

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053122\
 Data File : VU048742.D
 Acq On : 31 May 2022 16:43
 Operator : SY/MD
 Sample : N3033-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-5

Quant Time: Jun 01 02:18:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

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

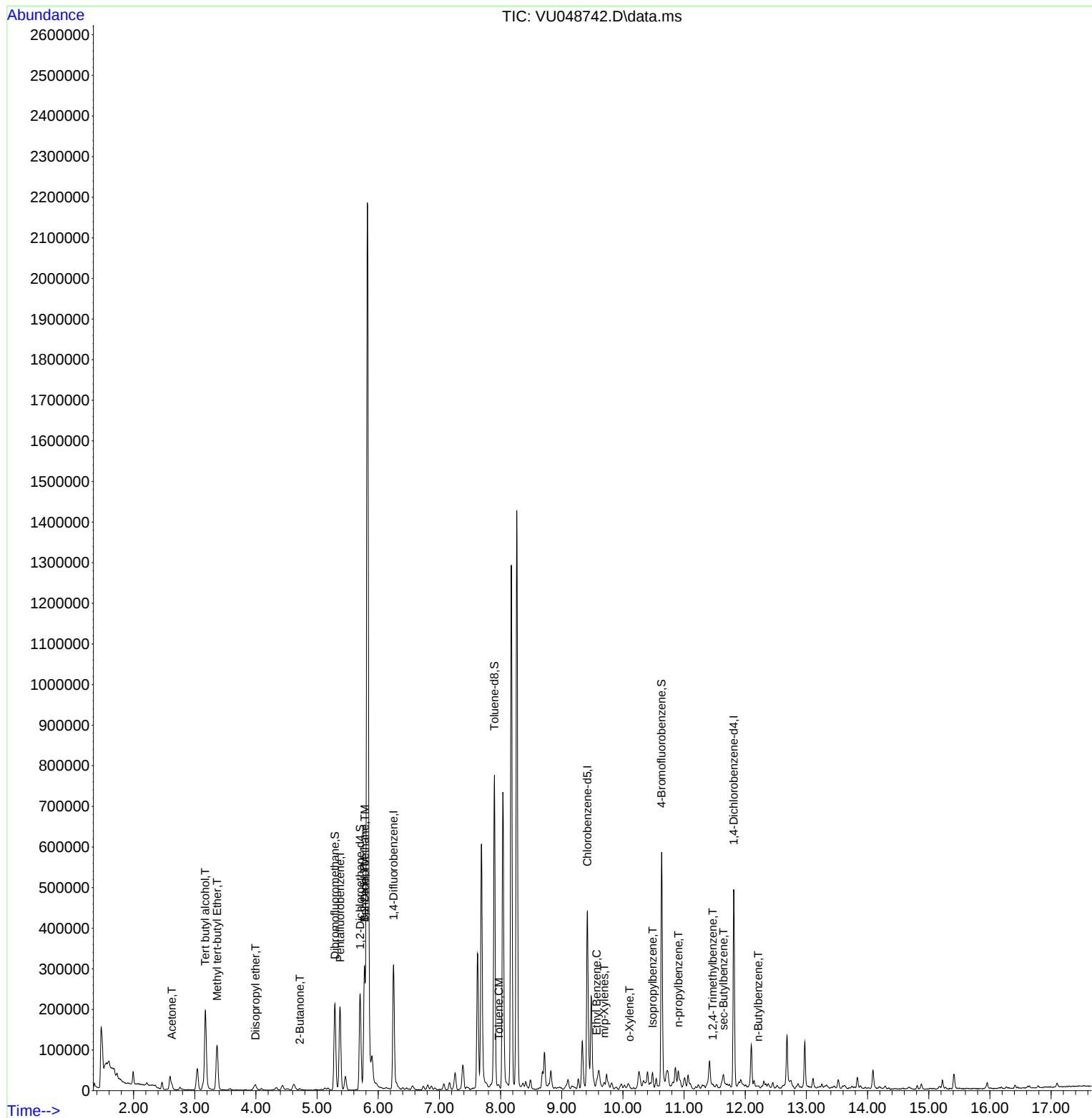
Internal Standards						
1) Pentafluorobenzene	5.375	168	138777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	252477	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	243301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	126163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	182124	87.385	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 174.760%#		
35) Dibromofluoromethane	5.292	113	141092	78.331	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 156.660%#		
50) Toluene-d8	7.899	98	506672	78.472	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 156.940%#		
62) 4-Bromofluorobenzene	10.632	95	189575	77.635	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 155.260%#		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.173	59	232149	439.348	ug/l #	42
16) Acetone	2.626	43	13895	13.082	ug/l	94
19) Methyl tert-butyl Ether	3.366	73	118492	22.109	ug/l	92
22) Diisopropyl ether	3.996	45	10700	2.120	ug/l #	75
25) 2-Butanone	4.716	43	4952	3.245	ug/l	94
40) Benzene	5.774	78	284313	36.633	ug/l	100
42) 1,2-Dichloroethane	5.777	62	2595	0.854	ug/l	91
52) Toluene	7.973	92	2051	0.442	ug/l	87
67) Ethyl Benzene	9.571	91	9221	1.062	ug/l	92
68) m/p-Xylenes	9.697	106	3636	1.071	ug/l	95
69) o-Xylene	10.108	106	1134	0.340	ug/l	88
73) Isopropylbenzene	10.484	105	12386	1.521	ug/l	100
78) n-propylbenzene	10.909	91	11236	1.158	ug/l	100
84) 1,2,4-Trimethylbenzene	11.468	105	3622	1.650	ug/l	90
85) sec-Butylbenzene	11.645	105	7676	0.903	ug/l #	58
89) n-Butylbenzene	12.211	91	2100	2.460	ug/l #	62

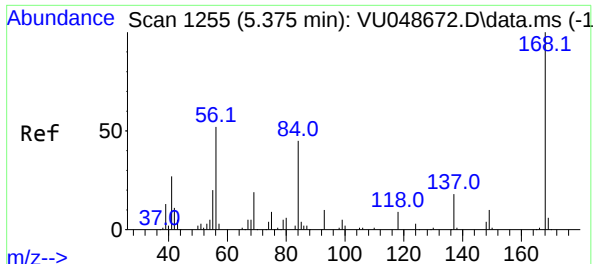
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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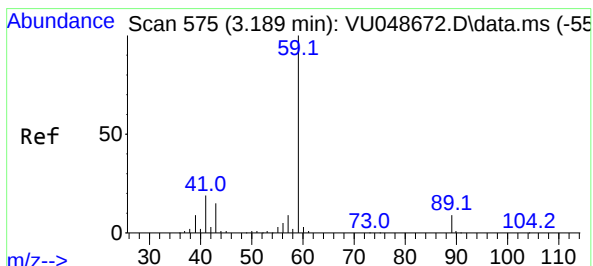
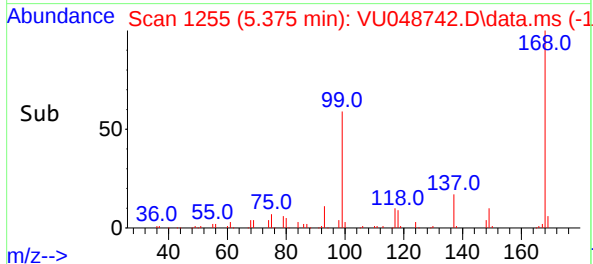
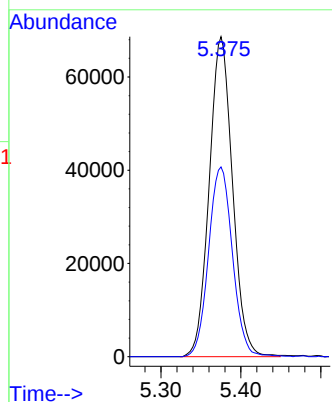
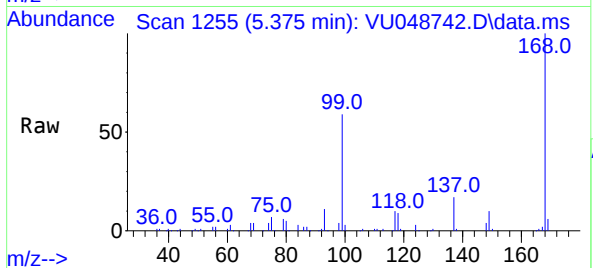




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

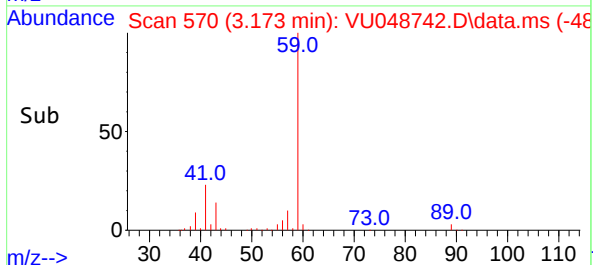
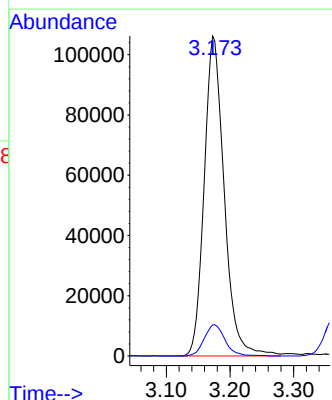
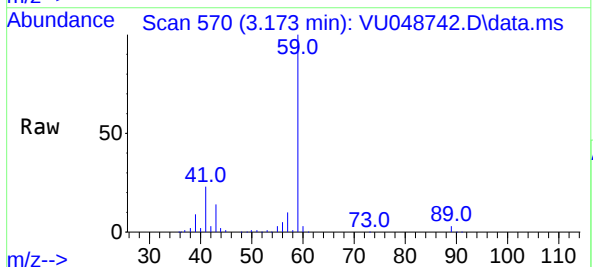
Instrument :
MSVOA_U
ClientSampleId :
TW-5

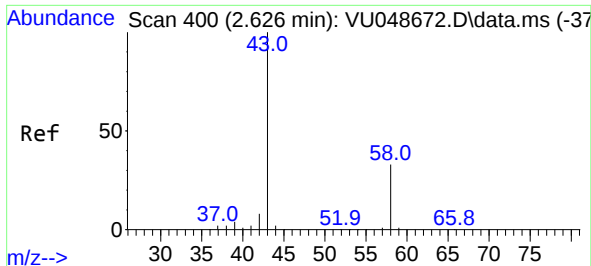
Tgt Ion:168 Resp: 138777
Ion Ratio Lower Upper
168 100
99 59.3 49.3 73.9



#11
Tert butyl alcohol
Concen: 439.348 ug/l
RT: 3.173 min Scan# 570
Delta R.T. -0.016 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

Tgt Ion: 59 Resp: 232149
Ion Ratio Lower Upper
59 100
57 10.1 39.7 59.5#

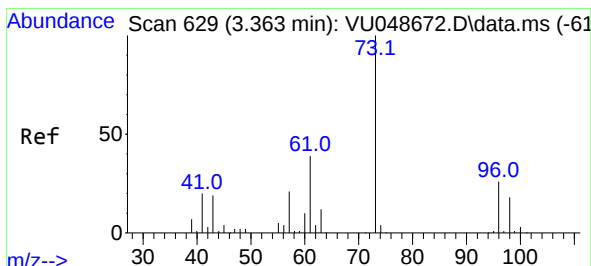
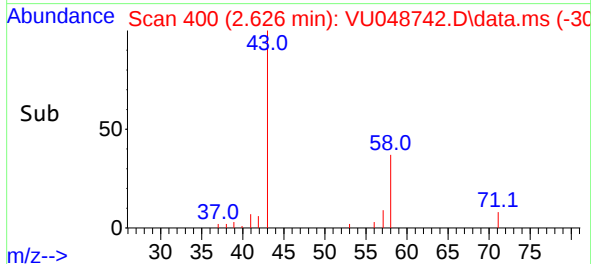
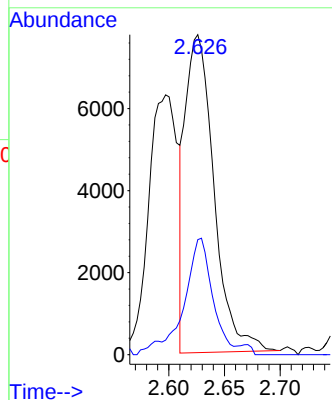
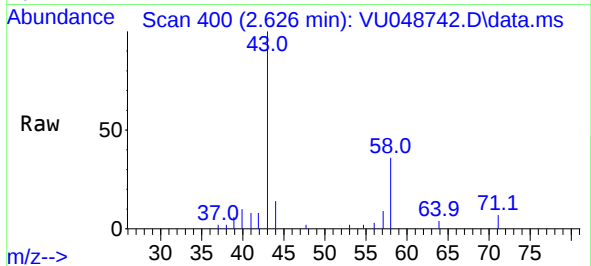




#16
Acetone
Concen: 13.082 ug/l
RT: 2.626 min Scan# 40
Delta R.T. -0.000 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

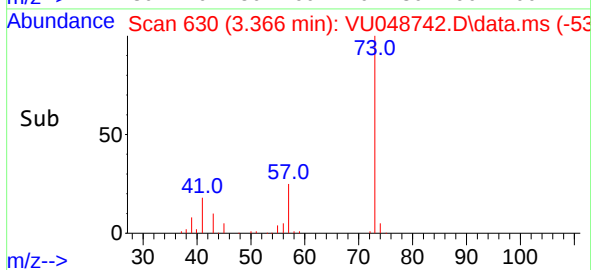
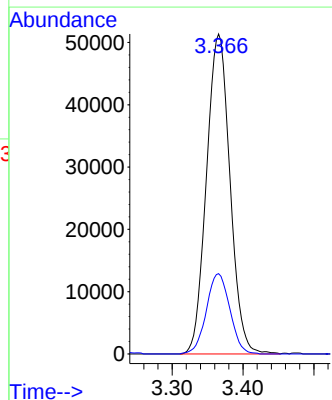
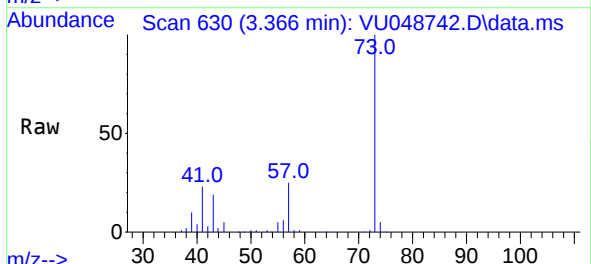
Instrument :
MSVOA_U
ClientSampleId :
TW-5

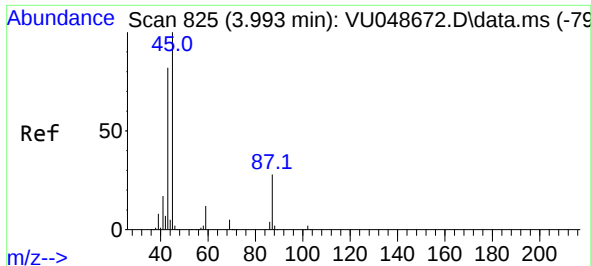
Tgt Ion: 43 Resp: 13895
Ion Ratio Lower Upper
43 100
58 36.4 26.3 39.5



#19
Methyl tert-butyl Ether
Concen: 22.109 ug/l
RT: 3.366 min Scan# 630
Delta R.T. 0.003 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

Tgt Ion: 73 Resp: 118492
Ion Ratio Lower Upper
73 100
57 25.1 17.1 25.7

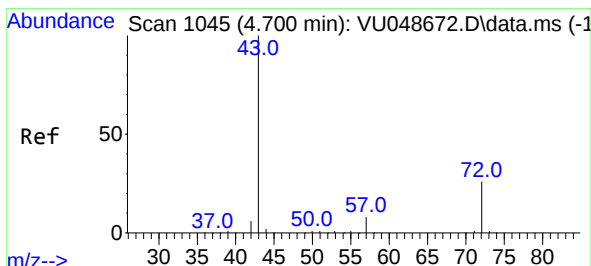
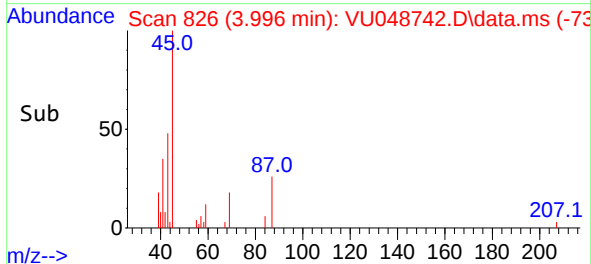
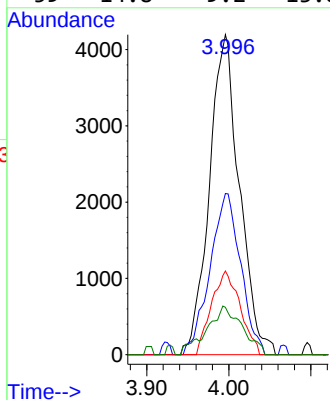
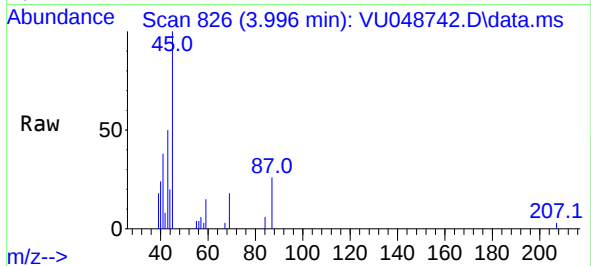




#22
Diisopropyl ether
Concen: 2.120 ug/l
RT: 3.996 min Scan# 81
Delta R.T. 0.003 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

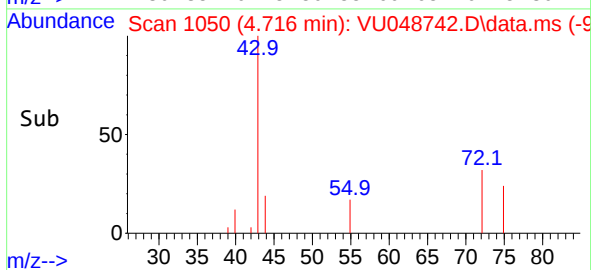
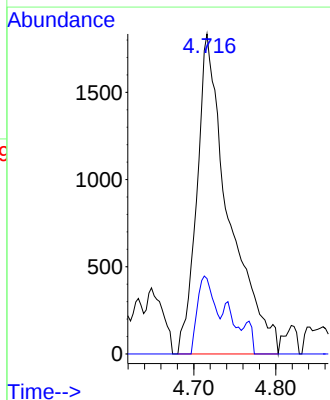
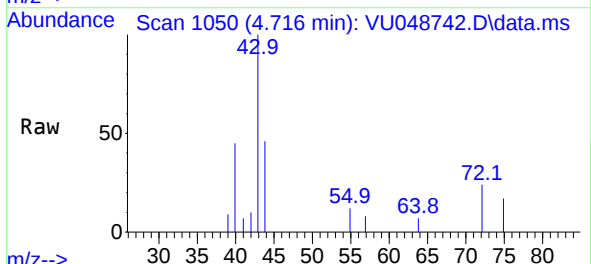
Instrument :
MSVOA_U
ClientSampleId :
TW-5

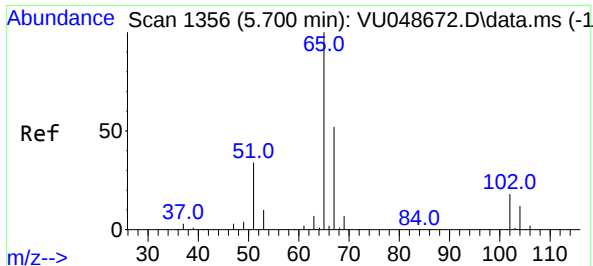
Tgt Ion:	45	Resp:	10700
Ion	Ratio	Lower	Upper
45	100		
43	50.3	65.2	97.8#
87	26.1	22.7	34.1
59	14.8	9.2	13.8#



#25
2-Butanone
Concen: 3.245 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.016 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

Tgt Ion:	43	Resp:	4952
Ion	Ratio	Lower	Upper
43	100		
72	23.5	21.1	31.7

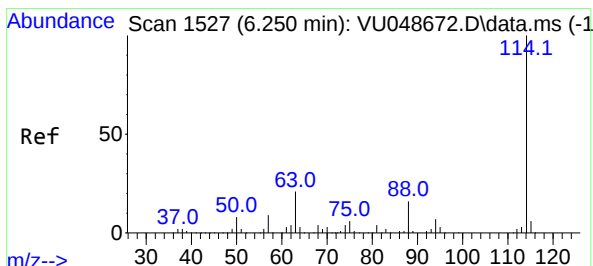
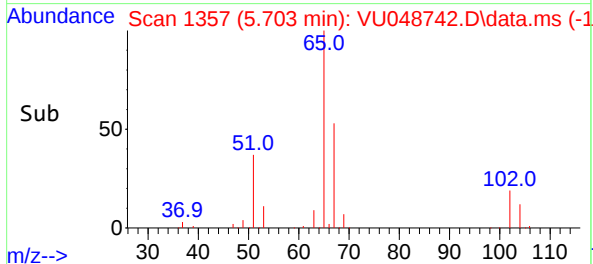
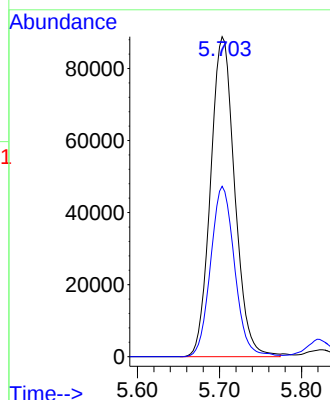
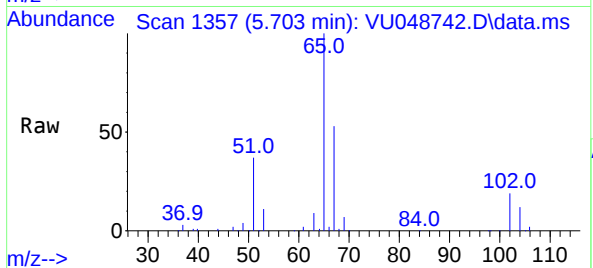




#33
1,2-Dichloroethane-d4
Concen: 87.385 ug/l
RT: 5.703 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

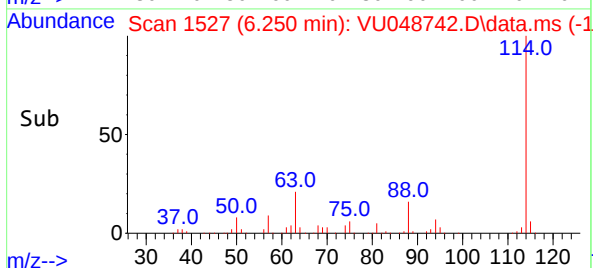
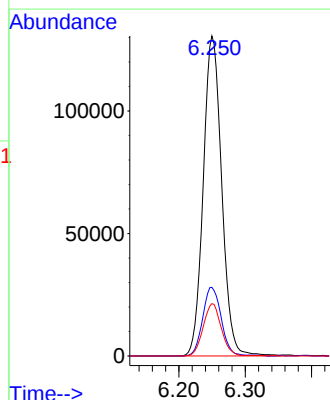
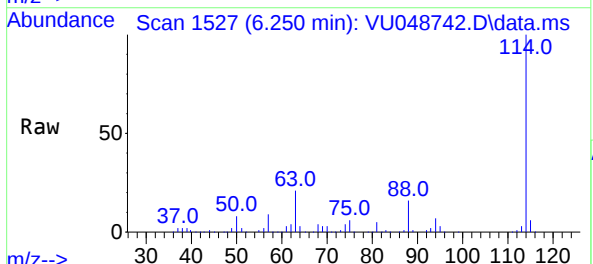
Instrument :
MSVOA_U
ClientSampleId :
TW-5

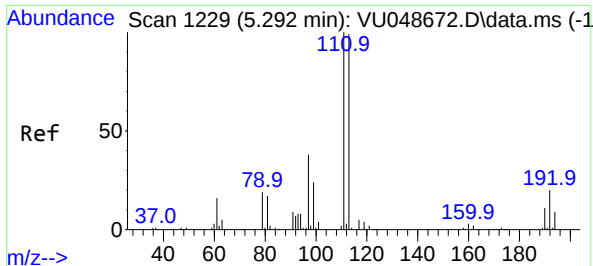
Tgt Ion: 65 Resp: 182124
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 1527
Delta R.T. -0.000 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

Tgt Ion: 114 Resp: 252477
Ion Ratio Lower Upper
114 100
63 21.5 0.0 42.6
88 16.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 78.331 ug/l

RT: 5.292 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048742.D

Acq: 31 May 2022 16:43

Instrument :

MSVOA_U

ClientSampleId :

TW-5

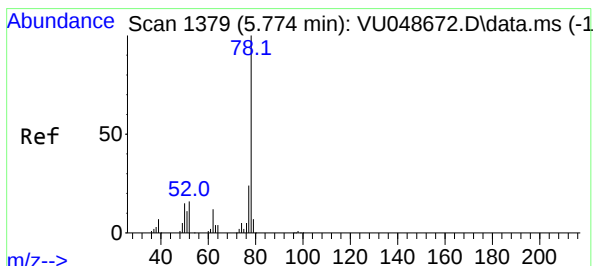
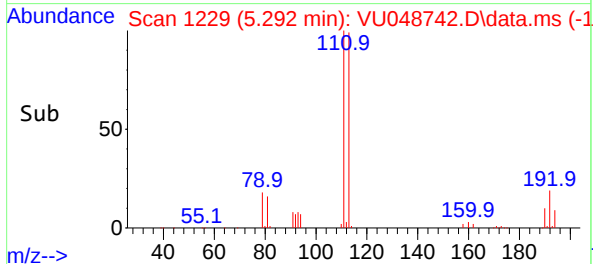
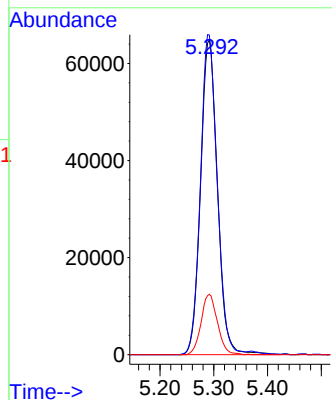
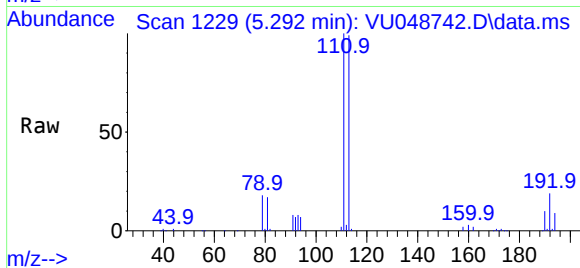
Tgt Ion:113 Resp: 141092

Ion Ratio Lower Upper

113 100

111 101.0 80.7 121.1

192 18.6 15.9 23.9



#40

Benzene

Concen: 36.633 ug/l

RT: 5.774 min Scan# 1379

Delta R.T. -0.000 min

Lab File: VU048742.D

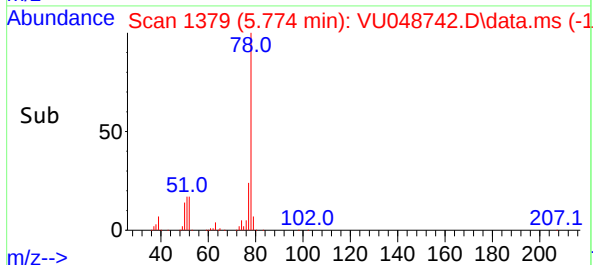
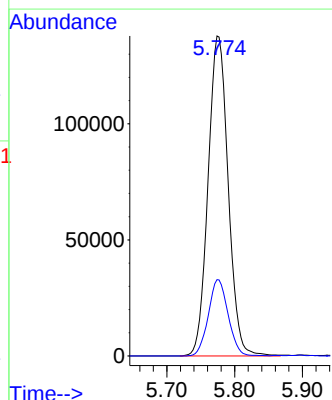
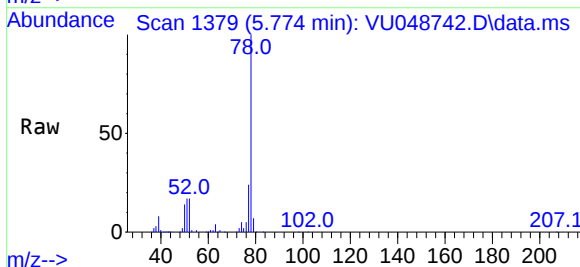
Acq: 31 May 2022 16:43

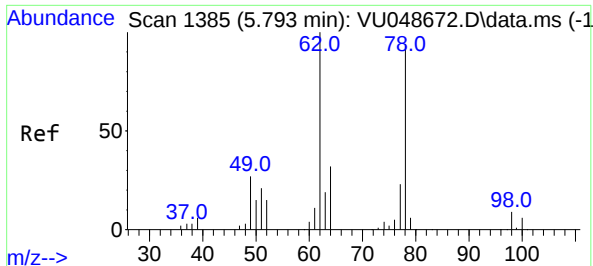
Tgt Ion: 78 Resp: 284313

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.6

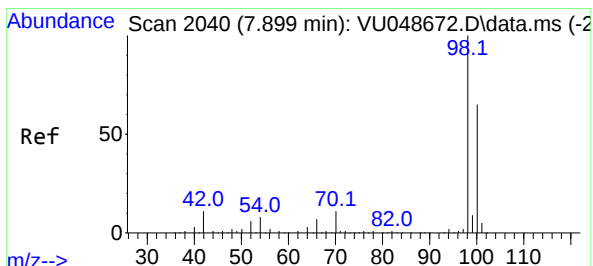
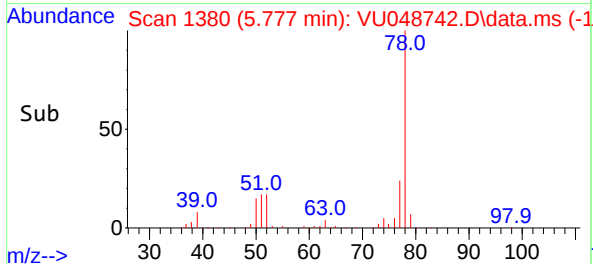
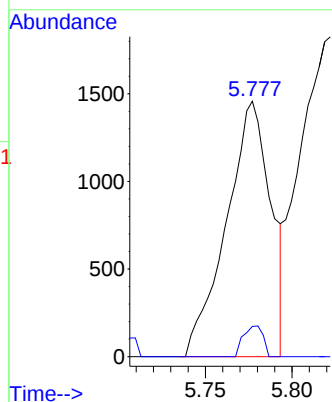
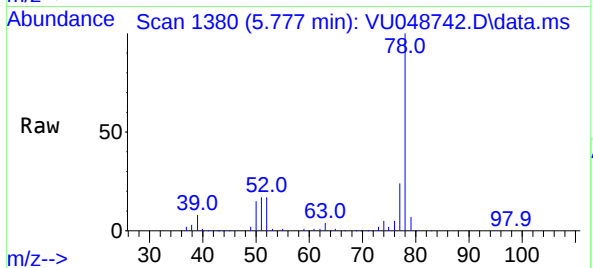




#42
1,2-Dichloroethane
Concen: 0.854 ug/l
RT: 5.777 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

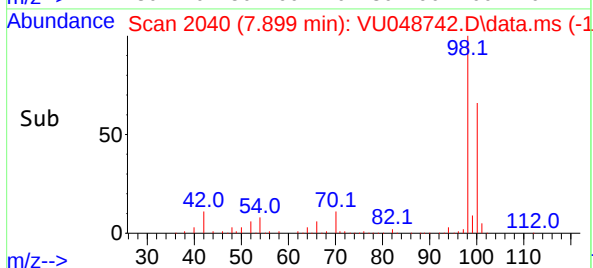
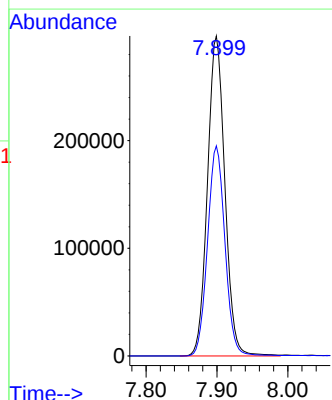
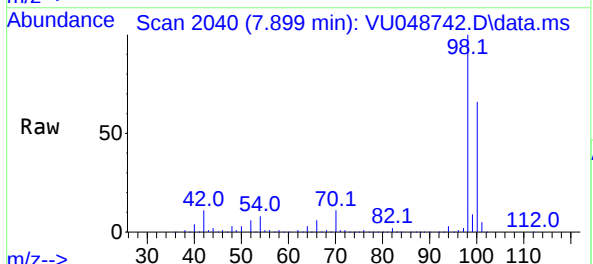
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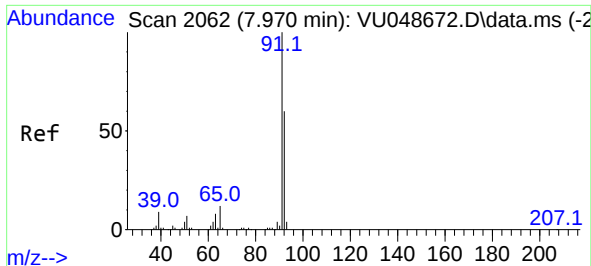
Tgt Ion: 62 Resp: 2595
Ion Ratio Lower Upper
62 100
98 5.3 0.0 17.0



#50
Toluene-d8
Concen: 78.472 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

Tgt Ion: 98 Resp: 506672
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4

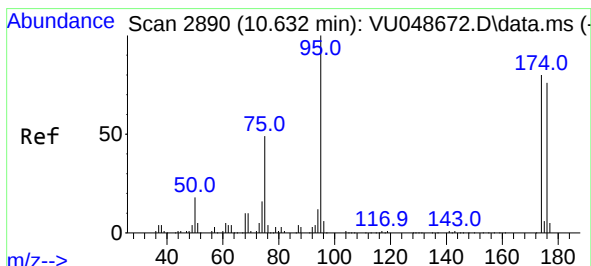
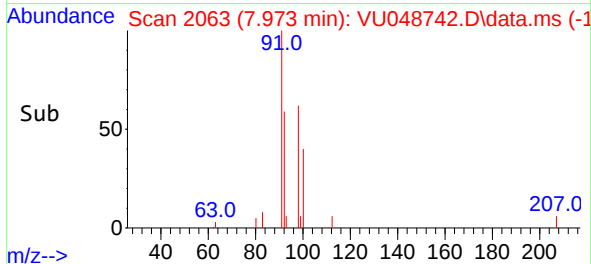
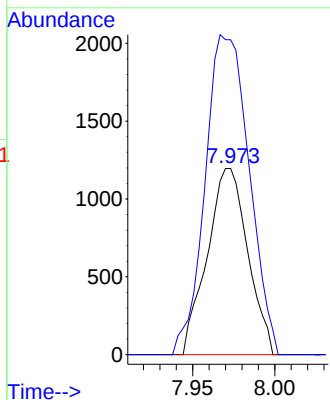
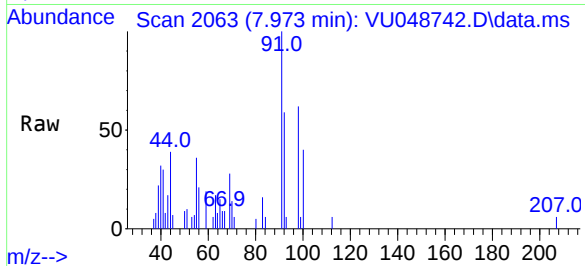




#52
Toluene
Concen: 0.442 ug/l
RT: 7.973 min Scan# 2062
Delta R.T. 0.003 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

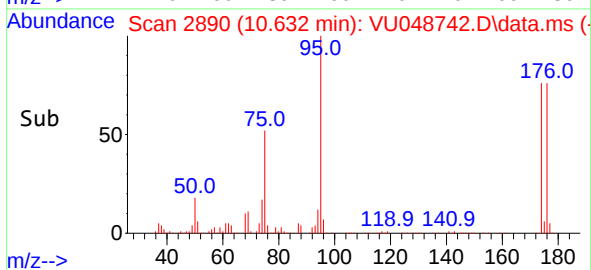
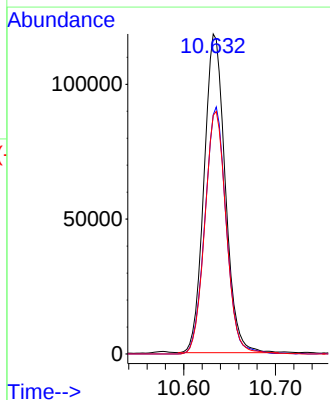
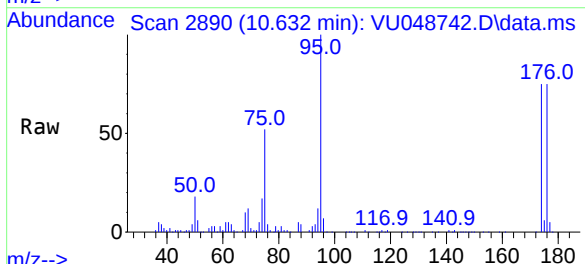
Instrument :
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ClientSampleId :
TW-5

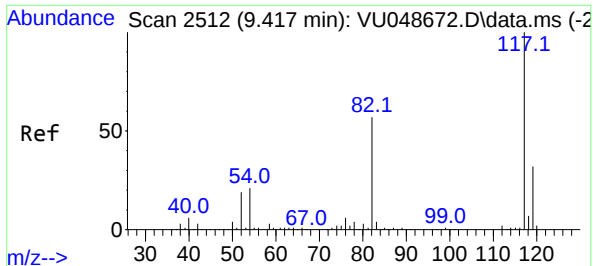
Tgt Ion: 92 Resp: 2051
Ion Ratio Lower Upper
92 100
91 186.7 135.0 202.4



#62
4-Bromofluorobenzene
Concen: 77.635 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

Tgt Ion: 95 Resp: 189575
Ion Ratio Lower Upper
95 100
174 77.9 0.0 159.4
176 77.0 0.0 152.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.420 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU048742.D

Acq: 31 May 2022 16:43

Instrument :

MSVOA_U

ClientSampleId :

TW-5

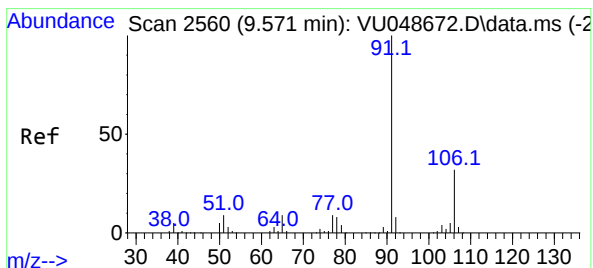
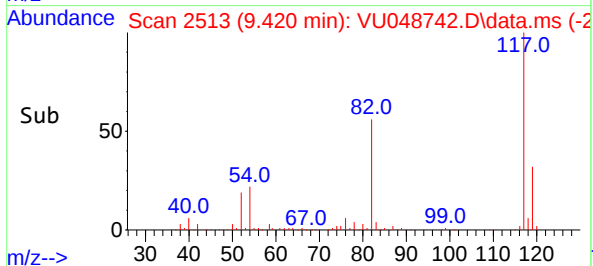
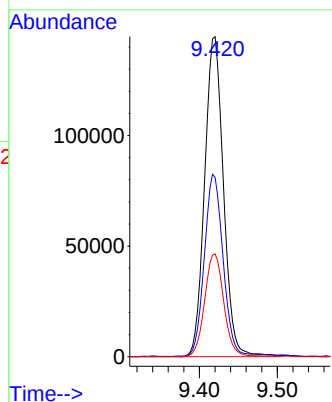
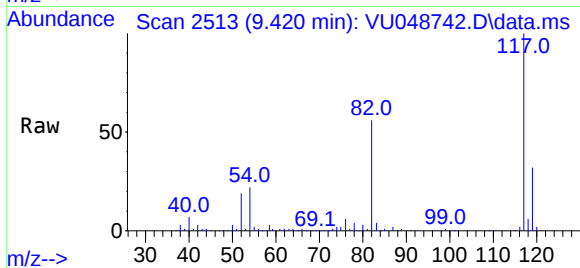
Tgt Ion:117 Resp: 243301

Ion Ratio Lower Upper

117 100

82 55.8 45.3 67.9

119 32.1 25.4 38.2



#67

Ethyl Benzene

Concen: 1.062 ug/l

RT: 9.571 min Scan# 2560

Delta R.T. -0.000 min

Lab File: VU048742.D

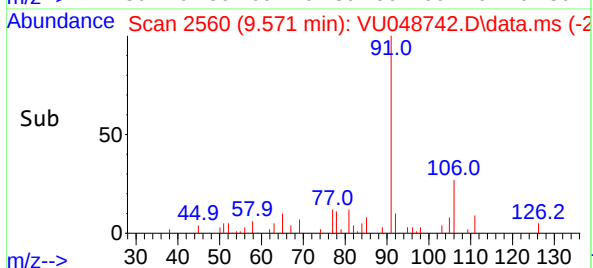
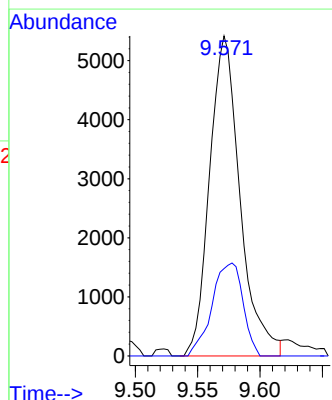
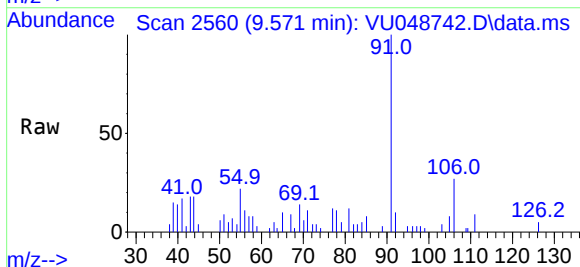
Acq: 31 May 2022 16:43

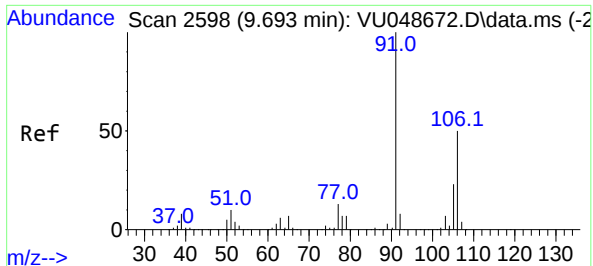
Tgt Ion: 91 Resp: 9221

Ion Ratio Lower Upper

91 100

106 27.3 25.4 38.2

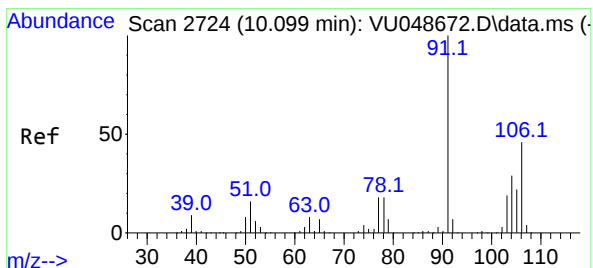
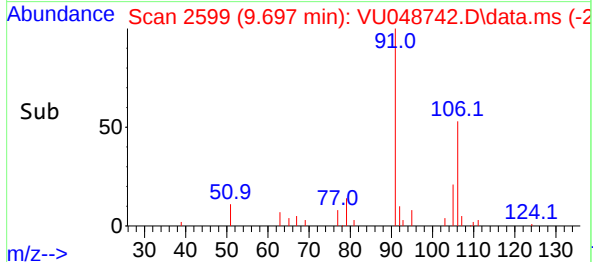
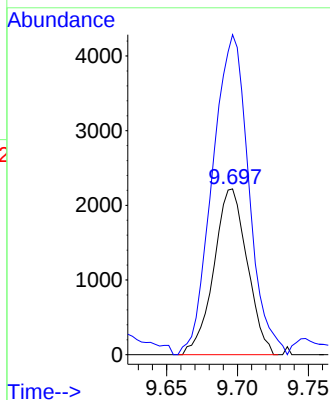
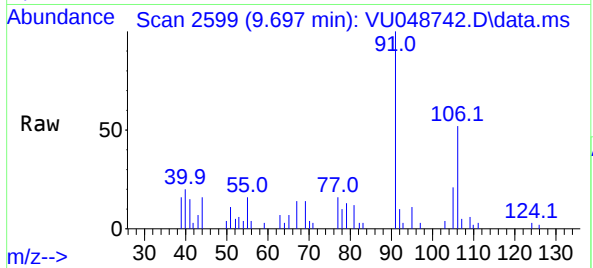




#68
m/p-Xylenes
Concen: 1.071 ug/l
RT: 9.697 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

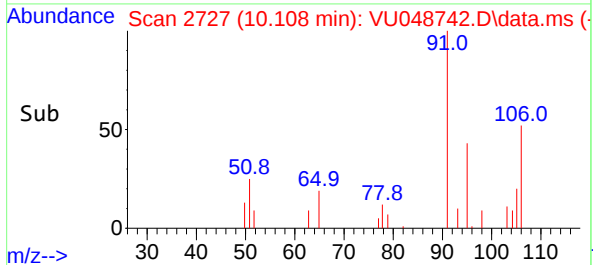
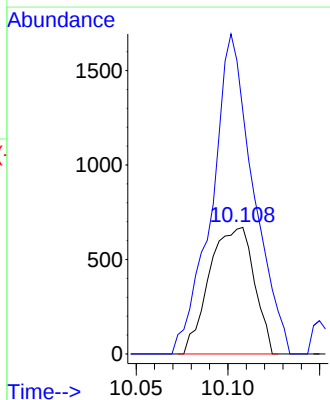
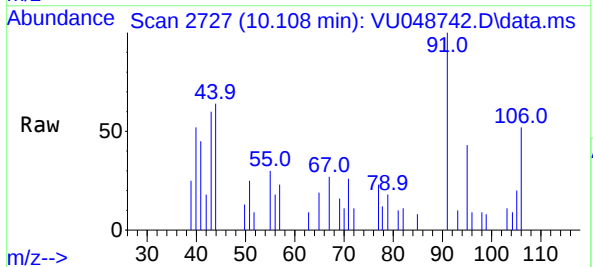
Instrument :
MSVOA_U
ClientSampleId :
TW-5

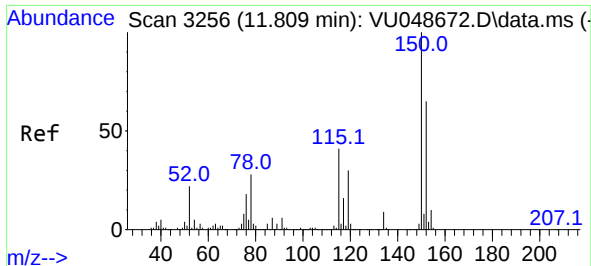
Tgt Ion:106 Resp: 3636
Ion Ratio Lower Upper
106 100
91 210.0 162.4 243.6



#69
o-Xylene
Concen: 0.340 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.009 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

Tgt Ion:106 Resp: 1134
Ion Ratio Lower Upper
106 100
91 234.7 107.7 323.3

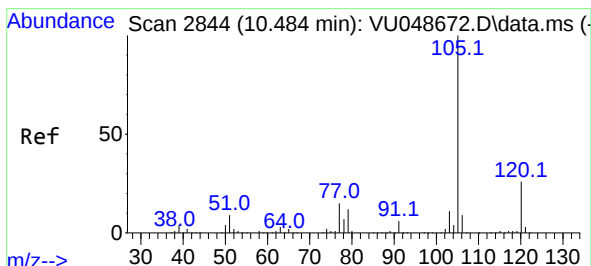
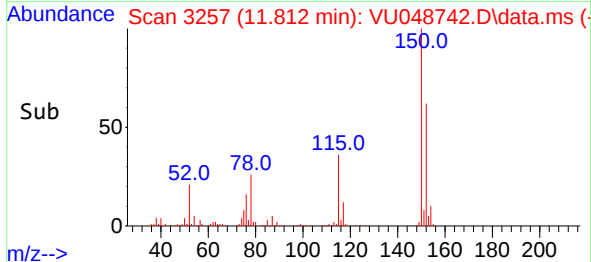
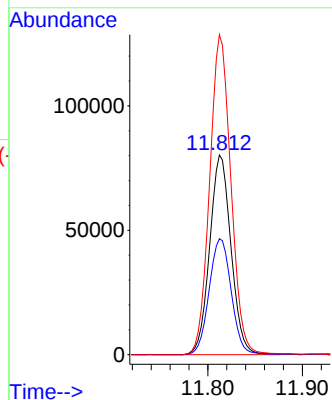
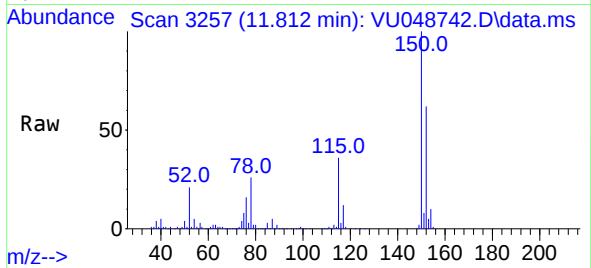




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

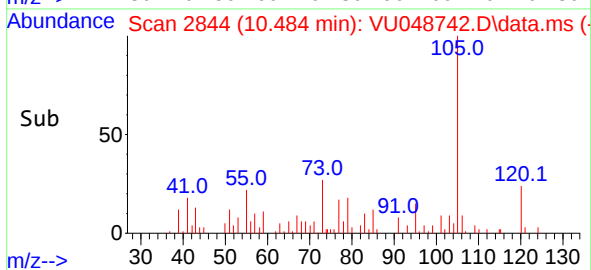
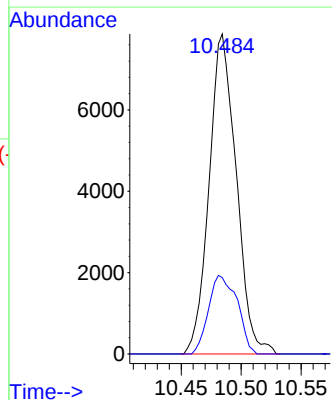
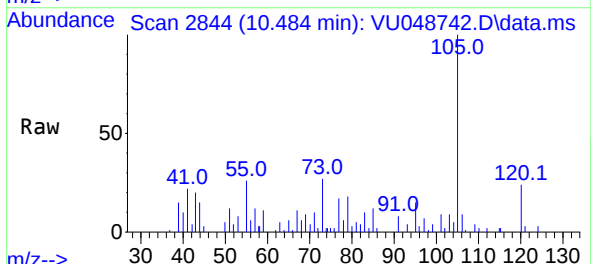
Instrument :
MSVOA_U
ClientSampleId :
TW-5

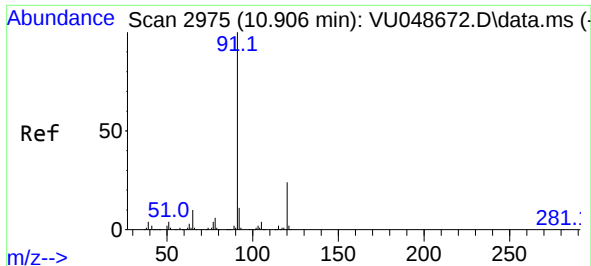
Tgt Ion:152 Resp: 126163
Ion Ratio Lower Upper
152 100
115 60.1 41.8 125.4
150 159.4 0.0 341.0



#73
Isopropylbenzene
Concen: 1.521 ug/l
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

Tgt Ion:105 Resp: 12386
Ion Ratio Lower Upper
105 100
120 25.9 12.9 38.6

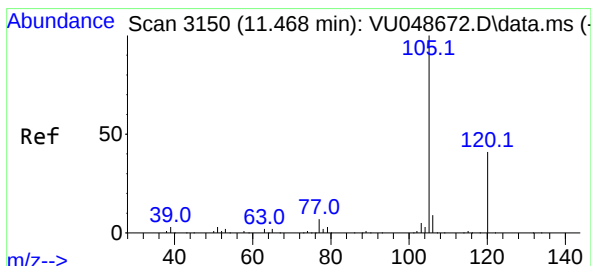
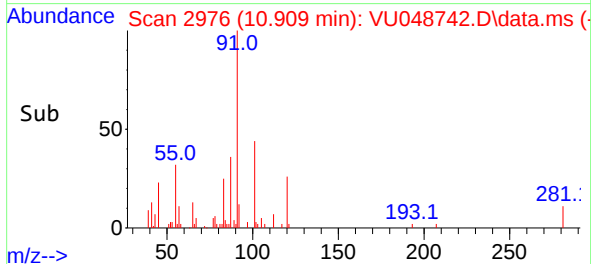
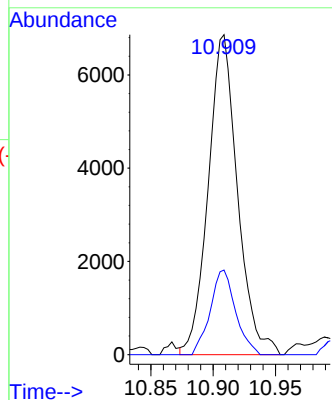
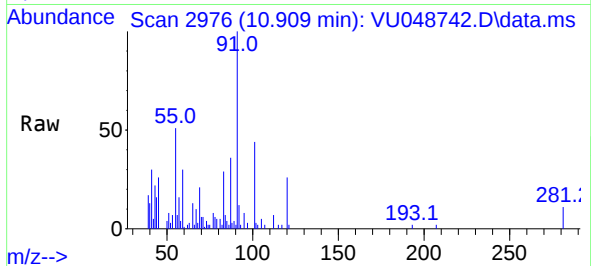




#78
n-propylbenzene
Concen: 1.158 ug/l
RT: 10.909 min Scan# 2975
Delta R.T. 0.003 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

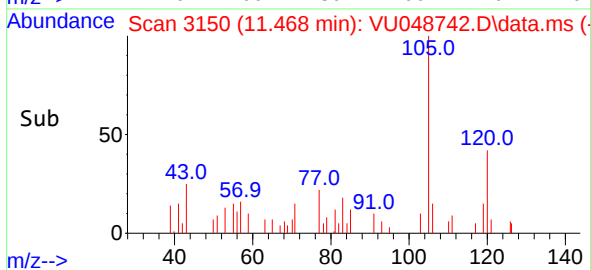
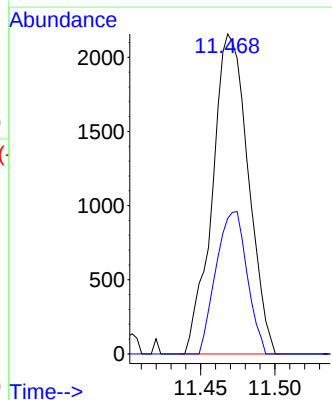
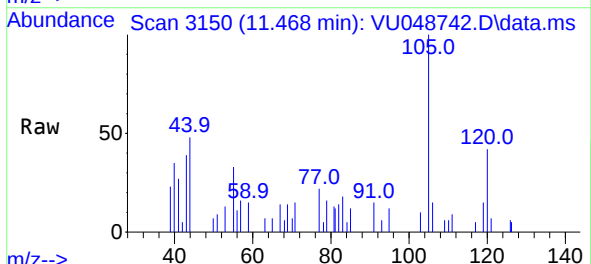
Instrument :
MSVOA_U
ClientSampleId :
TW-5

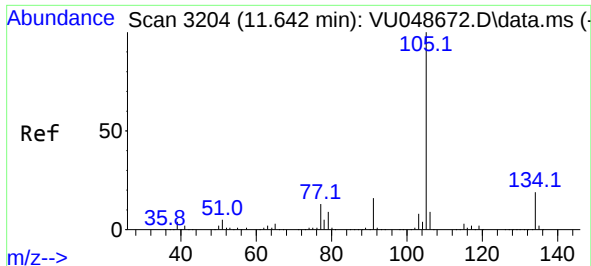
Tgt Ion: 91 Resp: 11236
Ion Ratio Lower Upper
91 100
120 22.9 11.6 34.7



#84
1,2,4-Trimethylbenzene
Concen: 1.650 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048742.D
Acq: 31 May 2022 16:43

Tgt Ion: 105 Resp: 3622
Ion Ratio Lower Upper
105 100
120 38.3 22.5 67.5

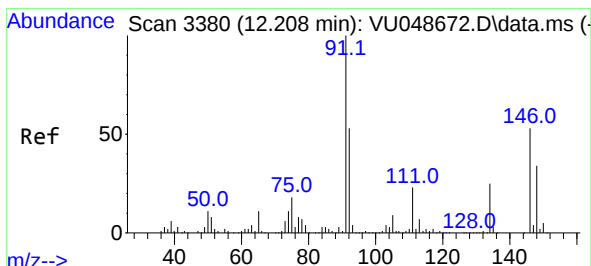
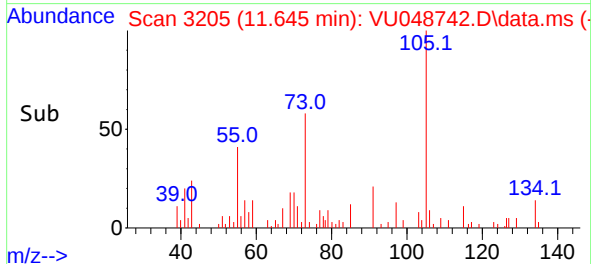
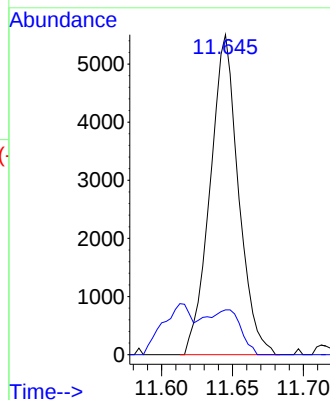
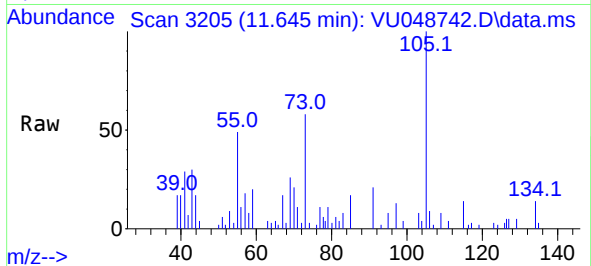




#85
 sec-Butylbenzene
 Concen: 0.903 ug/l
 RT: 11.645 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU048742.D
 Acq: 31 May 2022 16:43

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-5

Tgt Ion:105 Resp: 7676
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#



#89
 n-Butylbenzene
 Concen: 2.460 ug/l
 RT: 12.211 min Scan# 3381
 Delta R.T. 0.003 min
 Lab File: VU048742.D
 Acq: 31 May 2022 16:43

Tgt Ion: 91 Resp: 2100
 Ion Ratio Lower Upper
 91 100
 92 29.1 25.9 77.8
 134 0.0 12.5 37.5#

