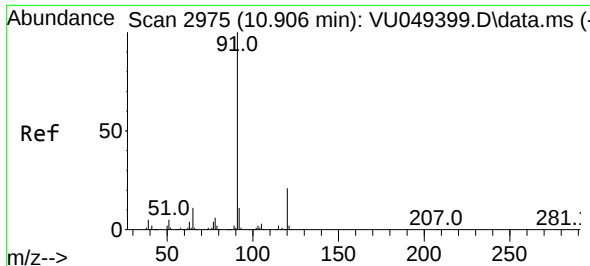
Tgt Ion:152 Resp: 221476
 Ion Ratio Lower Upper
 152 100
 115 67.7 37.0 110.9
 150 157.2 0.0 342.2



#73
 Isopropylbenzene
 Concen: 1.017 ug/l
 RT: 10.488 min Scan# 2845
 Delta R.T. 0.004 min
 Lab File: VU049452.D
 Acq: 28 Jun 2022 12:49

Tgt Ion:105 Resp: 16041
 Ion Ratio Lower Upper
 105 100
 120 26.4 13.8 41.4

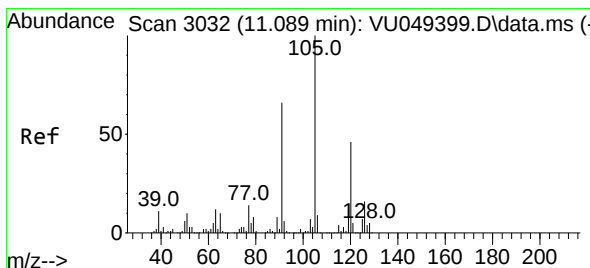
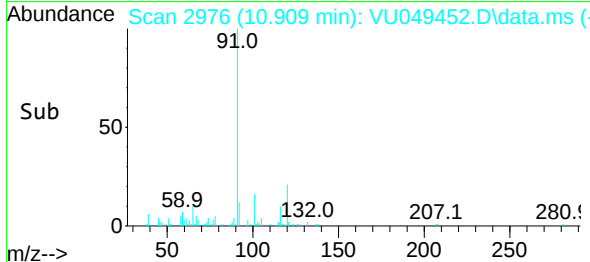
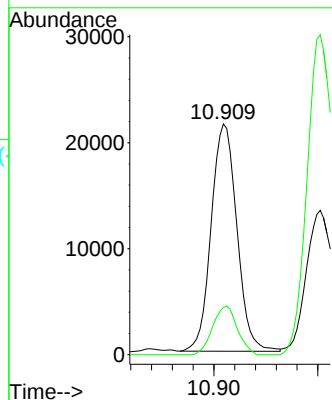
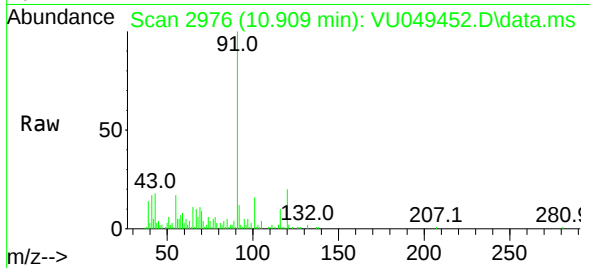




#78
n-propylbenzene
Concen: 1.923 ug/l
RT: 10.909 min Scan# 2975
Delta R.T. 0.004 min
Lab File: VU049452.D
Acq: 28 Jun 2022 12:49

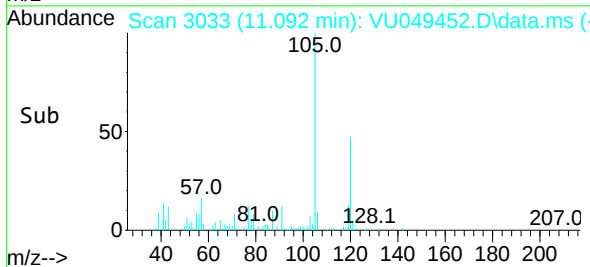
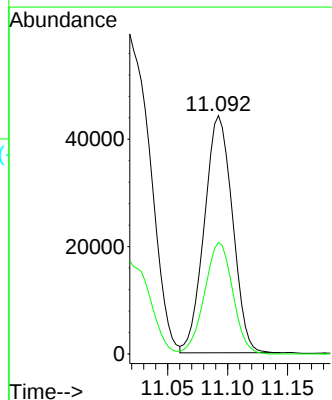
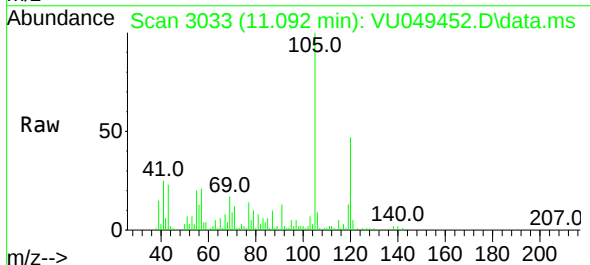
Instrument :
MSVOA_U
ClientSampleId :
WC-15-1-2-GR

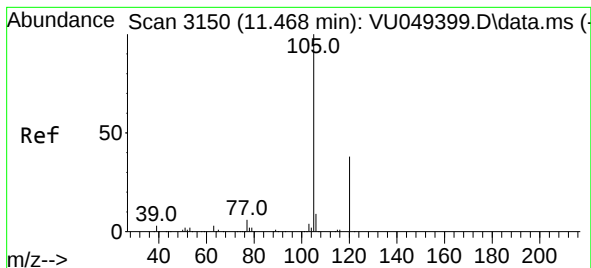
Tgt Ion: 91 Resp: 36873
Ion Ratio Lower Upper
91 100
120 20.4 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 5.242 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.004 min
Lab File: VU049452.D
Acq: 28 Jun 2022 12:49

Tgt Ion: 105 Resp: 72196
Ion Ratio Lower Upper
105 100
120 47.0 25.3 75.9





#84

1,2,4-Trimethylbenzene

Concen: 20.617 ug/l

RT: 11.472 min Scan# 3151

Delta R.T. 0.004 min

Lab File: VU049452.D

Acq: 28 Jun 2022 12:49

Instrument :

MSVOA_U

ClientSampleId :

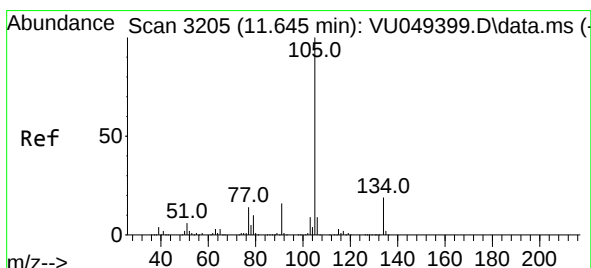
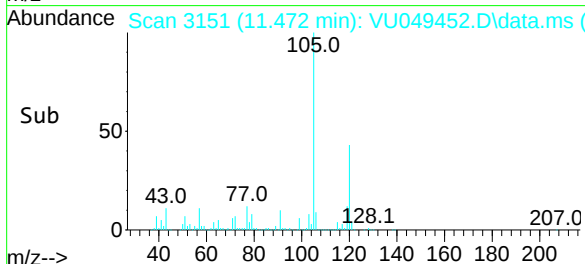
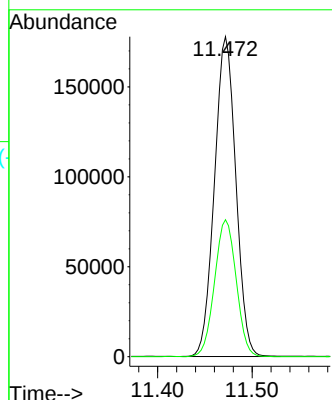
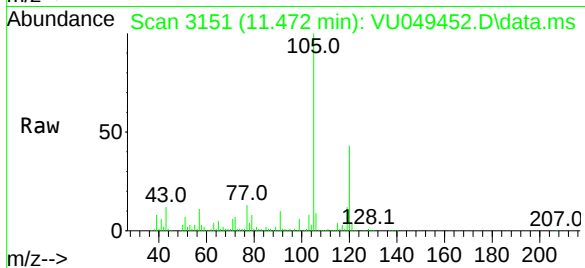
WC-15-1-2-GR

Tgt Ion:105 Resp: 278980

Ion Ratio Lower Upper

105 100

120 43.4 23.4 70.3



#85

sec-Butylbenzene

Concen: 0.539 ug/l

RT: 11.649 min Scan# 3206

Delta R.T. 0.004 min

Lab File: VU049452.D

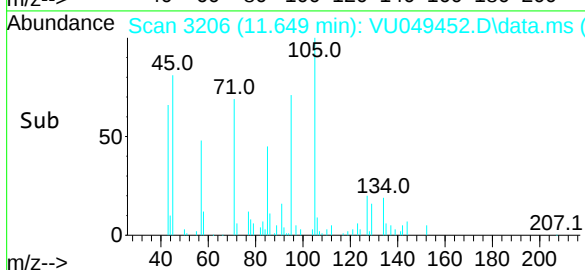
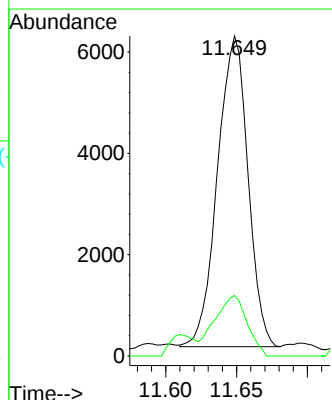
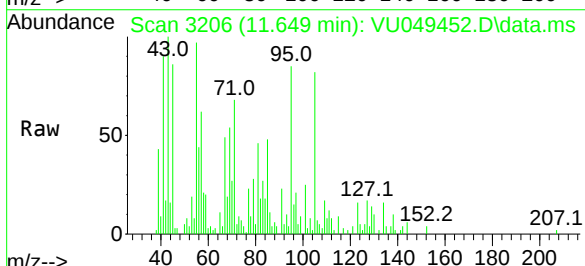
Acq: 28 Jun 2022 12:49

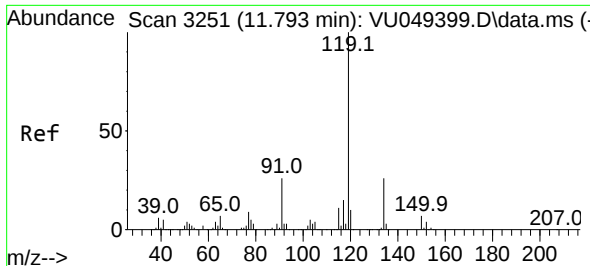
Tgt Ion:105 Resp: 9178

Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.1

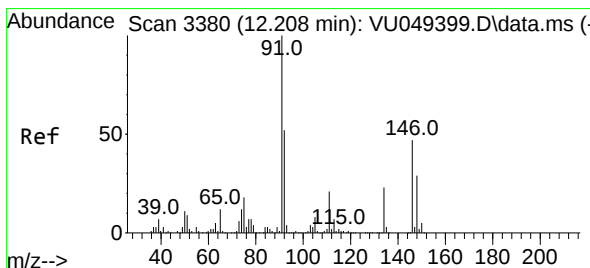
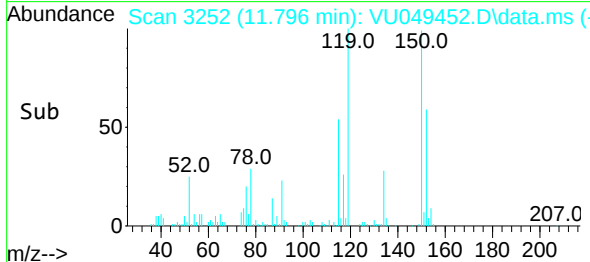
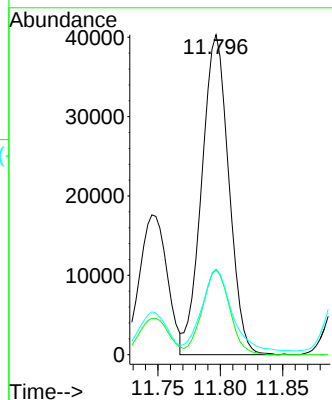
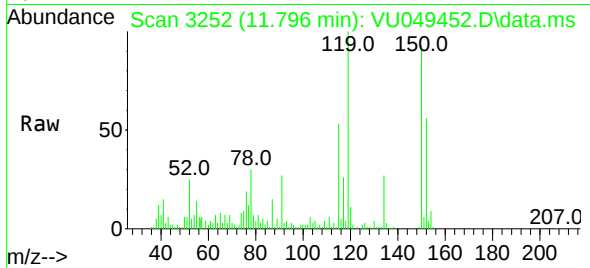




#86
p-Isopropyltoluene
Concen: 4.418 ug/l
RT: 11.796 min Scan# 31
Delta R.T. 0.004 min
Lab File: VU049452.D
Acq: 28 Jun 2022 12:49

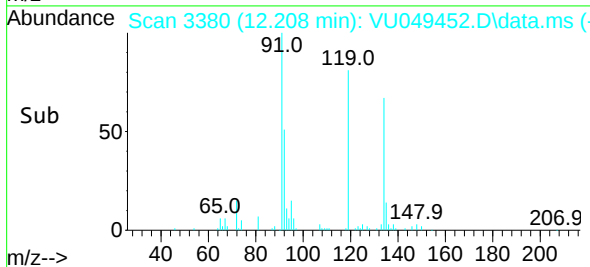
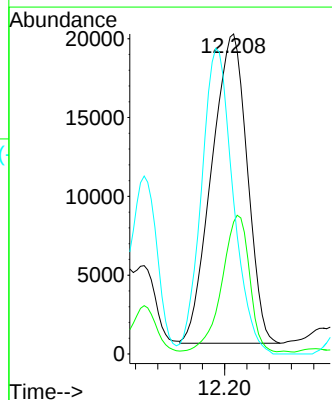
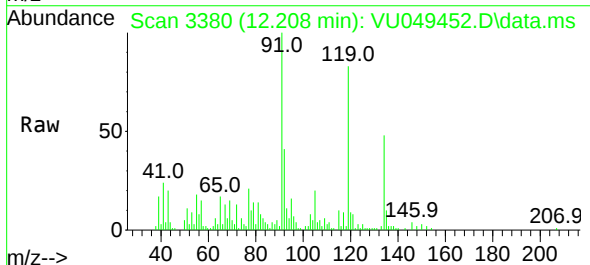
Instrument :
MSVOA_U
ClientSampleId :
WC-15-1-2-GR

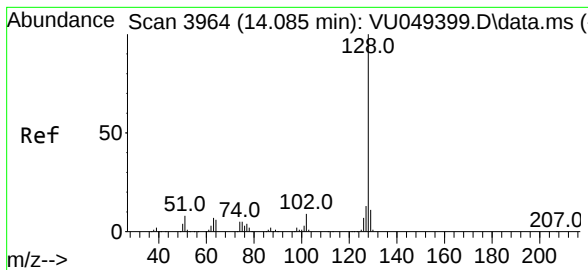
Tgt Ion:119 Resp: 60862
Ion Ratio Lower Upper
119 100
134 26.7 13.5 40.4
91 28.0 11.2 33.5



#89
n-Butylbenzene
Concen: 3.410 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU049452.D
Acq: 28 Jun 2022 12:49

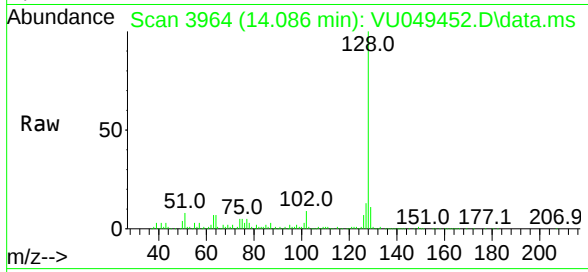
Tgt Ion: 91 Resp: 43475
Ion Ratio Lower Upper
91 100
92 34.5 26.2 78.6
134 88.2 13.5 40.4#





#95
Naphthalene
Concen: 15.464 ug/l
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU049452.D
Acq: 28 Jun 2022 12:49

Instrument :
MSVOA_U
ClientSampleId :
WC-15-1-2-GR



Tgt Ion:128 Resp: 246596
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 13.4 8.6 13.0#

