

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110821\
 Data File : VU045609.D
 Acq On : 08 Nov 2021 12:51
 Operator : SY/MD
 Sample : M4578-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-12

Quant Time: Nov 09 09:54:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

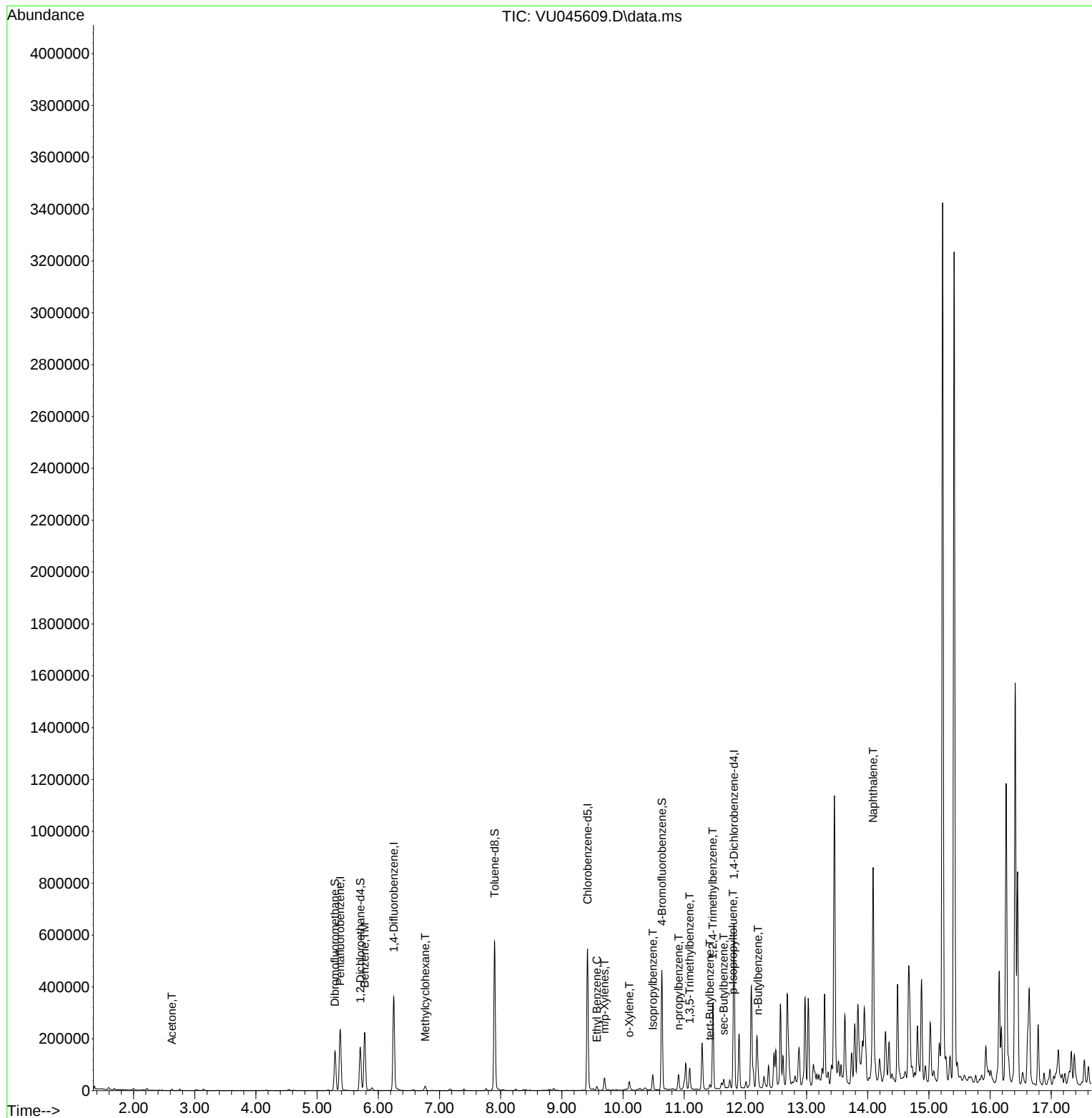
Internal Standards						
1) Pentafluorobenzene	5.375	168	152782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	289076	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	294891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	157374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	122875	53.702	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.400%	
35) Dibromofluoromethane	5.292	113	96618	50.061	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.120%	
50) Toluene-d8	7.903	98	383674	53.461	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.920%	
62) 4-Bromofluorobenzene	10.636	95	153385	53.299	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.600%	
Target Compounds						
					Qvalue	
16) Acetone	2.626	43	6092	5.230	ug/l	96
39) Methylcyclohexane	6.768	83	7115	2.058	ug/l	94
40) Benzene	5.777	78	211285	25.318	ug/l	99
67) Ethyl Benzene	9.575	91	10582	1.020	ug/l	96
68) m/p-Xylenes	9.697	106	12541	3.206	ug/l	100
69) o-Xylene	10.102	106	9157	2.408	ug/l	97
73) Isopropylbenzene	10.488	105	37658	3.662	ug/l	98
78) n-propylbenzene	10.909	91	42954	3.356	ug/l	99
80) 1,3,5-Trimethylbenzene	11.089	105	43525	4.845	ug/l	99
83) tert-Butylbenzene	11.420	119	6892	0.805	ug/l	84
84) 1,2,4-Trimethylbenzene	11.468	105	178112	19.948	ug/l	99
85) sec-Butylbenzene	11.645	105	22290	1.962	ug/l	98
86) p-Isopropyltoluene	11.796	119	20792	2.191	ug/l	97
89) n-Butylbenzene	12.205	91	38705	4.233	ug/l #	33
95) Naphthalene	14.089	128	659524	51.736	ug/l	98

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

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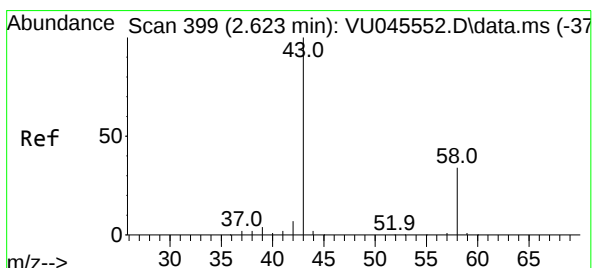
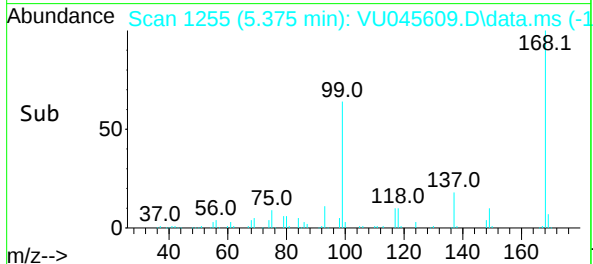
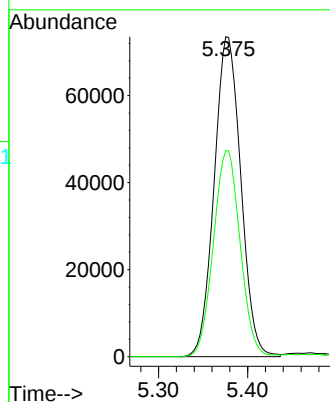
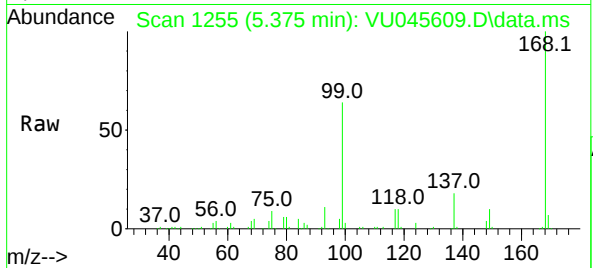




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU045609.D
Acq: 08 Nov 2021 12:51

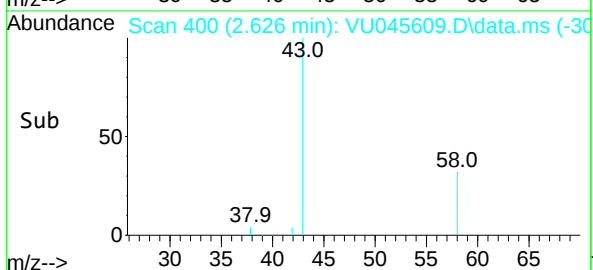
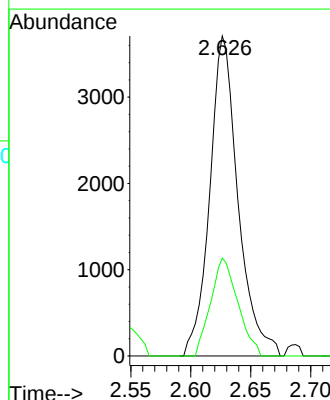
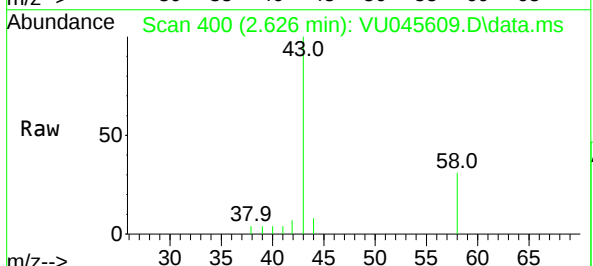
Instrument :
MSVOA_U
ClientSampleId :
TW-12

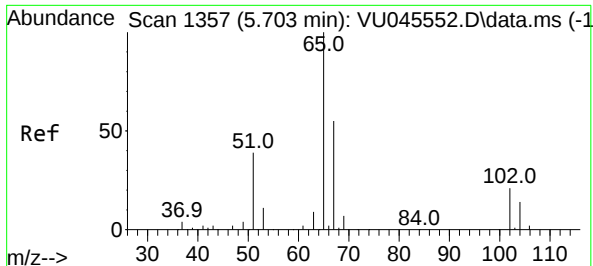
Tgt Ion:168 Resp: 152782
Ion Ratio Lower Upper
168 100
99 64.4 51.0 76.6



#16
Acetone
Concen: 5.230 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU045609.D
Acq: 08 Nov 2021 12:51

Tgt Ion: 43 Resp: 6092
Ion Ratio Lower Upper
43 100
58 30.6 26.2 39.2





#33

1,2-Dichloroethane-d4

Concen: 53.702 ug/l

RT: 5.707 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU045609.D

Acq: 08 Nov 2021 12:51

Instrument :

MSVOA_U

ClientSampleId :

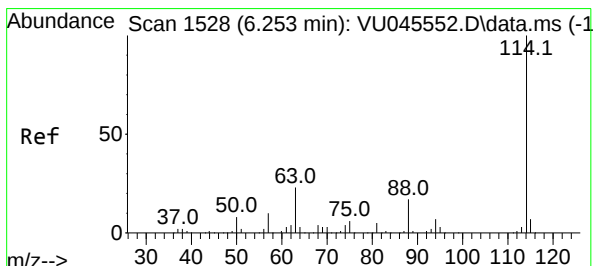
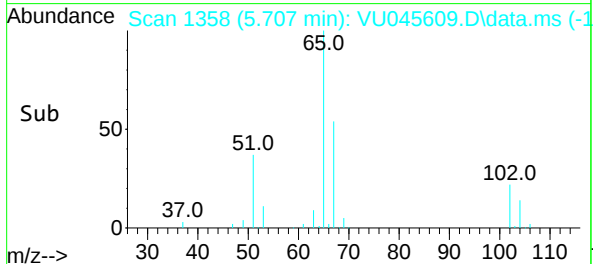
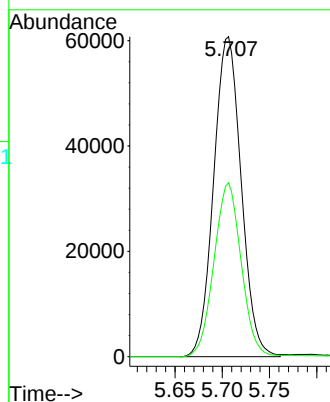
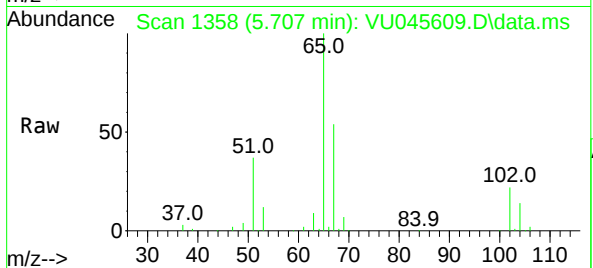
TW-12

Tgt Ion: 65 Resp: 122875

Ion Ratio Lower Upper

65 100

67 53.7 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU045609.D

Acq: 08 Nov 2021 12:51

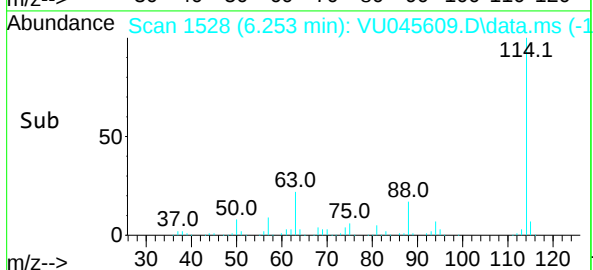
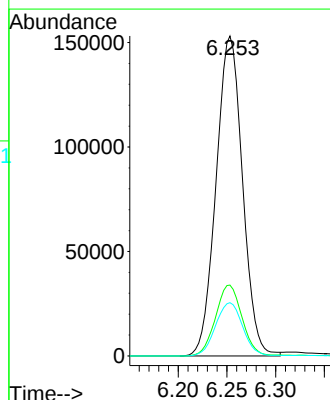
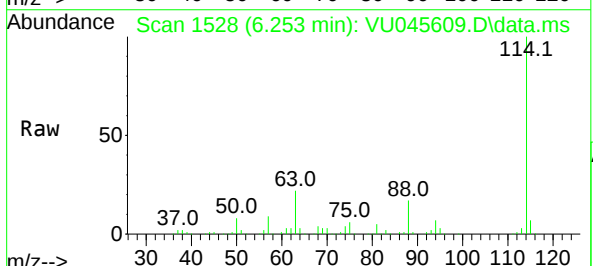
Tgt Ion: 114 Resp: 289076

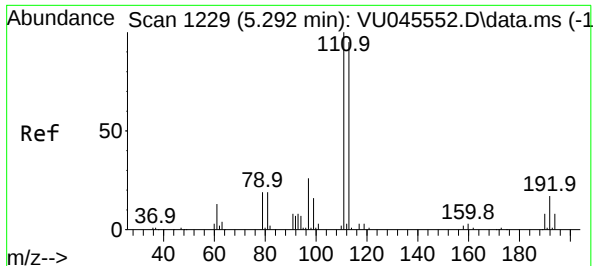
Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.6

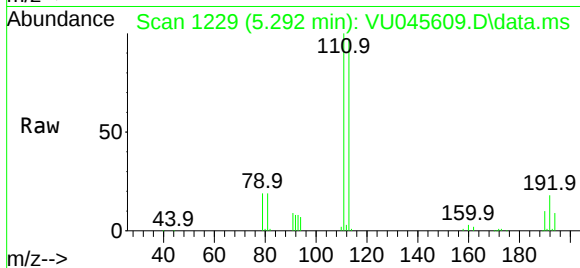
88 16.7 0.0 33.8



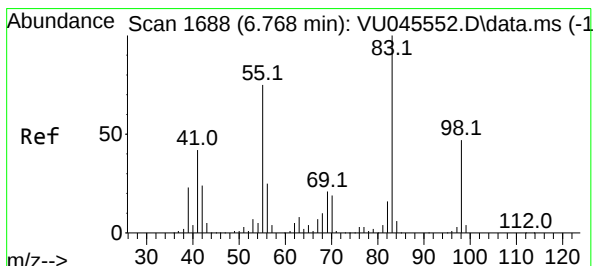
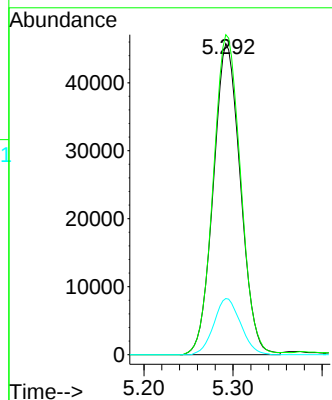
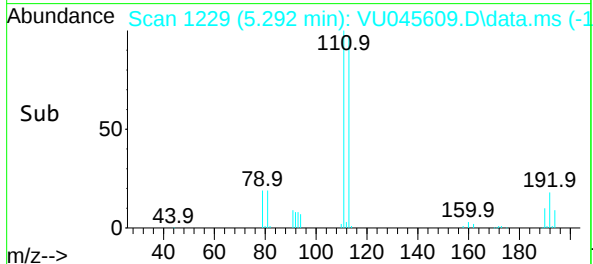


#35
Dibromofluoromethane
Concen: 50.061 ug/l
RT: 5.292 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045609.D
Acq: 08 Nov 2021 12:51

Instrument :
MSVOA_U
ClientSampleId :
TW-12

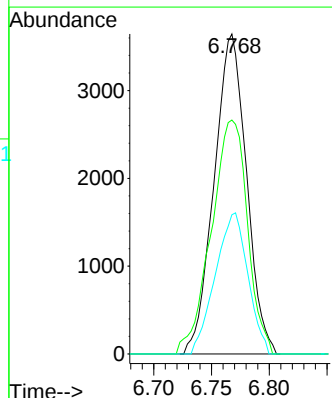
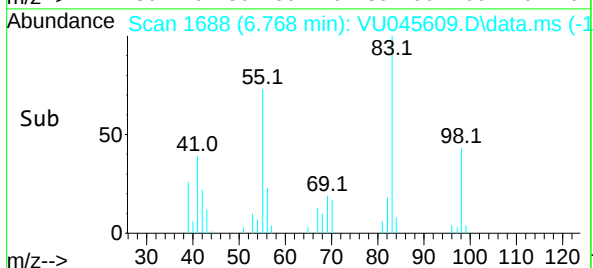
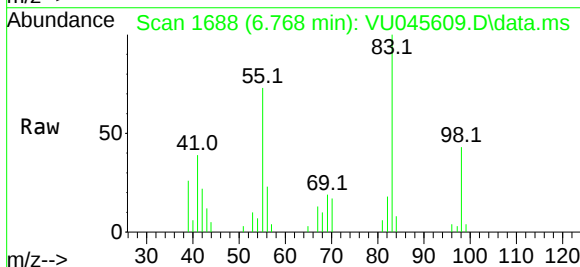


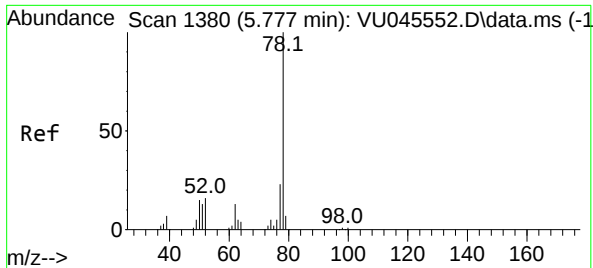
Tgt Ion:113 Resp: 96618
Ion Ratio Lower Upper
113 100
111 103.6 82.8 124.2
192 17.8 14.8 22.2



#39
Methylcyclohexane
Concen: 2.058 ug/l
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU045609.D
Acq: 08 Nov 2021 12:51

Tgt Ion: 83 Resp: 7115
Ion Ratio Lower Upper
83 100
55 73.1 63.6 95.4
98 43.5 37.1 55.7

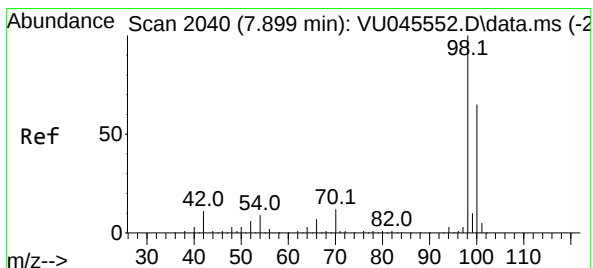
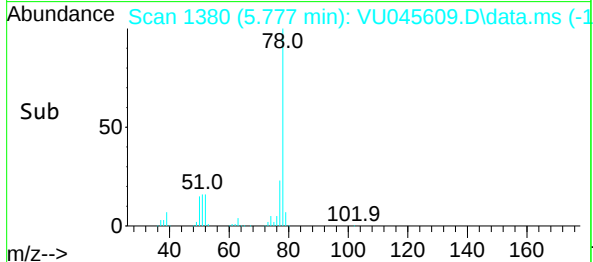
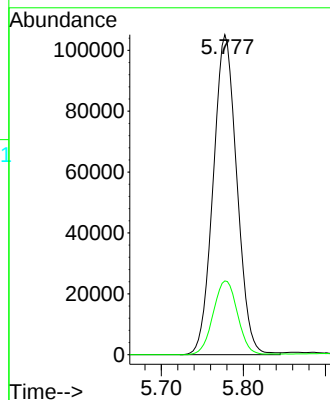
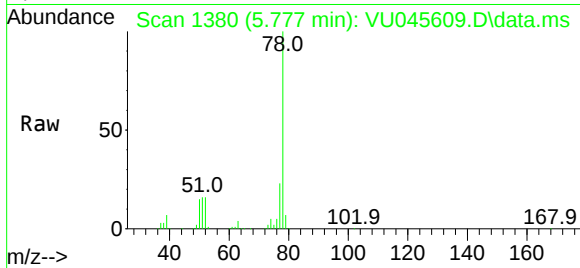




#40
Benzene
Concen: 25.318 ug/l
RT: 5.777 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045609.D
Acq: 08 Nov 2021 12:51

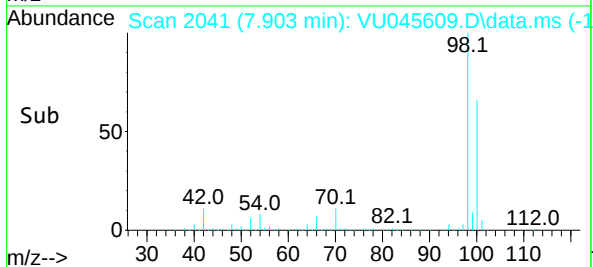
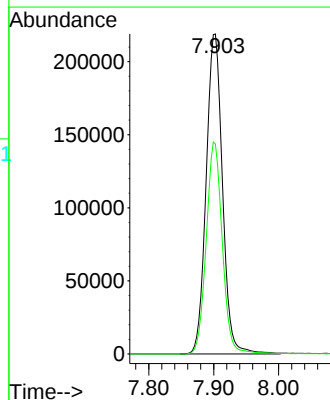
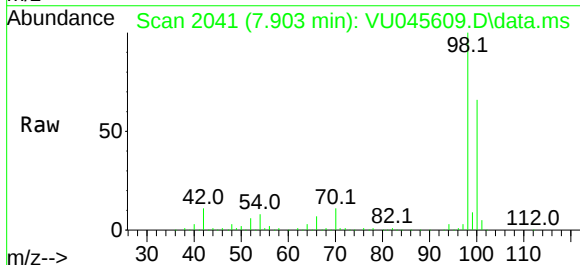
Instrument :
MSVOA_U
ClientSampleId :
TW-12

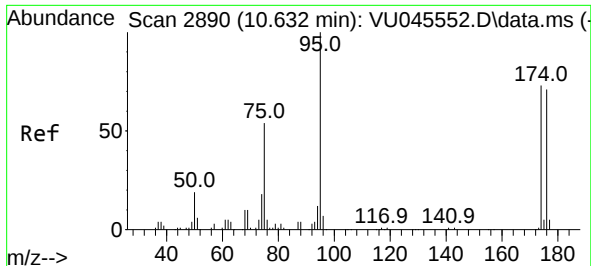
Tgt Ion: 78 Resp: 211285
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.4



#50
Toluene-d8
Concen: 53.461 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.003 min
Lab File: VU045609.D
Acq: 08 Nov 2021 12:51

Tgt Ion: 98 Resp: 383674
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7

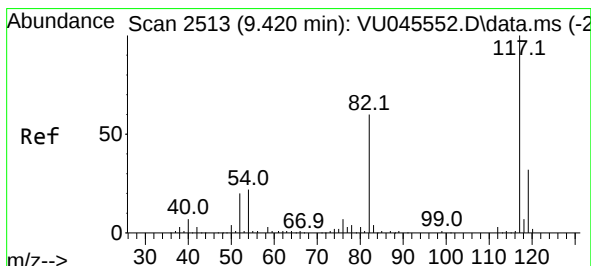
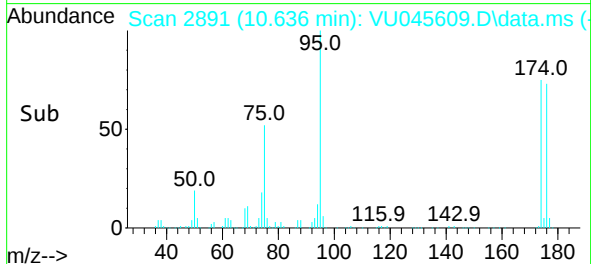
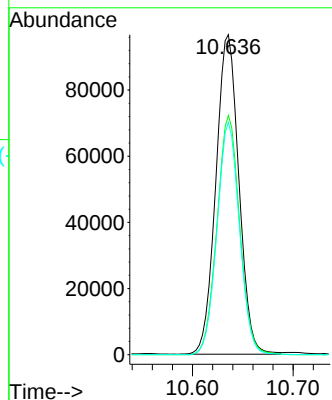
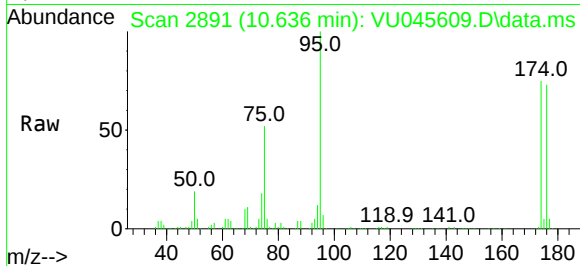




#62
4-Bromofluorobenzene
Concen: 53.299 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU045609.D
Acq: 08 Nov 2021 12:51

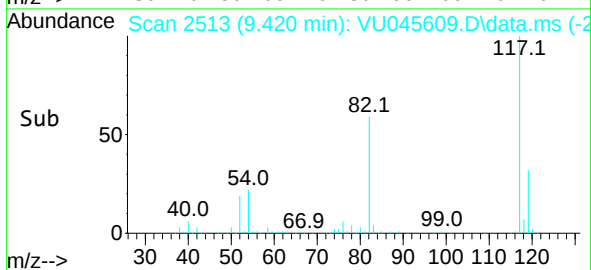
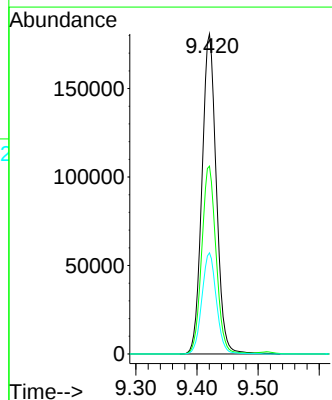
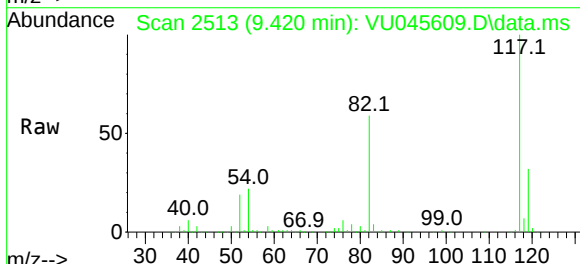
Instrument :
MSVOA_U
ClientSampleId :
TW-12

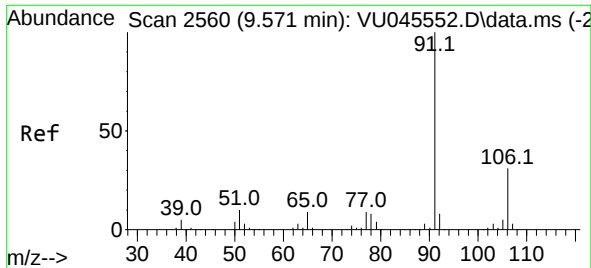
Tgt Ion: 95 Resp: 153385
Ion Ratio Lower Upper
95 100
174 74.1 0.0 141.8
176 70.9 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045609.D
Acq: 08 Nov 2021 12:51

Tgt Ion: 117 Resp: 294891
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.8
119 31.6 25.8 38.8





#67

Ethyl Benzene

Concen: 1.020 ug/l

RT: 9.575 min Scan# 2560

Delta R.T. 0.003 min

Lab File: VU045609.D

Acq: 08 Nov 2021 12:51

Instrument :

MSVOA_U

ClientSampleId :

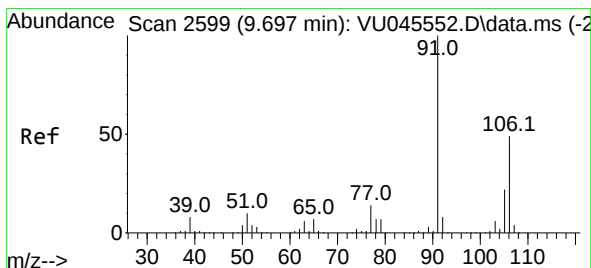
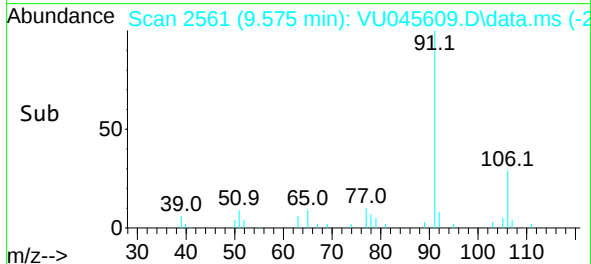
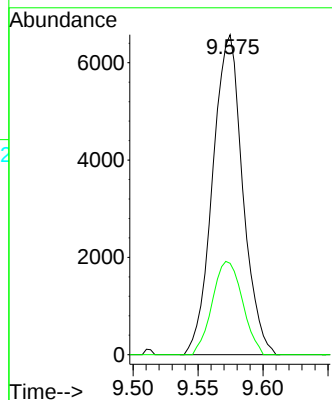
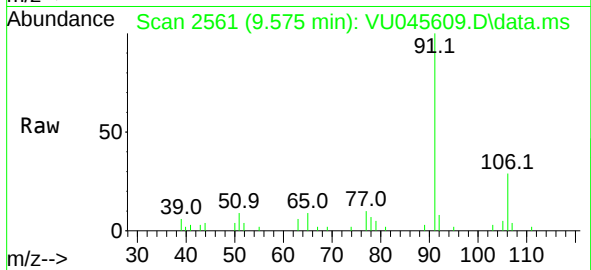
TW-12

Tgt Ion: 91 Resp: 10582

Ion Ratio Lower Upper

91 100

106 28.6 24.6 36.8



#68

m/p-Xylenes

Concen: 3.206 ug/l

RT: 9.697 min Scan# 2599

Delta R.T. 0.000 min

Lab File: VU045609.D

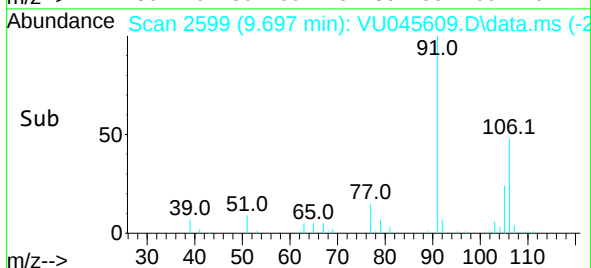
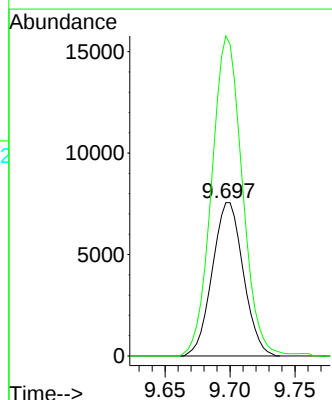
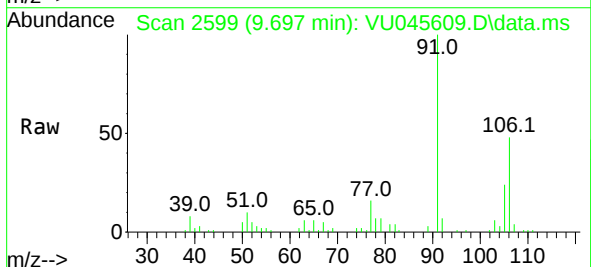
Acq: 08 Nov 2021 12:51

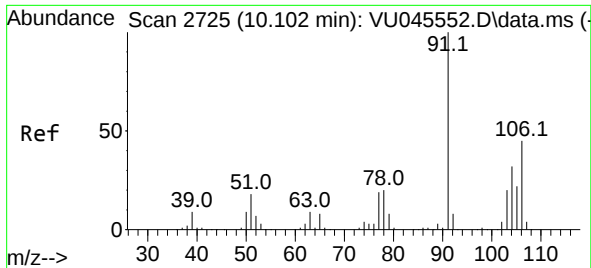
Tgt Ion: 106 Resp: 12541

Ion Ratio Lower Upper

106 100

91 206.1 164.7 247.1

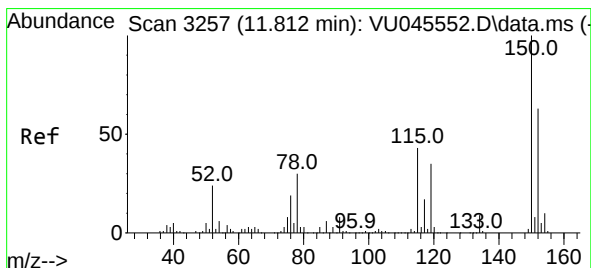
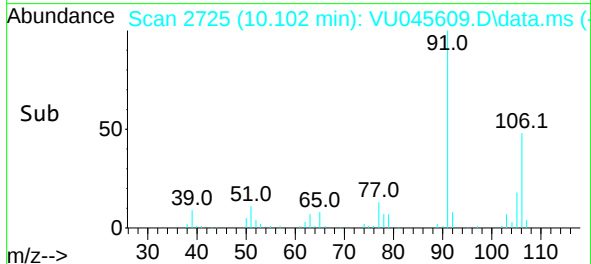
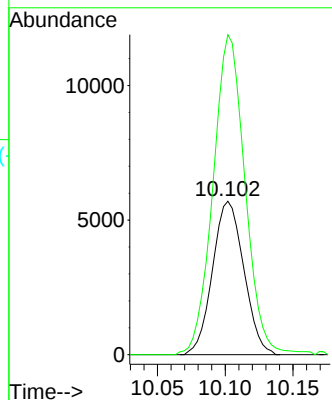
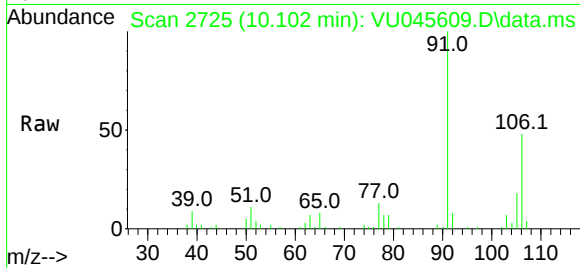




#69
o-Xylene
Concen: 2.408 ug/l
RT: 10.102 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045609.D
Acq: 08 Nov 2021 12:51

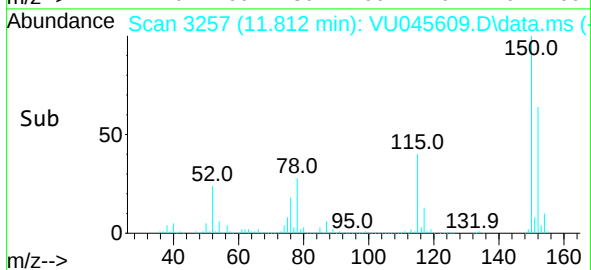
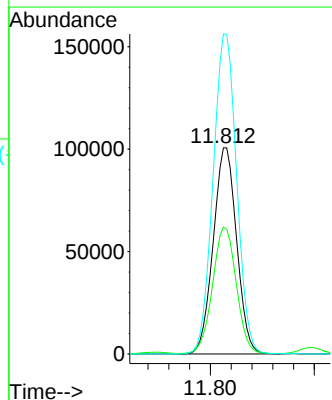
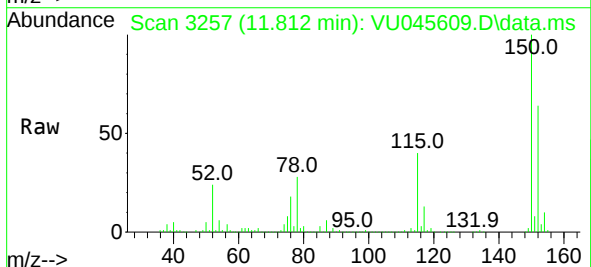
Instrument :
MSVOA_U
ClientSampleId :
TW-12

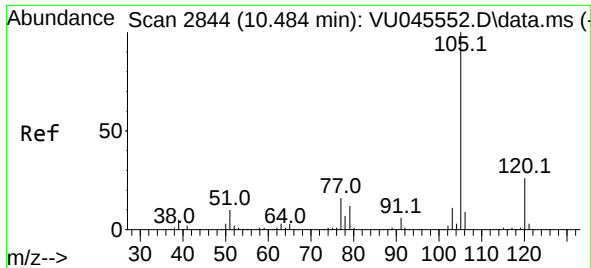
Tgt Ion:106 Resp: 9157
Ion Ratio Lower Upper
106 100
91 213.2 108.7 326.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU045609.D
Acq: 08 Nov 2021 12:51

Tgt Ion:152 Resp: 157374
Ion Ratio Lower Upper
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115 62.0 42.7 128.1
150 156.1 0.0 346.8

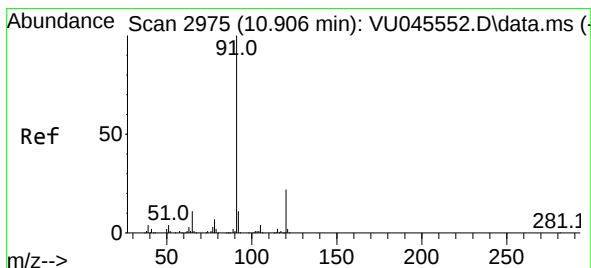
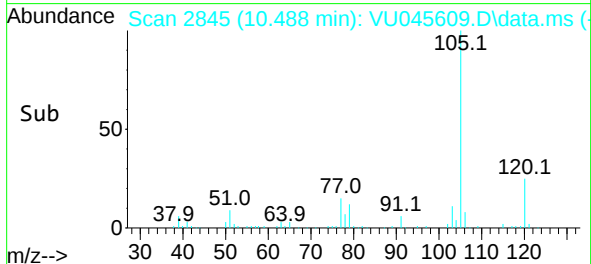
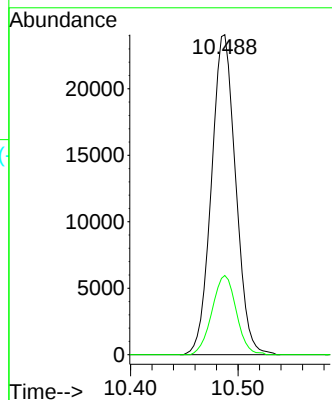
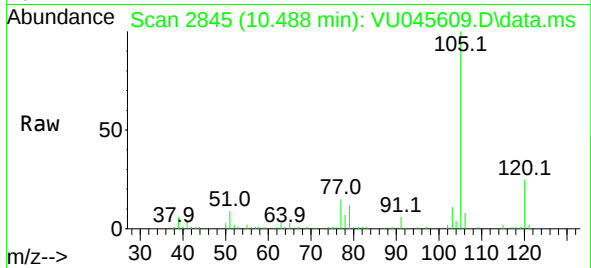




#73
Isopropylbenzene
Concen: 3.662 ug/l
RT: 10.488 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU045609.D
Acq: 08 Nov 2021 12:51

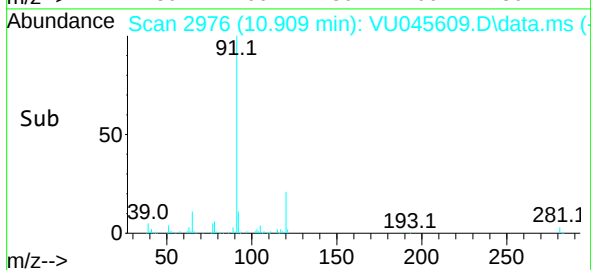
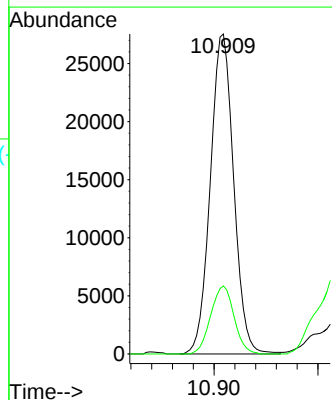
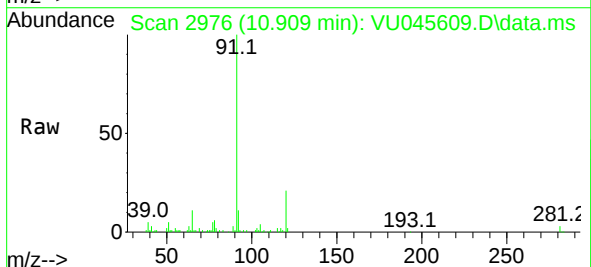
Instrument :
MSVOA_U
ClientSampleId :
TW-12

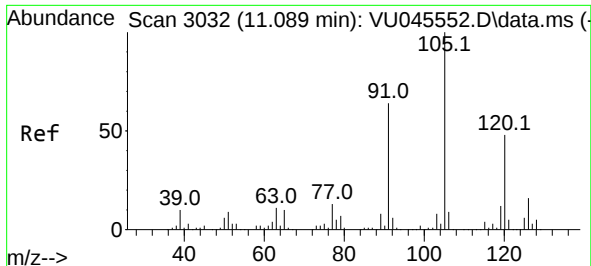
Tgt Ion:105 Resp: 37658
Ion Ratio Lower Upper
105 100
120 24.8 12.9 38.6



#78
n-propylbenzene
Concen: 3.356 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.003 min
Lab File: VU045609.D
Acq: 08 Nov 2021 12:51

Tgt Ion: 91 Resp: 42954
Ion Ratio Lower Upper
91 100
120 21.3 10.9 32.7

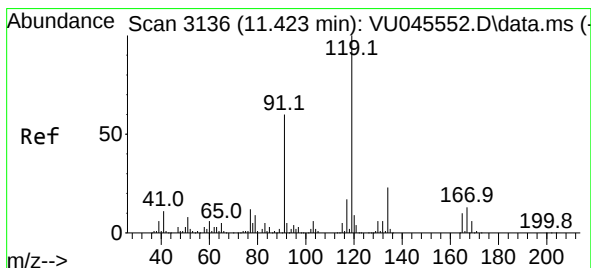
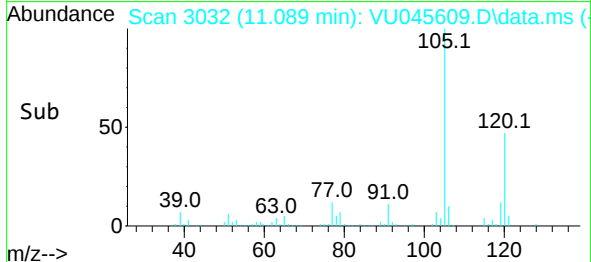
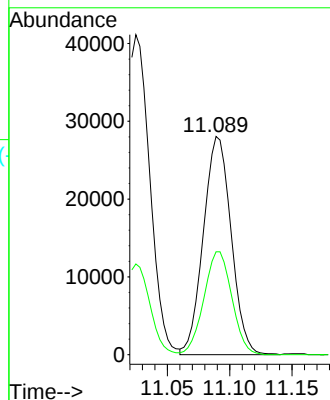
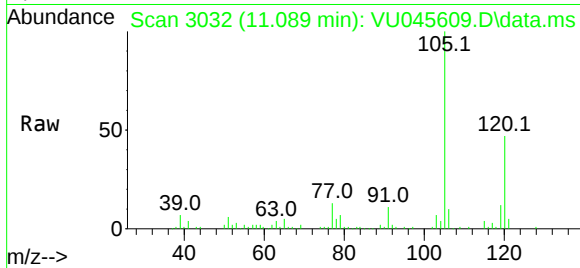




#80
1,3,5-Trimethylbenzene
Concen: 4.845 ug/l
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU045609.D
Acq: 08 Nov 2021 12:51

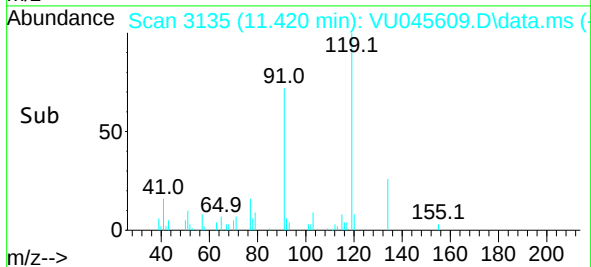
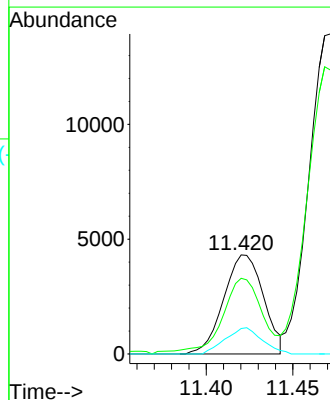
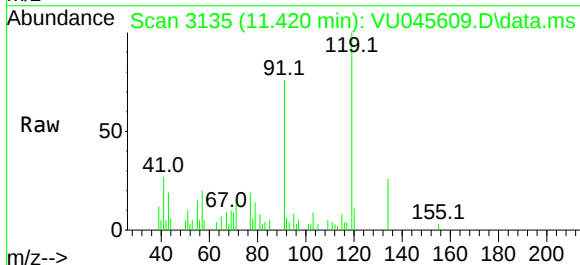
Instrument :
MSVOA_U
ClientSampleId :
TW-12

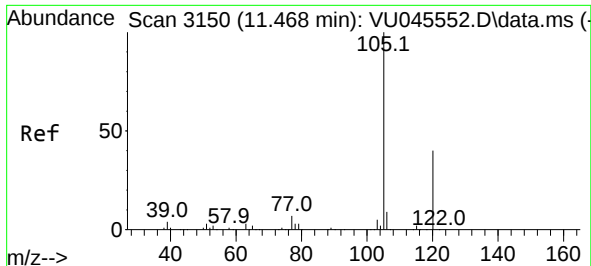
Tgt Ion:105 Resp: 43525
Ion Ratio Lower Upper
105 100
120 47.4 23.9 71.8



#83
tert-Butylbenzene
Concen: 0.805 ug/l
RT: 11.420 min Scan# 3135
Delta R.T. -0.003 min
Lab File: VU045609.D
Acq: 08 Nov 2021 12:51

Tgt Ion:119 Resp: 6892
Ion Ratio Lower Upper
119 100
91 77.4 30.5 91.5
134 24.3 11.5 34.5

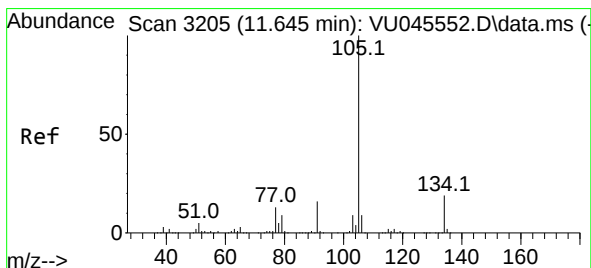
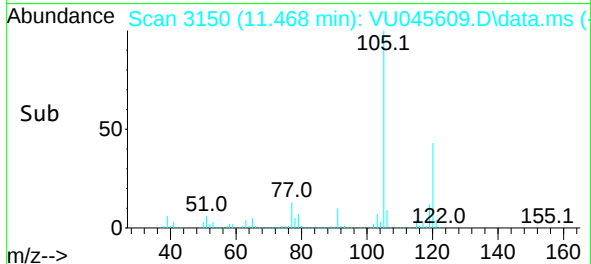
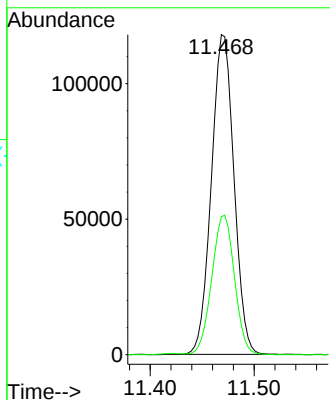
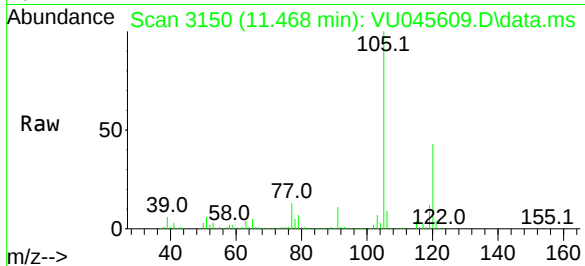




#84
1,2,4-Trimethylbenzene
Concen: 19.948 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU045609.D
Acq: 08 Nov 2021 12:51

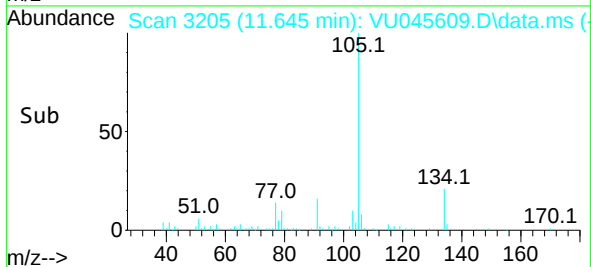
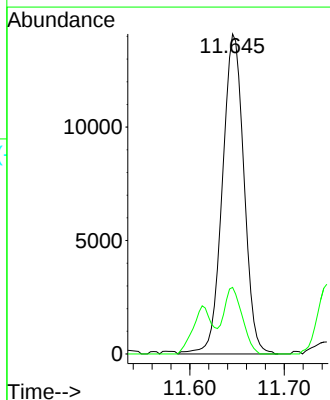
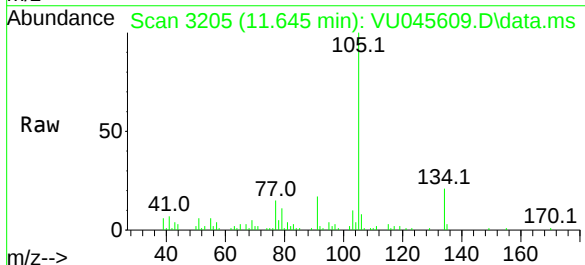
Instrument :
MSVOA_U
ClientSampleId :
TW-12

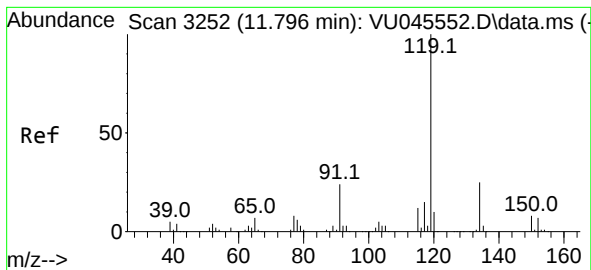
Tgt Ion:105 Resp: 178112
Ion Ratio Lower Upper
105 100
120 43.9 22.2 66.6



#85
sec-Butylbenzene
Concen: 1.962 ug/l
RT: 11.645 min Scan# 3205
Delta R.T. 0.000 min
Lab File: VU045609.D
Acq: 08 Nov 2021 12:51

Tgt Ion:105 Resp: 22290
Ion Ratio Lower Upper
105 100
134 17.9 9.4 28.3





#86

p-Isopropyltoluene

Concen: 2.191 ug/l

RT: 11.796 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU045609.D

Acq: 08 Nov 2021 12:51

Instrument :

MSVOA_U

ClientSampleId :

TW-12

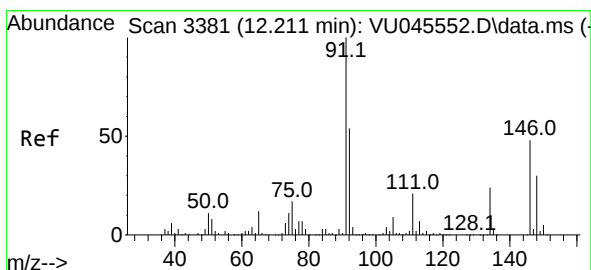
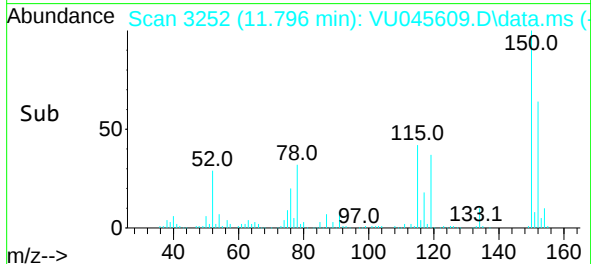
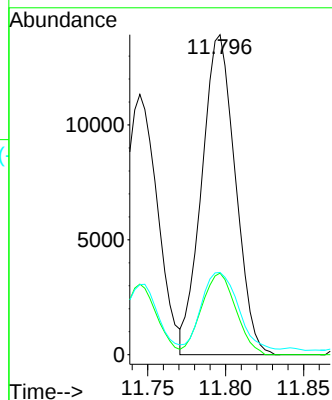
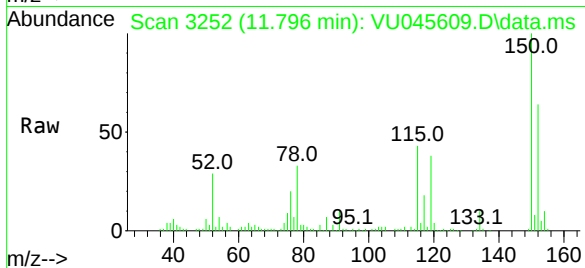
Tgt Ion:119 Resp: 20792

Ion Ratio Lower Upper

119 100

134 26.1 12.7 38.1

91 26.2 12.2 36.4



#89

n-Butylbenzene

Concen: 4.233 ug/l

RT: 12.205 min Scan# 3379

Delta R.T. -0.006 min

Lab File: VU045609.D

Acq: 08 Nov 2021 12:51

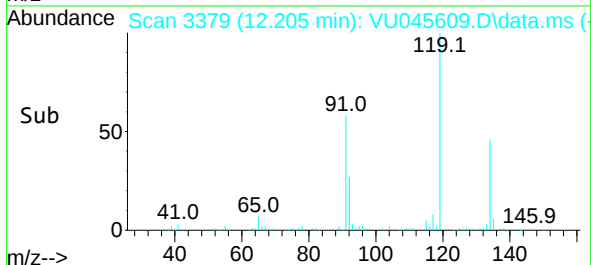
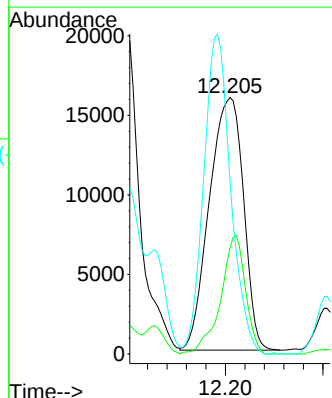
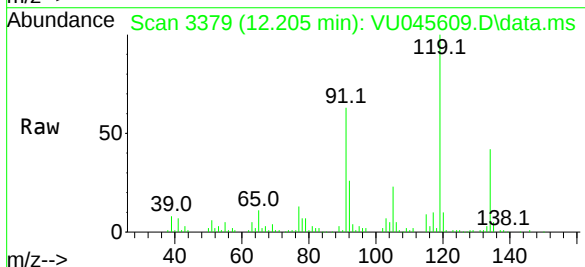
Tgt Ion: 91 Resp: 38705

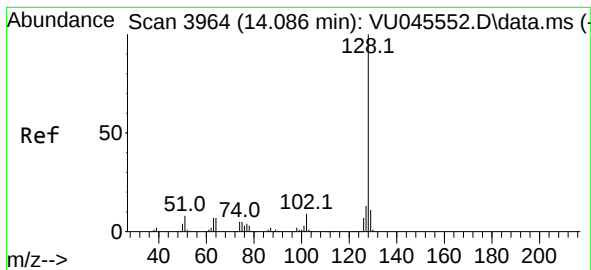
Ion Ratio Lower Upper

91 100

92 34.0 27.1 81.2

134 99.9 11.8 35.4#





#95

Naphthalene

Concen: 51.736 ug/l

RT: 14.089 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VU045609.D

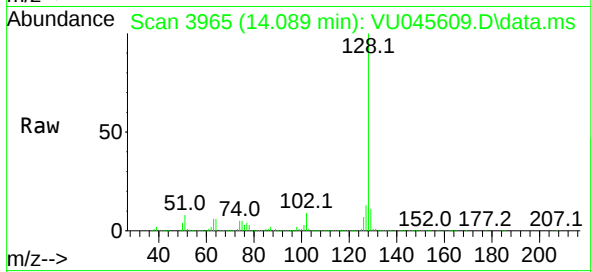
Acq: 08 Nov 2021 12:51

Instrument :

MSVOA_U

ClientSampleId :

TW-12



Tgt Ion:128 Resp: 659524

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 12.1 8.6 13.0

