

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049453.D
 Acq On : 28 Jun 2022 13:13
 Operator : SY/MD
 Sample : N3454-05
 Misc : 4.55G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jun 28 17:10:14 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)

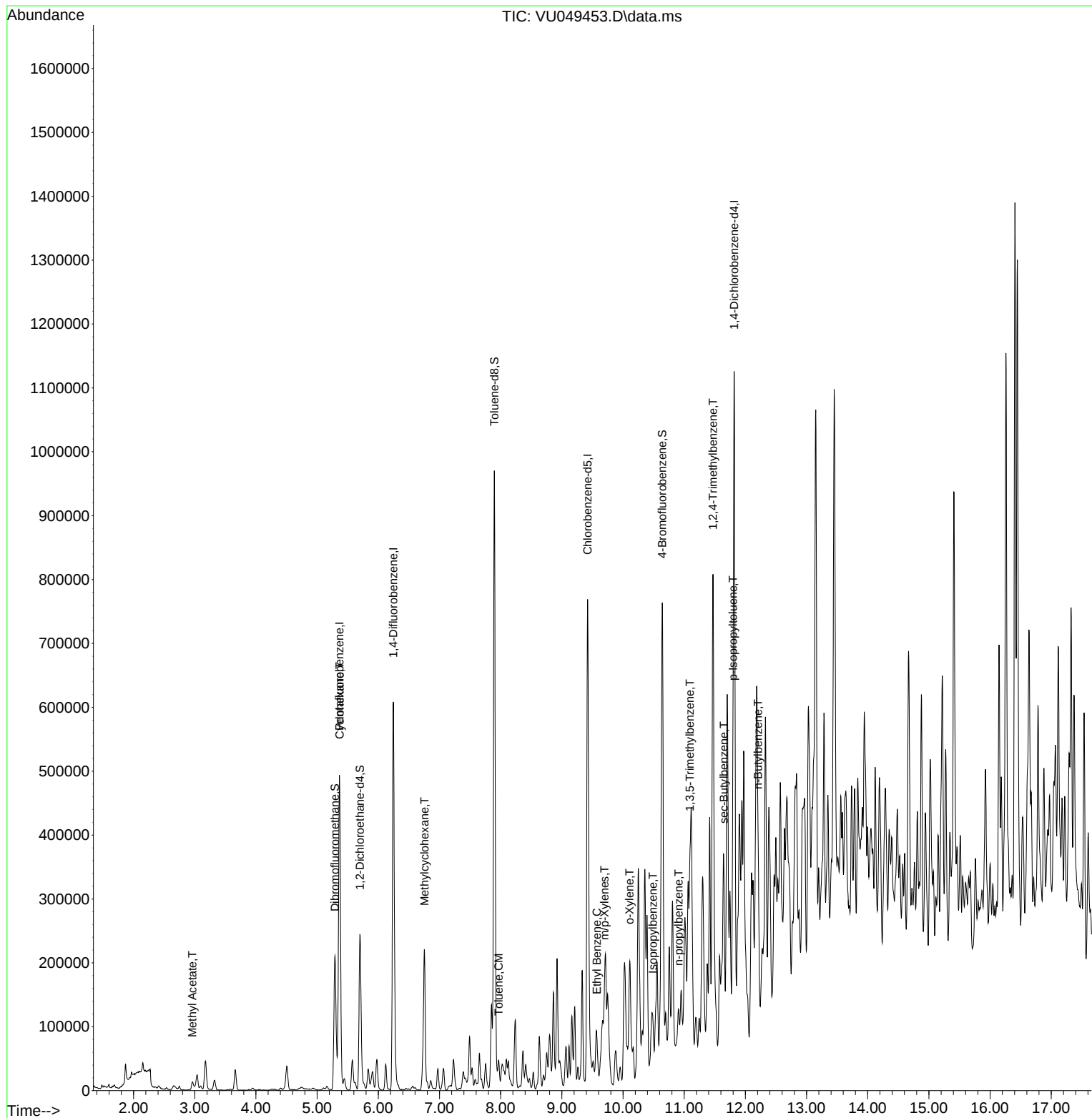
Internal Standards						
1) Pentafluorobenzene	5.366	168	318412	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	554805	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	514886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	241282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	208865	42.593	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.180%
35) Dibromofluoromethane	5.292	113	166395	42.868	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.740%
50) Toluene-d8	7.896	98	681248	49.207	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.420%
62) 4-Bromofluorobenzene	10.642	95	256339	48.335	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.680%
Target Compounds						
						Qvalue
18) Methyl Acetate	2.961	43	20729	3.097	ug/l	93
31) Cyclohexane	5.369	56	39340	5.343	ug/l	# 87
39) Methylcyclohexane	6.755	83	95327	14.130	ug/l	93
52) Toluene	7.967	92	10821	1.071	ug/l	96
67) Ethyl Benzene	9.575	91	29346	1.519	ug/l	100
68) m/p-Xylenes	9.697	106	25117	3.513	ug/l	87
69) o-Xylene	10.105	106	38783	5.464	ug/l	89
73) Isopropylbenzene	10.488	105	39919	2.322	ug/l	95
78) n-propylbenzene	10.909	91	54501	2.610	ug/l	95
80) 1,3,5-Trimethylbenzene	11.092	105	139776	9.315	ug/l	93
84) 1,2,4-Trimethylbenzene	11.472	105	357328	24.240	ug/l	95
85) sec-Butylbenzene	11.648	105	47733	2.572	ug/l	99
86) p-Isopropyltoluene	11.796	119	195046	12.998	ug/l	96
89) n-Butylbenzene	12.208	91	73979	5.326	ug/l	# 47

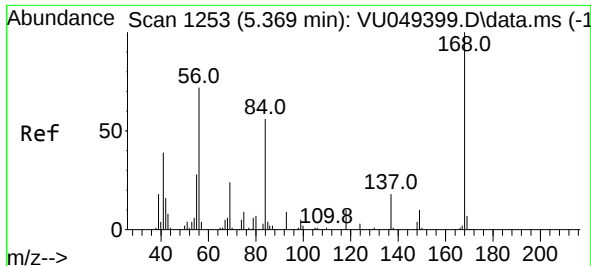
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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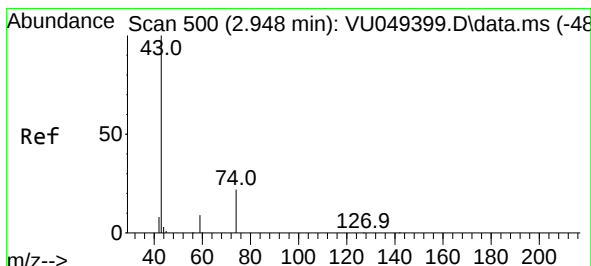
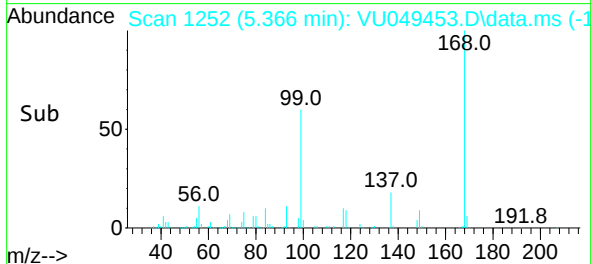
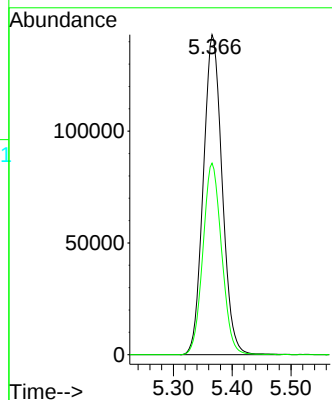
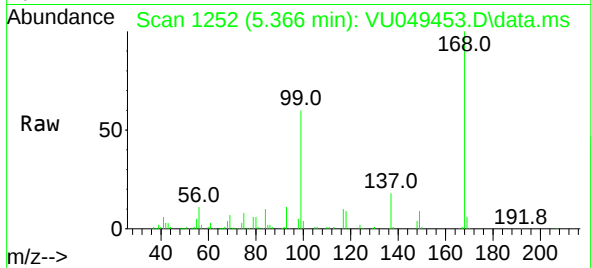




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049453.D
Acq: 28 Jun 2022 13:13

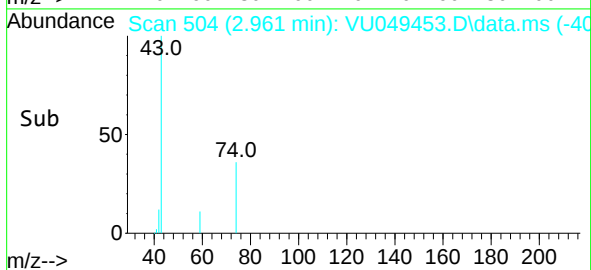
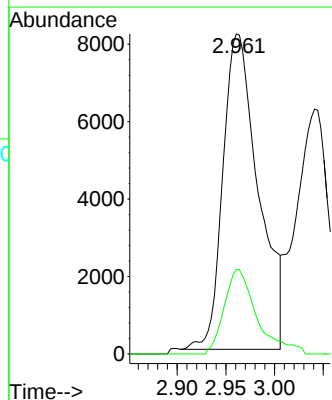
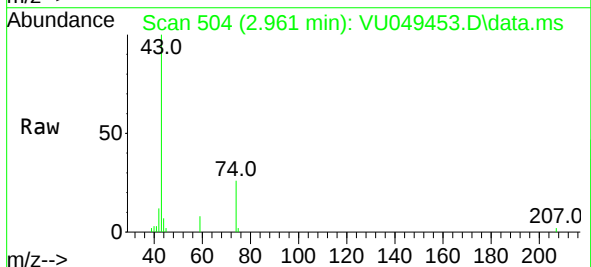
Instrument :
MSVOA_U
ClientSampleId :
WC-15-1-2

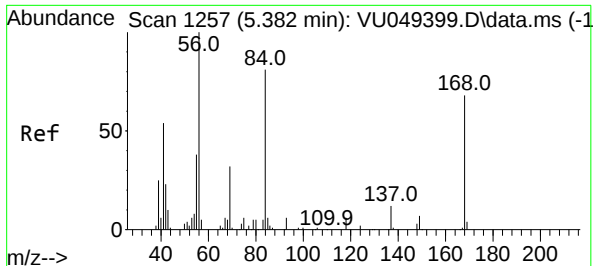
Tgt Ion:168 Resp: 318412
Ion Ratio Lower Upper
168 100
99 59.9 39.3 58.9#



#18
Methyl Acetate
Concen: 3.097 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.013 min
Lab File: VU049453.D
Acq: 28 Jun 2022 13:13

Tgt Ion: 43 Resp: 20729
Ion Ratio Lower Upper
43 100
74 24.5 22.5 33.7





#31

Cyclohexane

Concen: 5.343 ug/l

RT: 5.369 min Scan# 11

Delta R.T. -0.013 min

Lab File: VU049453.D

Acq: 28 Jun 2022 13:13

Instrument :

MSVOA_U

ClientSampleId :

WC-15-1-2

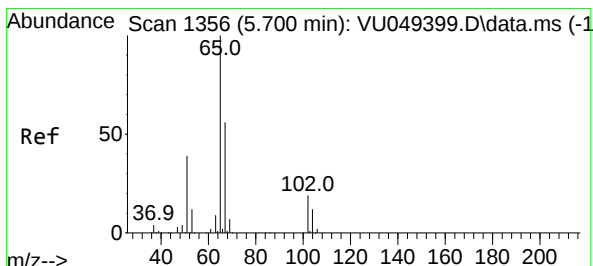
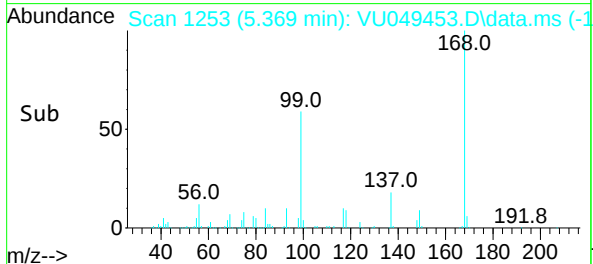
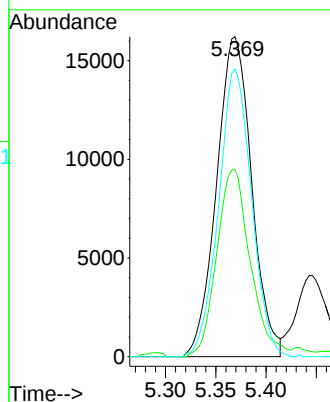
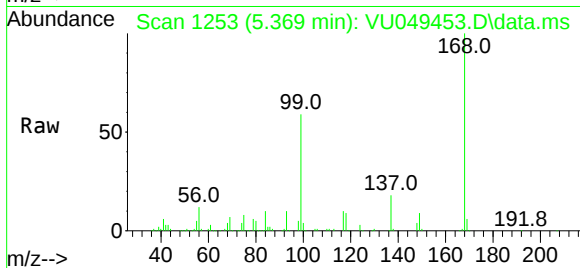
Tgt Ion: 56 Resp: 39340

Ion Ratio Lower Upper

56 100

69 58.5 27.8 41.8#

84 89.8 74.2 111.4



#33

1,2-Dichloroethane-d4

Concen: 42.593 ug/l

RT: 5.700 min Scan# 1356

Delta R.T. 0.000 min

Lab File: VU049453.D

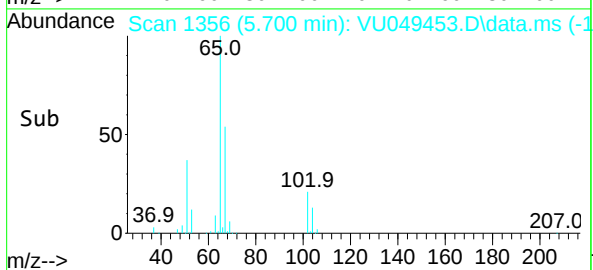
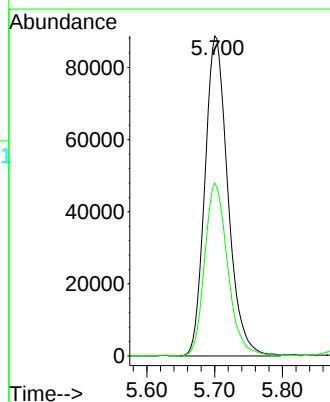
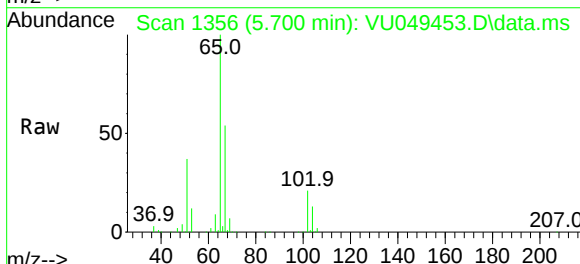
Acq: 28 Jun 2022 13:13

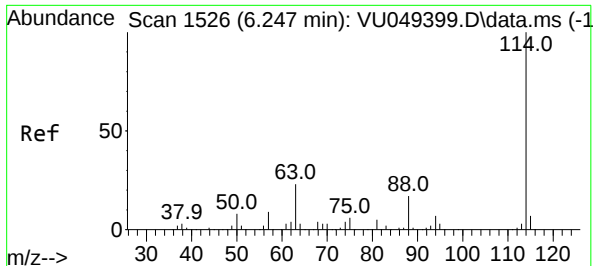
Tgt Ion: 65 Resp: 208865

Ion Ratio Lower Upper

65 100

67 54.2 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 114

Delta R.T. 0.000 min

Lab File: VU049453.D

Acq: 28 Jun 2022 13:13

Instrument :

MSVOA_U

ClientSampleId :

WC-15-1-2

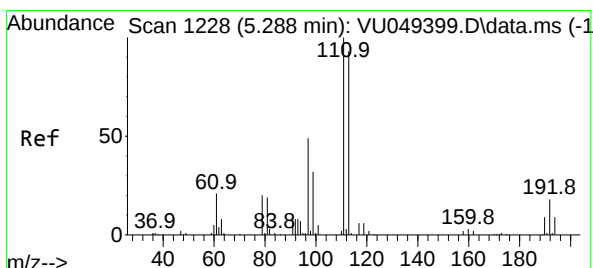
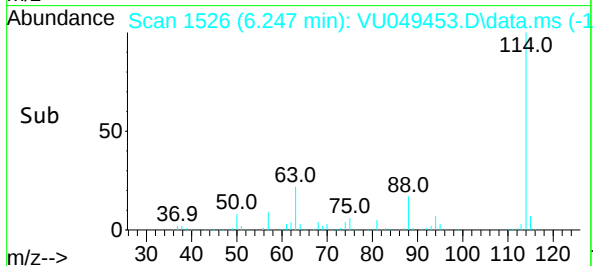
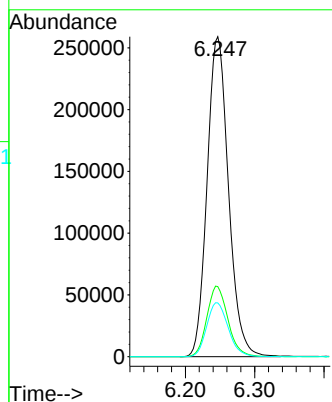
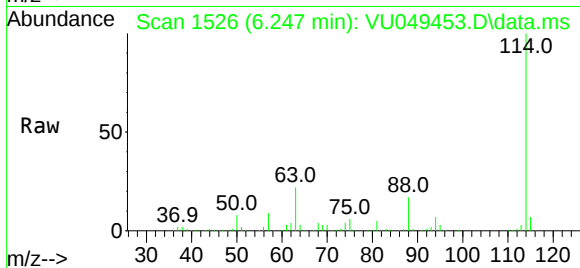
Tgt Ion:114 Resp: 554805

Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.8

88 16.8 0.0 29.2



#35

Dibromofluoromethane

Concen: 42.868 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. 0.003 min

Lab File: VU049453.D

Acq: 28 Jun 2022 13:13

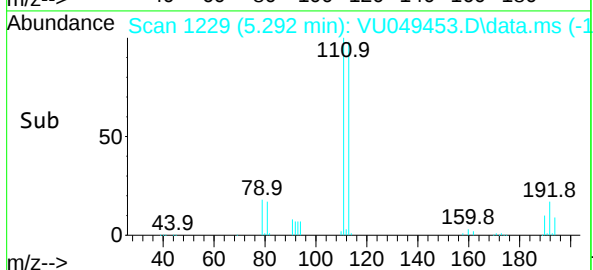
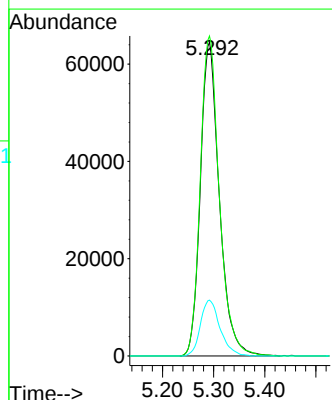
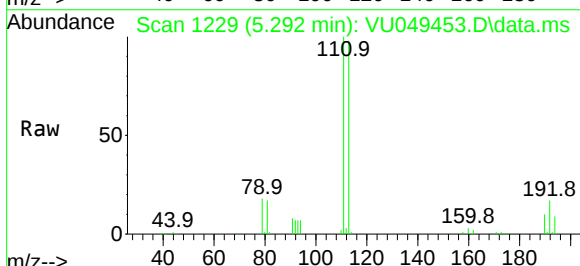
Tgt Ion:113 Resp: 166395

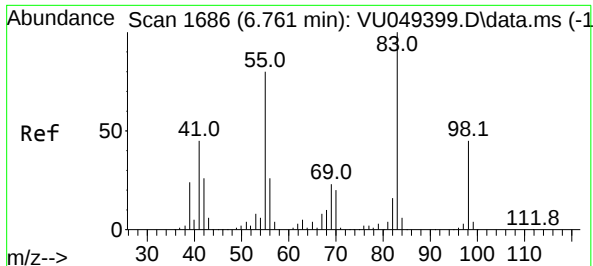
Ion Ratio Lower Upper

113 100

111 102.5 82.1 123.1

192 18.4 18.0 27.0





#39

Methylcyclohexane

Concen: 14.130 ug/l

RT: 6.755 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU049453.D

Acq: 28 Jun 2022 13:13

Instrument :

MSVOA_U

ClientSampleId :

WC-15-1-2

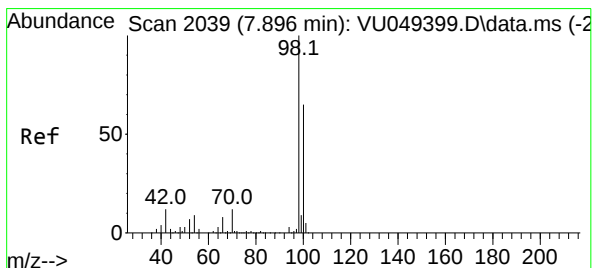
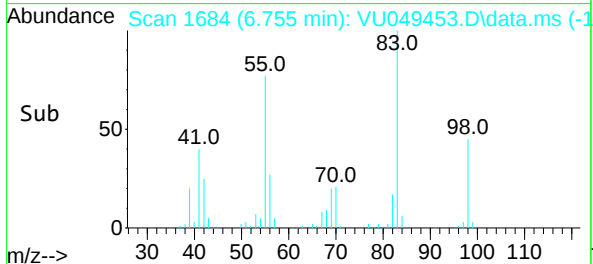
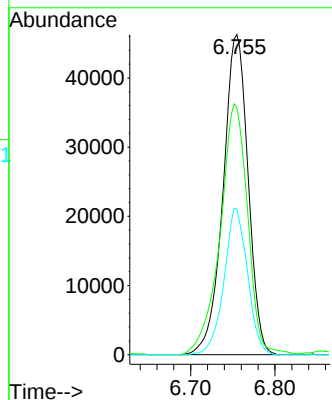
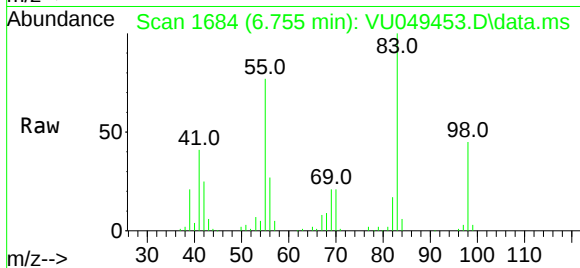
Tgt Ion: 83 Resp: 95327

Ion Ratio Lower Upper

83 100

55 77.3 55.3 82.9

98 45.5 37.3 55.9



#50

Toluene-d8

Concen: 49.207 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VU049453.D

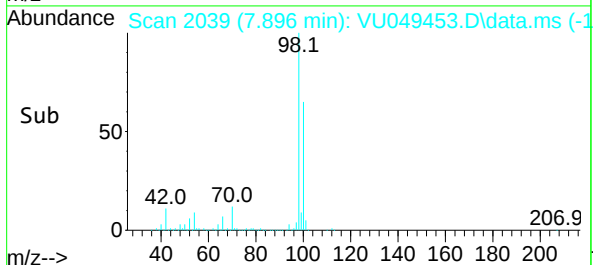
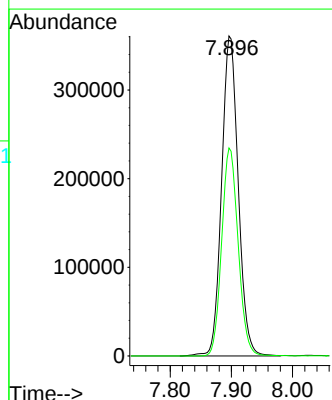
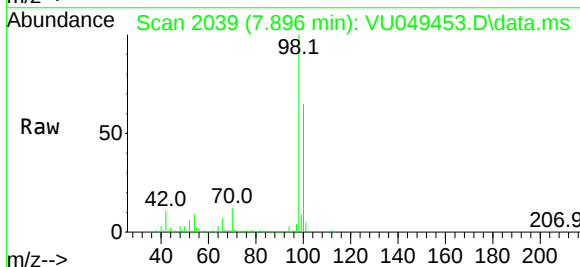
Acq: 28 Jun 2022 13:13

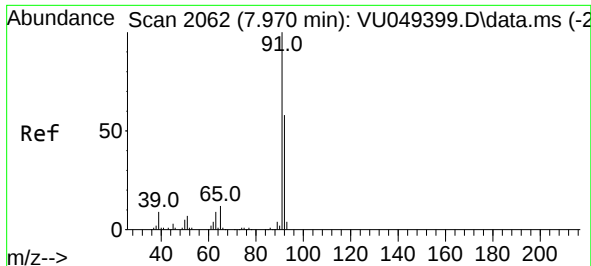
Tgt Ion: 98 Resp: 681248

Ion Ratio Lower Upper

98 100

100 64.3 51.7 77.5

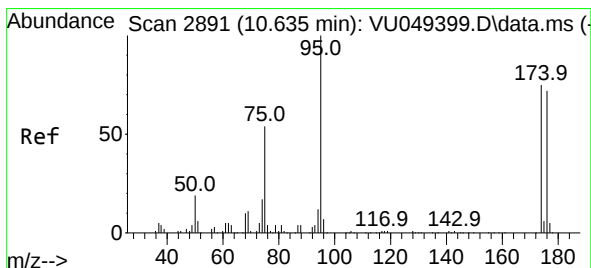
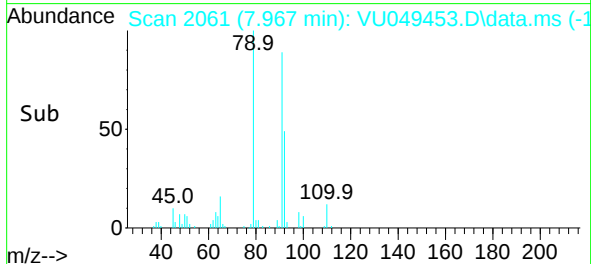
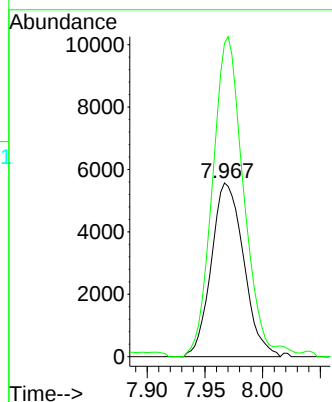
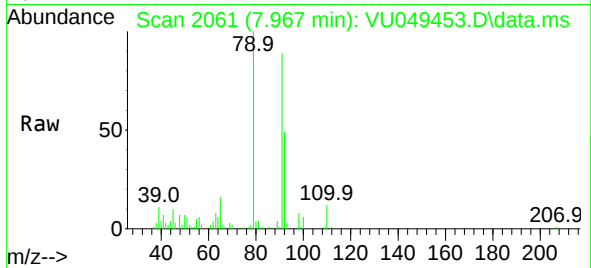




#52
Toluene
Concen: 1.071 ug/l
RT: 7.967 min Scan# 2062
Delta R.T. -0.003 min
Lab File: VU049453.D
Acq: 28 Jun 2022 13:13

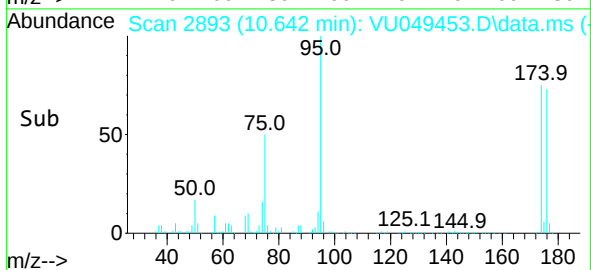
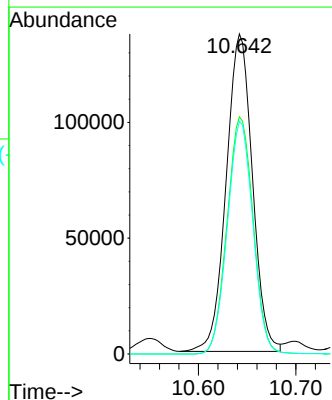
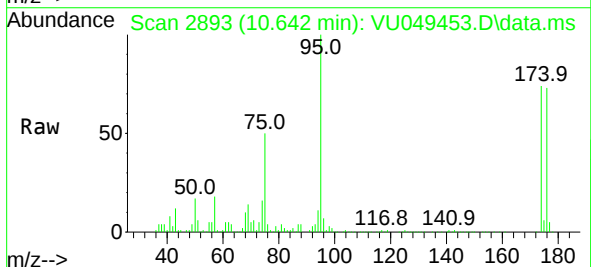
Instrument :
MSVOA_U
ClientSampleId :
WC-15-1-2

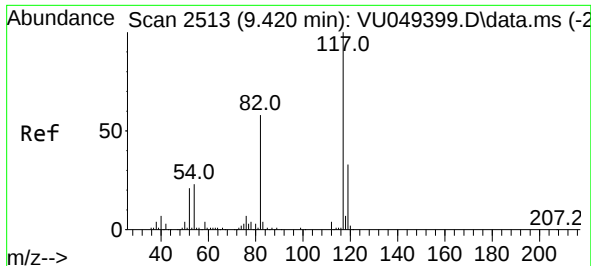
Tgt Ion: 92 Resp: 10821
Ion Ratio Lower Upper
92 100
91 177.9 138.2 207.4



#62
4-Bromofluorobenzene
Concen: 48.335 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.007 min
Lab File: VU049453.D
Acq: 28 Jun 2022 13:13

Tgt Ion: 95 Resp: 256339
Ion Ratio Lower Upper
95 100
174 74.3 0.0 182.0
176 71.5 0.0 177.8

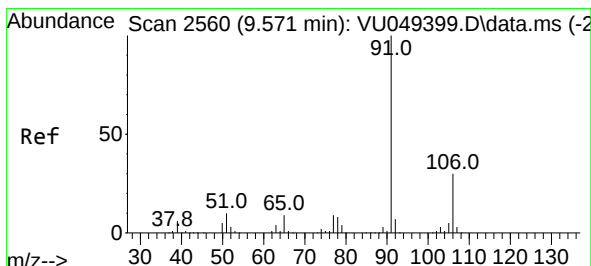
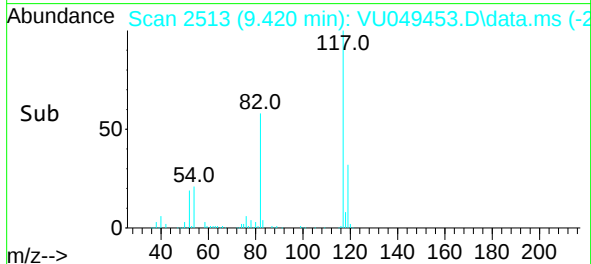
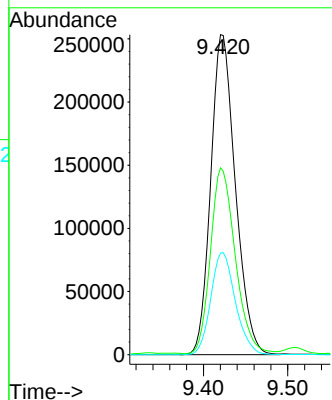
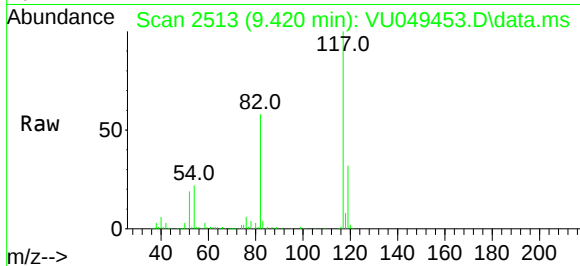




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU049453.D
Acq: 28 Jun 2022 13:13

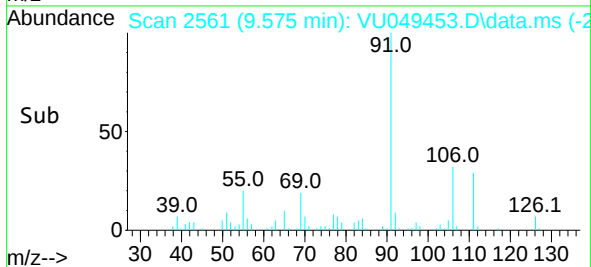
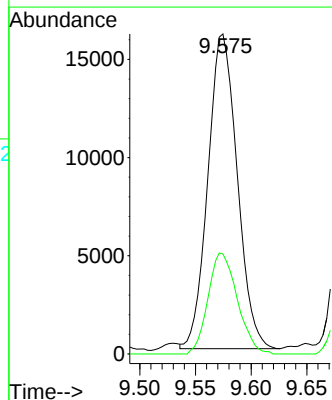
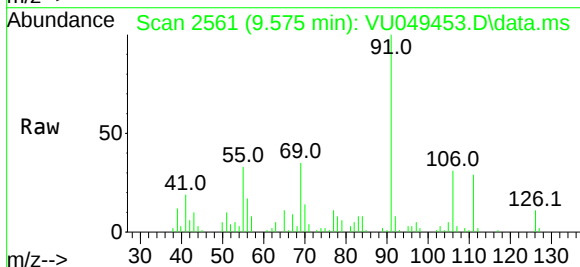
Instrument :
MSVOA_U
ClientSampleId :
WC-15-1-2

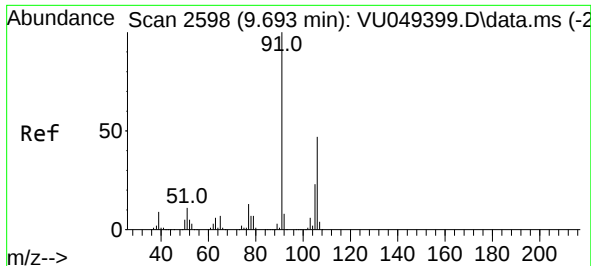
Tgt Ion:117 Resp: 514886
Ion Ratio Lower Upper
117 100
82 58.0 41.7 62.5
119 31.8 25.7 38.5



#67
Ethyl Benzene
Concen: 1.519 ug/l
RT: 9.575 min Scan# 2561
Delta R.T. 0.003 min
Lab File: VU049453.D
Acq: 28 Jun 2022 13:13

Tgt Ion: 91 Resp: 29346
Ion Ratio Lower Upper
91 100
106 31.8 25.6 38.4

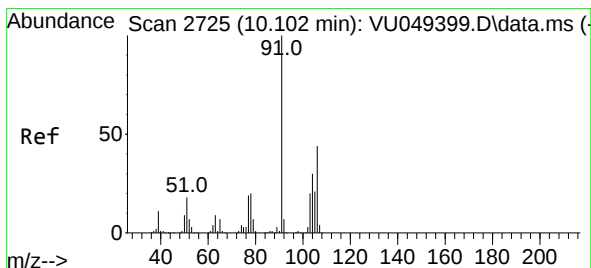
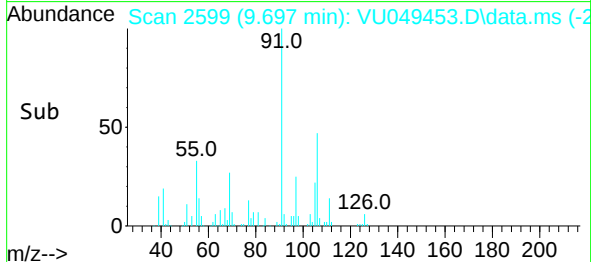
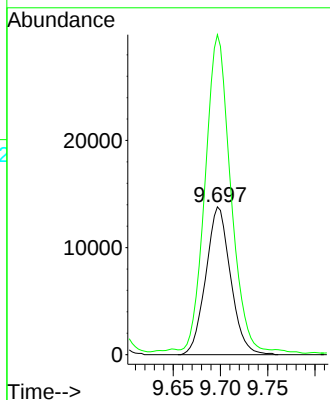
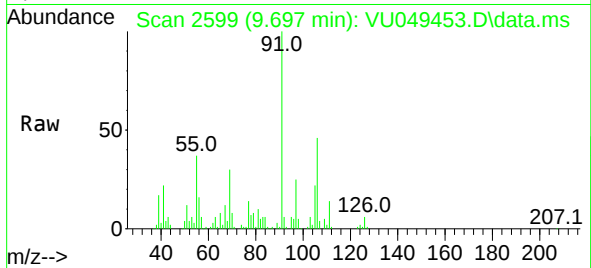




#68
m/p-Xylenes
Concen: 3.513 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU049453.D
Acq: 28 Jun 2022 13:13

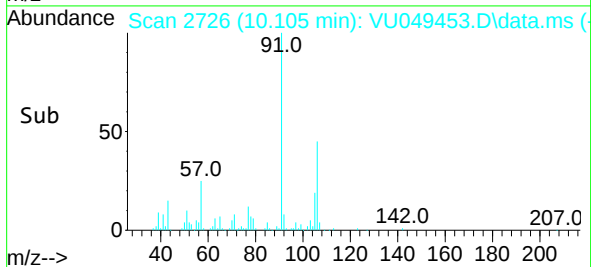
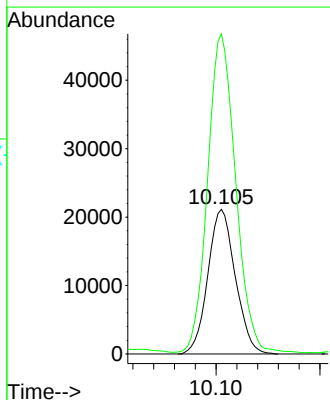
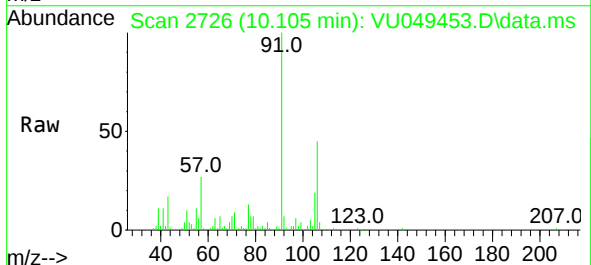
Instrument :
MSVOA_U
ClientSampleId :
WC-15-1-2

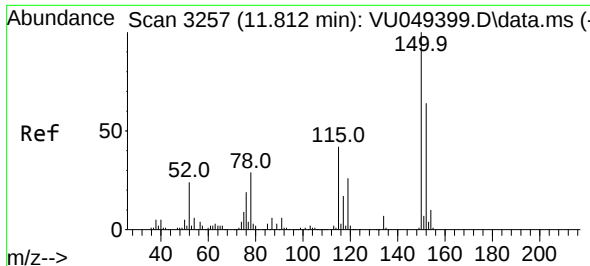
Tgt Ion:106 Resp: 25117
Ion Ratio Lower Upper
106 100
91 215.4 157.2 235.8



#69
o-Xylene
Concen: 5.464 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. 0.003 min
Lab File: VU049453.D
Acq: 28 Jun 2022 13:13

Tgt Ion:106 Resp: 38783
Ion Ratio Lower Upper
106 100
91 224.8 103.5 310.5

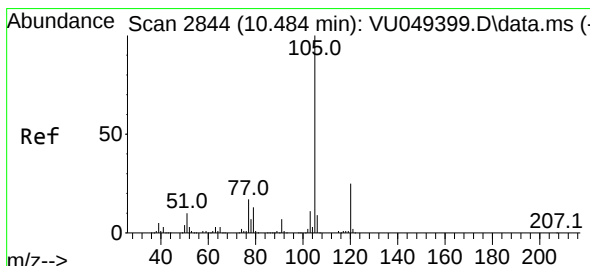
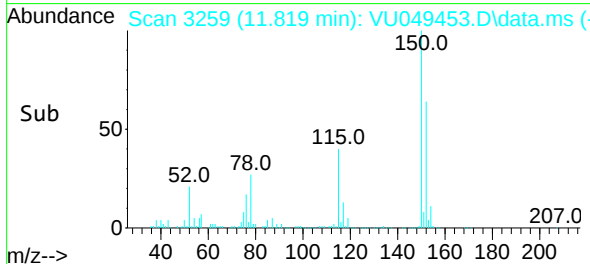
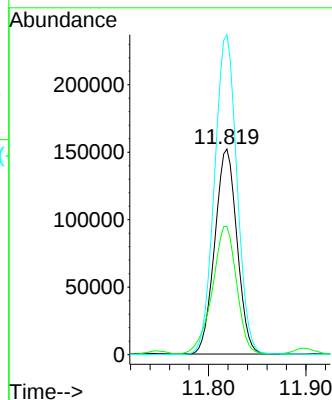
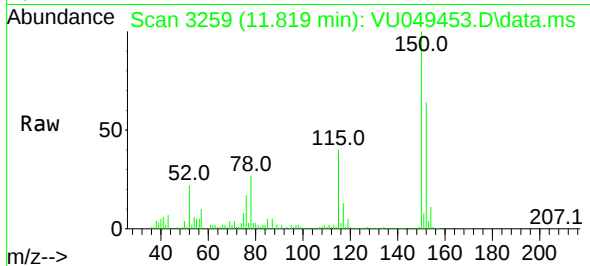




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 31
 Delta R.T. 0.007 min
 Lab File: VU049453.D
 Acq: 28 Jun 2022 13:13

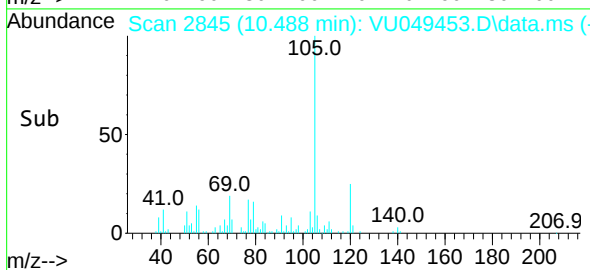
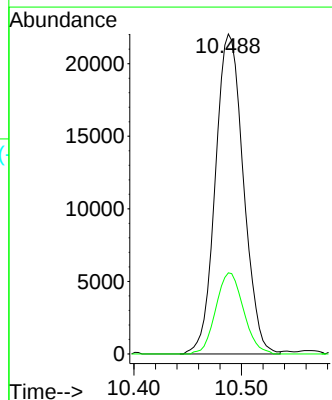
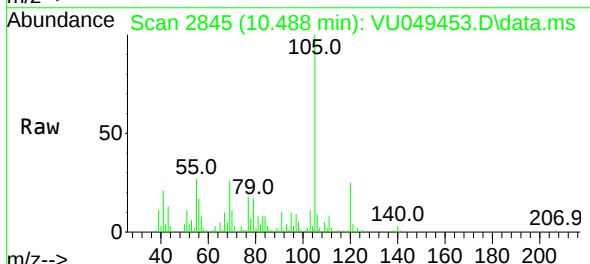
Instrument :
 MSVOA_U
 ClientSampleId :
 WC-15-1-2

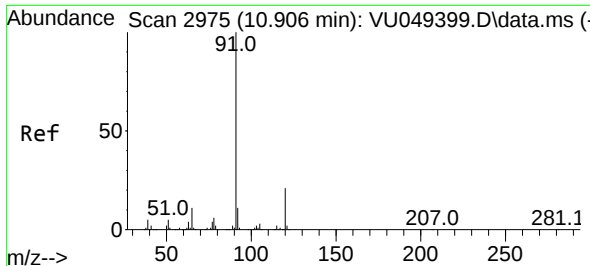
Tgt Ion:152 Resp: 241282
 Ion Ratio Lower Upper
 152 100
 115 68.4 37.0 110.9
 150 157.7 0.0 342.2



#73
 Isopropylbenzene
 Concen: 2.322 ug/l
 RT: 10.488 min Scan# 2845
 Delta R.T. 0.003 min
 Lab File: VU049453.D
 Acq: 28 Jun 2022 13:13

Tgt Ion:105 Resp: 39919
 Ion Ratio Lower Upper
 105 100
 120 25.0 13.8 41.4

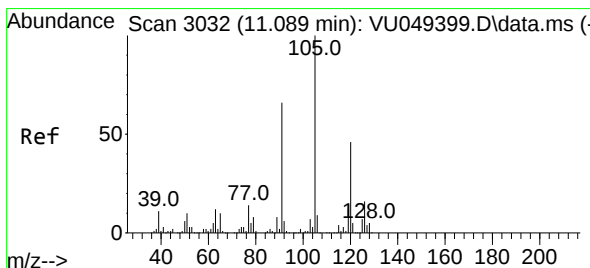
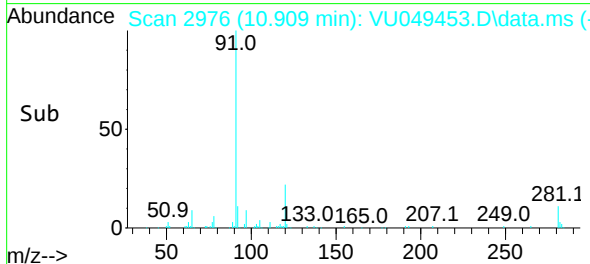
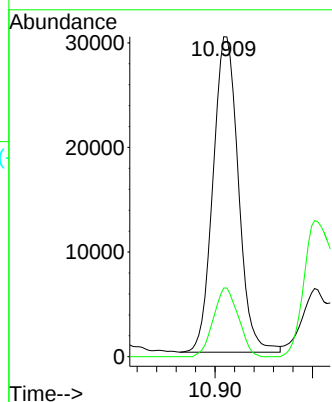
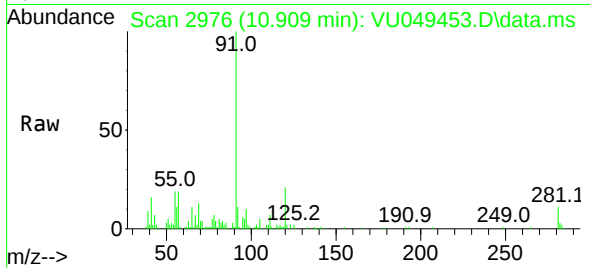




#78
n-propylbenzene
Concen: 2.610 ug/l
RT: 10.909 min Scan# 2975
Delta R.T. 0.003 min
Lab File: VU049453.D
Acq: 28 Jun 2022 13:13

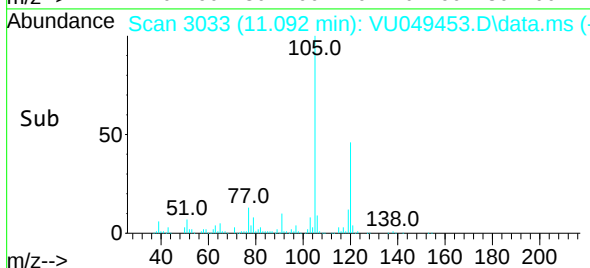
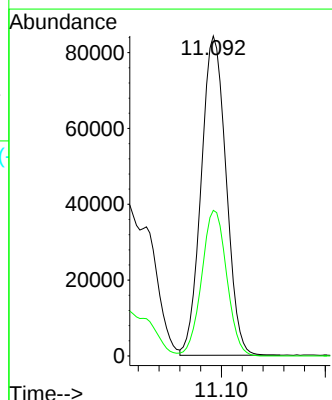
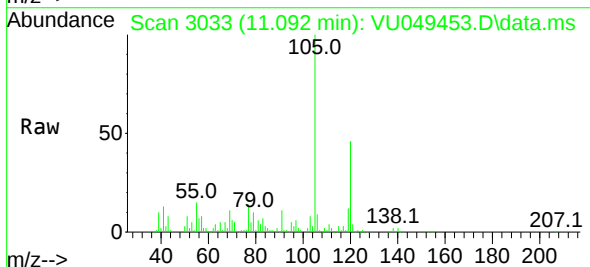
Instrument :
MSVOA_U
ClientSampleId :
WC-15-1-2

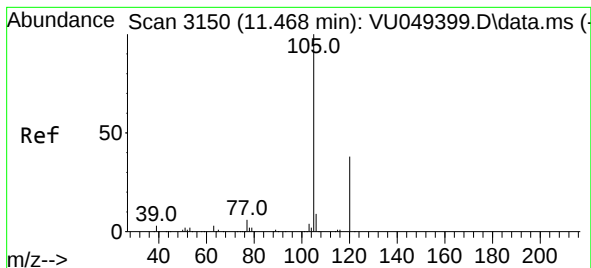
Tgt Ion: 91 Resp: 54501
Ion Ratio Lower Upper
91 100
120 21.4 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 9.315 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU049453.D
Acq: 28 Jun 2022 13:13

Tgt Ion: 105 Resp: 139776
Ion Ratio Lower Upper
105 100
120 46.0 25.3 75.9





#84

1,2,4-Trimethylbenzene

Concen: 24.240 ug/l

RT: 11.472 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VU049453.D

Acq: 28 Jun 2022 13:13

Instrument :

MSVOA_U

ClientSampleId :

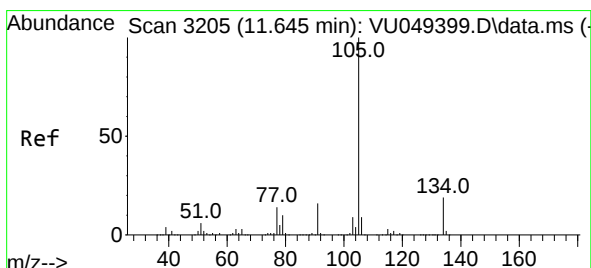
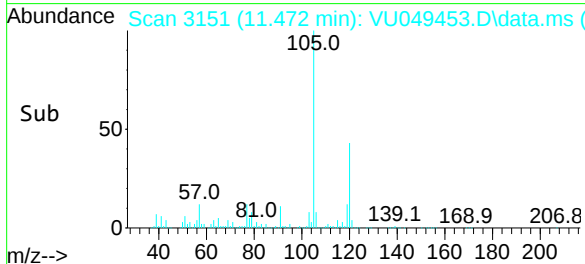
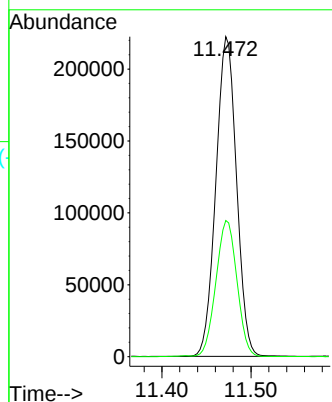
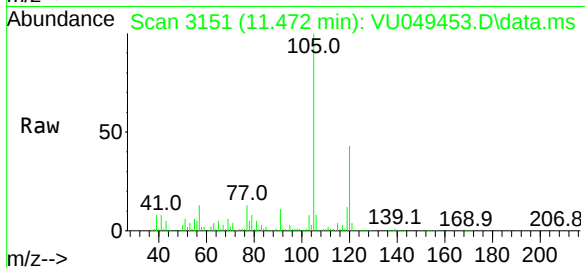
WC-15-1-2

Tgt Ion:105 Resp: 357328

Ion Ratio Lower Upper

105 100

120 43.3 23.4 70.3



#85

sec-Butylbenzene

Concen: 2.572 ug/l

RT: 11.648 min Scan# 3206

Delta R.T. 0.003 min

Lab File: VU049453.D

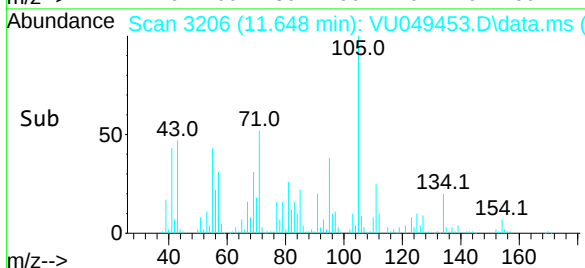
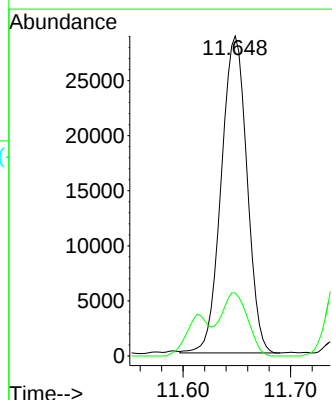
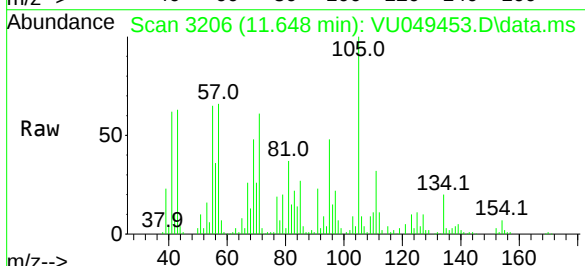
Acq: 28 Jun 2022 13:13

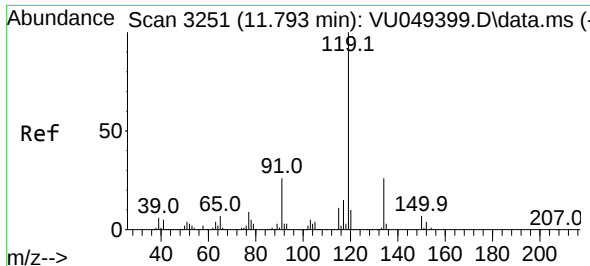
Tgt Ion:105 Resp: 47733

Ion Ratio Lower Upper

105 100

134 20.1 10.4 31.1

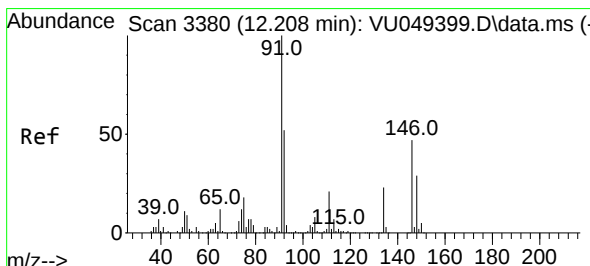
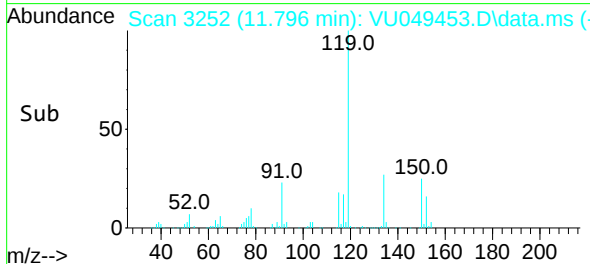
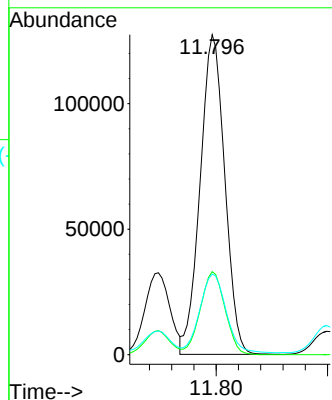
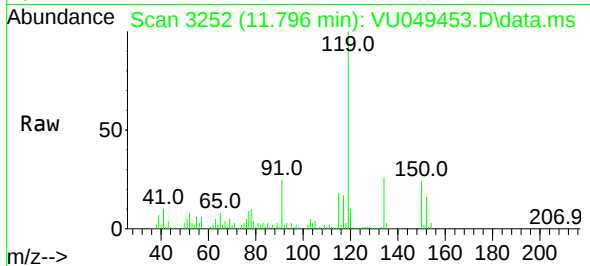




#86
p-Isopropyltoluene
Concen: 12.998 ug/l
RT: 11.796 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU049453.D
Acq: 28 Jun 2022 13:13

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

Tgt Ion:119 Resp: 195046
Ion Ratio Lower Upper
119 100
134 26.3 13.5 40.4
91 26.1 11.2 33.5



#89
n-Butylbenzene
Concen: 5.326 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU049453.D
Acq: 28 Jun 2022 13:13

Tgt Ion: 91 Resp: 73979
Ion Ratio Lower Upper
91 100
92 36.5 26.2 78.6
134 84.8 13.5 40.4#

