

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062722\
 Data File : VU049410.D
 Acq On : 27 Jun 2022 17:54
 Operator : SY/MD
 Sample : N3431-05
 Misc : 4.42g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WC-14B-2-2-GR

Quant Time: Jun 27 19:07:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 27 14:37:12 2022
 Response via : Initial Calibration

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

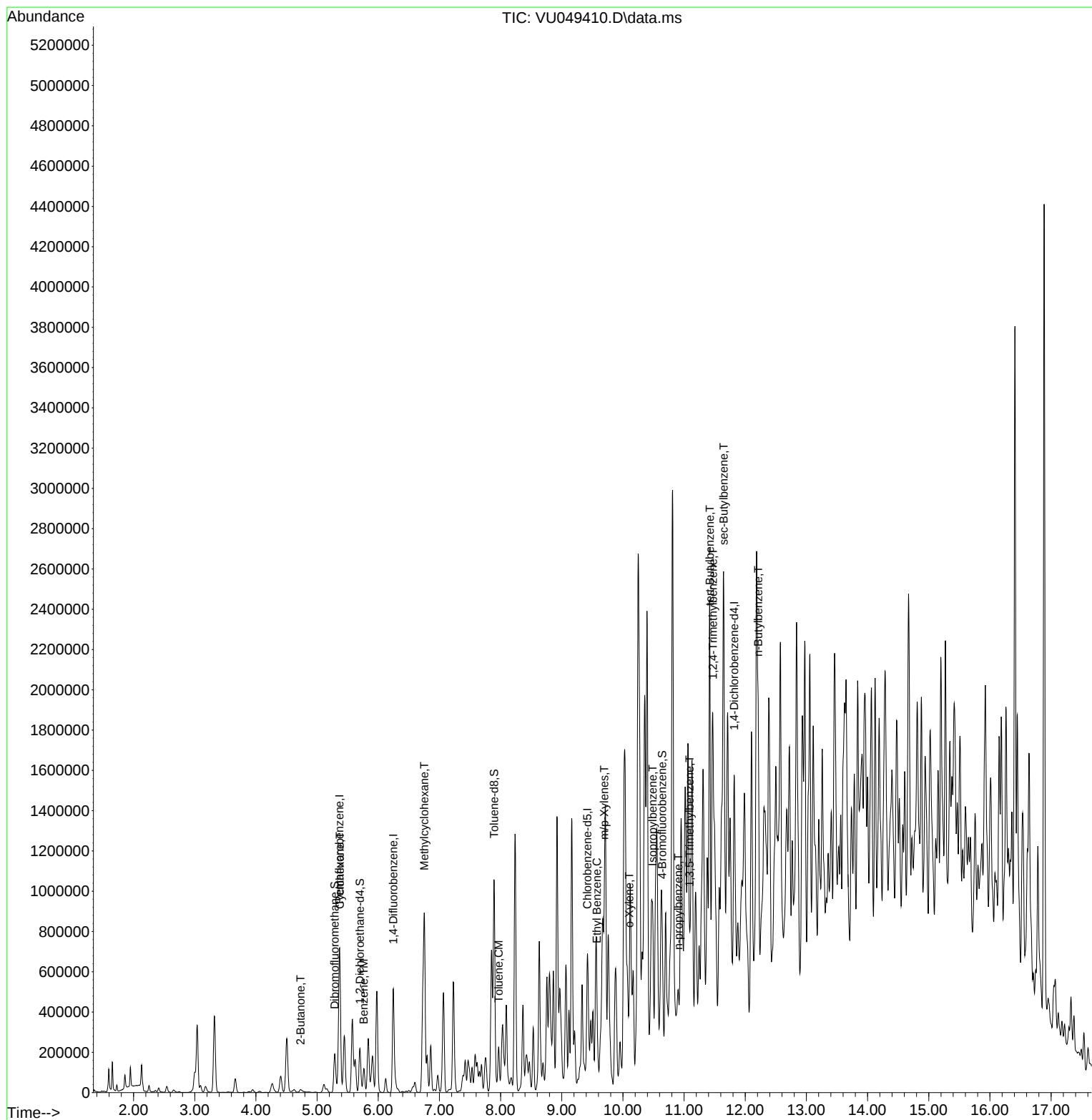
Internal Standards						
1) Pentafluorobenzene	5.366	168	259590	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	449925	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	406304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	193483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	176596	44.173	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.340%
35) Dibromofluoromethane	5.289	113	138194	43.902	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.800%
50) Toluene-d8	7.896	98	559011	49.790	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.580%
62) 4-Bromofluorobenzene	10.642	95	236312	54.946	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.900%
Target Compounds						
						Qvalue
25) 2-Butanone	4.732	43	31652	10.476	ug/l	100
31) Cyclohexane	5.372	56	196867	32.795	ug/l	91
39) Methylcyclohexane	6.755	83	414889	75.836	ug/l	90
40) Benzene	5.764	78	114321	8.296	ug/l	100
52) Toluene	7.970	92	94386	11.524	ug/l	97
67) Ethyl Benzene	9.575	91	54355	3.564	ug/l	96
68) m/p-Xylenes	9.697	106	97122	17.213	ug/l	84
69) o-Xylene	10.105	106	34446	6.150	ug/l	88
73) Isopropylbenzene	10.488	105	343786	24.943	ug/l	96
78) n-propylbenzene	10.909	91	68874	4.112	ug/l	92
80) 1,3,5-Trimethylbenzene	11.092	105	50658	4.210	ug/l	97
83) tert-Butylbenzene	11.423	119	55514	4.691	ug/l	76
84) 1,2,4-Trimethylbenzene	11.472	105	309592	26.190	ug/l	94
85) sec-Butylbenzene	11.648	105	545326	36.648	ug/l	96
89) n-Butylbenzene	12.211	91	304484	27.334	ug/l	89

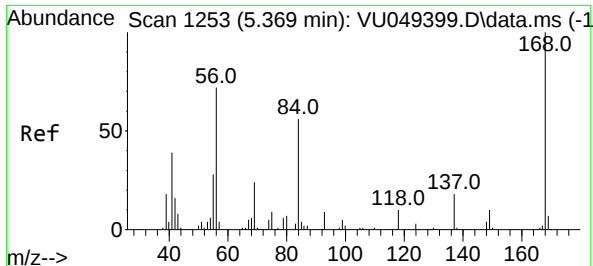
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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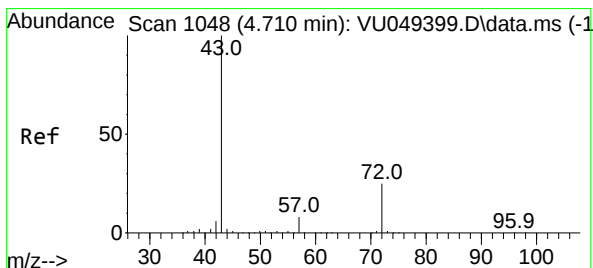
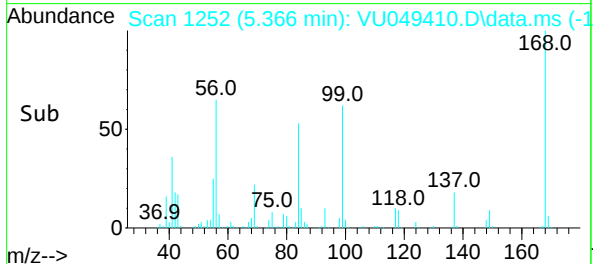
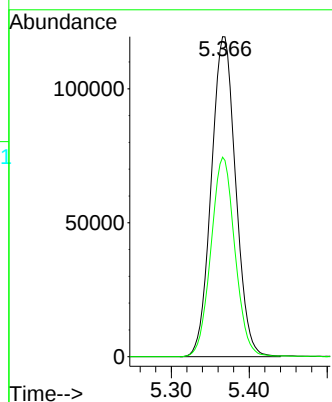
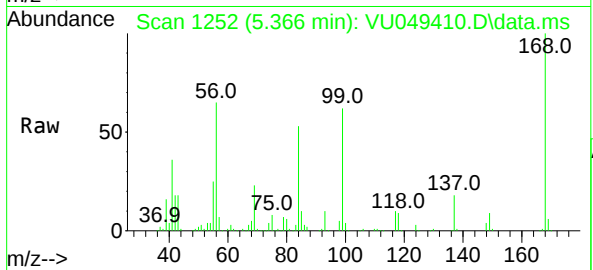




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.009 min
Lab File: VU049410.D
Acq: 27 Jun 2022 17:54

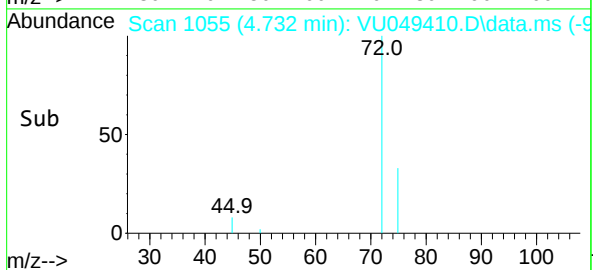
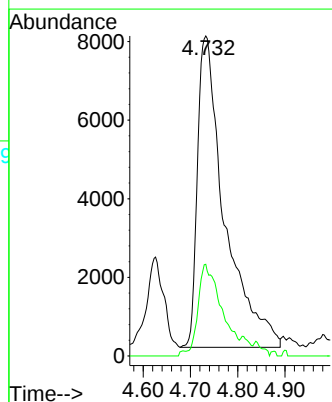
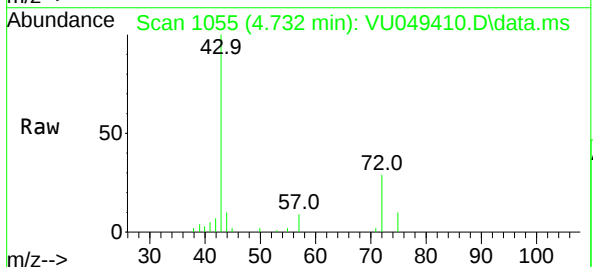
Instrument :
MSVOA_U
ClientSampleId :
WC-14B-2-2-GR

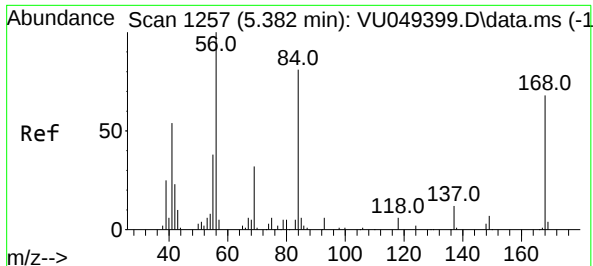
Tgt Ion:168 Resp: 259590
Ion Ratio Lower Upper
168 100
99 62.4 39.3 58.9#



#25
2-Butanone
Concen: 10.476 ug/l
RT: 4.732 min Scan# 1055
Delta R.T. 0.016 min
Lab File: VU049410.D
Acq: 27 Jun 2022 17:54

Tgt Ion: 43 Resp: 31652
Ion Ratio Lower Upper
43 100
72 29.4 23.8 35.6





#31

Cyclohexane

Concen: 32.795 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU049410.D

Acq: 27 Jun 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

WC-14B-2-2-GR

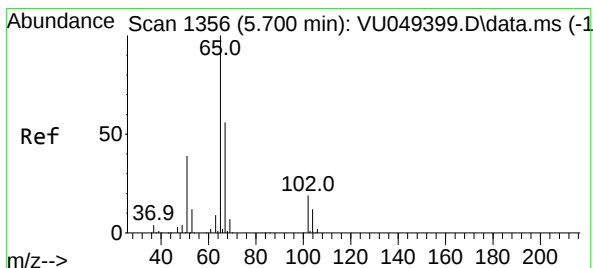
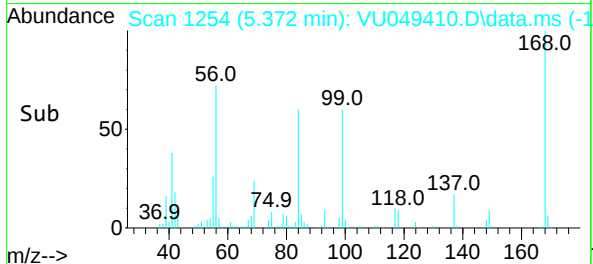
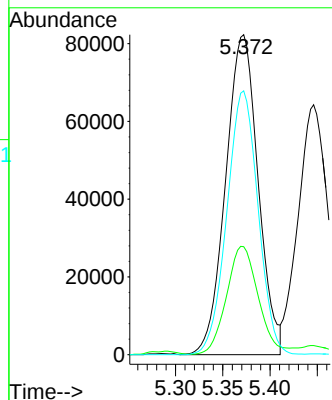
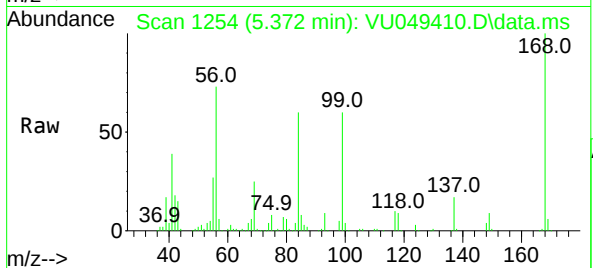
Tgt Ion: 56 Resp: 196867

Ion Ratio Lower Upper

56 100

69 33.3 27.8 41.8

84 82.4 74.2 111.4



#33

1,2-Dichloroethane-d4

Concen: 44.173 ug/l

RT: 5.700 min Scan# 1356

Delta R.T. -0.006 min

Lab File: VU049410.D

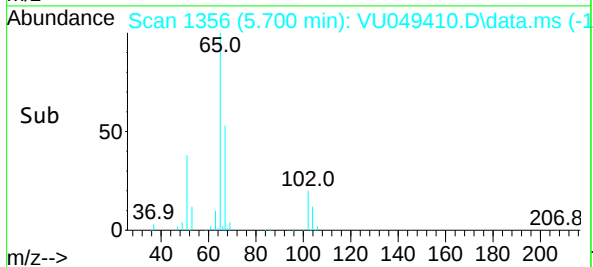
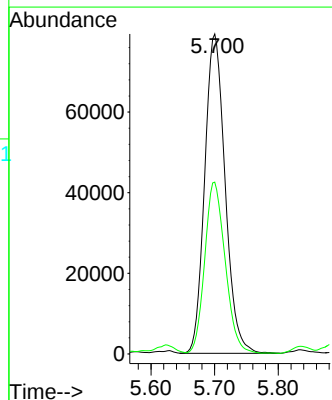
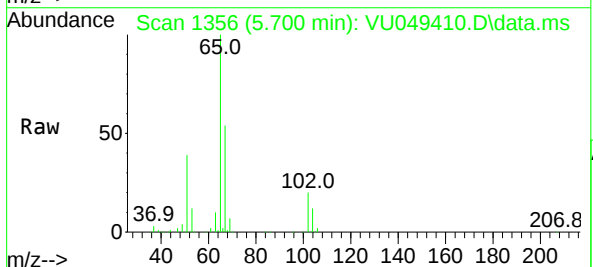
Acq: 27 Jun 2022 17:54

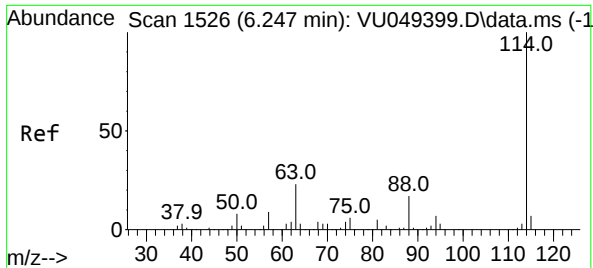
Tgt Ion: 65 Resp: 176596

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. -0.006 min

Lab File: VU049410.D

Acq: 27 Jun 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

WC-14B-2-2-GR

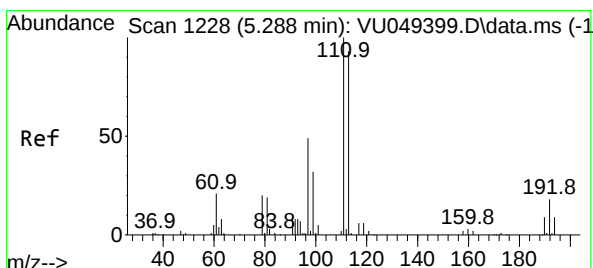
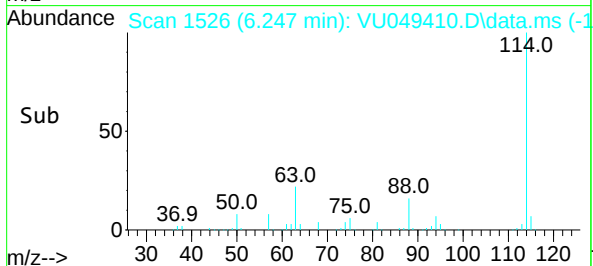
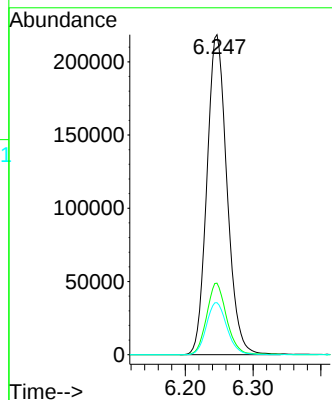
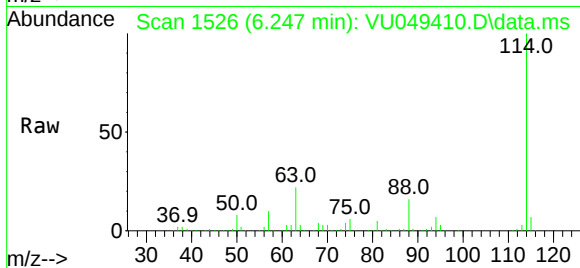
Tgt Ion:114 Resp: 449925

Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.8

88 16.3 0.0 29.2



#35

Dibromofluoromethane

Concen: 43.902 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU049410.D

Acq: 27 Jun 2022 17:54

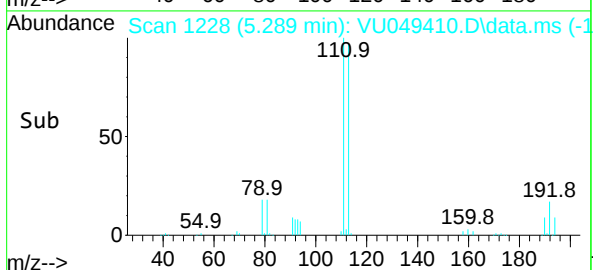
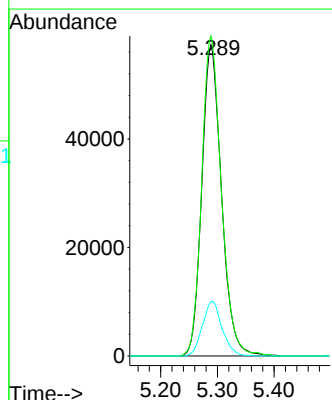
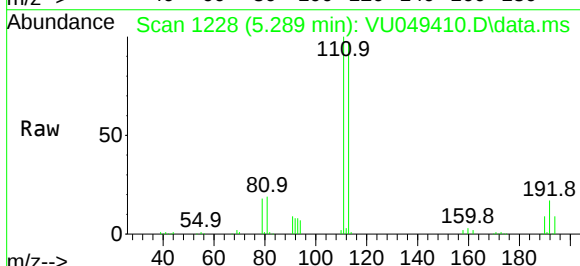
Tgt Ion:113 Resp: 138194

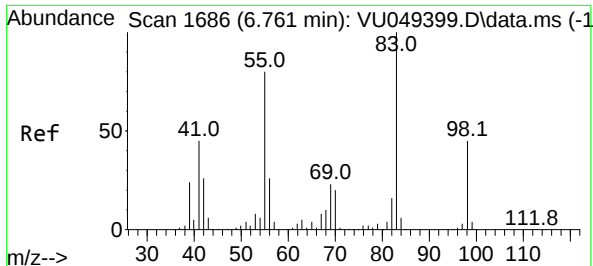
Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

192 17.6 18.0 27.0#





#39

Methylcyclohexane

Concen: 75.836 ug/l

RT: 6.755 min Scan# 1

Delta R.T. -0.013 min

Lab File: VU049410.D

Acq: 27 Jun 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

WC-14B-2-2-GR

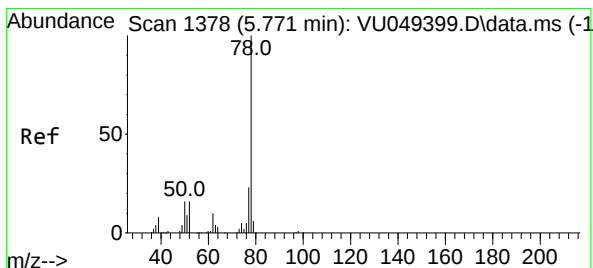
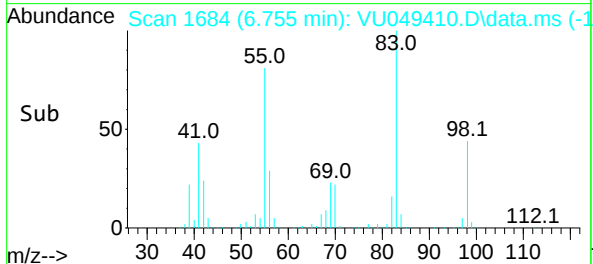
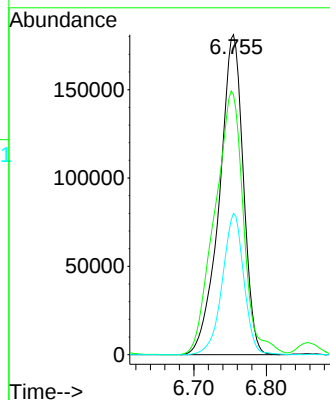
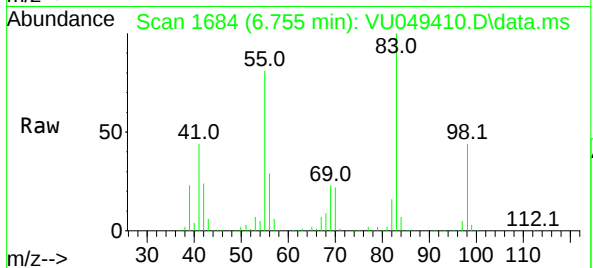
Tgt Ion: 83 Resp: 414889

Ion Ratio Lower Upper

83 100

55 81.1 55.3 82.9

98 44.2 37.3 55.9



#40

Benzene

Concen: 8.296 ug/l

RT: 5.764 min Scan# 1376

Delta R.T. -0.013 min

Lab File: VU049410.D

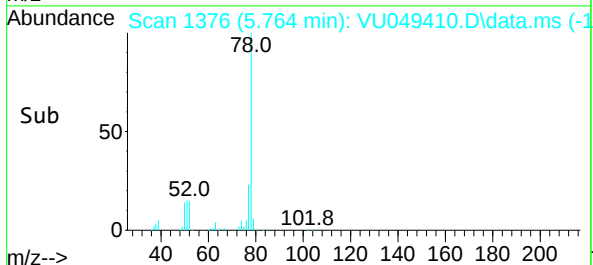
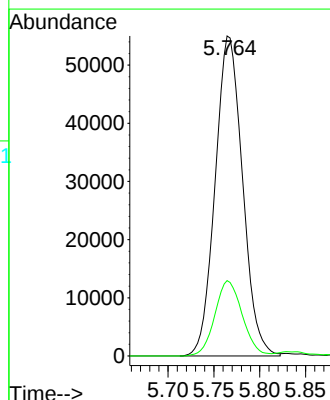
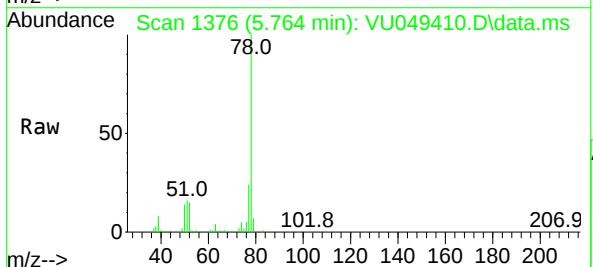
Acq: 27 Jun 2022 17:54

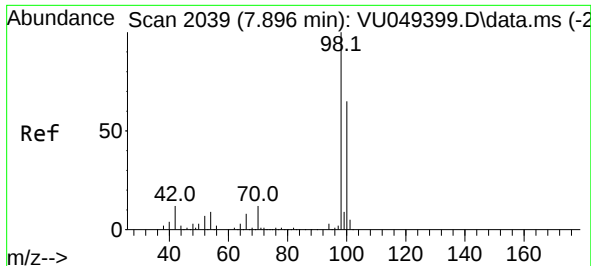
Tgt Ion: 78 Resp: 114321

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2

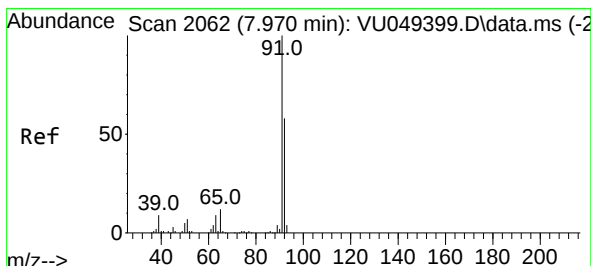
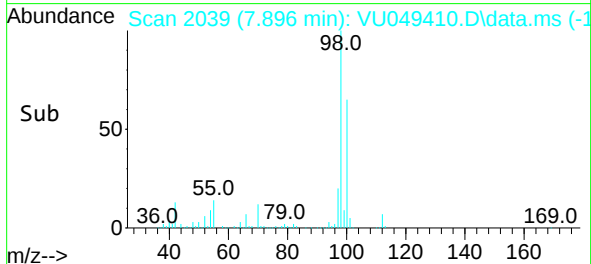
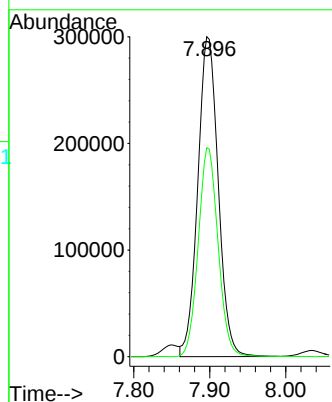
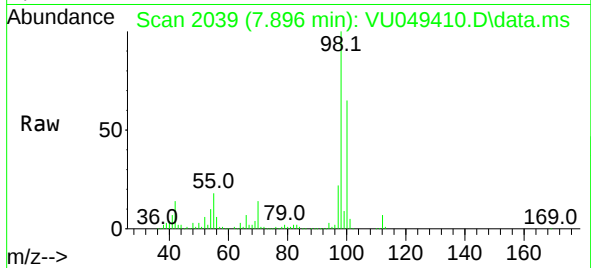




#50
Toluene-d8
Concen: 49.790 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.003 min
Lab File: VU049410.D
Acq: 27 Jun 2022 17:54

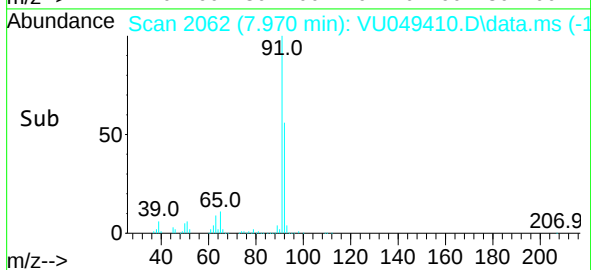
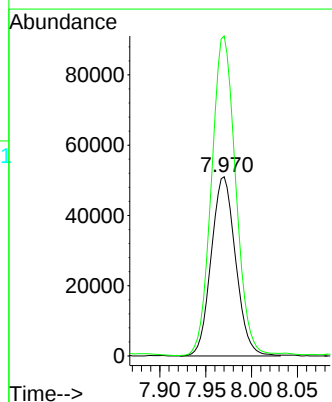
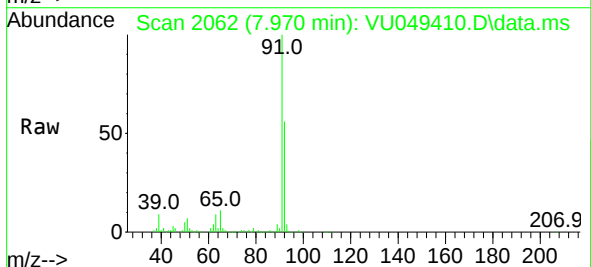
Instrument :
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WC-14B-2-2-GR

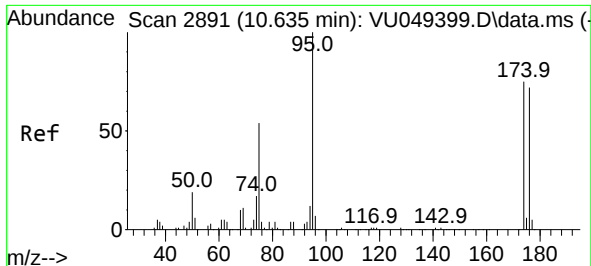
Tgt Ion: 98 Resp: 559011
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



#52
Toluene
Concen: 11.524 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU049410.D
Acq: 27 Jun 2022 17:54

Tgt Ion: 92 Resp: 94386
Ion Ratio Lower Upper
92 100
91 177.1 138.2 207.4

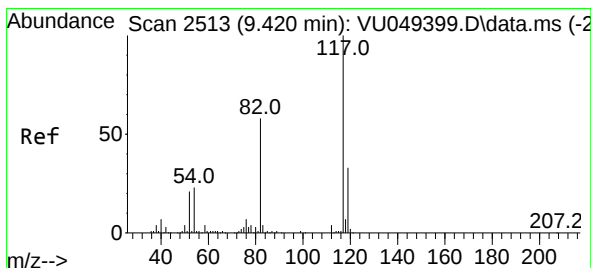
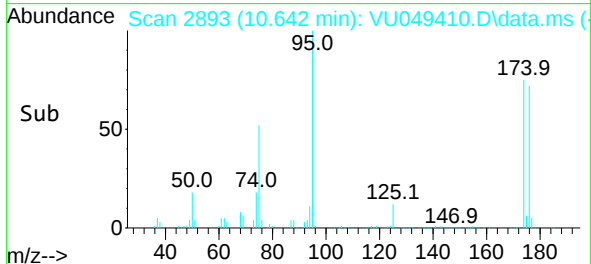
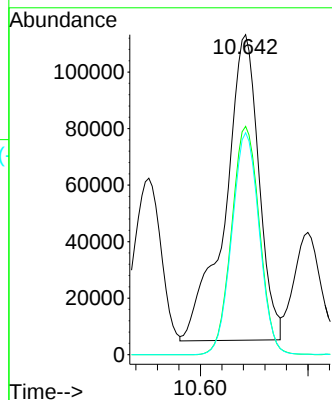
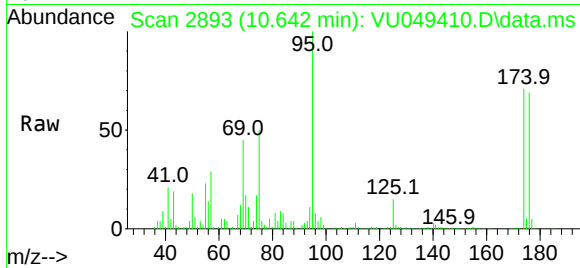




#62
4-Bromofluorobenzene
Concen: 54.946 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.010 min
Lab File: VU049410.D
Acq: 27 Jun 2022 17:54

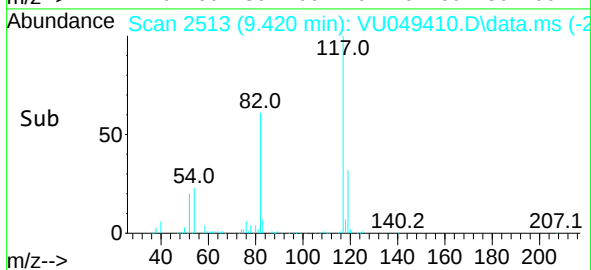
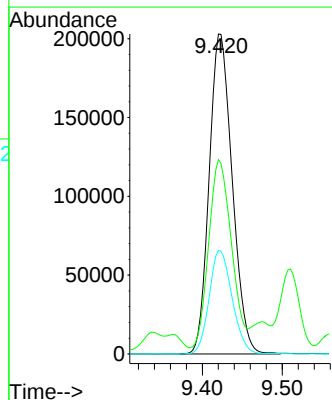
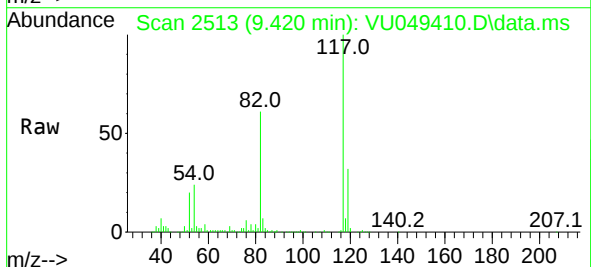
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WC-14B-2-2-GR

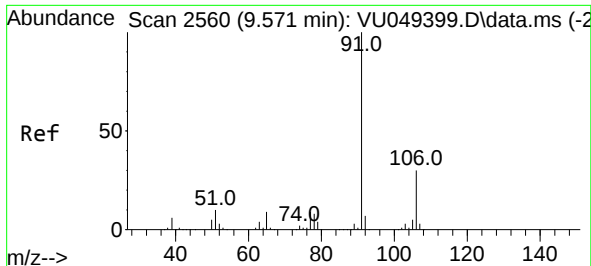
Tgt Ion: 95 Resp: 236312
Ion Ratio Lower Upper
95 100
174 61.6 0.0 182.0
176 59.0 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU049410.D
Acq: 27 Jun 2022 17:54

Tgt Ion: 117 Resp: 406304
Ion Ratio Lower Upper
117 100
82 56.1 41.7 62.5
119 32.4 25.7 38.5





#67

Ethyl Benzene

Concen: 3.564 ug/l

RT: 9.575 min Scan# 2560

Delta R.T. 0.003 min

Lab File: VU049410.D

Acq: 27 Jun 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

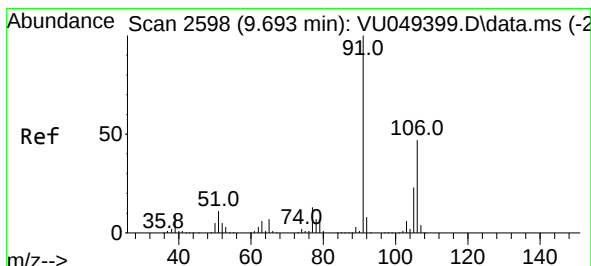
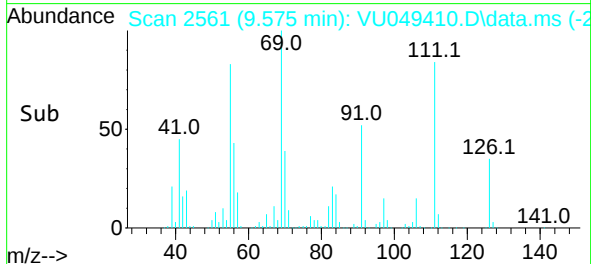
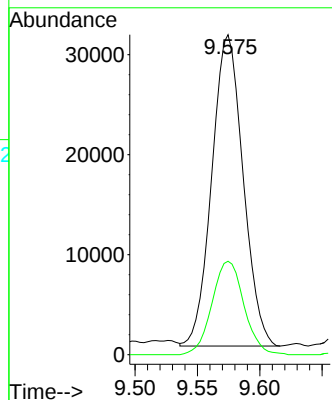
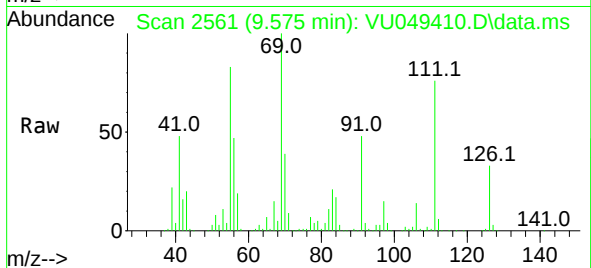
WC-14B-2-2-GR

Tgt Ion: 91 Resp: 54355

Ion Ratio Lower Upper

91 100

106 30.0 25.6 38.4



#68

m/p-Xylenes

Concen: 17.213 ug/l

RT: 9.697 min Scan# 2599

Delta R.T. -0.000 min

Lab File: VU049410.D

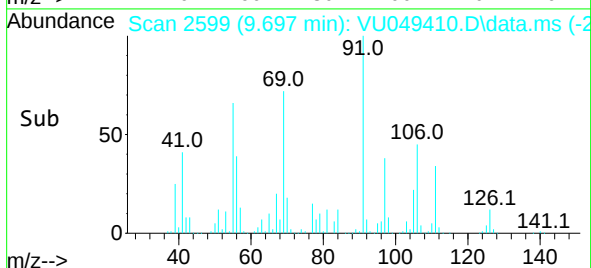
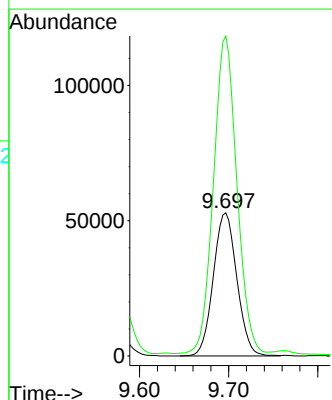
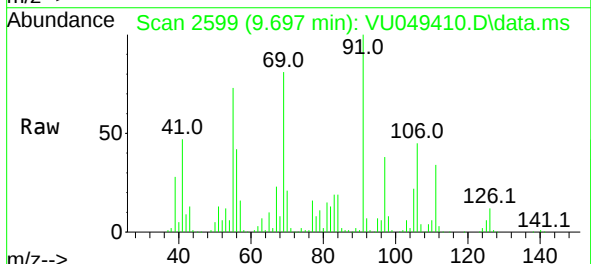
Acq: 27 Jun 2022 17:54

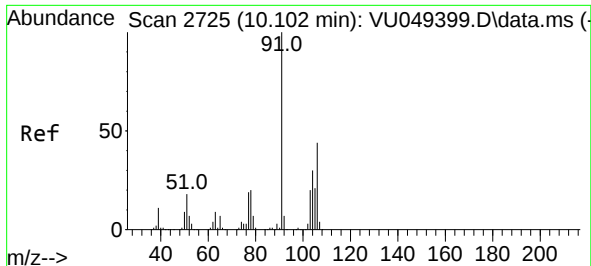
Tgt Ion: 106 Resp: 97122

Ion Ratio Lower Upper

106 100

91 220.2 157.2 235.8

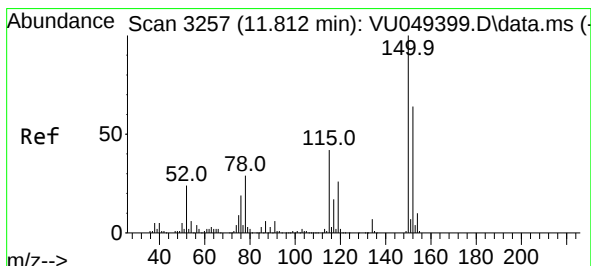
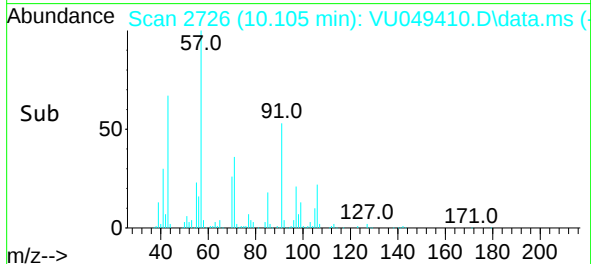
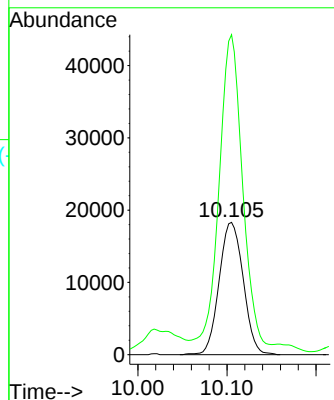
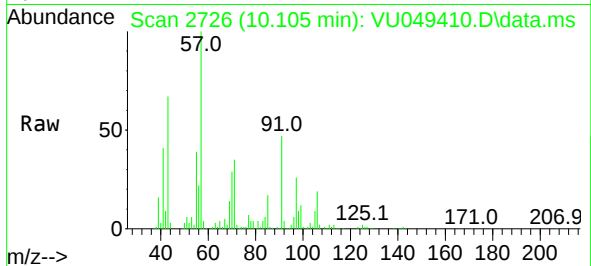




#69
o-Xylene
Concen: 6.150 ug/l
RT: 10.105 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049410.D
Acq: 27 Jun 2022 17:54

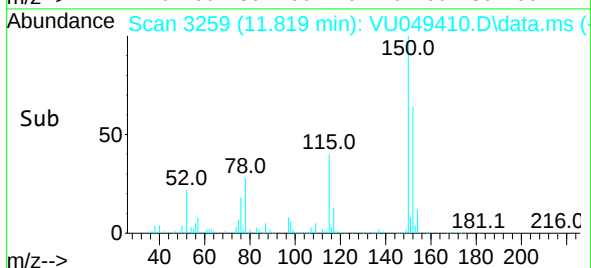
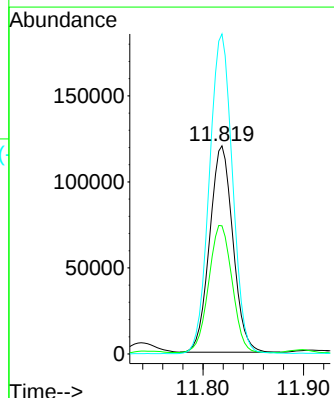
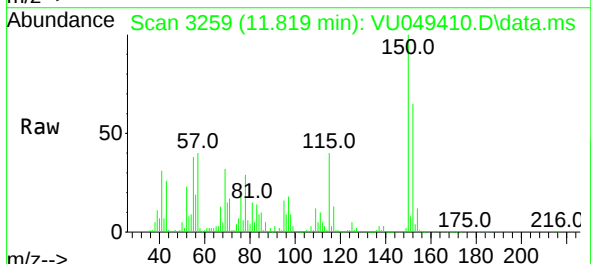
Instrument :
MSVOA_U
ClientSampleId :
WC-14B-2-2-GR

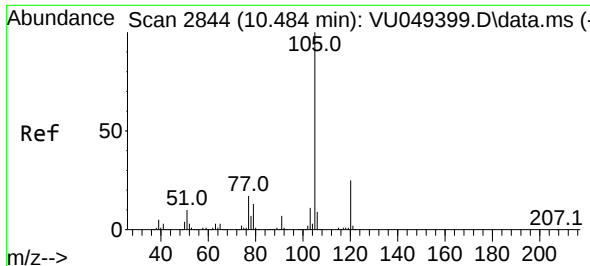
Tgt Ion:106 Resp: 34446
Ion Ratio Lower Upper
106 100
91 225.4 103.5 310.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.006 min
Lab File: VU049410.D
Acq: 27 Jun 2022 17:54

Tgt Ion:152 Resp: 193483
Ion Ratio Lower Upper
152 100
115 62.7 37.0 110.9
150 153.8 0.0 342.2

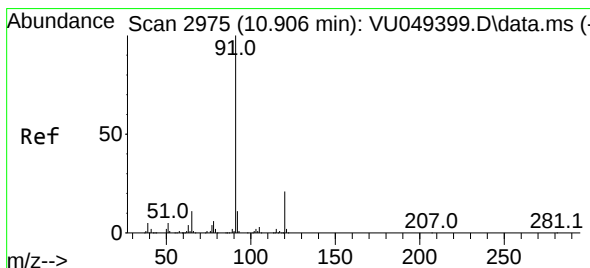
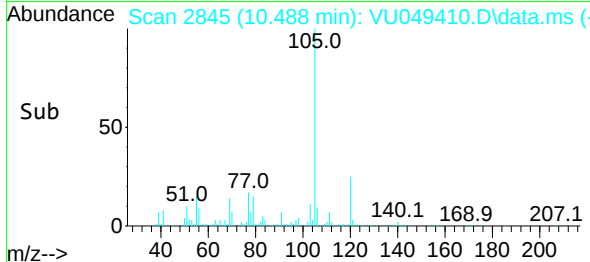
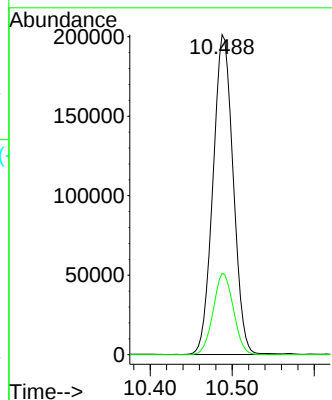
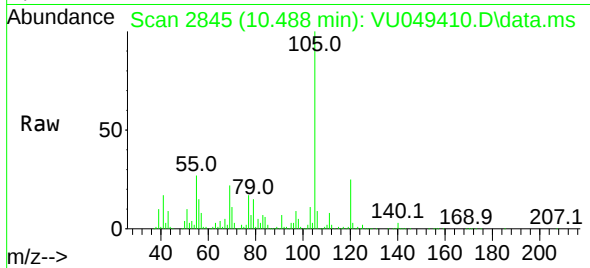




#73
Isopropylbenzene
Concen: 24.943 ug/l
RT: 10.488 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU049410.D
Acq: 27 Jun 2022 17:54

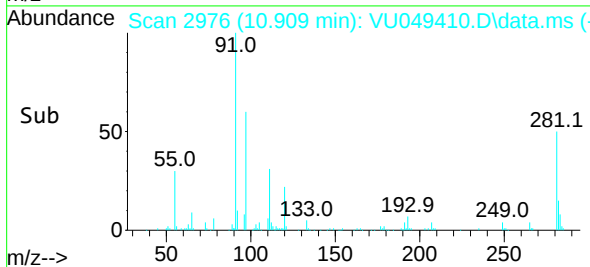
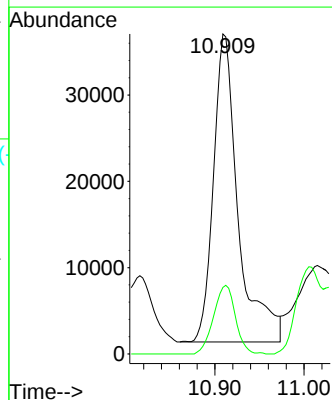
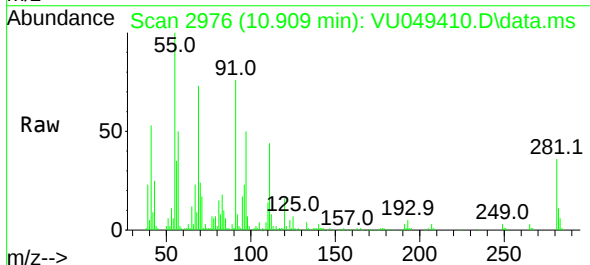
Instrument :
MSVOA_U
ClientSampleId :
WC-14B-2-2-GR

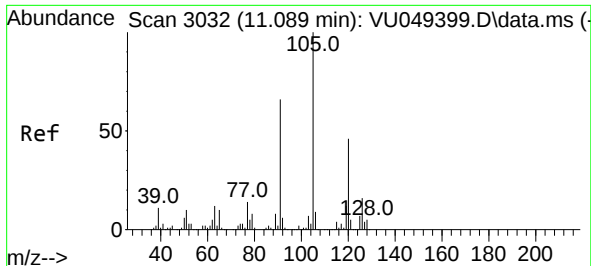
Tgt Ion:105 Resp: 343786
Ion Ratio Lower Upper
105 100
120 25.5 13.8 41.4



#78
n-propylbenzene
Concen: 4.112 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.003 min
Lab File: VU049410.D
Acq: 27 Jun 2022 17:54

Tgt Ion: 91 Resp: 68874
Ion Ratio Lower Upper
91 100
120 19.7 11.9 35.5

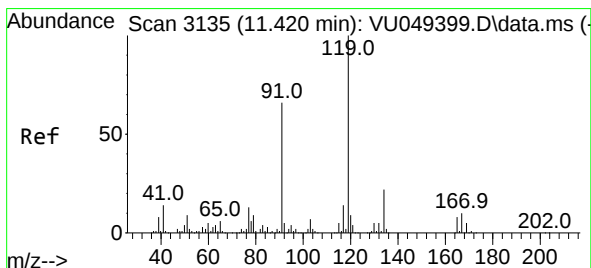
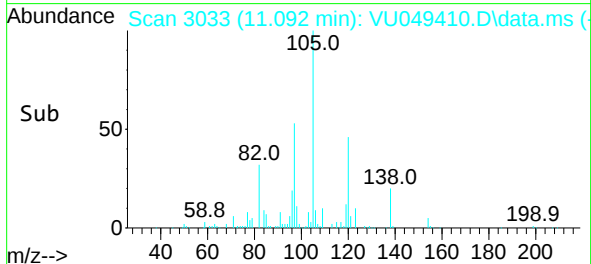
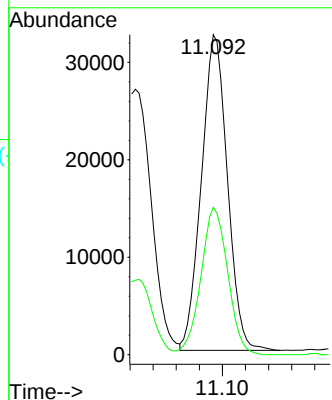
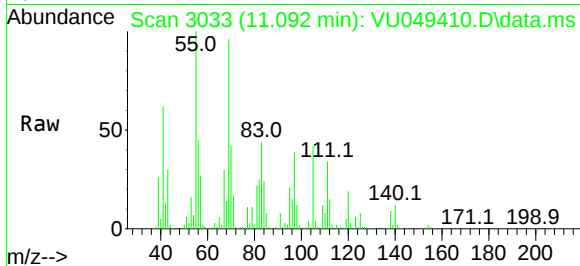




#80
1,3,5-Trimethylbenzene
Concen: 4.210 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU049410.D
Acq: 27 Jun 2022 17:54

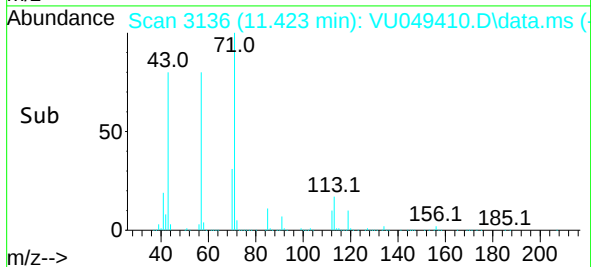
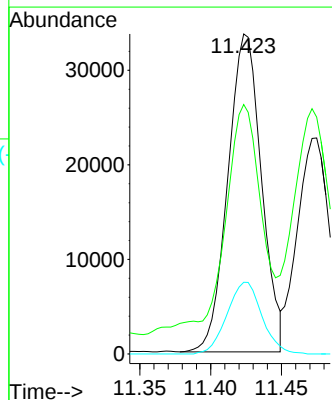
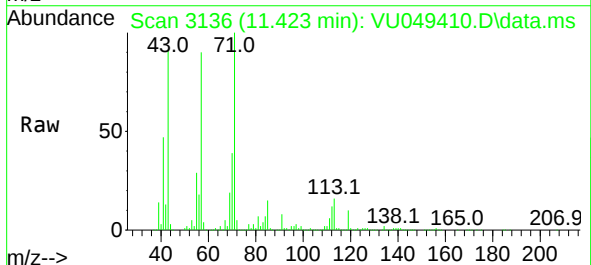
Instrument :
MSVOA_U
ClientSampleId :
WC-14B-2-2-GR

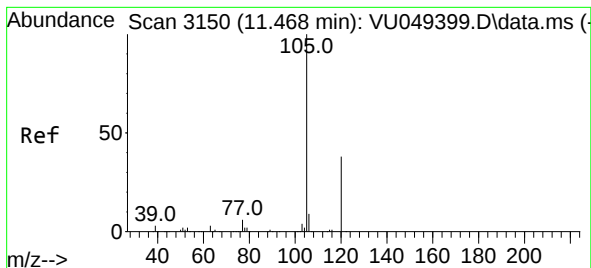
Tgt Ion:105 Resp: 50658
Ion Ratio Lower Upper
105 100
120 48.3 25.3 75.9



#83
tert-Butylbenzene
Concen: 4.691 ug/l
RT: 11.423 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VU049410.D
Acq: 27 Jun 2022 17:54

Tgt Ion:119 Resp: 55514
Ion Ratio Lower Upper
119 100
91 77.8 26.8 80.3
134 23.5 11.5 34.5





#84

1,2,4-Trimethylbenzene

Concen: 26.190 ug/l

RT: 11.472 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VU049410.D

Acq: 27 Jun 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

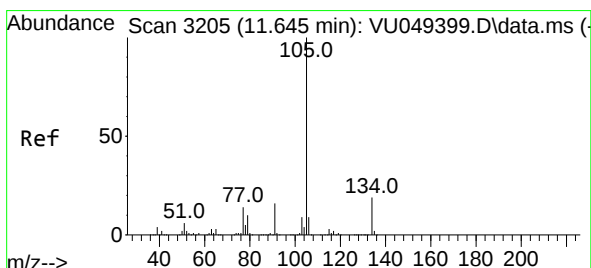
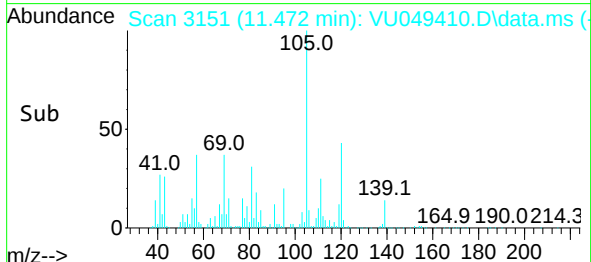
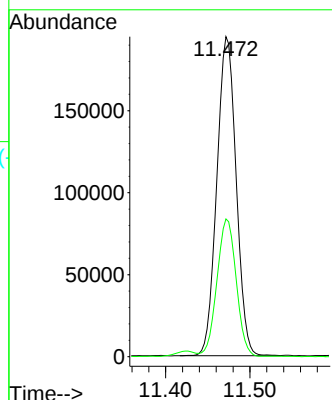
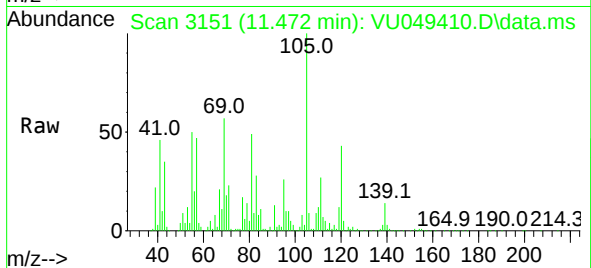
WC-14B-2-2-GR

Tgt Ion:105 Resp: 309592

Ion Ratio Lower Upper

105 100

120 42.7 23.4 70.3



#85

sec-Butylbenzene

Concen: 36.648 ug/l

RT: 11.648 min Scan# 3206

Delta R.T. 0.003 min

Lab File: VU049410.D

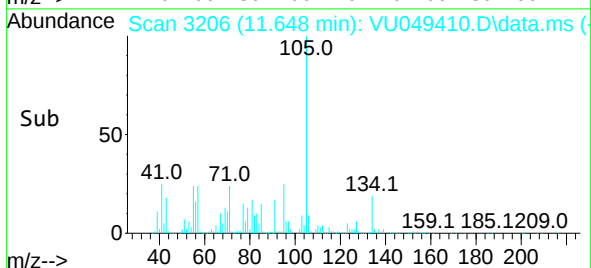
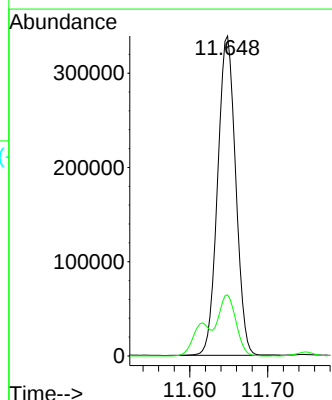
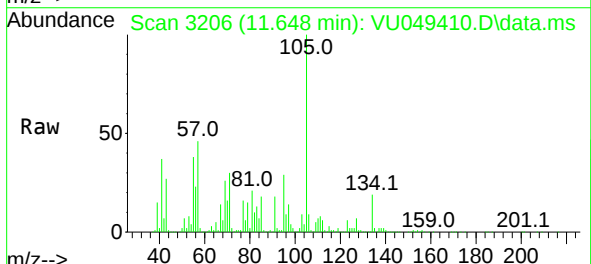
Acq: 27 Jun 2022 17:54

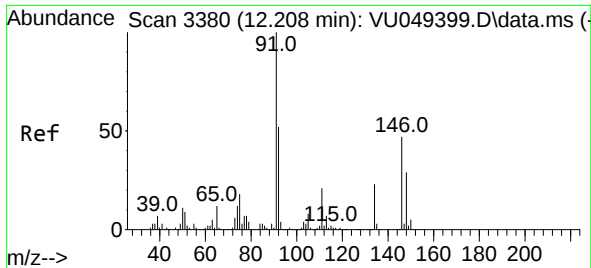
Tgt Ion:105 Resp: 545326

Ion Ratio Lower Upper

105 100

134 18.7 10.4 31.1





#89

n-Butylbenzene

Concen: 27.334 ug/l

RT: 12.211 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU049410.D

Acq: 27 Jun 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

WC-14B-2-2-GR

Tgt Ion: 91 Resp: 304484

Ion Ratio Lower Upper

91 100

92 45.0 26.2 78.6

134 20.5 13.5 40.4

