

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048723.D
 Acq On : 28 May 2022 03:58
 Operator : SY/MD
 Sample : N3033-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-22

Quant Time: May 30 03:01:18 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)

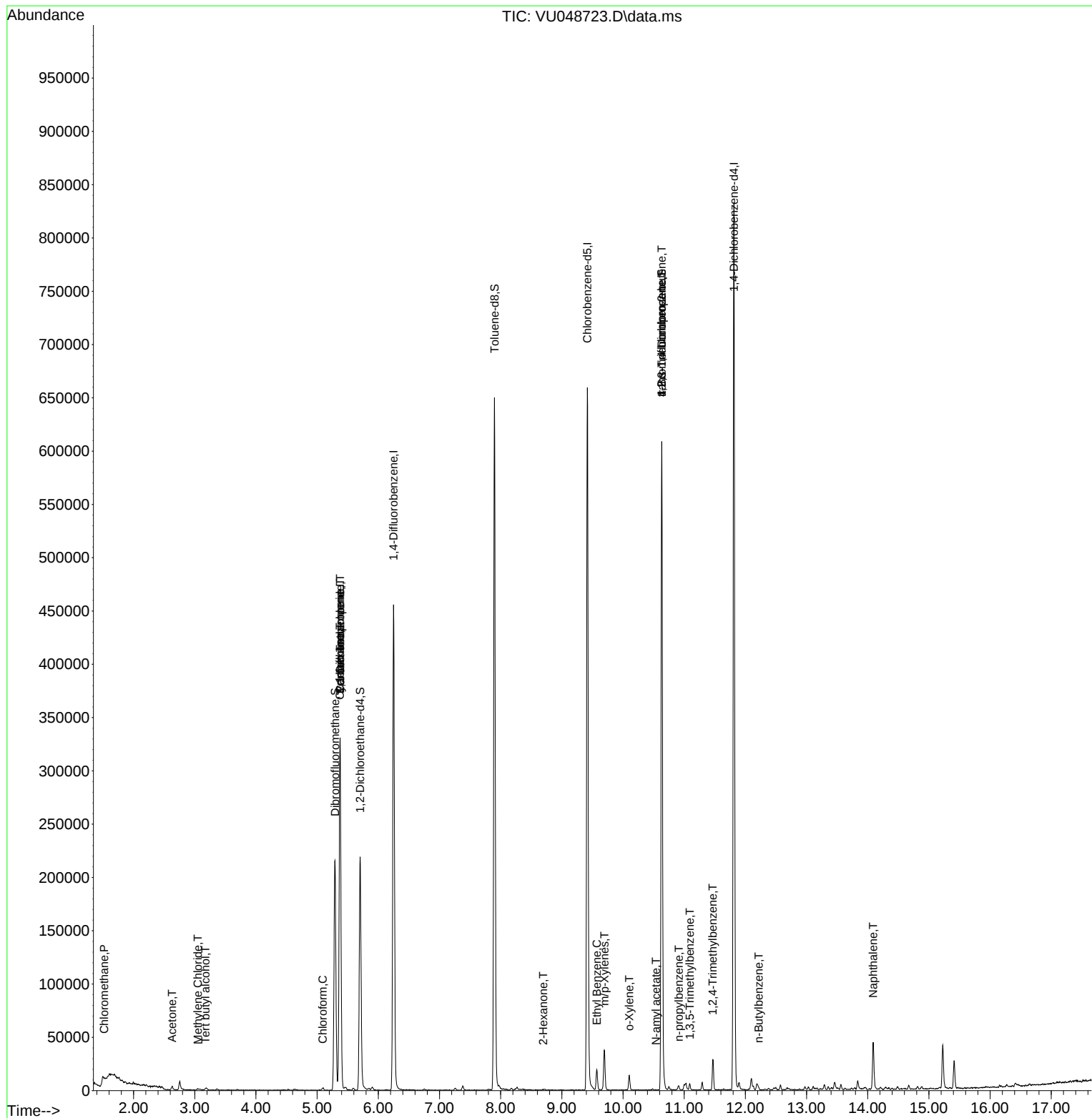
Internal Standards						
1) Pentafluorobenzene	5.375	168	225214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	374378	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	377300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	227542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	168359	49.777	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.560%		
35) Dibromofluoromethane	5.292	113	143324	53.661	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.320%		
50) Toluene-d8	7.899	98	438797	45.831	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.660%#		
62) 4-Bromofluorobenzene	10.632	95	210396	58.106	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	116.220%		
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	908	0.274	ug/l	97
5) Bromomethane	1.736	94	19	Below Cal	#	3
6) Chloroethane	1.839	64	436	Below Cal	#	87
11) Tert butyl alcohol	3.176	59	756	0.882	ug/l #	28
13) Acrolein	2.366	56	51	Below Cal	#	14
16) Acetone	2.630	43	3636	2.109	ug/l	98
20) Methylene Chloride	3.048	84	621	0.212	ug/l #	73
30) Chloroform	5.093	83	2146	0.417	ug/l #	77
31) Cyclohexane	5.372	56	4848	1.137	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	17488	4.486	ug/l #	49
38) Carbon Tetrachloride	5.375	117	23255	5.200	ug/l #	18
59) 2-Hexanone	8.697	43	808	0.212	ug/l #	58
67) Ethyl Benzene	9.571	91	14386	1.069	ug/l	95
68) m/p-Xylenes	9.697	106	11273	2.142	ug/l	100
69) o-Xylene	10.102	106	3624	0.701	ug/l	92
74) N-amyl acetate	10.539	43	40	2.472	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	106825	14.561	ug/l #	47
78) n-propylbenzene	10.912	91	3617	0.207	ug/l	95
80) 1,3,5-Trimethylbenzene	11.092	105	3286	0.257	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.632	75	106825	52.868	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	16695	2.371	ug/l	95
89) n-Butylbenzene	12.218	91	2226	2.347	ug/l #	69
95) Naphthalene	14.089	128	38279	4.562	ug/l	99

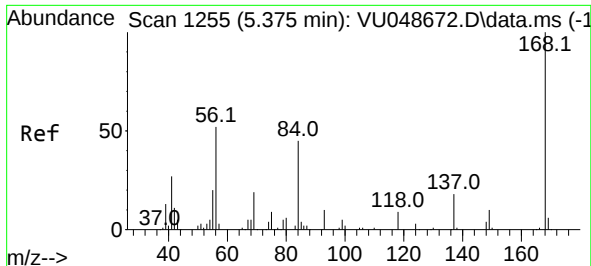
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 30 03:01:18 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

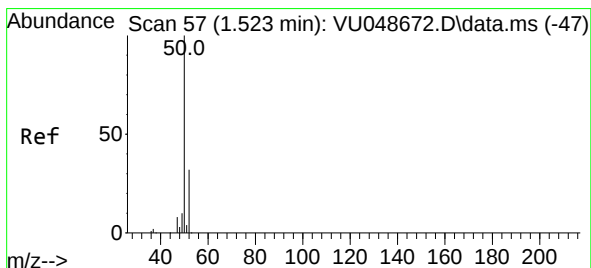
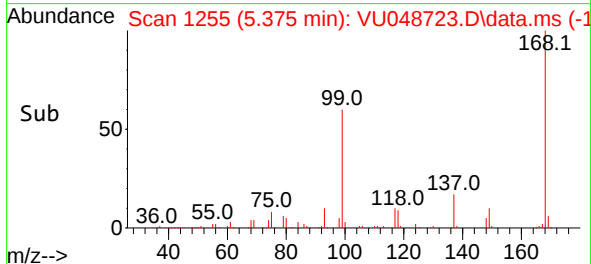
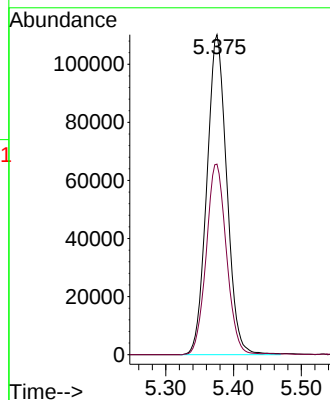
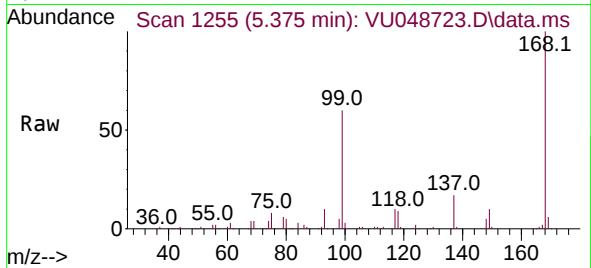




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

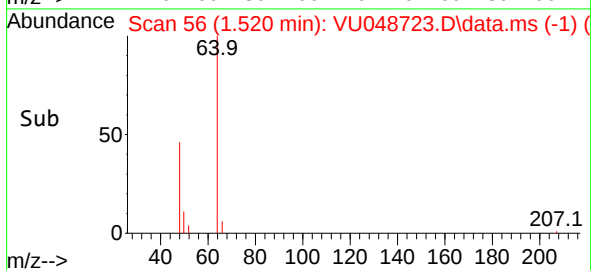
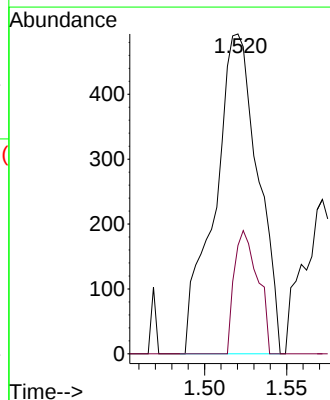
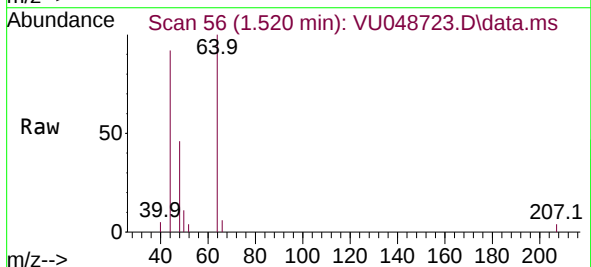
Instrument :
MSVOA_U
ClientSampleId :
TW-22

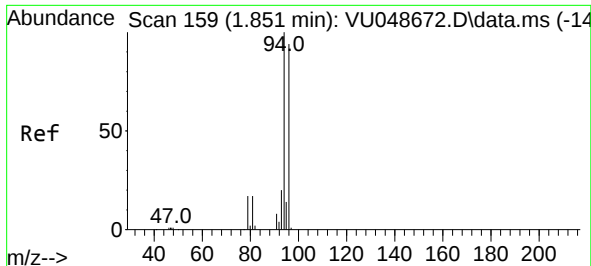
Tgt Ion:168 Resp: 225214
Ion Ratio Lower Upper
168 100
99 59.6 49.3 73.9



#3
Chloromethane
Concen: 0.274 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

Tgt Ion: 50 Resp: 908
Ion Ratio Lower Upper
50 100
52 33.9 25.7 38.5

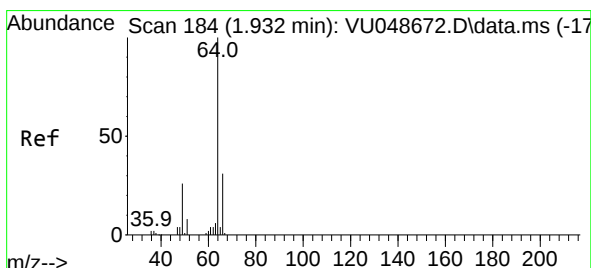
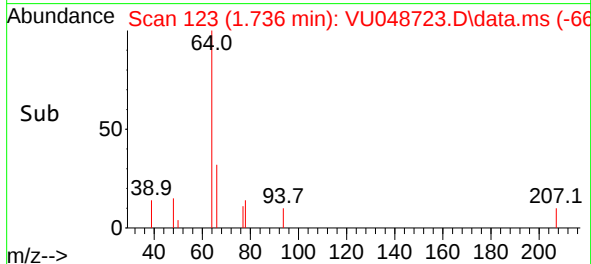
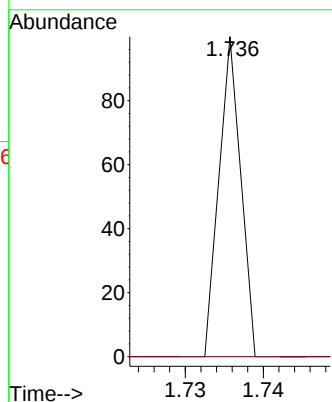
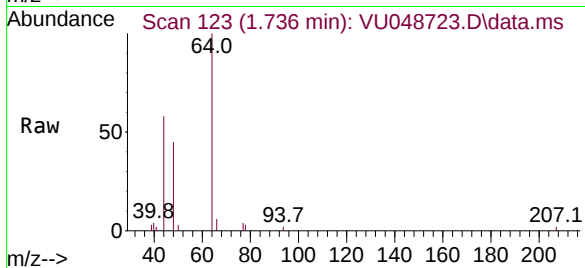




#5
Bromomethane
Concen: Below Cal
RT: 1.736 min Scan# 11
Delta R.T. -0.115 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

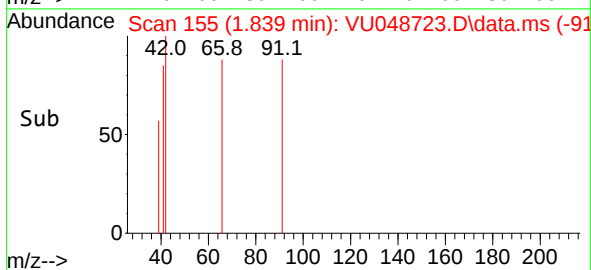
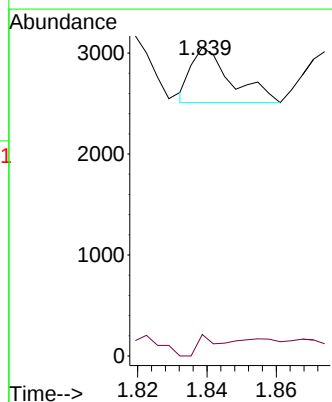
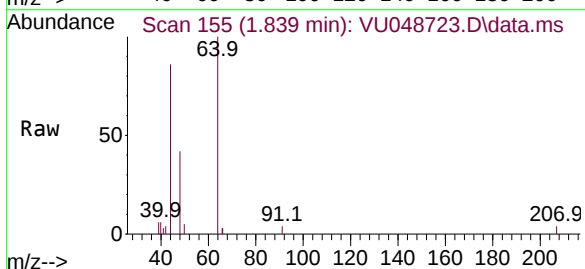
Instrument :
MSVOA_U
ClientSampleId :
TW-22

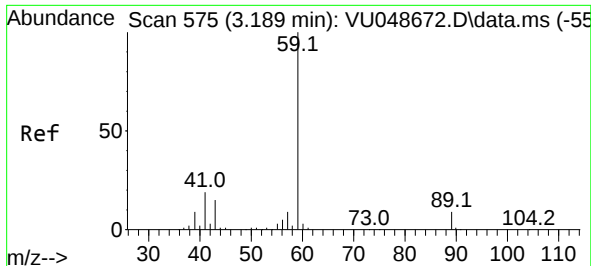
Tgt Ion: 94 Resp: 19
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.839 min Scan# 155
Delta R.T. -0.093 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

Tgt Ion: 64 Resp: 436
Ion Ratio Lower Upper
64 100
66 38.9 25.2 37.8#

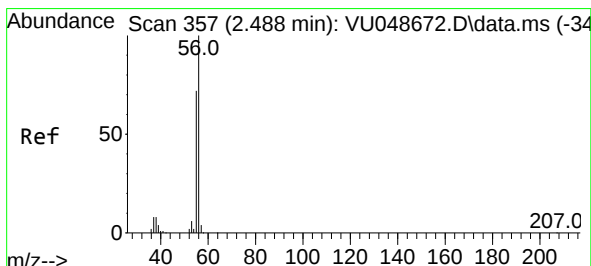
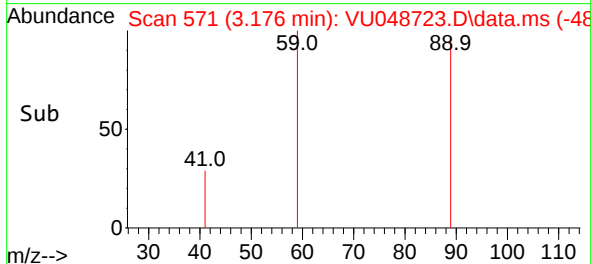
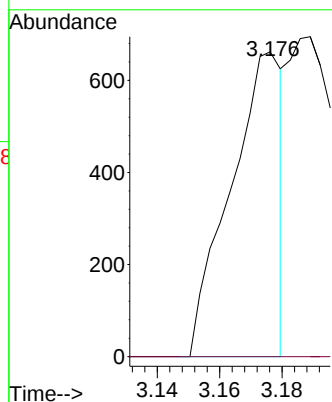
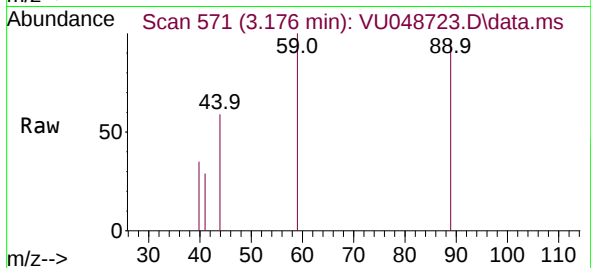




#11
Tert butyl alcohol
Concen: 0.882 ug/l
RT: 3.176 min Scan# 51
Delta R.T. -0.013 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

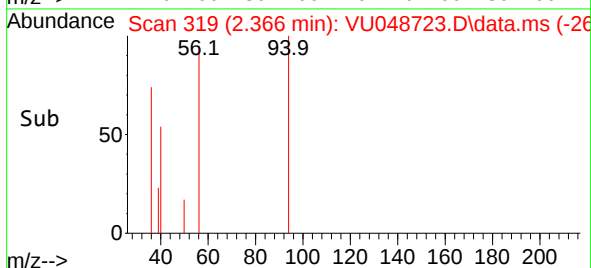
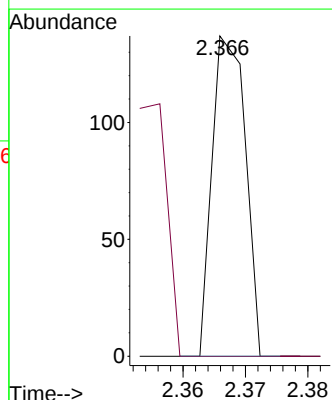
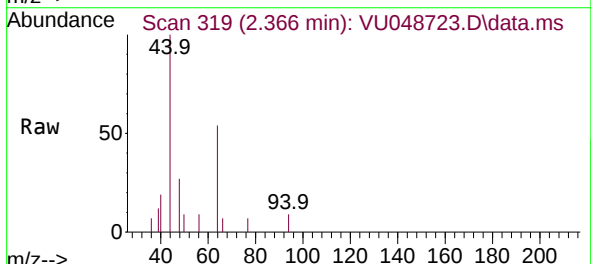
Instrument :
MSVOA_U
ClientSampleId :
TW-22

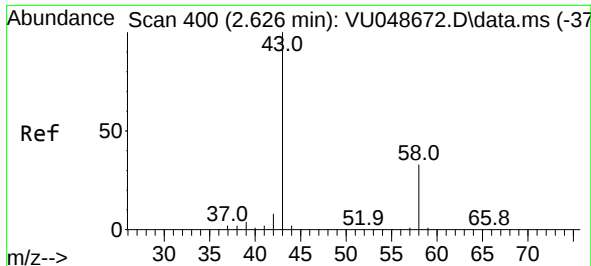
Tgt Ion: 59 Resp: 756
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.366 min Scan# 319
Delta R.T. -0.122 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#





#16

Acetone

Concen: 2.109 ug/l

RT: 2.630 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU048723.D

Acq: 28 May 2022 03:58

Instrument :

MSVOA_U

ClientSampleId :

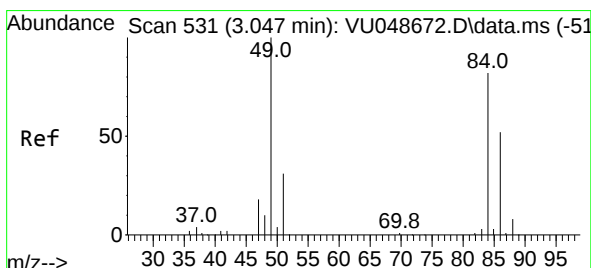
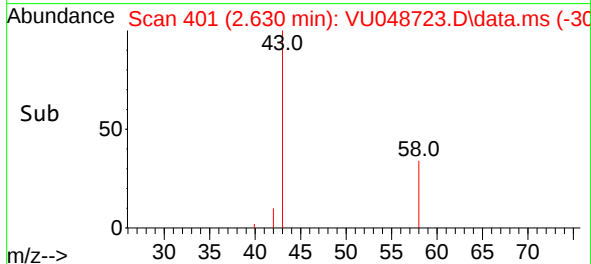
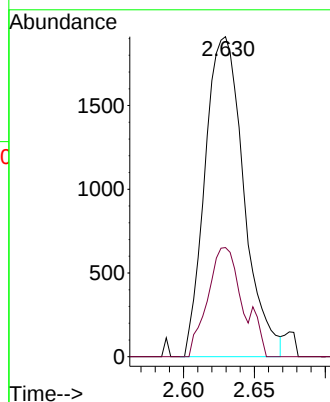
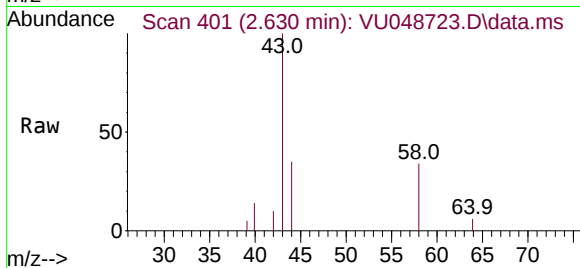
TW-22

Tgt Ion: 43 Resp: 3636

Ion Ratio Lower Upper

43 100

58 34.1 26.3 39.5



#20

Methylene Chloride

Concen: 0.212 ug/l

RT: 3.048 min Scan# 531

Delta R.T. 0.000 min

Lab File: VU048723.D

Acq: 28 May 2022 03:58

Tgt Ion: 84 Resp: 621

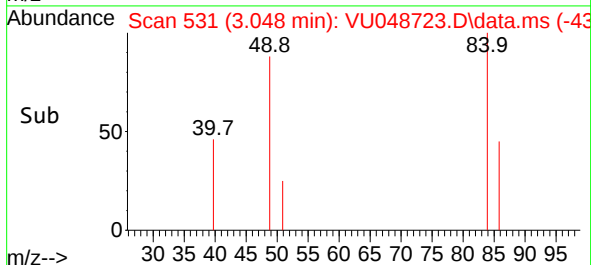
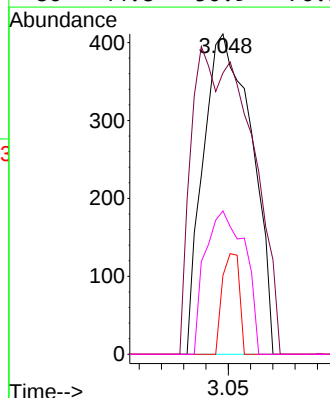
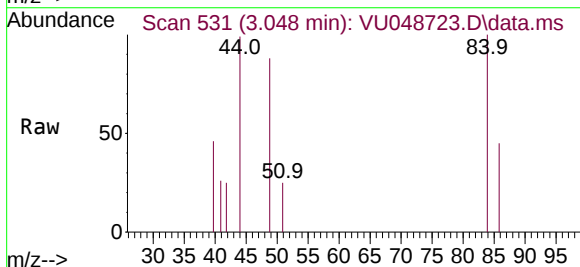
Ion Ratio Lower Upper

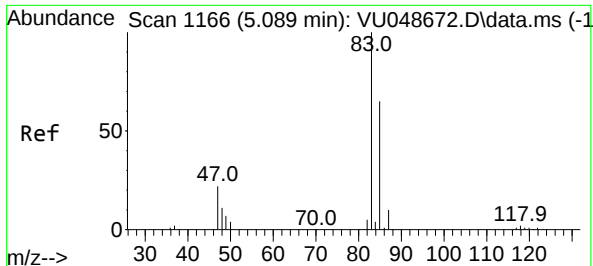
84 100

49 87.8 97.0 145.4#

51 24.6 29.8 44.8#

86 44.8 50.9 76.3#





#30

Chloroform

Concen: 0.417 ug/l

RT: 5.093 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU048723.D

Acq: 28 May 2022 03:58

Instrument :

MSVOA_U

ClientSampleId :

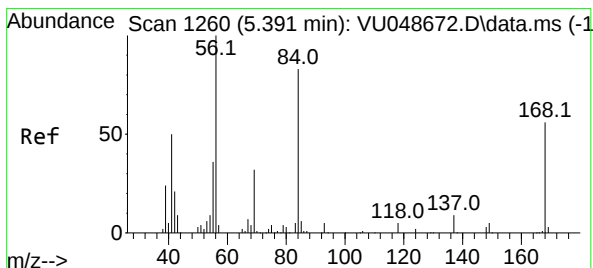
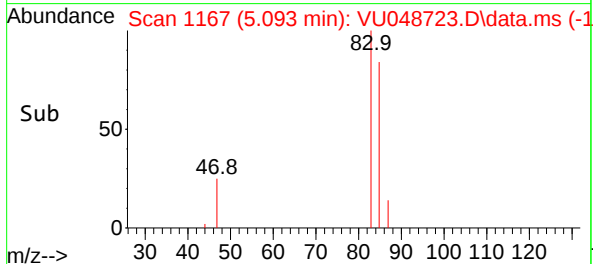
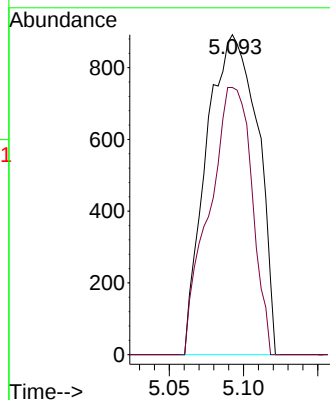
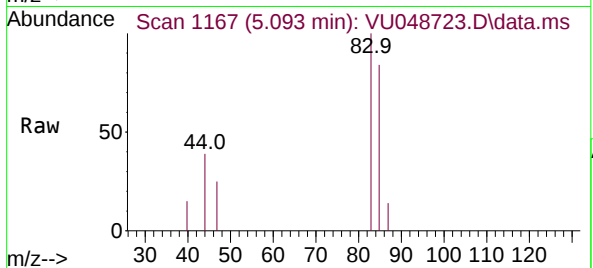
TW-22

Tgt Ion: 83 Resp: 2146

Ion Ratio Lower Upper

83 100

85 83.5 52.2 78.2#



#31

Cyclohexane

Concen: 1.137 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048723.D

Acq: 28 May 2022 03:58

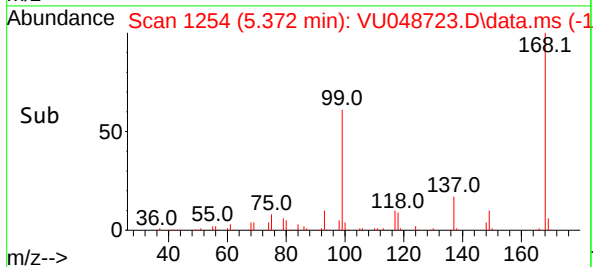
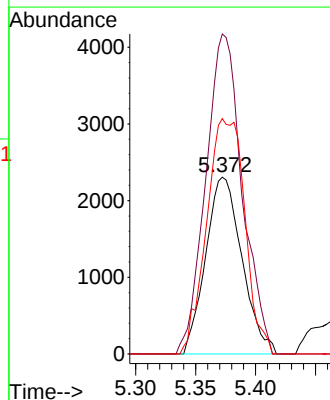
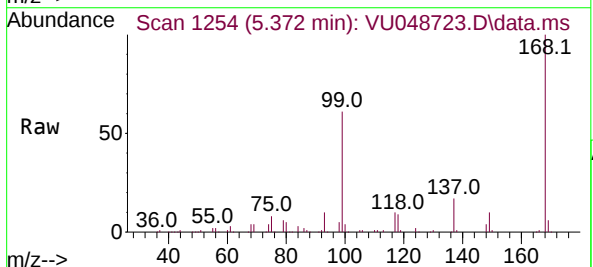
Tgt Ion: 56 Resp: 4848

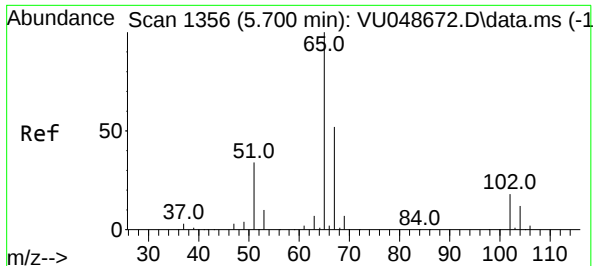
Ion Ratio Lower Upper

56 100

69 180.9 25.6 38.4#

84 133.1 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 49.777 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048723.D

Acq: 28 May 2022 03:58

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ClientSampleId :

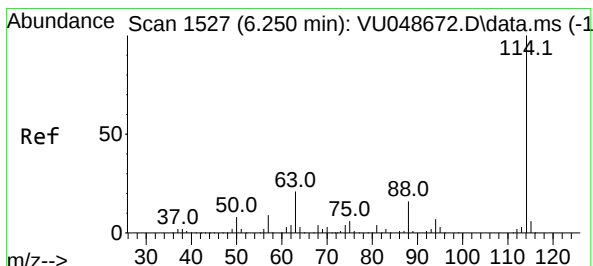
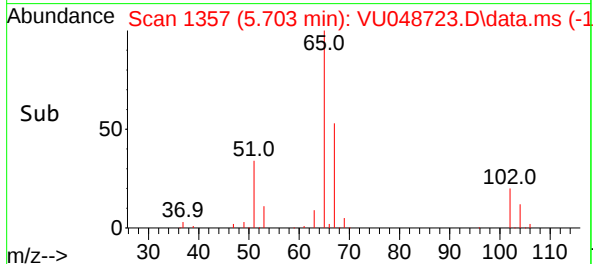
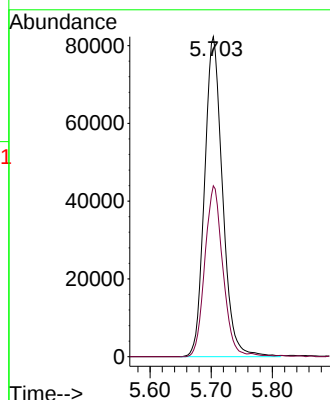
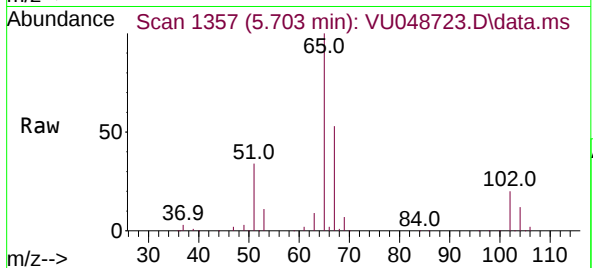
TW-22

Tgt Ion: 65 Resp: 168359

Ion Ratio Lower Upper

65 100

67 53.1 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: VU048723.D

Acq: 28 May 2022 03:58

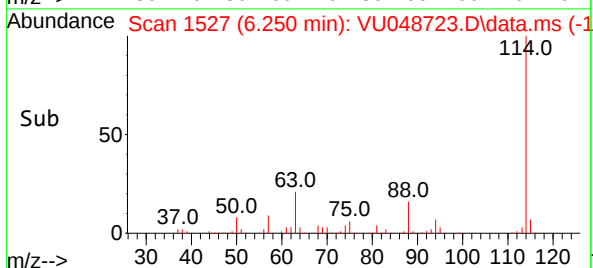
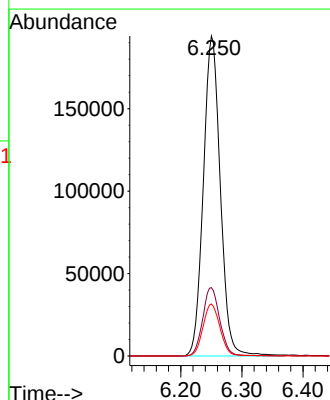
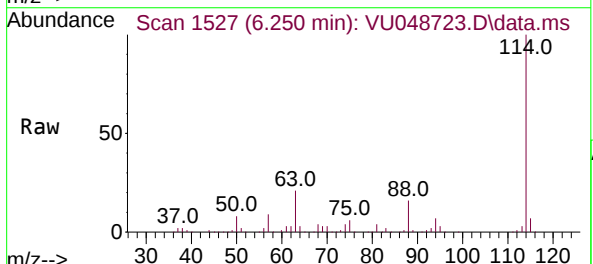
Tgt Ion: 114 Resp: 374378

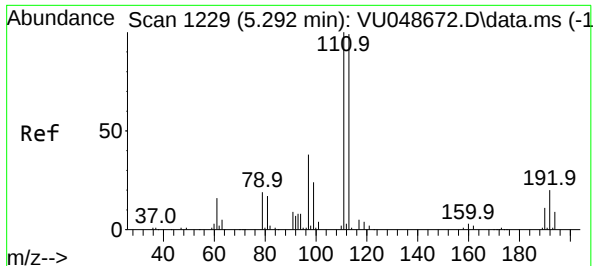
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

88 16.2 0.0 32.2

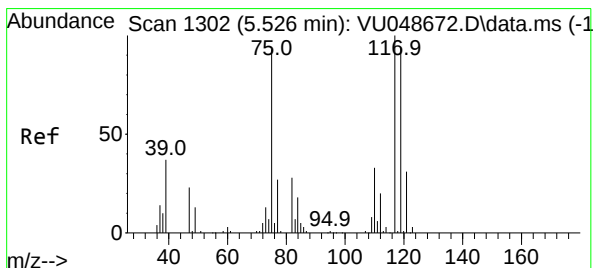
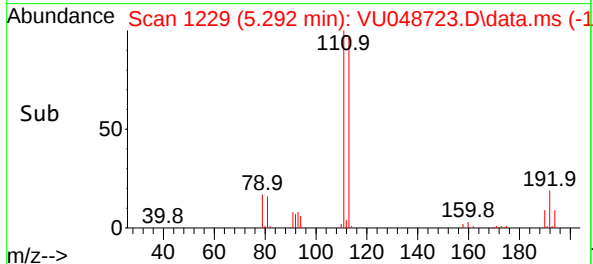
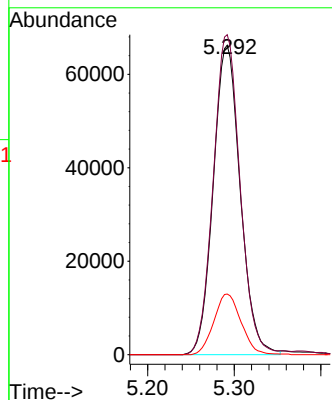
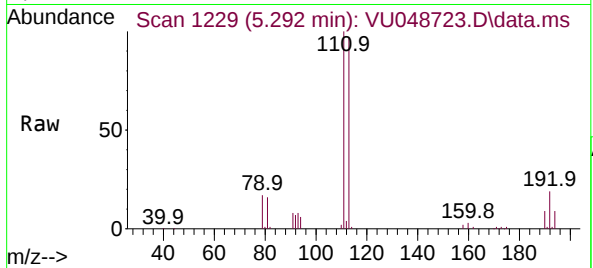




#35
Dibromofluoromethane
Concen: 53.661 ug/l
RT: 5.292 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

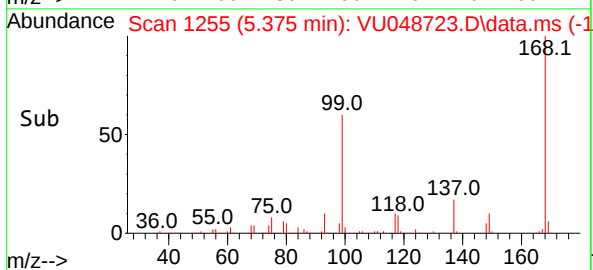
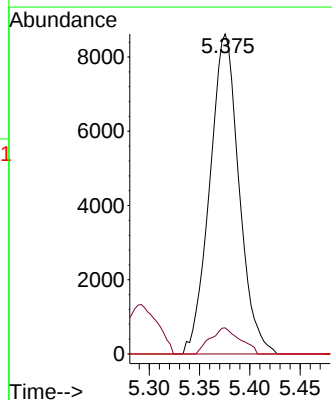
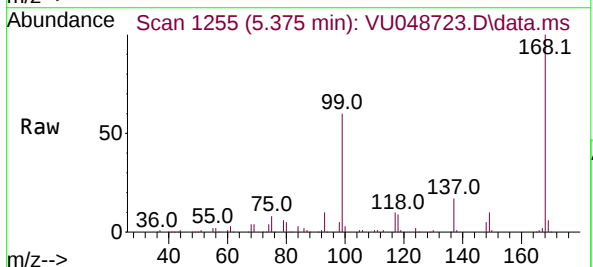
Instrument :
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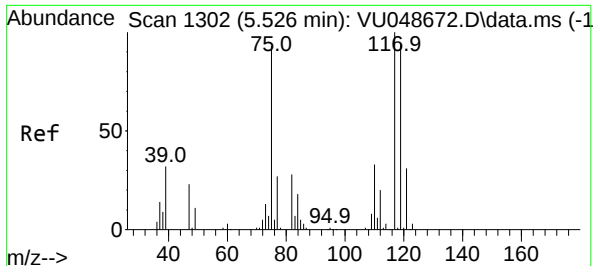
Tgt Ion:113 Resp: 143324
Ion Ratio Lower Upper
113 100
111 103.3 80.7 121.1
192 19.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.486 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

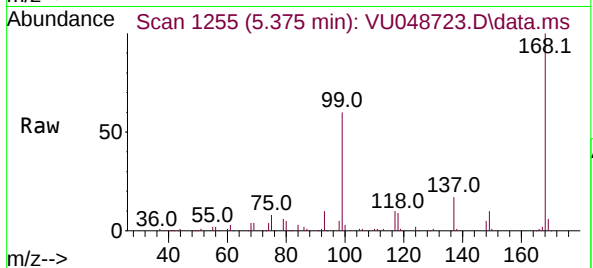
Tgt Ion: 75 Resp: 17488
Ion Ratio Lower Upper
75 100
110 8.3 17.4 52.3#
77 0.0 24.8 37.2#



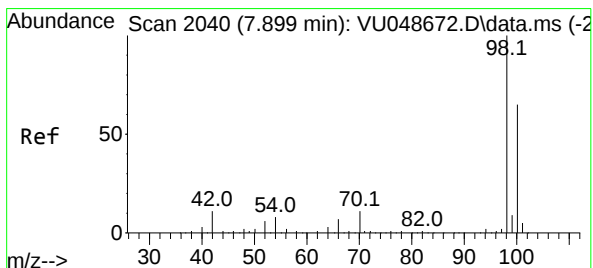
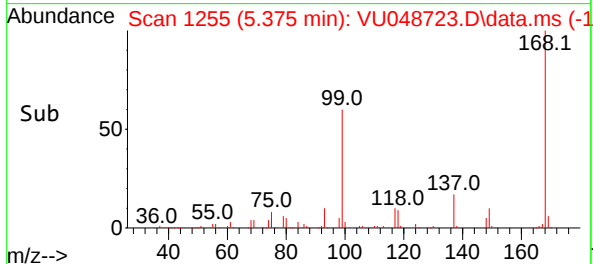
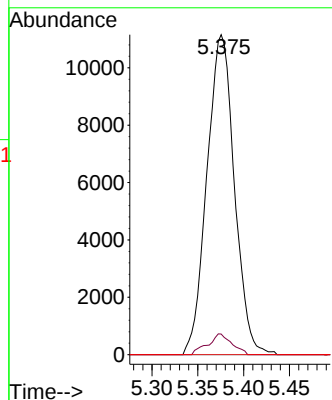


#38
Carbon Tetrachloride
Concen: 5.200 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

Instrument :
MSVOA_U
ClientSampleId :
TW-22

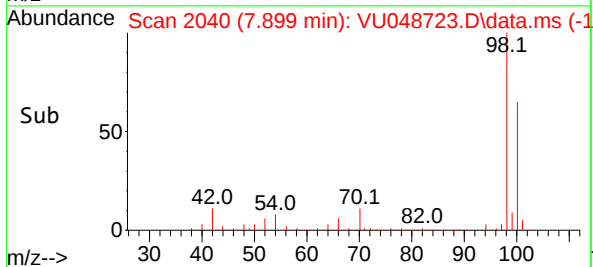
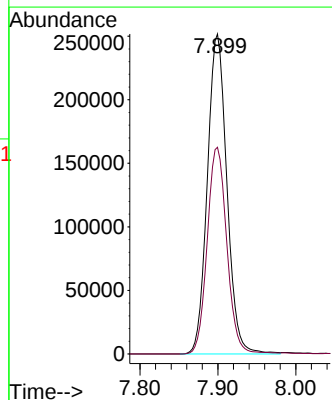
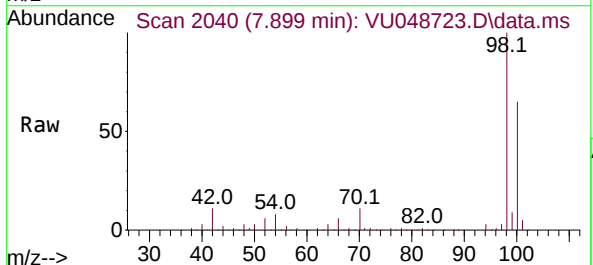


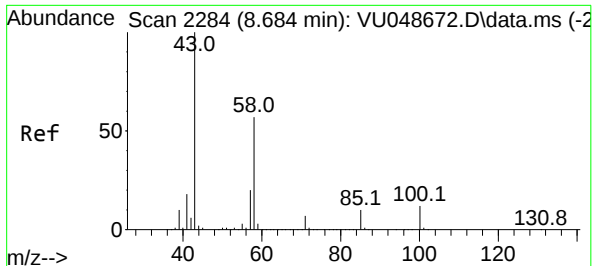
Tgt Ion:117 Resp: 23255
Ion Ratio Lower Upper
117 100
119 6.5 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 45.831 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

Tgt Ion: 98 Resp: 438797
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4





#59

2-Hexanone

Concen: 0.212 ug/l

RT: 8.697 min Scan# 21

Delta R.T. 0.013 min

Lab File: VU048723.D

Acq: 28 May 2022 03:58

Instrument :

MSVOA_U

ClientSampleId :

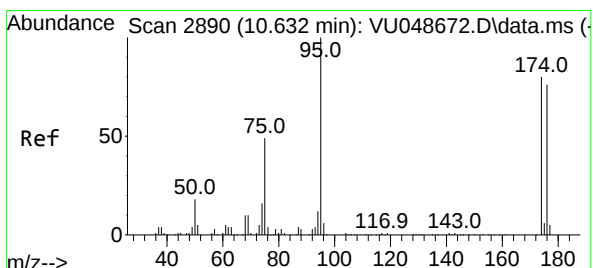
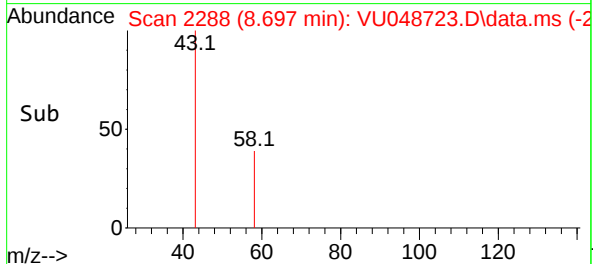
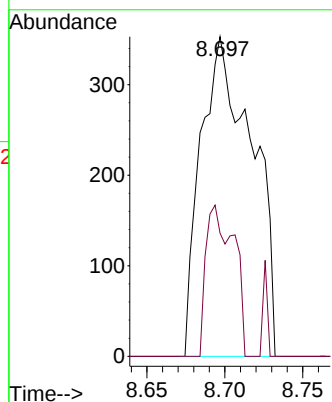
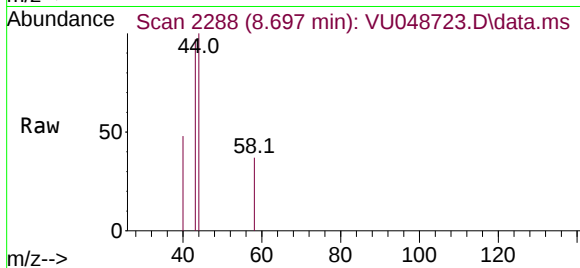
TW-22

Tgt Ion: 43 Resp: 808

Ion Ratio Lower Upper

43 100

58 25.6 28.2 84.6#



#62

4-Bromofluorobenzene

Concen: 58.106 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. 0.000 min

Lab File: VU048723.D

Acq: 28 May 2022 03:58

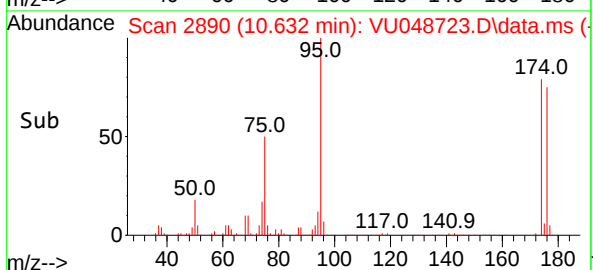
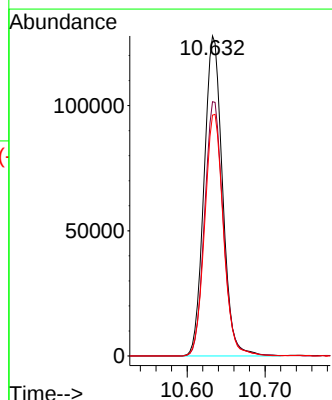
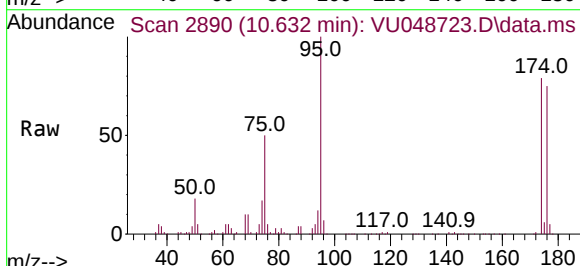
Tgt Ion: 95 Resp: 210396

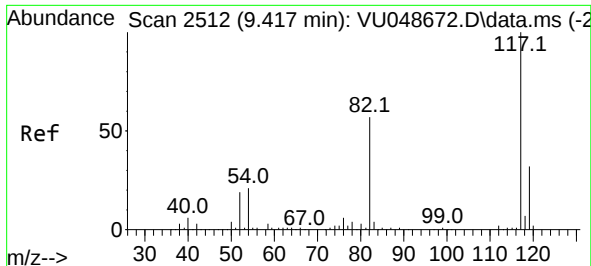
Ion Ratio Lower Upper

95 100

174 80.5 0.0 159.4

176 76.5 0.0 152.4

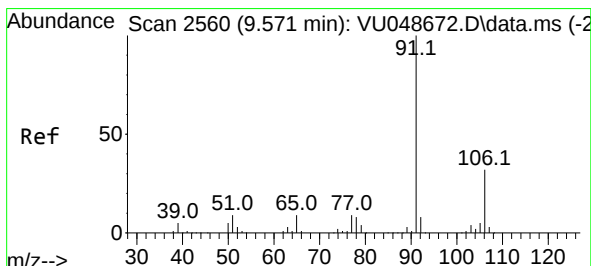
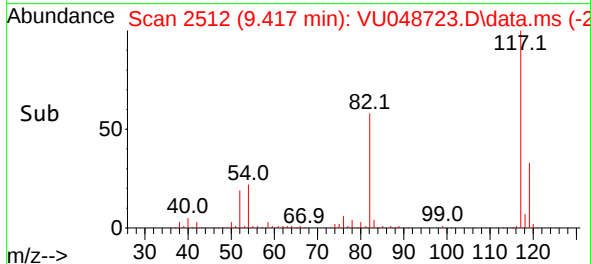
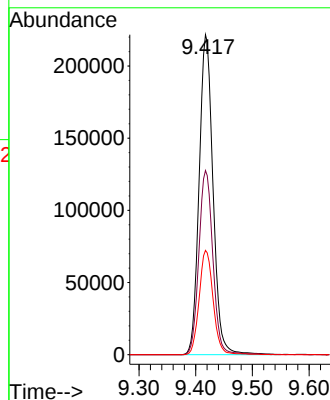
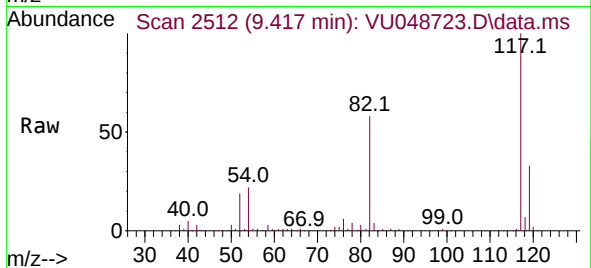




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. 0.000 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

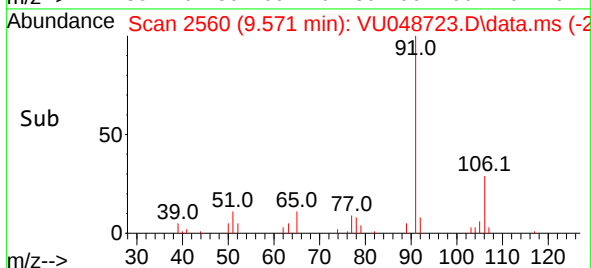
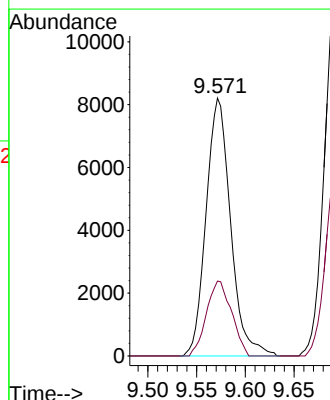
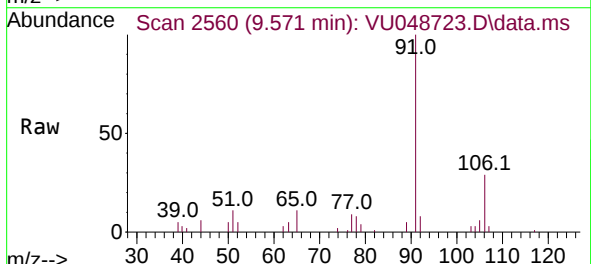
Instrument :
MSVOA_U
ClientSampleId :
TW-22

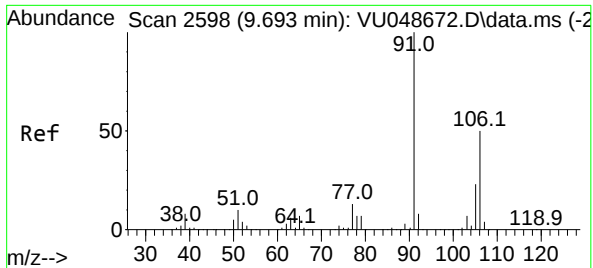
Tgt Ion:117 Resp: 377300
Ion Ratio Lower Upper
117 100
82 57.6 45.3 67.9
119 32.6 25.4 38.2



#67
Ethyl Benzene
Concen: 1.069 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

Tgt Ion: 91 Resp: 14386
Ion Ratio Lower Upper
91 100
106 29.1 25.4 38.2

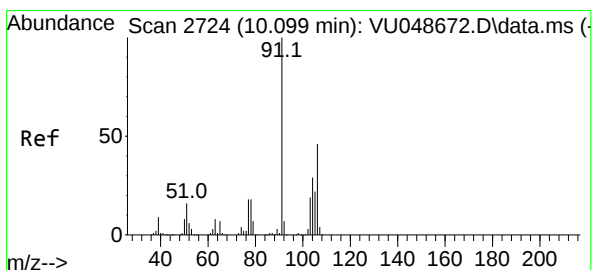
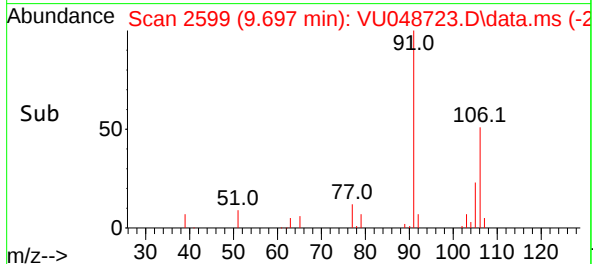
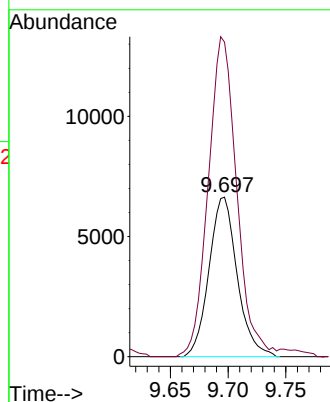
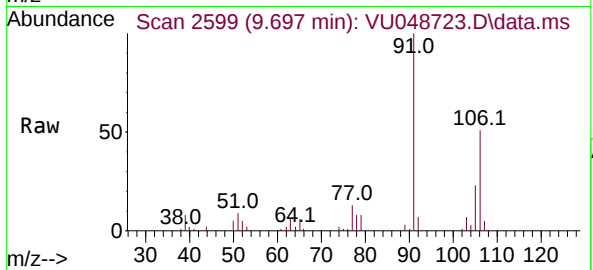




#68
m/p-Xylenes
Concen: 2.142 ug/l
RT: 9.697 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

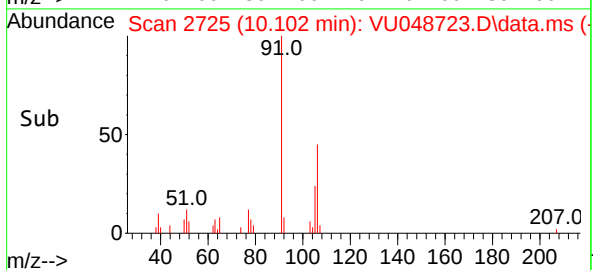
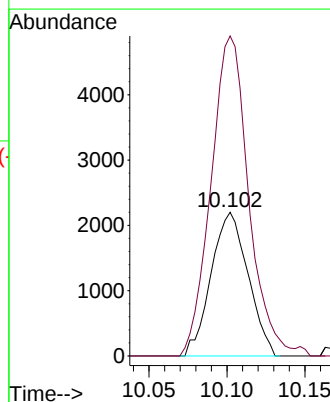
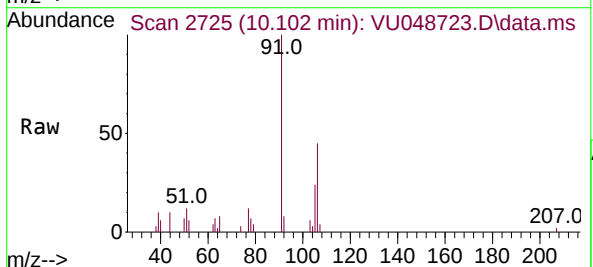
Instrument :
MSVOA_U
ClientSampleId :
TW-22

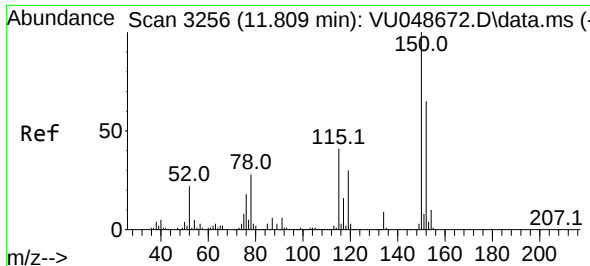
Tgt Ion:106 Resp: 11273
Ion Ratio Lower Upper
106 100
91 202.5 162.4 243.6



#69
o-Xylene
Concen: 0.701 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

Tgt Ion:106 Resp: 3624
Ion Ratio Lower Upper
106 100
91 227.9 107.7 323.3

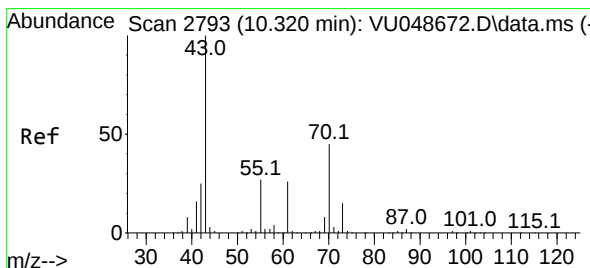
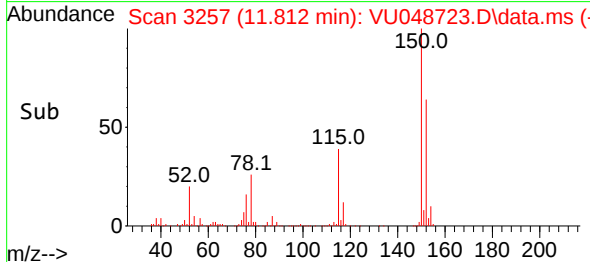
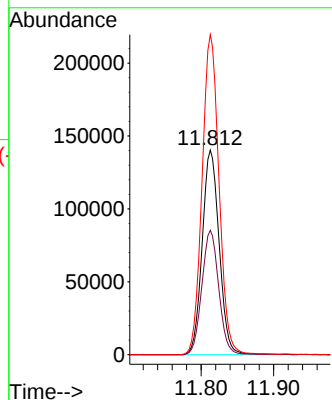
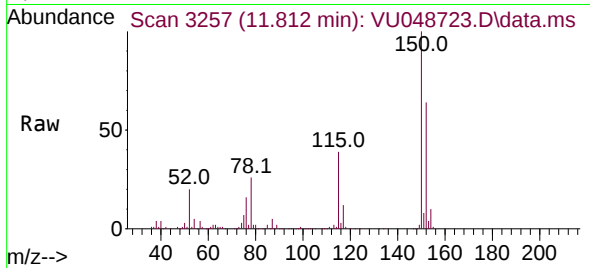




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

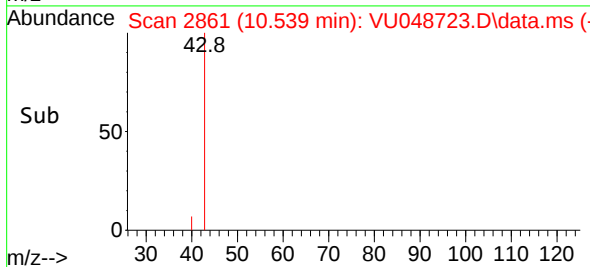
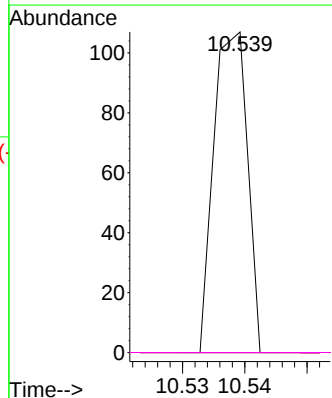
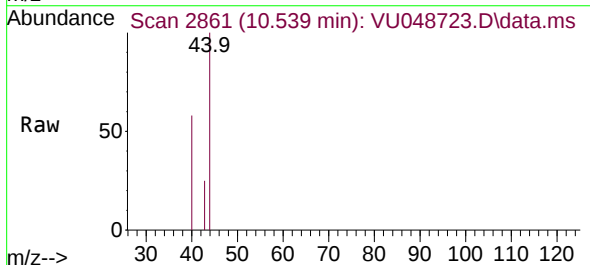
Instrument :
MSVOA_U
ClientSampleId :
TW-22

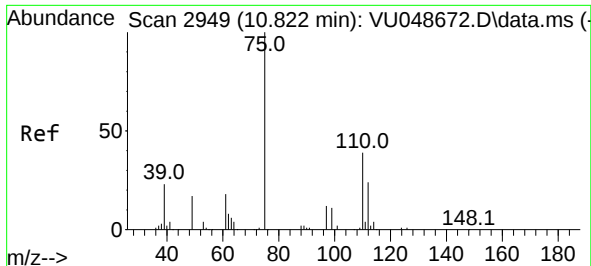
Tgt Ion:152 Resp: 227542
Ion Ratio Lower Upper
152 100
115 60.5 41.8 125.4
150 156.3 0.0 341.0



#74
N-ethyl acetate
Concen: 2.472 ug/l
RT: 10.539 min Scan# 2861
Delta R.T. 0.219 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

Tgt Ion: 43 Resp: 40
Ion Ratio Lower Upper
43 100
70 0.0 35.8 53.6#
55 0.0 21.1 31.7#
61 0.0 20.2 30.4#

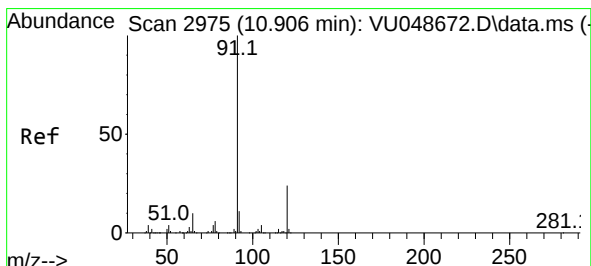
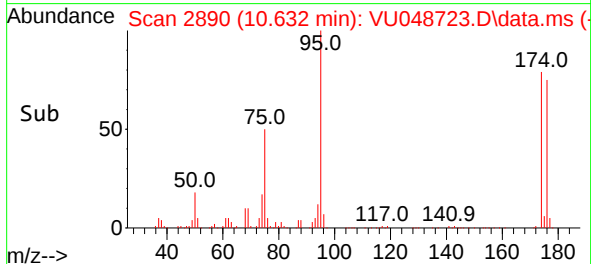
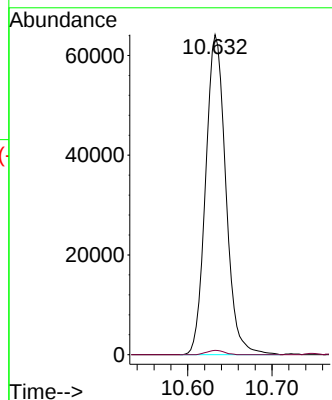
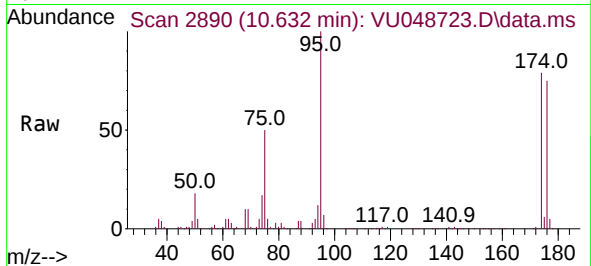




#76
1,2,3-Trichloropropane
Concen: 14.561 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.190 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

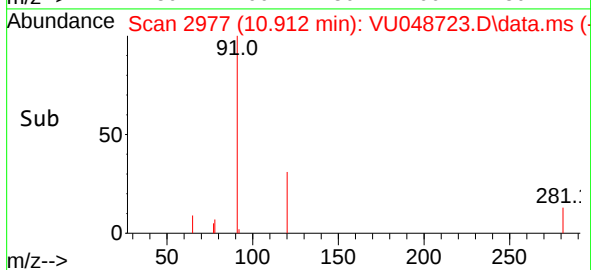
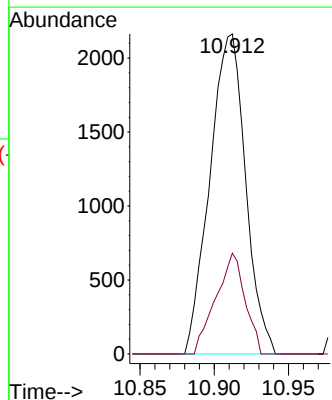
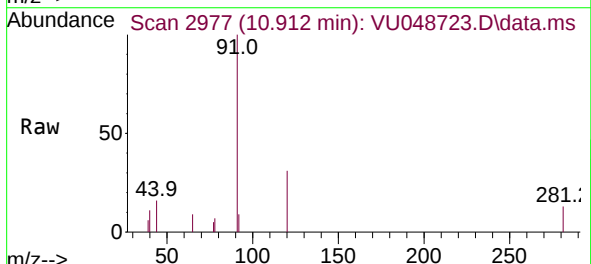
Instrument :
MSVOA_U
ClientSampleId :
TW-22

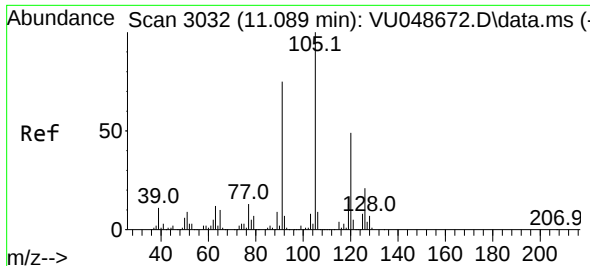
Tgt Ion: 75 Resp: 106825
Ion Ratio Lower Upper
75 100
77 1.2 14.8 44.3#



#78
n-propylbenzene
Concen: 0.207 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. 0.007 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

Tgt Ion: 91 Resp: 3617
Ion Ratio Lower Upper
91 100
120 25.7 11.6 34.7

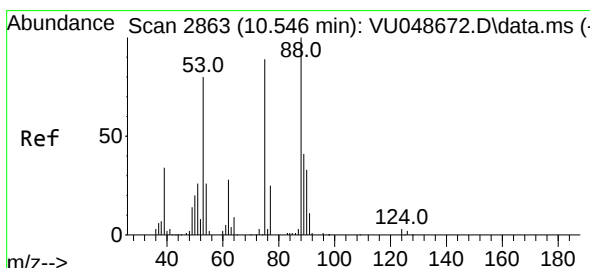
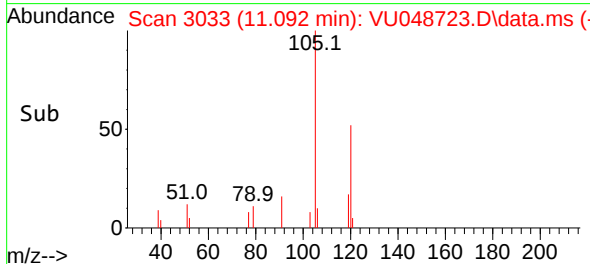
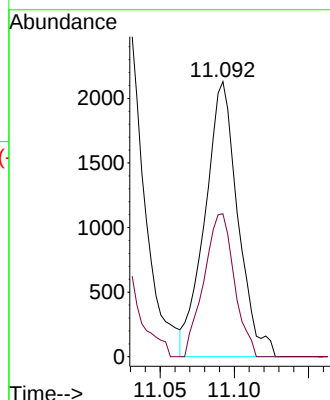
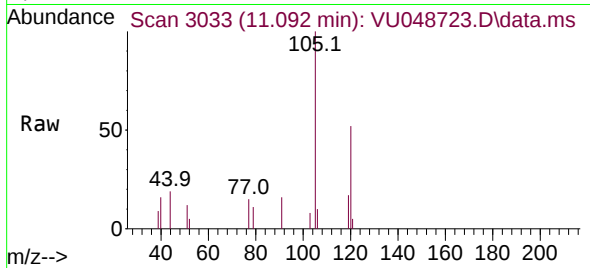




#80
1,3,5-Trimethylbenzene
Concen: 0.257 ug/l
RT: 11.092 min Scan# 30
Delta R.T. 0.003 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

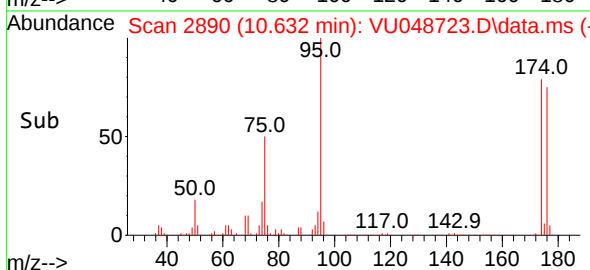
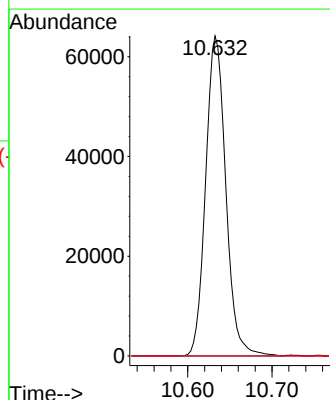
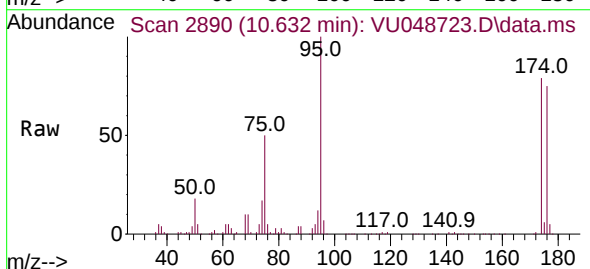
Instrument :
MSVOA_U
ClientSampleId :
TW-22

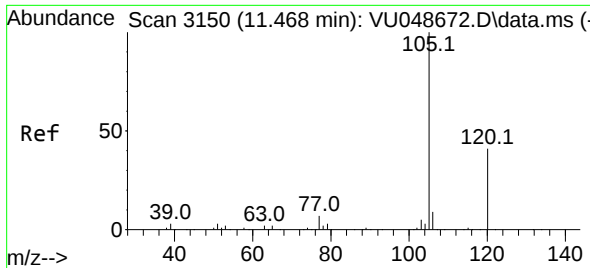
Tgt Ion:105 Resp: 3286
Ion Ratio Lower Upper
105 100
120 47.8 24.1 72.3



#81
trans-1,4-Dichloro-2-butene
Concen: 52.868 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

Tgt Ion: 75 Resp: 106825
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

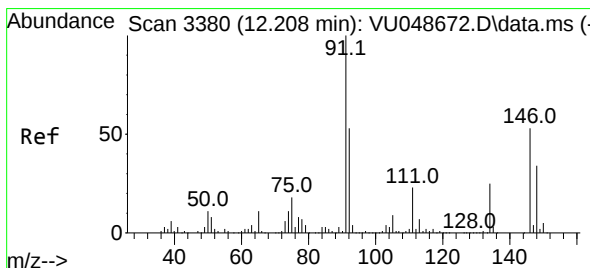
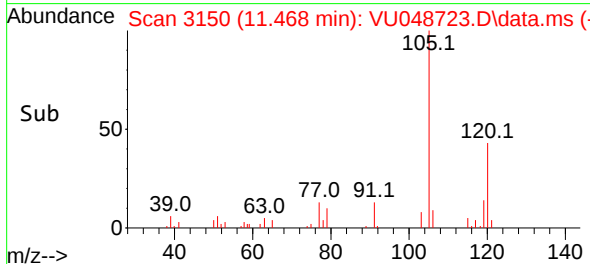
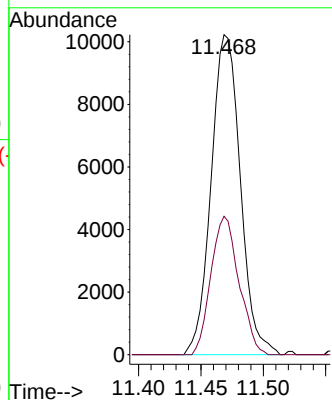
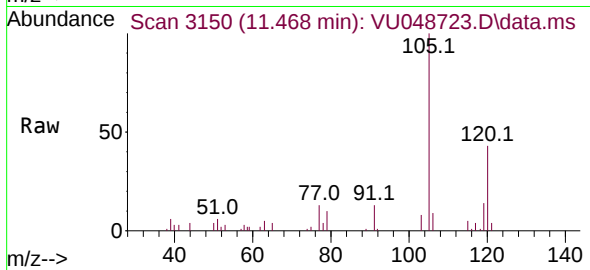




#84
1,2,4-Trimethylbenzene
Concen: 2.371 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

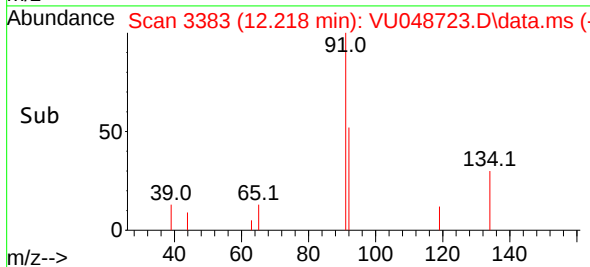
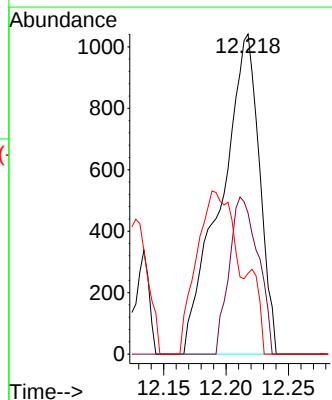
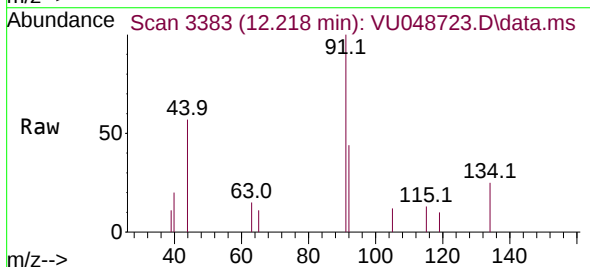
Instrument :
MSVOA_U
ClientSampleId :
TW-22

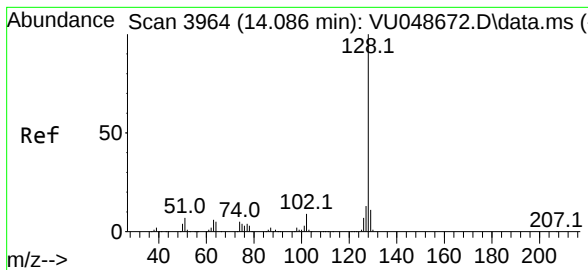
Tgt Ion:105 Resp: 16695
Ion Ratio Lower Upper
105 100
120 41.4 22.5 67.5



#89
n-Butylbenzene
Concen: 2.347 ug/l
RT: 12.218 min Scan# 3383
Delta R.T. 0.010 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

Tgt Ion: 91 Resp: 2226
Ion Ratio Lower Upper
91 100
92 36.8 25.9 77.8
134 0.0 12.5 37.5#





#95
Naphthalene
Concen: 4.562 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU048723.D
Acq: 28 May 2022 03:58

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:128	Resp:	38279
Ion	Ratio	Lower Upper
128	100	
127	13.4	10.2 15.4
129	10.7	8.7 13.1

