

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044977.D
 Acq On : 29 Sep 2021 06:04
 Operator : SY/MD
 Sample : M3952-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 52 Sample Multiplier: 1

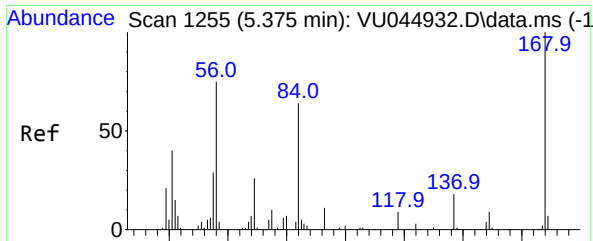
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-3

Quant Time: Sep 29 07:58:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.378	168	198540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	346861	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	346973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	180773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	154536	46.759	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.520%
35) Dibromofluoromethane	5.295	113	110889	50.678	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.360%
50) Toluene-d8	7.902	98	490277	56.708	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	113.420%#
62) 4-Bromofluorobenzene	10.635	95	177773	49.805	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.620%
Target Compounds						
					Qvalue	
16) Acetone	2.629	43	50881	25.937	ug/l	96
25) 2-Butanone	4.710	43	19681	7.061	ug/l	94
27) cis-1,2-Dichloroethene	4.674	96	1220	0.401	ug/l	95
31) Cyclohexane	5.395	56	738175	147.040	ug/l	96
39) Methylcyclohexane	6.767	83	1397339	313.796	ug/l	96
40) Benzene	5.780	78	9460748	875.710	ug/l	99
44) Trichloroethene	6.546	130	1104	0.433	ug/l	90
52) Toluene	7.973	92	263051	38.904	ug/l	99
64) Tetrachloroethene	8.558	164	4248	1.876	ug/l	95
67) Ethyl Benzene	9.574	91	715610	53.458	ug/l	100
68) m/p-Xylenes	9.697	106	1255524	241.419	ug/l	98
69) o-Xylene	10.105	106	31918	6.184	ug/l	99
73) Isopropylbenzene	10.488	105	201714	14.984	ug/l	100
78) n-propylbenzene	10.909	91	309117	18.843	ug/l	99
80) 1,3,5-Trimethylbenzene	11.092	105	483126	40.966	ug/l	99
83) tert-Butylbenzene	11.423	119	28573	2.491	ug/l	90
84) 1,2,4-Trimethylbenzene	11.471	105	1439960	123.418	ug/l	99
85) sec-Butylbenzene	11.645	105	96502	6.533	ug/l	100
86) p-Isopropyltoluene	11.796	119	89707	7.549	ug/l	98
89) n-Butylbenzene	12.208	91	129607	11.842	ug/l #	42
95) Naphthalene	14.089	128	370015	27.741	ug/l	98

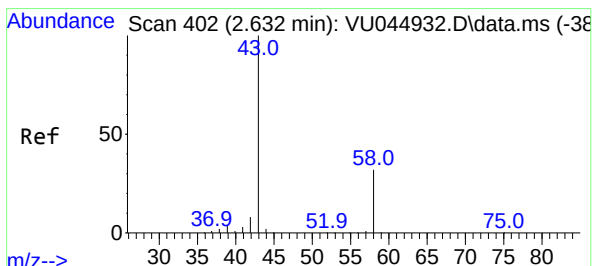
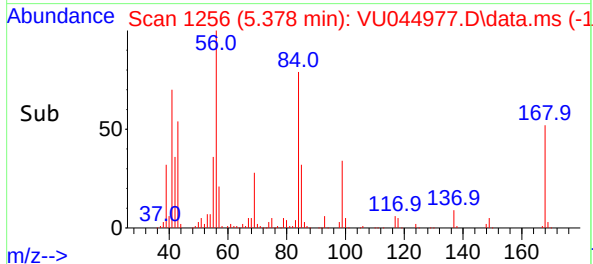
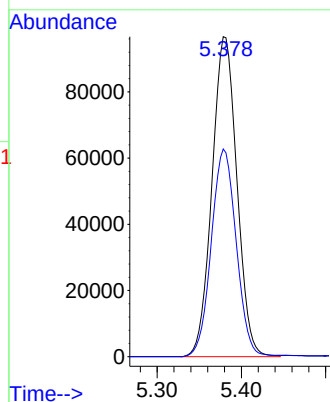
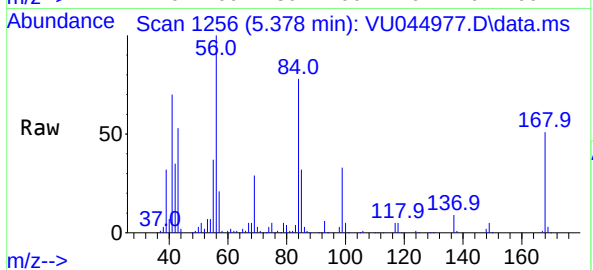
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

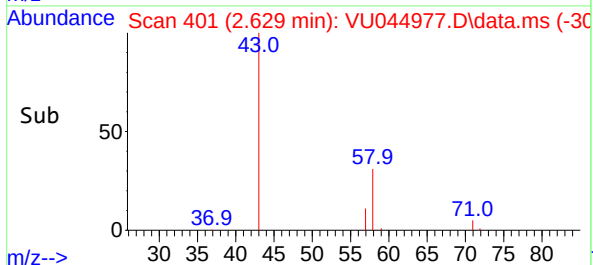
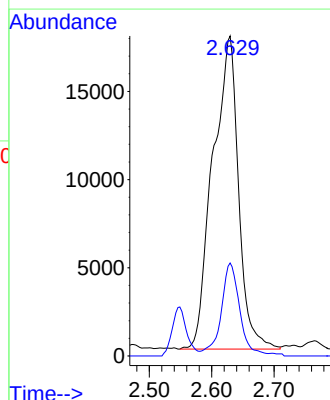
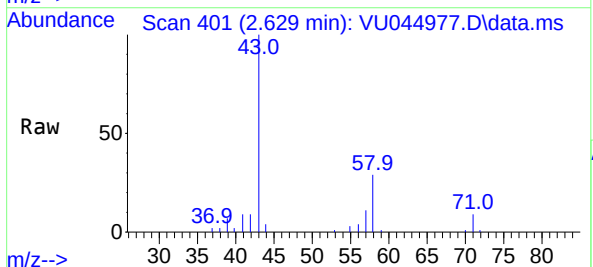
Instrument :
MSVOA_U
ClientSampleId :
MW-3

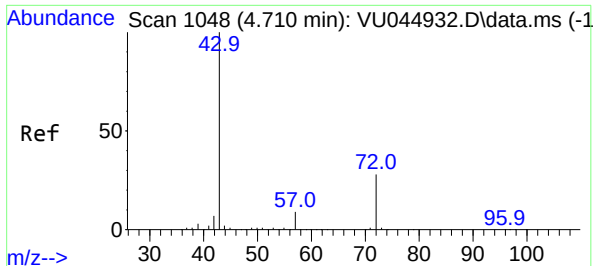
Tgt Ion:168 Resp: 198540
Ion Ratio Lower Upper
168 100
99 64.9 51.4 77.0



#16
Acetone
Concen: 25.937 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

Tgt Ion: 43 Resp: 50881
Ion Ratio Lower Upper
43 100
58 29.0 25.2 37.8





#25

2-Butanone

Concen: 7.061 ug/l

RT: 4.710 min Scan# 1048

Delta R.T. -0.000 min

Lab File: VU044977.D

Acq: 29 Sep 2021 06:04

Instrument :

MSVOA_U

ClientSampleId :

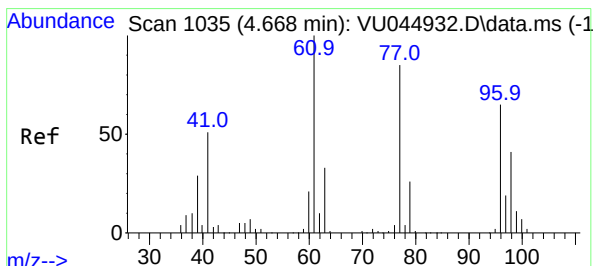
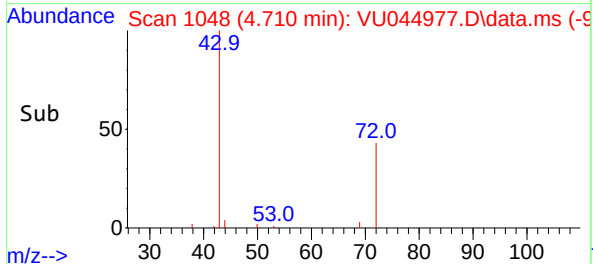
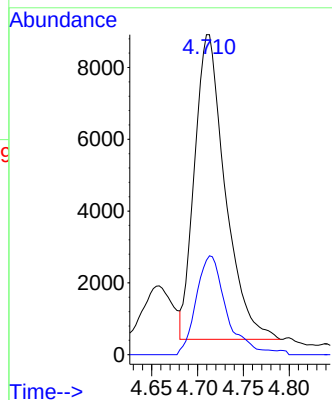
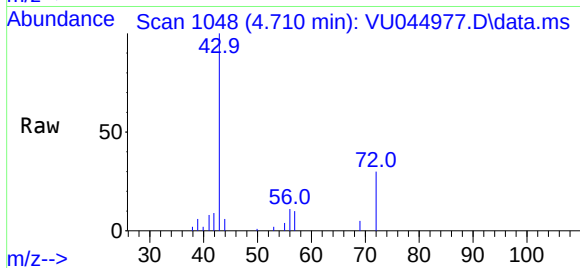
MW-3

Tgt Ion: 43 Resp: 19681

Ion Ratio Lower Upper

43 100

72 29.6 21.3 31.9



#27

cis-1,2-Dichloroethene

Concen: 0.401 ug/l

RT: 4.674 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VU044977.D

Acq: 29 Sep 2021 06:04

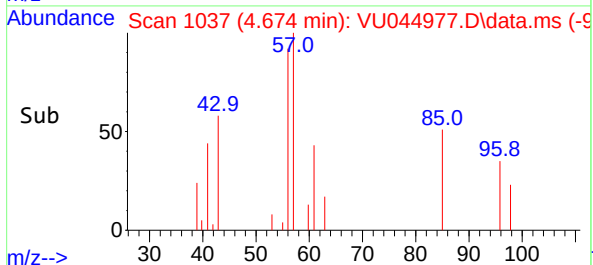
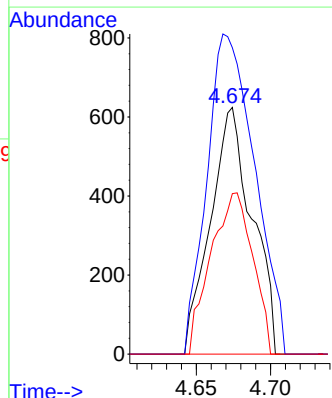
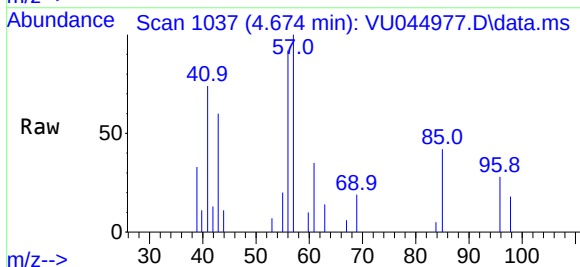
Tgt Ion: 96 Resp: 1220

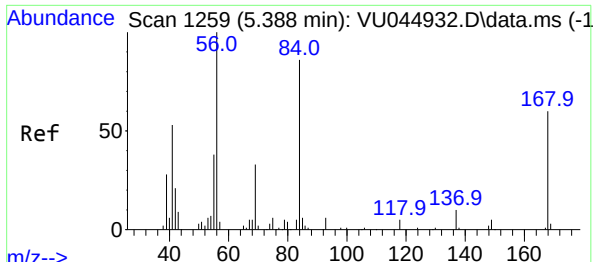
Ion Ratio Lower Upper

96 100

61 148.9 0.0 313.4

98 65.6 0.0 127.0

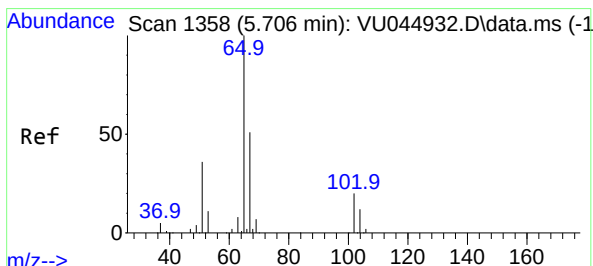
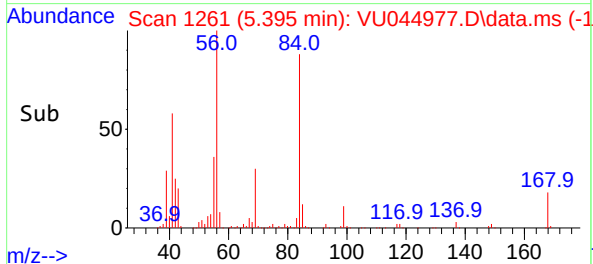
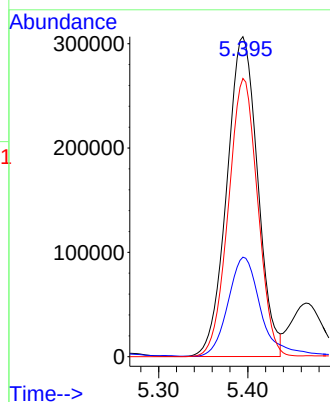
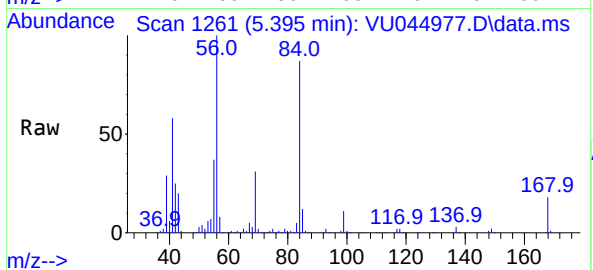




#31
Cyclohexane
Concen: 147.040 ug/l
RT: 5.395 min Scan# 1261
Delta R.T. 0.007 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

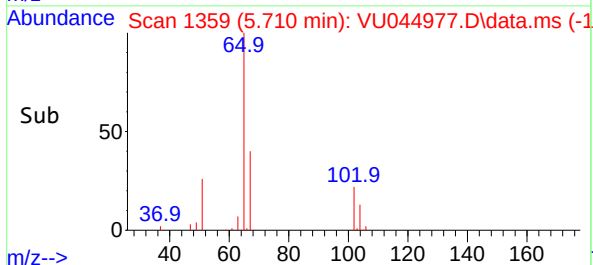
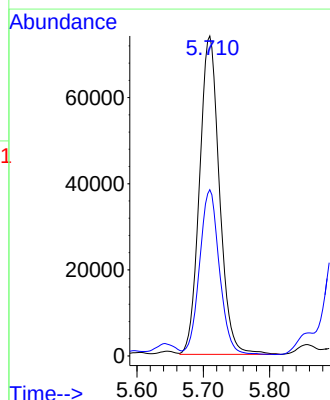
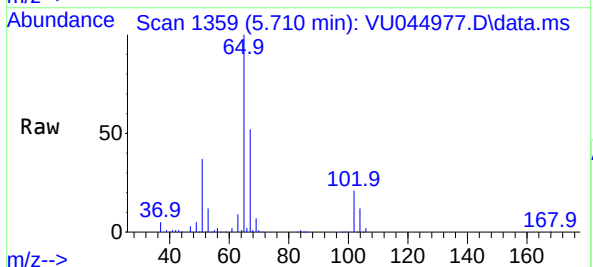
Instrument :
MSVOA_U
ClientSampleId :
MW-3

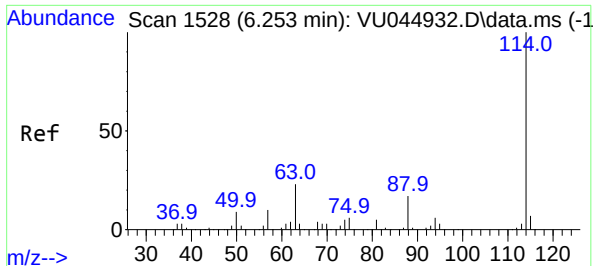
Tgt Ion: 56 Resp: 738175
Ion Ratio Lower Upper
56 100
69 30.9 25.2 37.8
84 87.0 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 46.759 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.004 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

Tgt Ion: 65 Resp: 154536
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU044977.D

Acq: 29 Sep 2021 06:04

Instrument :

MSVOA_U

ClientSampleId :

MW-3

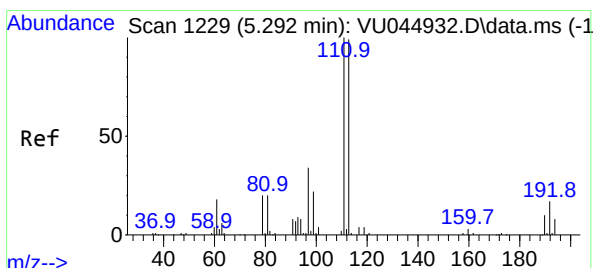
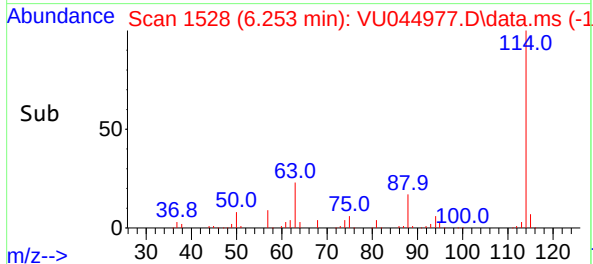
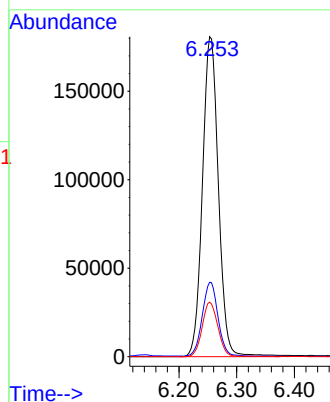
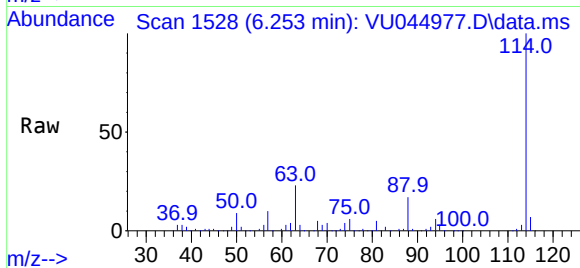
Tgt Ion:114 Resp: 346861

Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.8

88 17.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.678 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU044977.D

Acq: 29 Sep 2021 06:04

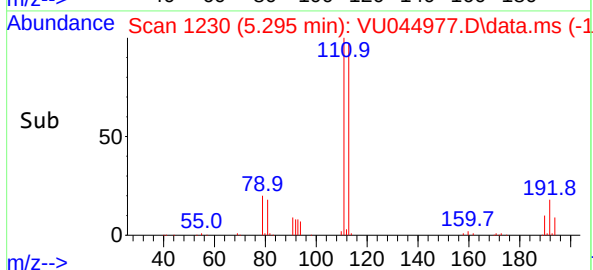
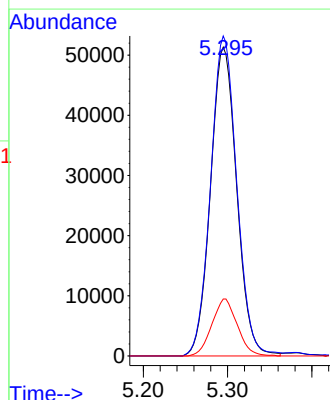
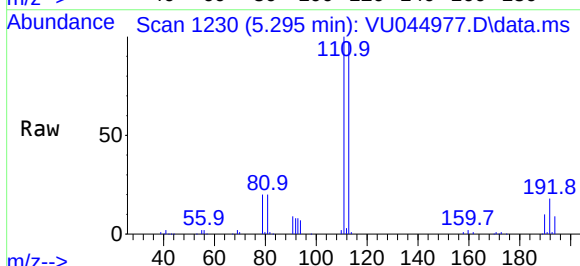
Tgt Ion:113 Resp: 110889

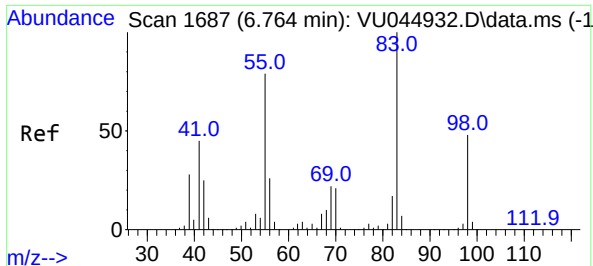
Ion Ratio Lower Upper

113 100

111 103.5 84.1 126.1

192 17.9 14.8 22.2





#39

Methylcyclohexane

Concen: 313.796 ug/l

RT: 6.767 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU044977.D

Acq: 29 Sep 2021 06:04

Instrument :

MSVOA_U

ClientSampleId :

MW-3

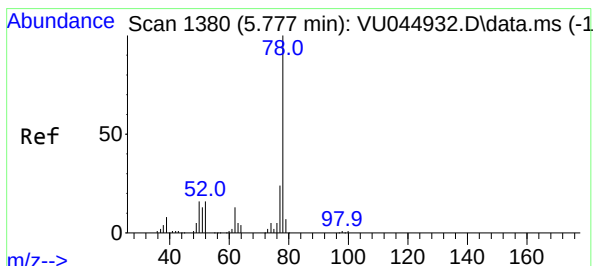
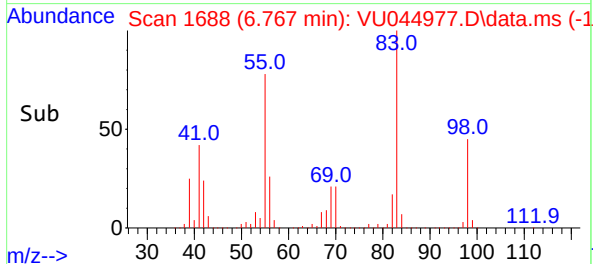
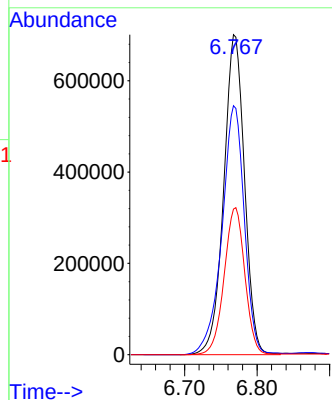
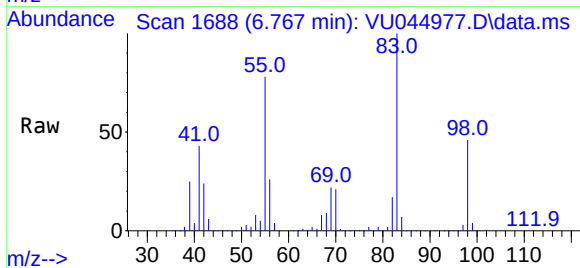
Tgt Ion: 83 Resp: 1397339

Ion Ratio Lower Upper

83 100

55 77.8 66.2 99.4

98 45.5 37.5 56.3



#40

Benzene

Concen: 875.710 ug/l

RT: 5.780 min Scan# 1381

Delta R.T. 0.003 min

Lab File: VU044977.D

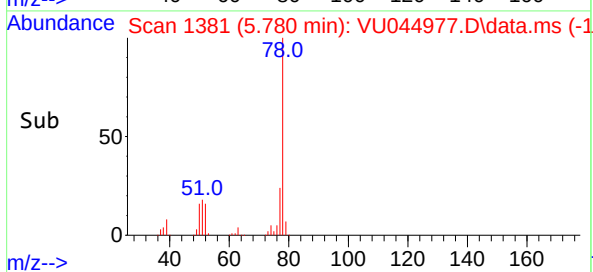
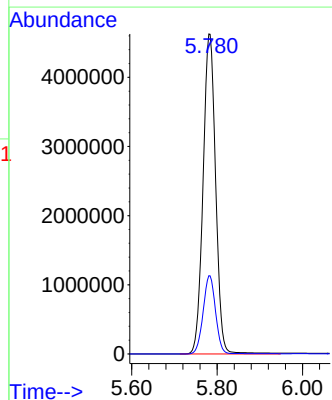
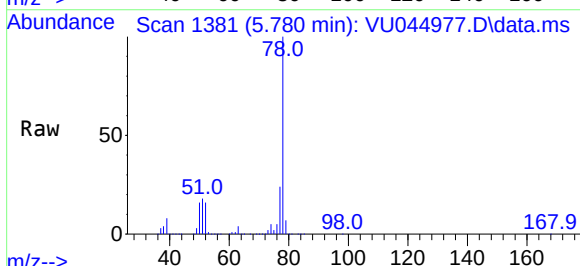
Acq: 29 Sep 2021 06:04

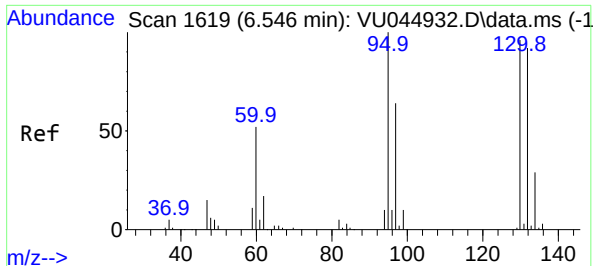
Tgt Ion: 78 Resp: 9460748

Ion Ratio Lower Upper

78 100

77 24.5 19.1 28.7

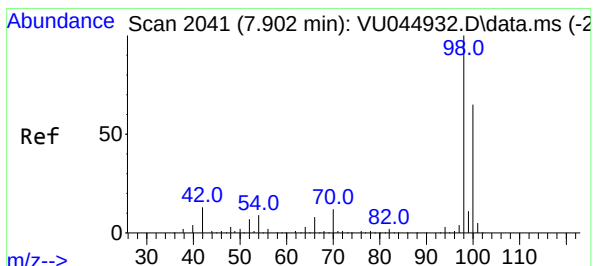
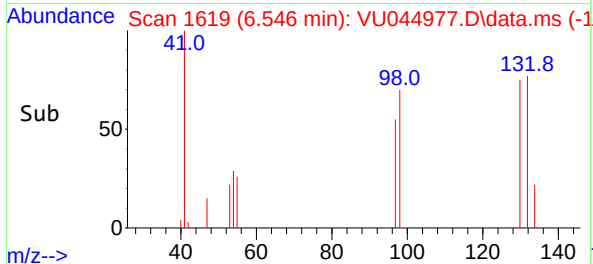
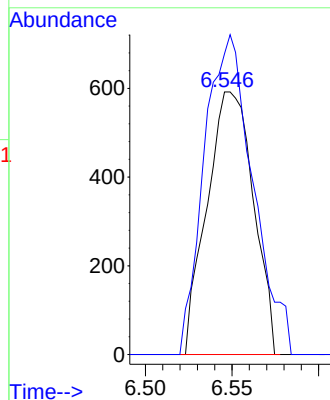
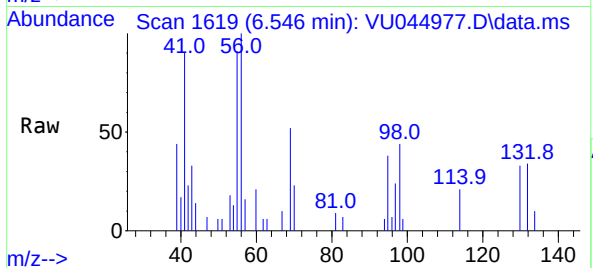




#44
Trichloroethene
Concen: 0.433 ug/l
RT: 6.546 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

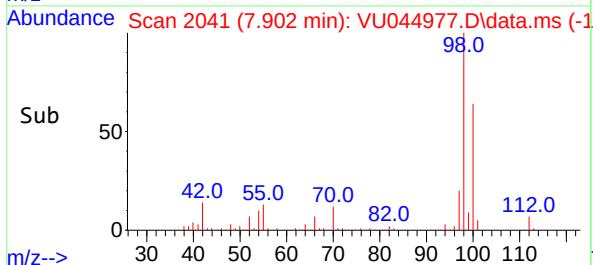
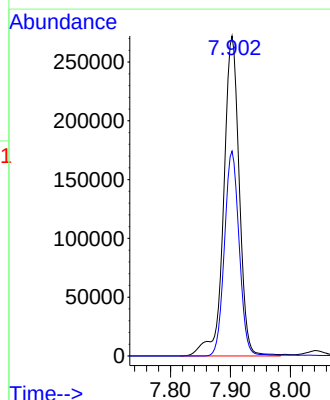
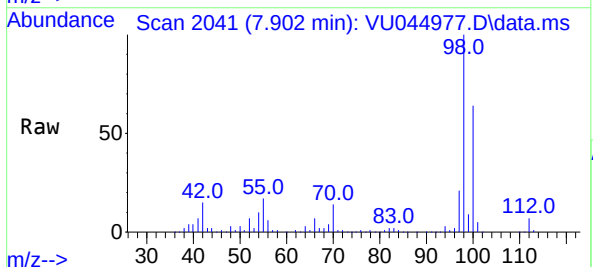
Instrument :
MSVOA_U
ClientSampleId :
MW-3

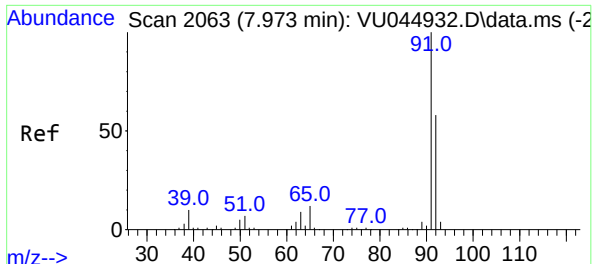
Tgt Ion:130 Resp: 1104
Ion Ratio Lower Upper
130 100
95 114.5 0.0 209.0



#50
Toluene-d8
Concen: 56.708 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

Tgt Ion: 98 Resp: 490277
Ion Ratio Lower Upper
98 100
100 60.3 52.5 78.7

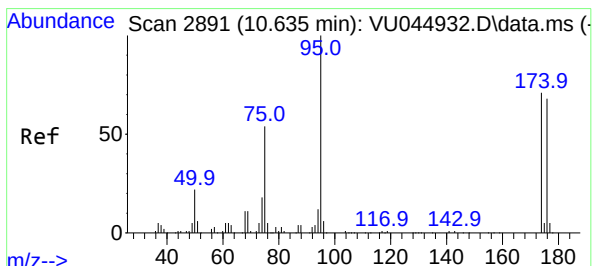
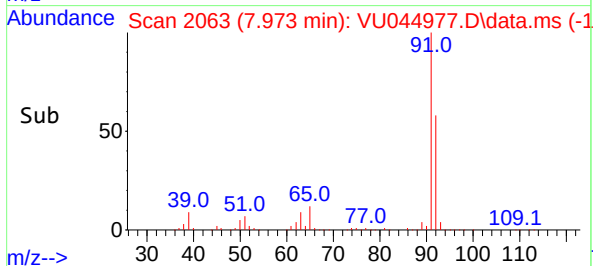
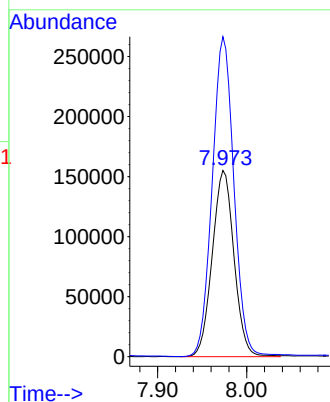
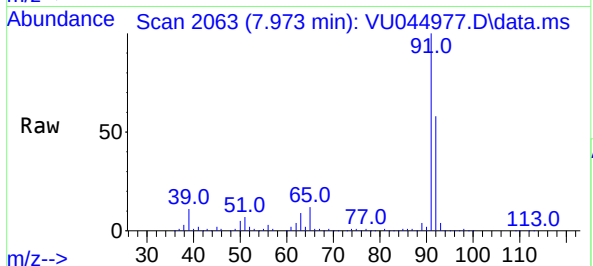




#52
Toluene
Concen: 38.904 ug/l
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

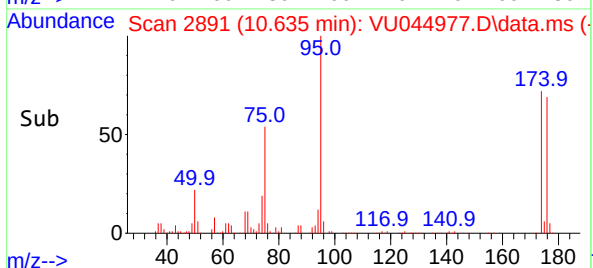
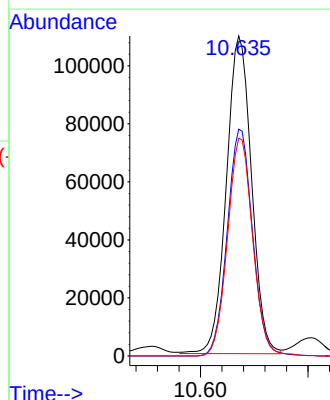
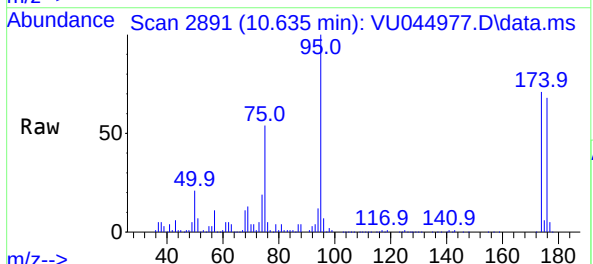
Instrument :
MSVOA_U
ClientSampleId :
MW-3

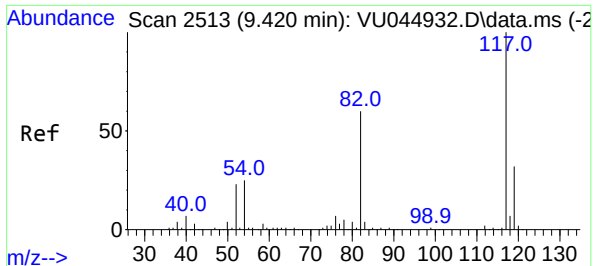
Tgt Ion: 92 Resp: 263051
Ion Ratio Lower Upper
92 100
91 171.9 136.9 205.3



#62
4-Bromofluorobenzene
Concen: 49.805 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

Tgt Ion: 95 Resp: 177773
Ion Ratio Lower Upper
95 100
174 71.9 0.0 146.6
176 68.7 0.0 141.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.420 min Scan# 2

Delta R.T. 0.000 min

Lab File: VU044977.D

Acq: 29 Sep 2021 06:04

Instrument :

MSVOA_U

ClientSampleId :

MW-3

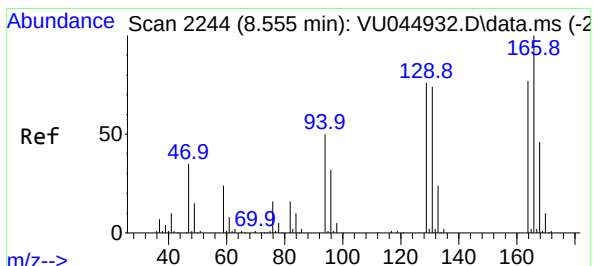
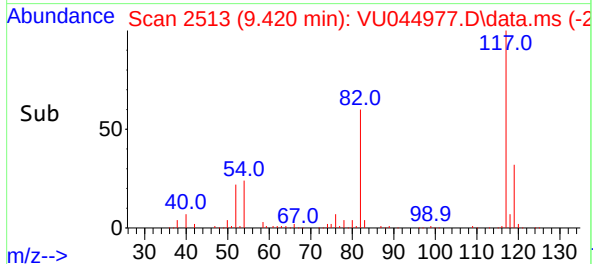
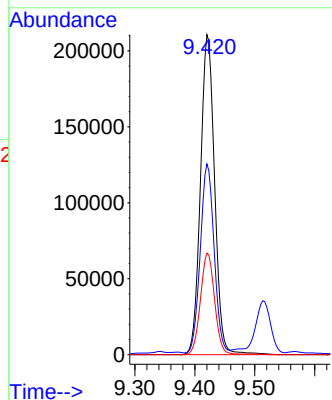
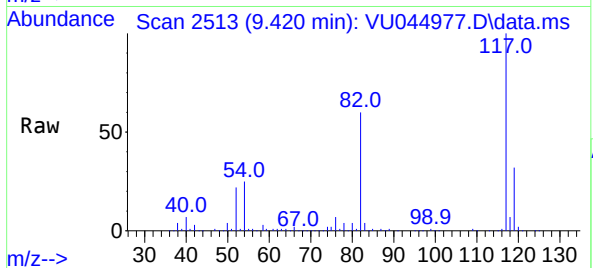
Tgt Ion:117 Resp: 346973

Ion Ratio Lower Upper

117 100

82 58.9 47.8 71.8

119 31.7 25.8 38.6



#64

Tetrachloroethene

Concen: 1.876 ug/l

RT: 8.558 min Scan# 2245

Delta R.T. 0.003 min

Lab File: VU044977.D

Acq: 29 Sep 2021 06:04

Tgt Ion:164 Resp: 4248

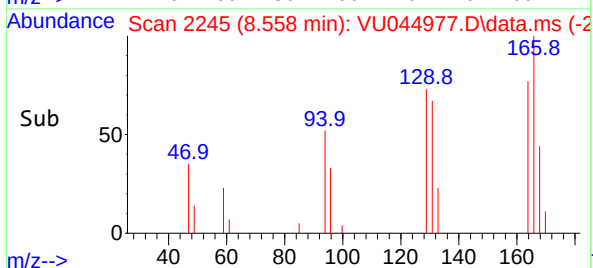
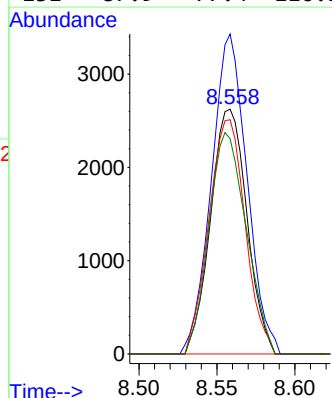
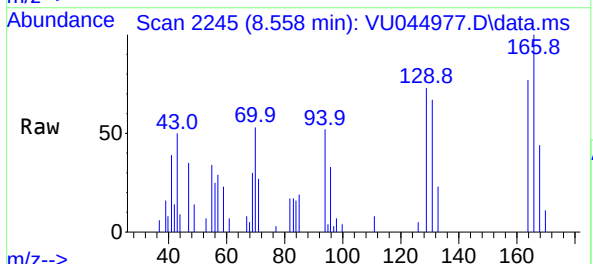
Ion Ratio Lower Upper

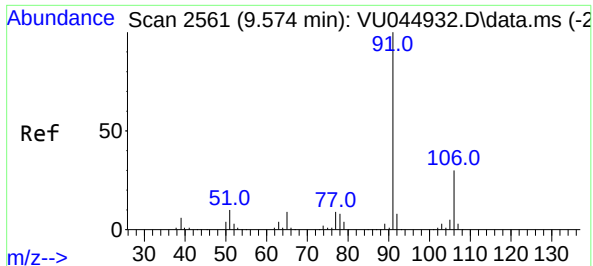
164 100

166 130.7 102.8 154.2

129 95.7 79.4 119.2

131 87.9 77.4 116.2

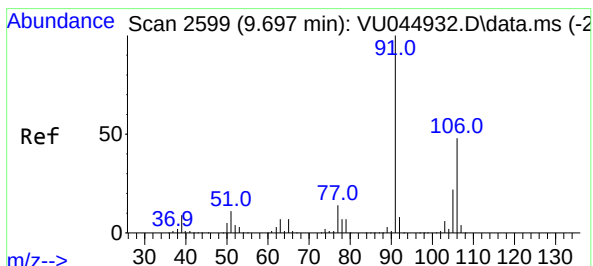
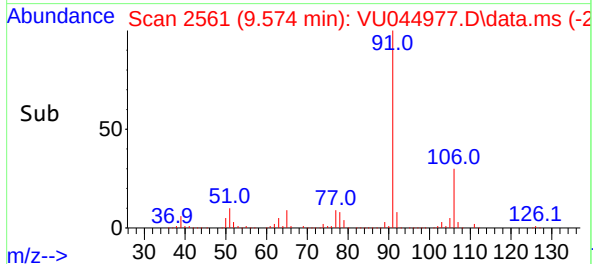
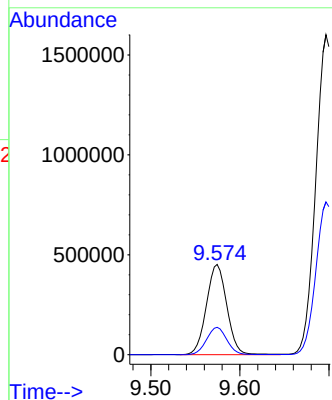
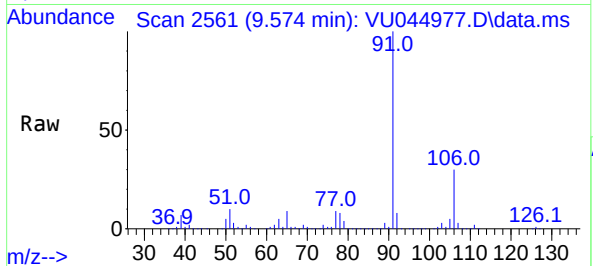




#67
Ethyl Benzene
Concen: 53.458 ug/l
RT: 9.574 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

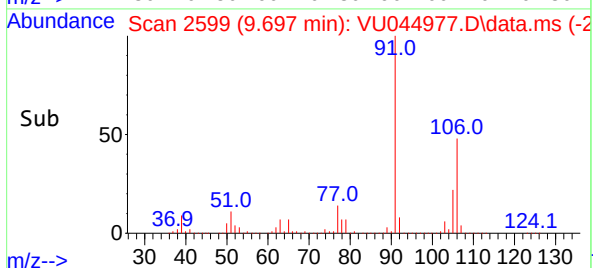
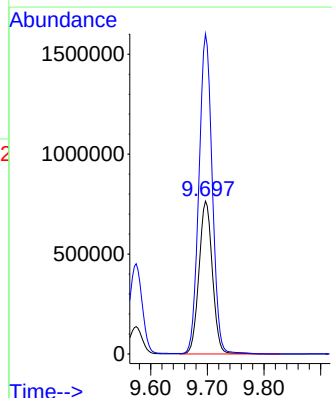
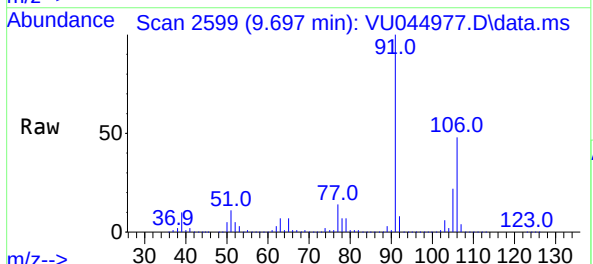
Instrument :
MSVOA_U
ClientSampleId :
MW-3

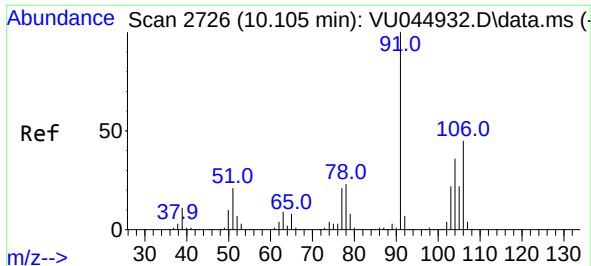
Tgt Ion: 91 Resp: 715610
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5



#68
m/p-Xylenes
Concen: 241.419 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

Tgt Ion: 106 Resp: 1255524
Ion Ratio Lower Upper
106 100
91 207.9 164.2 246.2

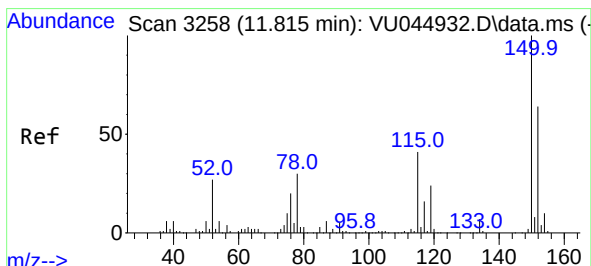
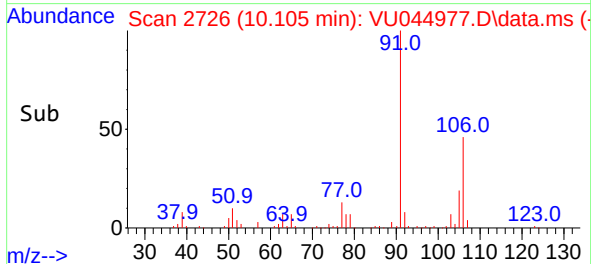
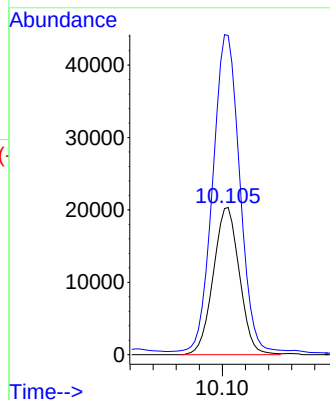
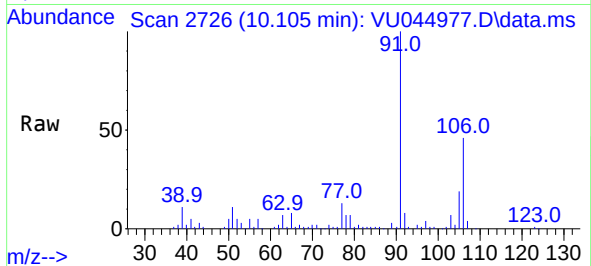




#69
o-Xylene
Concen: 6.184 ug/l
RT: 10.105 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

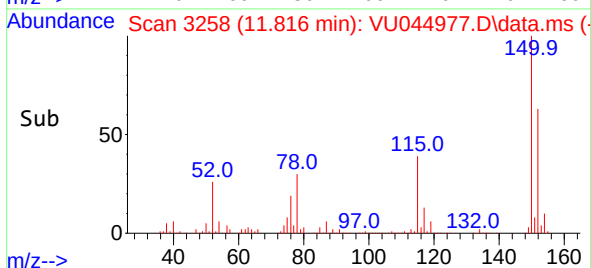
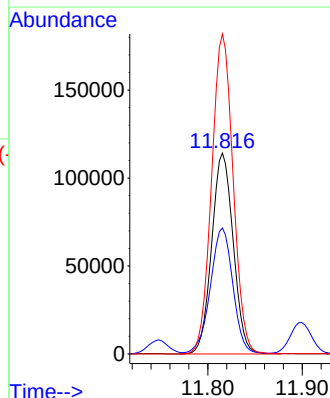
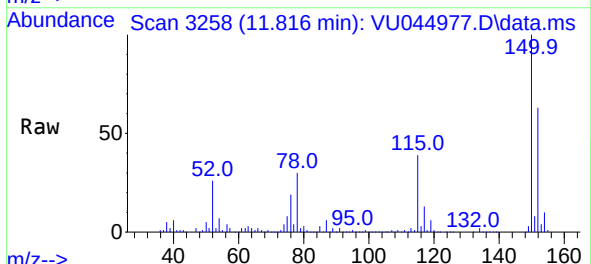
Instrument :
MSVOA_U
ClientSampleId :
MW-3

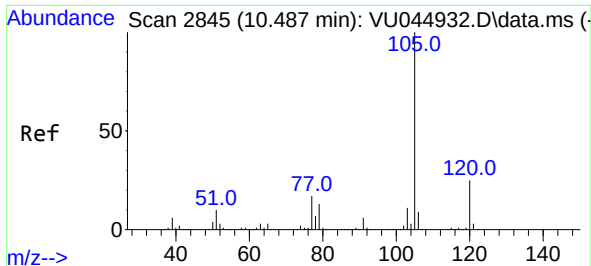
Tgt Ion:106 Resp: 31918
Ion Ratio Lower Upper
106 100
91 220.0 108.9 326.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

Tgt Ion:152 Resp: 180773
Ion Ratio Lower Upper
152 100
115 65.3 43.5 130.7
150 159.0 0.0 350.0

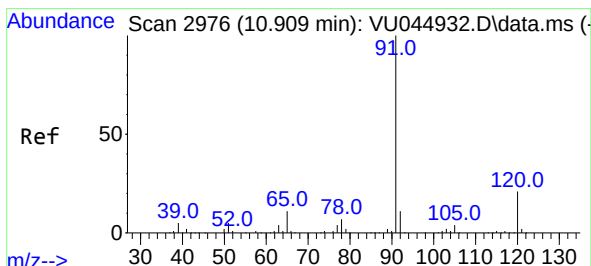
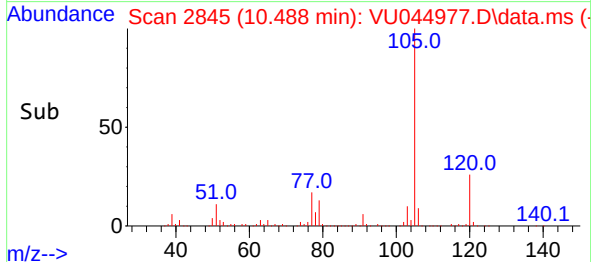
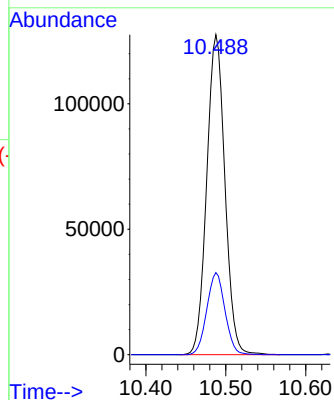
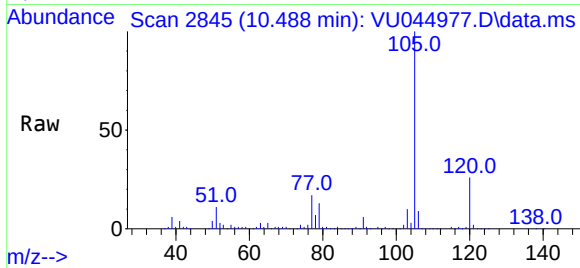




#73
Isopropylbenzene
Concen: 14.984 ug/l
RT: 10.488 min Scan# 2845
Delta R.T. 0.001 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

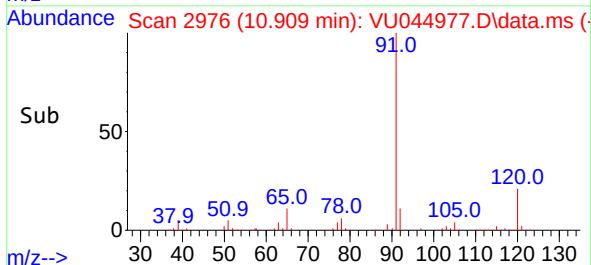
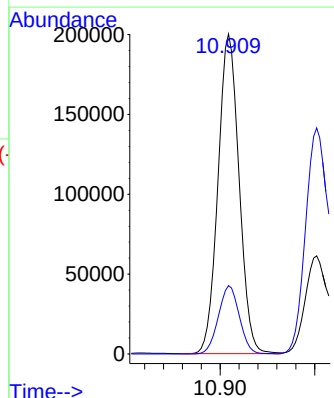
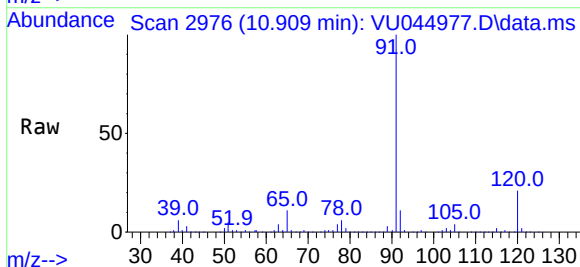
Instrument :
MSVOA_U
ClientSampleId :
MW-3

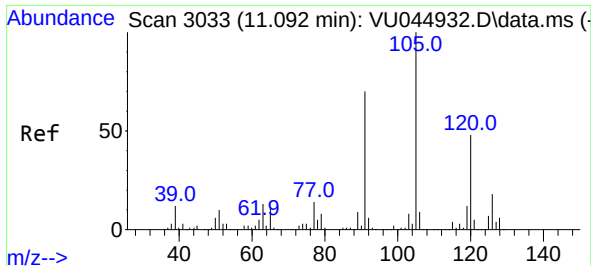
Tgt Ion:105 Resp: 201714
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.3



#78
n-propylbenzene
Concen: 18.843 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.000 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

Tgt Ion: 91 Resp: 309117
Ion Ratio Lower Upper
91 100
120 21.3 10.8 32.4

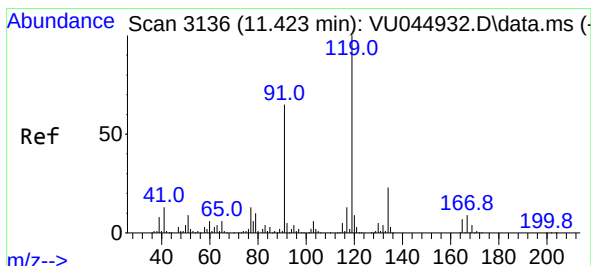
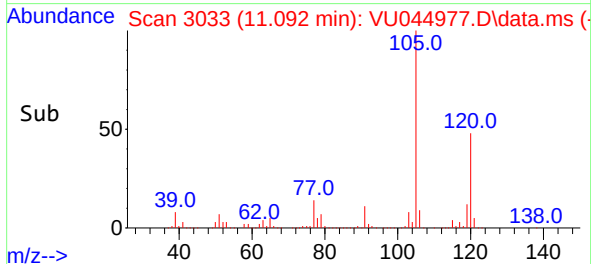
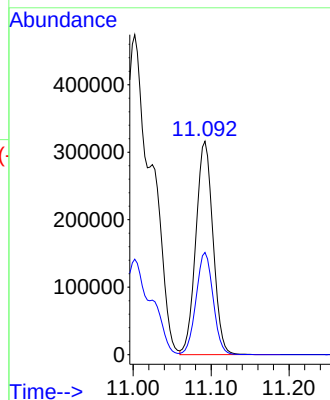
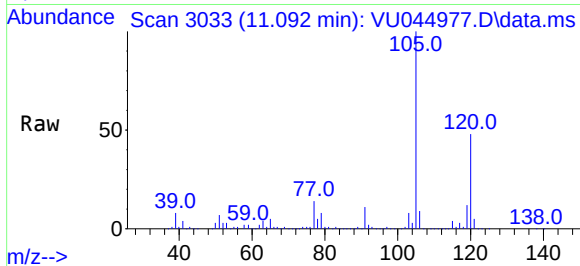




#80
1,3,5-Trimethylbenzene
Concen: 40.966 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

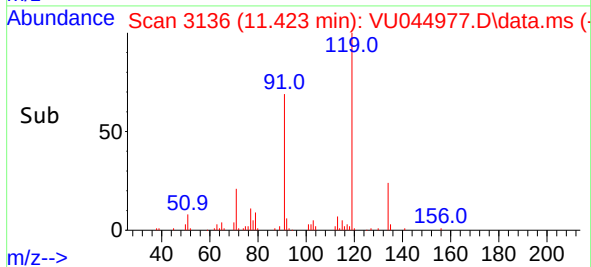
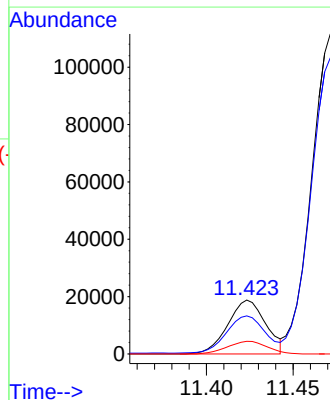
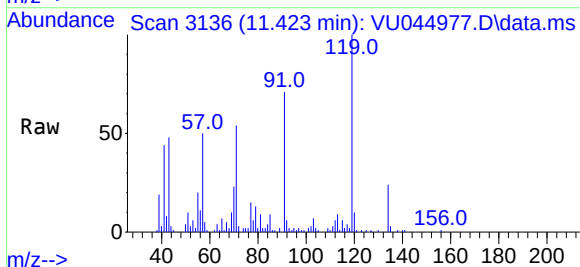
Instrument :
MSVOA_U
ClientSampleId :
MW-3

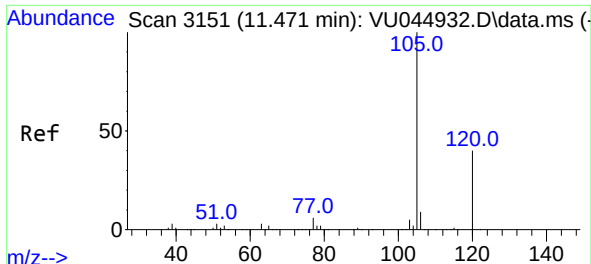
Tgt Ion:105 Resp: 483126
Ion Ratio Lower Upper
105 100
120 47.6 24.1 72.2



#83
tert-Butylbenzene
Concen: 2.491 ug/l
RT: 11.423 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

Tgt Ion:119 Resp: 28573
Ion Ratio Lower Upper
119 100
91 70.5 30.4 91.2
134 24.5 11.5 34.5

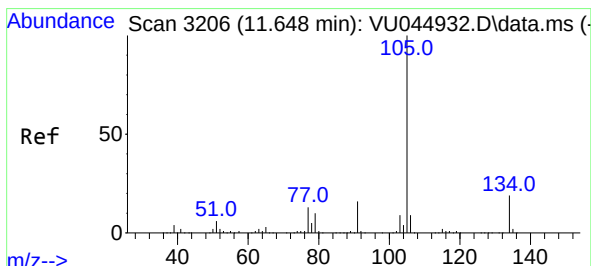
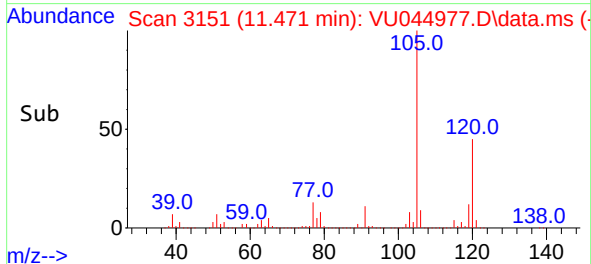
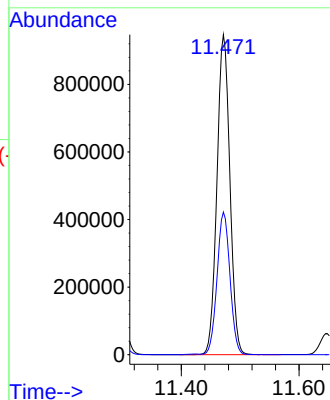
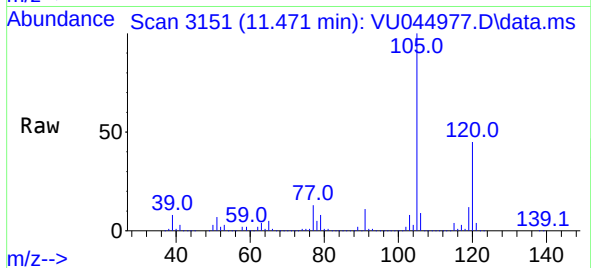




#84
1,2,4-Trimethylbenzene
Concen: 123.418 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

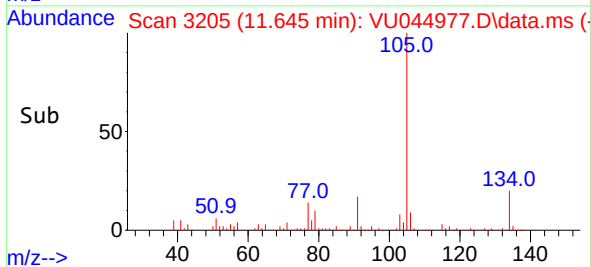
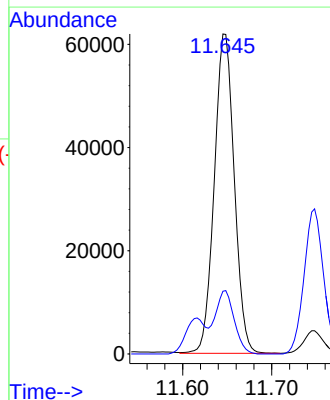
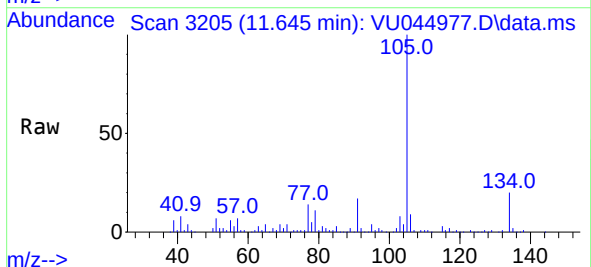
Instrument :
MSVOA_U
ClientSampleId :
MW-3

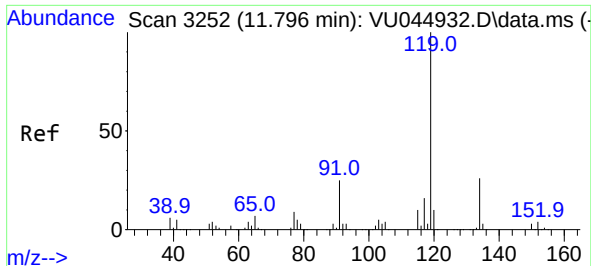
Tgt Ion:105 Resp: 1439960
Ion Ratio Lower Upper
105 100
120 44.6 22.4 67.3



#85
sec-Butylbenzene
Concen: 6.533 ug/l
RT: 11.645 min Scan# 3205
Delta R.T. -0.003 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

Tgt Ion:105 Resp: 96502
Ion Ratio Lower Upper
105 100
134 18.8 9.3 28.0

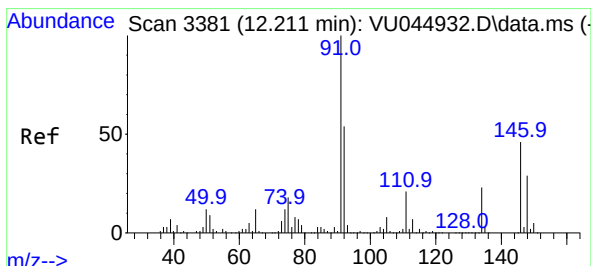
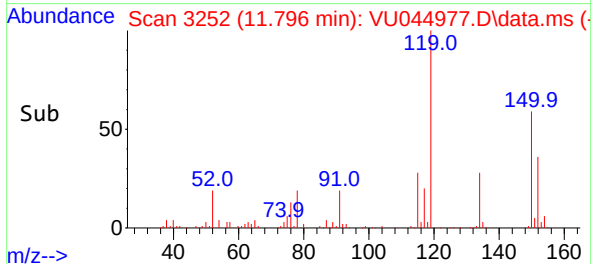
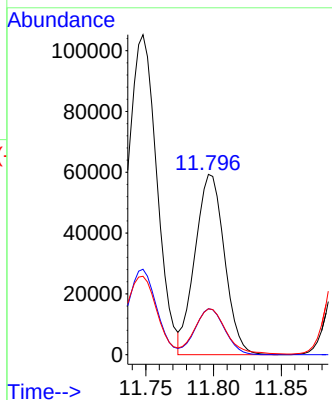
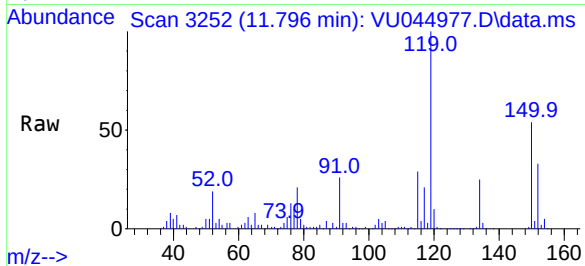




#86
p-Isopropyltoluene
Concen: 7.549 ug/l
RT: 11.796 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

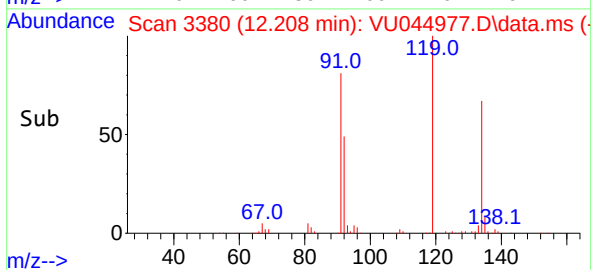
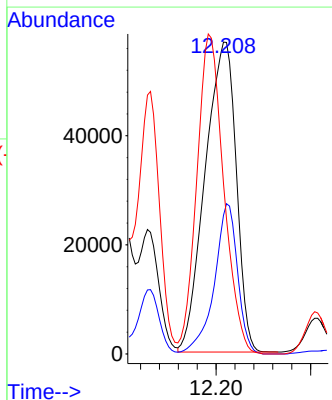
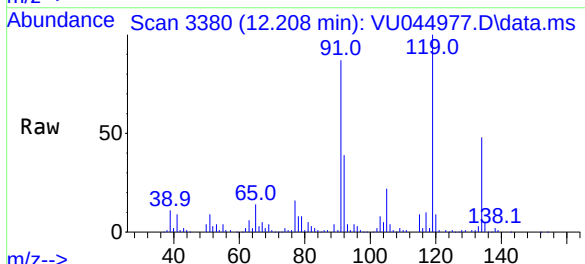
Instrument :
MSVOA_U
ClientSampleId :
MW-3

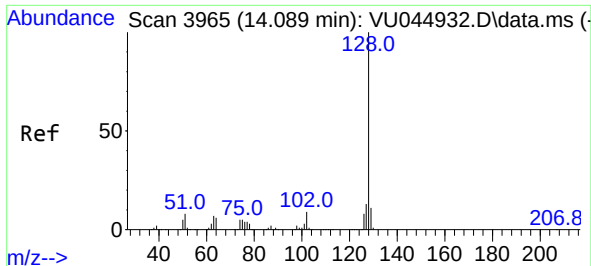
Tgt Ion:119 Resp: 89707
Ion Ratio Lower Upper
119 100
134 25.7 12.8 38.3
91 26.4 12.2 36.6



#89
n-Butylbenzene
Concen: 11.842 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. -0.003 min
Lab File: VU044977.D
Acq: 29 Sep 2021 06:04

Tgt Ion: 91 Resp: 129607
Ion Ratio Lower Upper
91 100
92 36.4 26.8 80.4
134 89.5 11.8 35.4#





#95

Naphthalene

Concen: 27.741 ug/l

RT: 14.089 min Scan# 3965

Delta R.T. -0.000 min

Lab File: VU044977.D

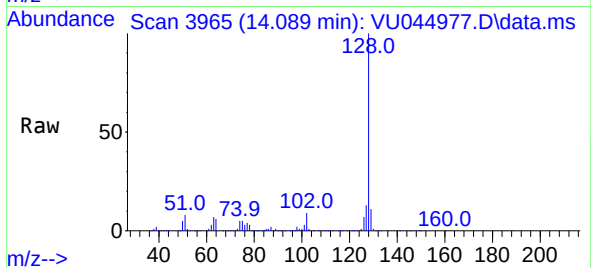
Acq: 29 Sep 2021 06:04

Instrument :

MSVOA_U

ClientSampleId :

MW-3



Tgt Ion:128 Resp: 370015

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 11.6 8.6 13.0

