

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048726.D
 Acq On : 28 May 2022 05:08
 Operator : SY/MD
 Sample : N2934-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RB-220513

Quant Time: May 30 03:02:09 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)

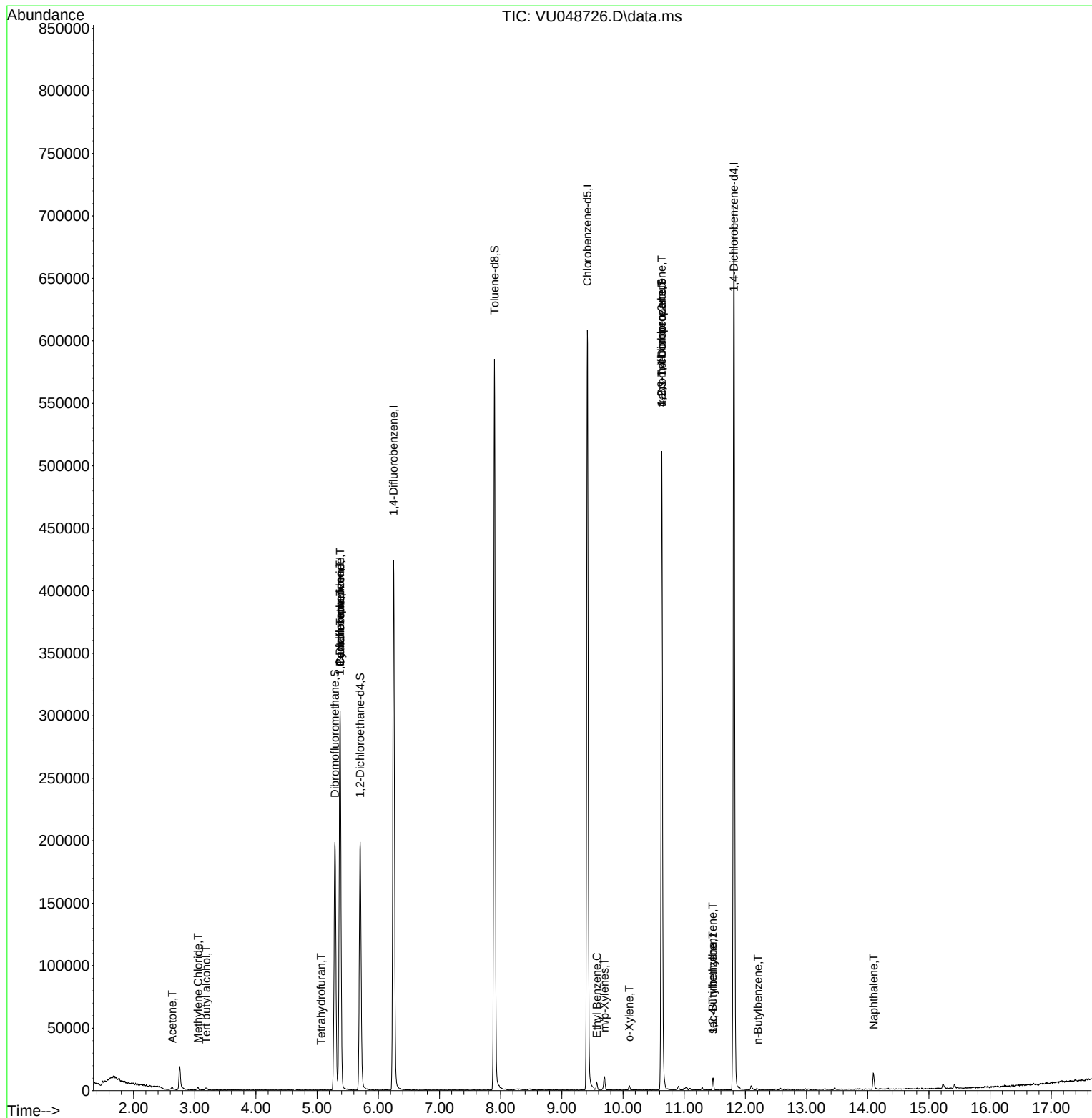
Internal Standards						
1) Pentafluorobenzene	5.375	168	208073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	348438	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	352489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	193385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	153138	49.006	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.020%
35) Dibromofluoromethane	5.292	113	130300	52.417	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.840%
50) Toluene-d8	7.899	98	396520	44.499	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.000%#
62) 4-Bromofluorobenzene	10.632	95	179726	53.331	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.660%
Target Compounds						
					Qvalue	
5) Bromomethane	1.861	94	77	Below Cal	#	3
6) Chloroethane	1.858	64	601	Below Cal	#	82
11) Tert butyl alcohol	3.186	59	955	1.205	ug/l #	28
16) Acetone	2.633	43	2473	1.553	ug/l #	86
20) Methylene Chloride	3.054	84	835	0.308	ug/l #	81
29) Tetrahydrofuran	5.067	42	332	0.230	ug/l #	31
31) Cyclohexane	5.375	56	4388	1.114	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	15880	4.377	ug/l #	51
38) Carbon Tetrachloride	5.375	117	20788	4.994	ug/l #	18
67) Ethyl Benzene	9.571	91	4236	0.337	ug/l	96
68) m/p-Xylenes	9.697	106	3194	0.649	ug/l	91
69) o-Xylene	10.102	106	977	0.202	ug/l	87
76) 1,2,3-Trichloropropane	10.632	75	93150	14.939	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	93150	54.243	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	5565	1.651	ug/l	97
85) sec-Butylbenzene	11.468	105	5565	0.427	ug/l #	58
89) n-Butylbenzene	12.208	91	420	2.221	ug/l #	43
95) Naphthalene	14.095	128	12936	3.339	ug/l	96

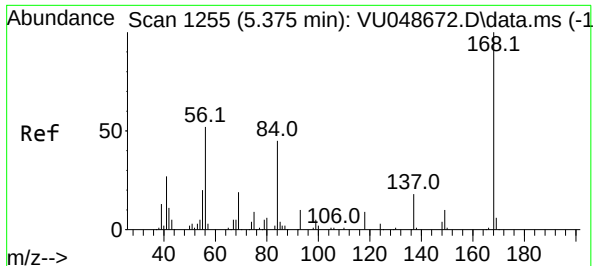
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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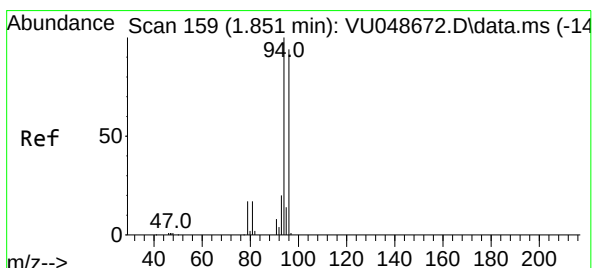
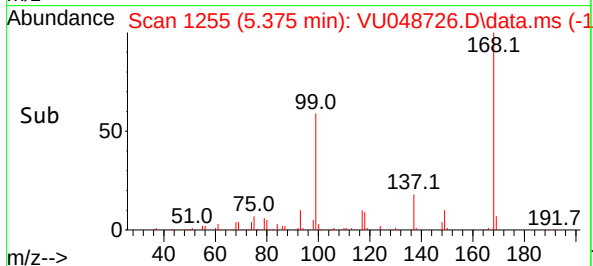
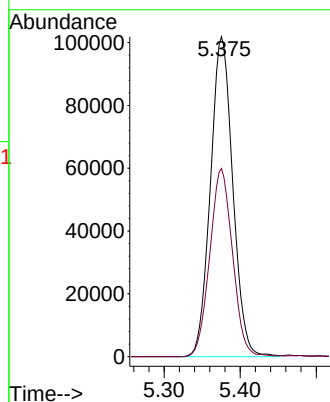
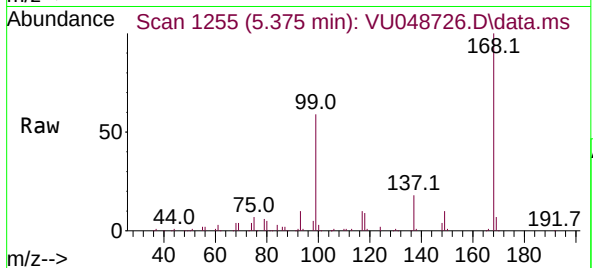




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

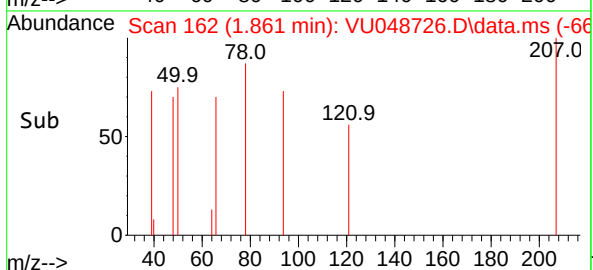
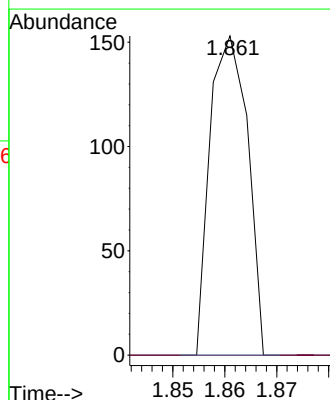
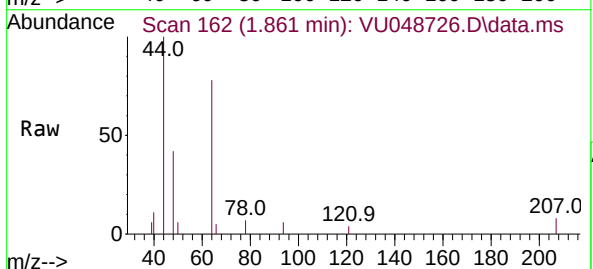
Instrument :
MSVOA_U
ClientSampleId :
RB-220513

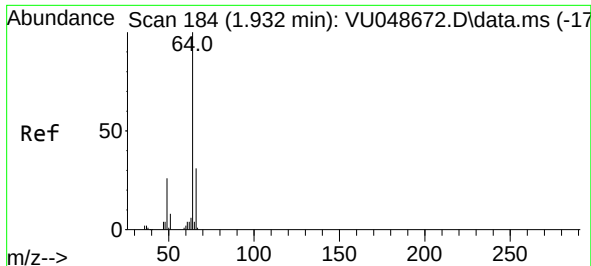
Tgt Ion:168 Resp: 208073
Ion Ratio Lower Upper
168 100
99 58.8 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.861 min Scan# 162
Delta R.T. 0.010 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

Tgt Ion: 94 Resp: 77
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#

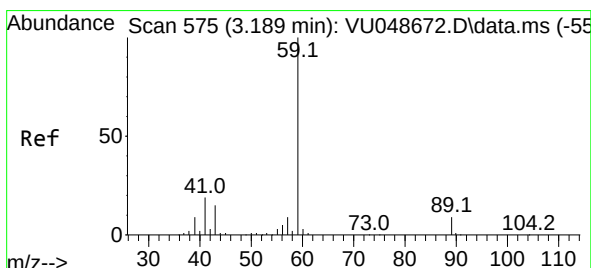
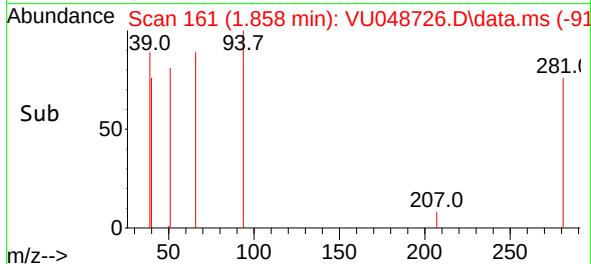
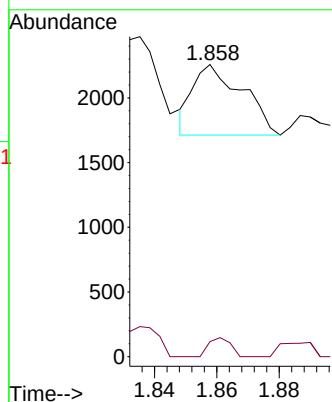
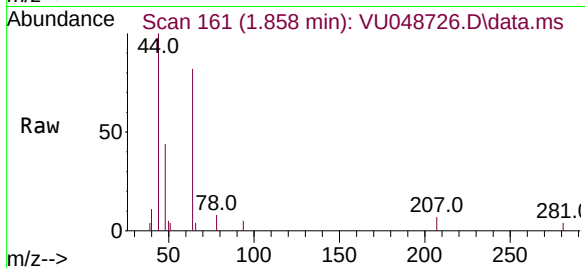




#6
Chloroethane
Concen: Below Cal
RT: 1.858 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

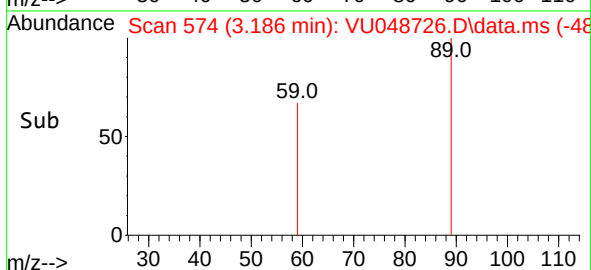
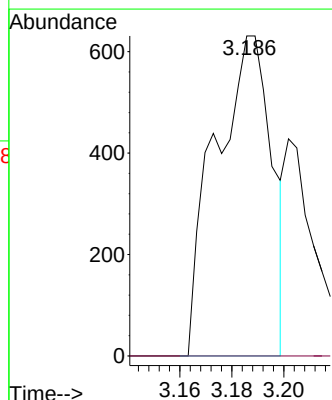
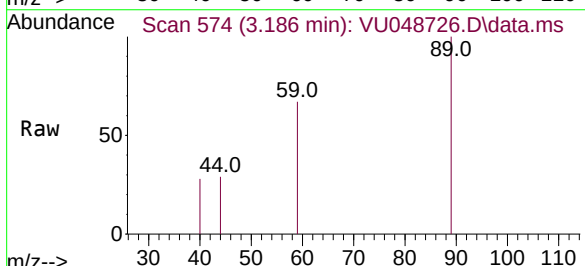
Instrument :
MSVOA_U
ClientSampleId :
RB-220513

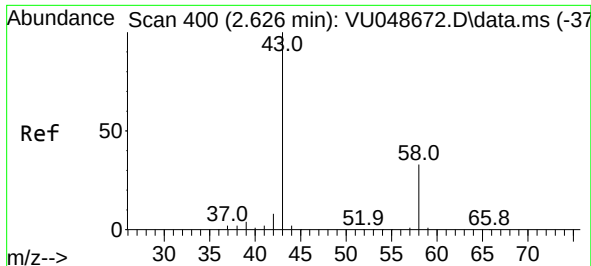
Tgt Ion: 64 Resp: 601
Ion Ratio Lower Upper
64 100
66 21.3 25.2 37.8#



#11
Tert butyl alcohol
Concen: 1.205 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.003 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

Tgt Ion: 59 Resp: 955
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#





#16

Acetone

Concen: 1.553 ug/l

RT: 2.633 min Scan# 40

Delta R.T. 0.006 min

Lab File: VU048726.D

Acq: 28 May 2022 05:08

Instrument :

MSVOA_U

ClientSampleId :

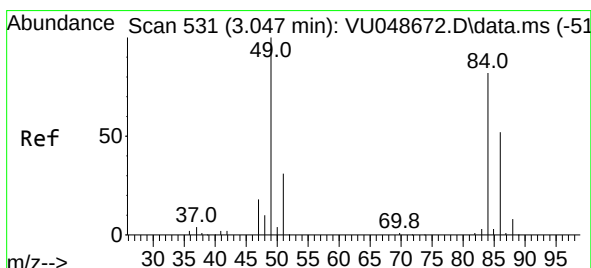
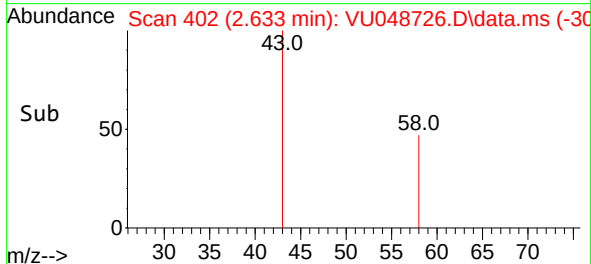
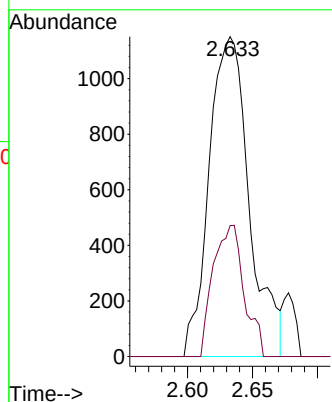
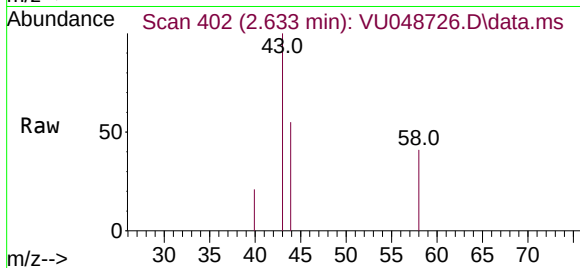
RB-220513

Tgt Ion: 43 Resp: 2473

Ion Ratio Lower Upper

43 100

58 40.9 26.3 39.5#



#20

Methylene Chloride

Concen: 0.308 ug/l

RT: 3.054 min Scan# 533

Delta R.T. 0.006 min

Lab File: VU048726.D

Acq: 28 May 2022 05:08

Tgt Ion: 84 Resp: 835

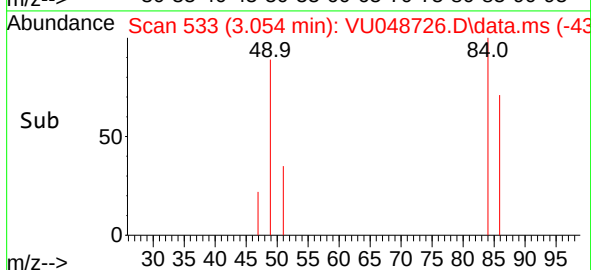
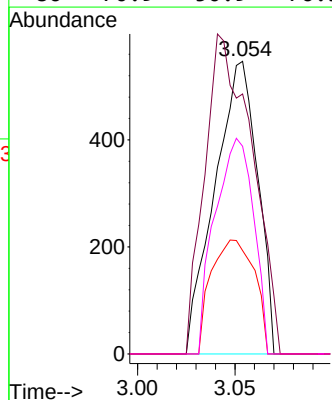
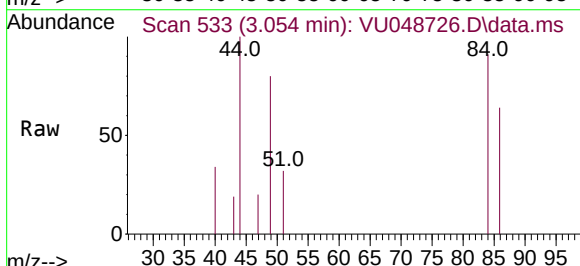
Ion Ratio Lower Upper

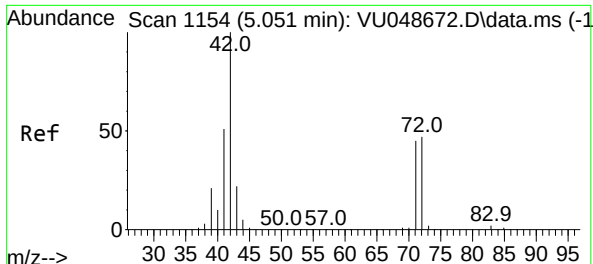
84 100

49 88.8 97.0 145.4#

51 35.3 29.8 44.8

86 70.9 50.9 76.3

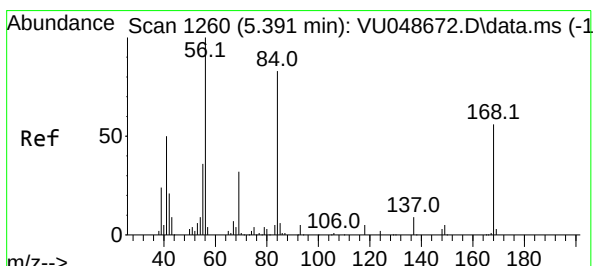
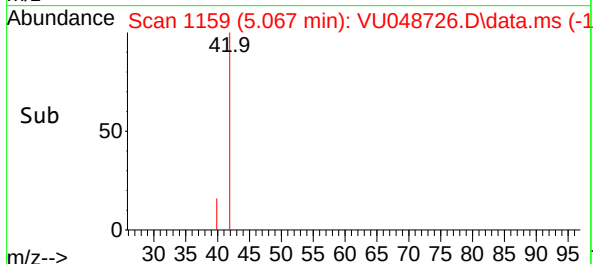
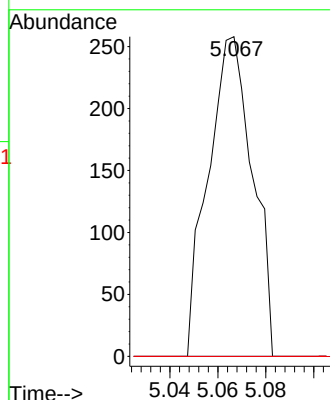
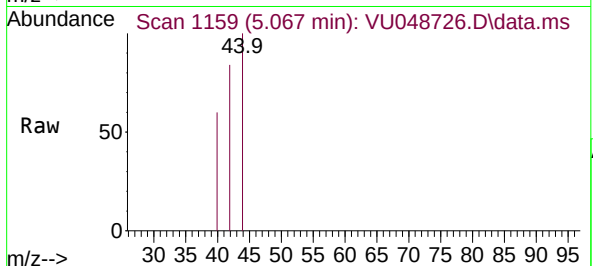




#29
Tetrahydrofuran
Concen: 0.230 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.016 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

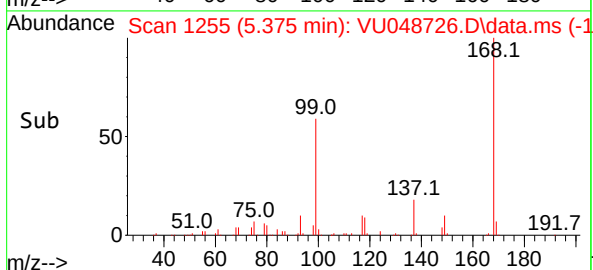
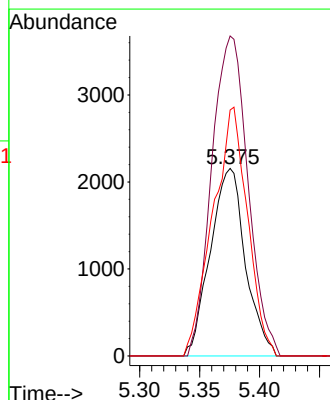
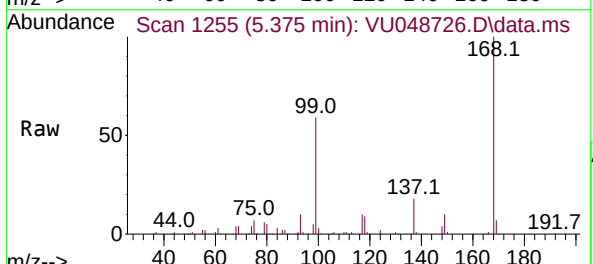
Instrument :
MSVOA_U
ClientSampleId :
RB-220513

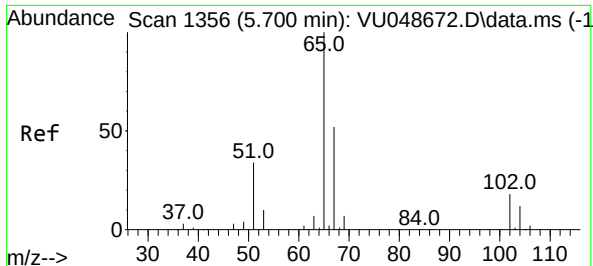
Tgt Ion: 42 Resp: 332
Ion Ratio Lower Upper
42 100
72 0.0 37.6 56.4#
71 0.0 35.0 52.4#



#31
Cyclohexane
Concen: 1.114 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

Tgt Ion: 56 Resp: 4388
Ion Ratio Lower Upper
56 100
69 170.7 25.6 38.4#
84 131.1 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 49.006 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048726.D

Acq: 28 May 2022 05:08

Instrument :

MSVOA_U

ClientSampleId :

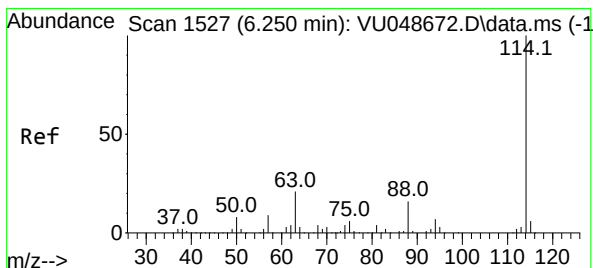
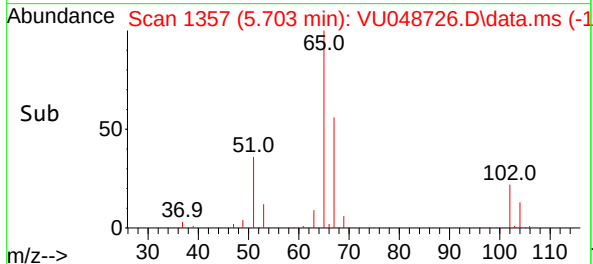
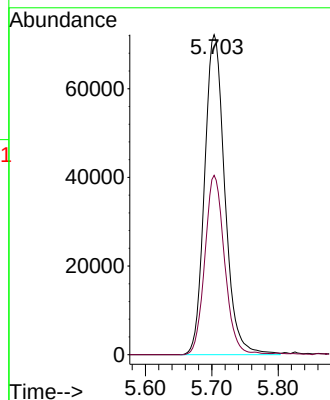
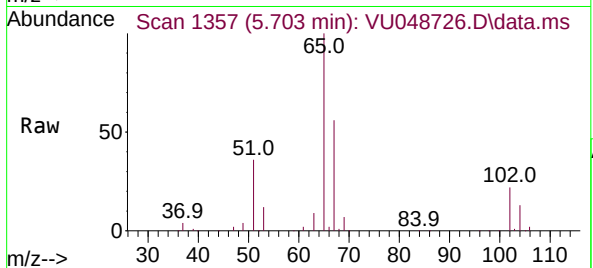
RB-220513

Tgt Ion: 65 Resp: 153138

Ion Ratio Lower Upper

65 100

67 54.7 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: VU048726.D

Acq: 28 May 2022 05:08

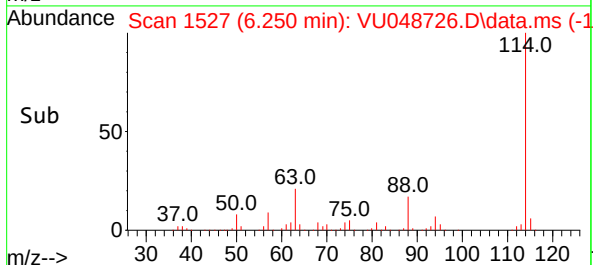
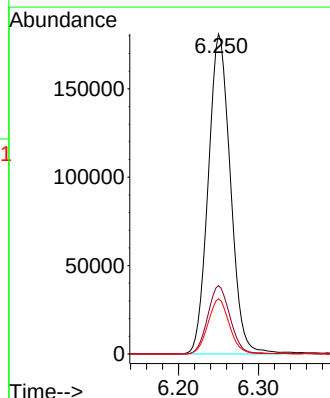
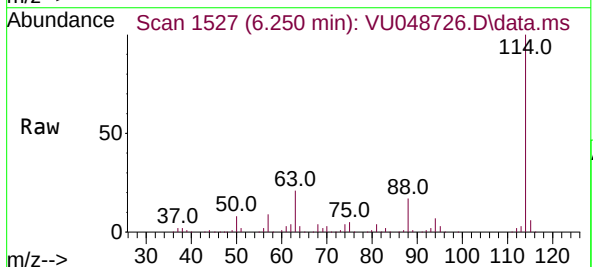
Tgt Ion: 114 Resp: 348438

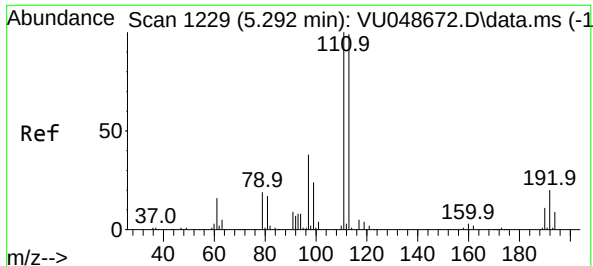
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

88 17.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.417 ug/l

RT: 5.292 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU048726.D

Acq: 28 May 2022 05:08

Instrument :

MSVOA_U

ClientSampleId :

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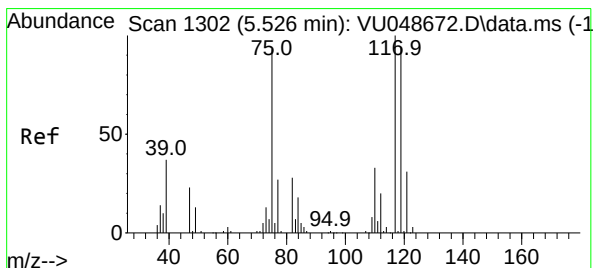
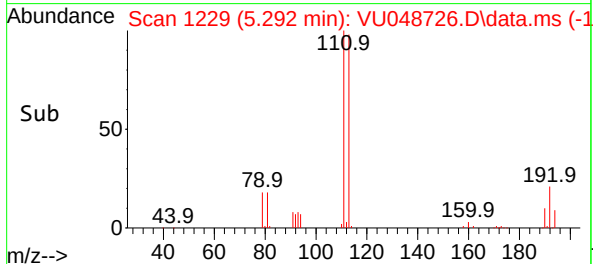
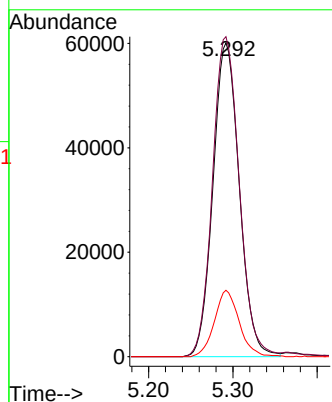
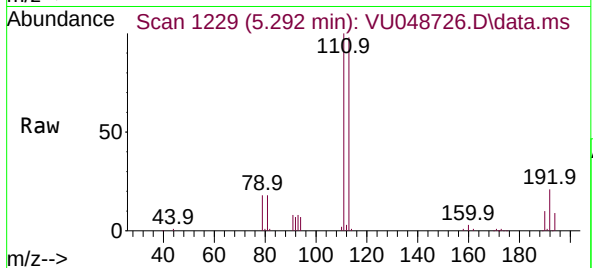
Tgt Ion:113 Resp: 130300

Ion Ratio Lower Upper

113 100

111 103.8 80.7 121.1

192 20.0 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.377 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048726.D

Acq: 28 May 2022 05:08

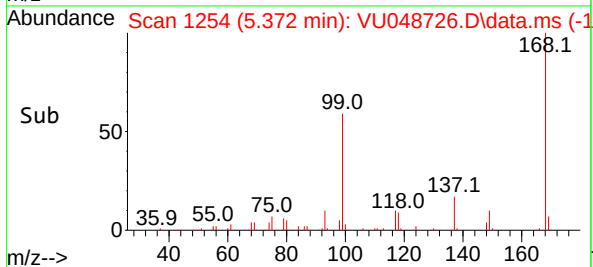
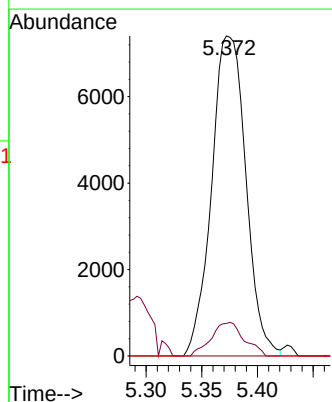
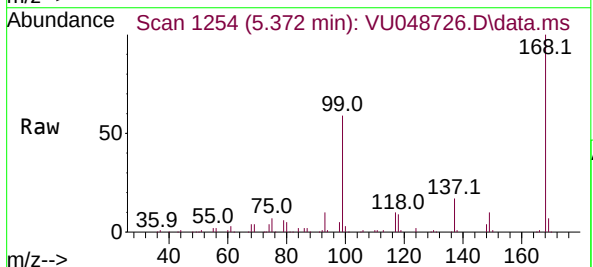
Tgt Ion: 75 Resp: 15880

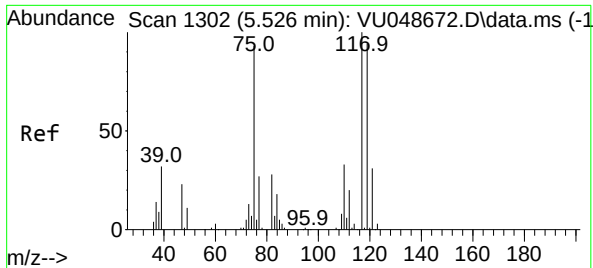
Ion Ratio Lower Upper

75 100

110 10.1 17.4 52.3#

77 0.0 24.8 37.2#

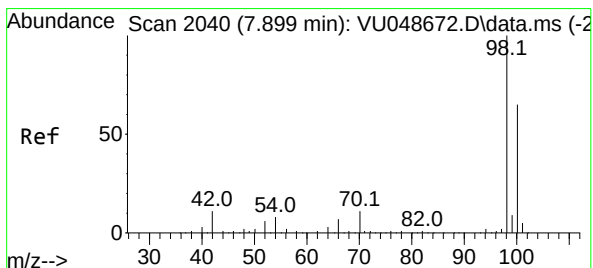
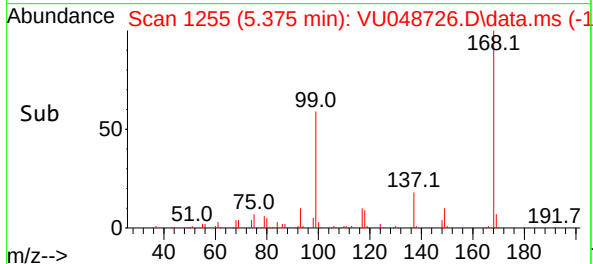
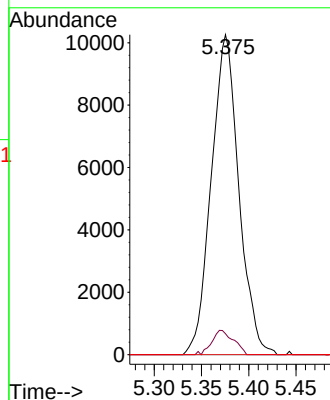
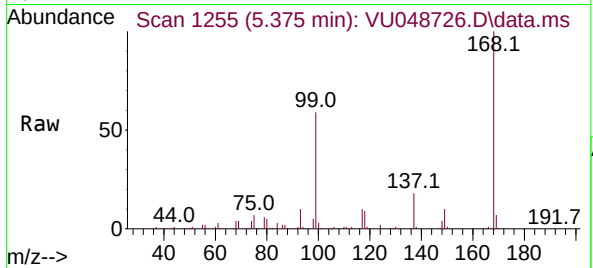




#38
Carbon Tetrachloride
Concen: 4.994 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

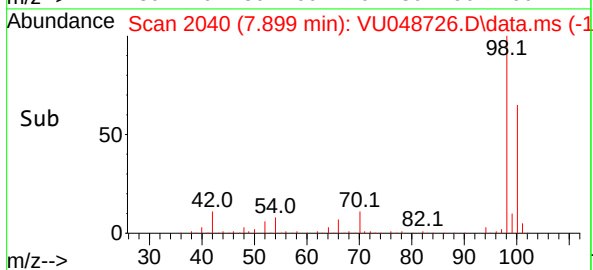
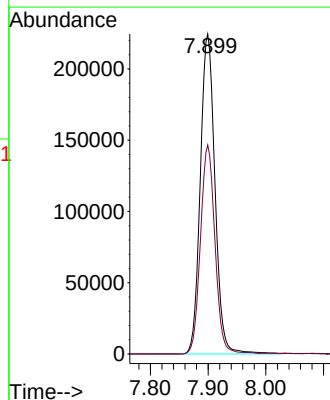
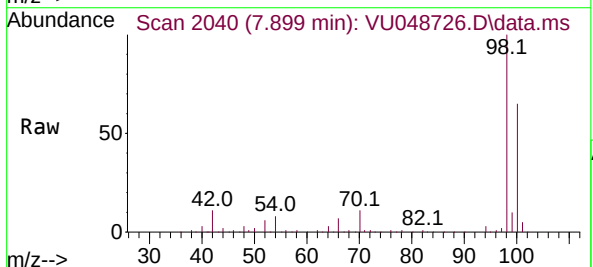
Instrument :
MSVOA_U
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RB-220513

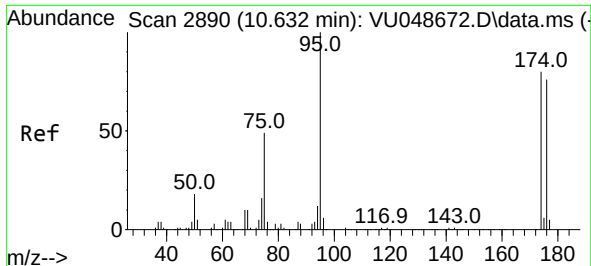
Tgt Ion:117 Resp: 20788
Ion Ratio Lower Upper
117 100
119 6.6 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 44.499 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

Tgt Ion: 98 Resp: 396520
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4

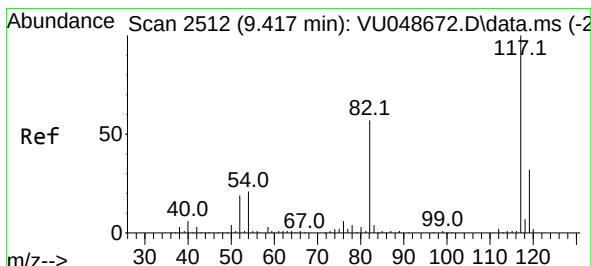
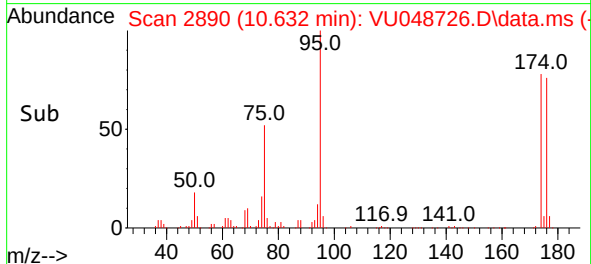
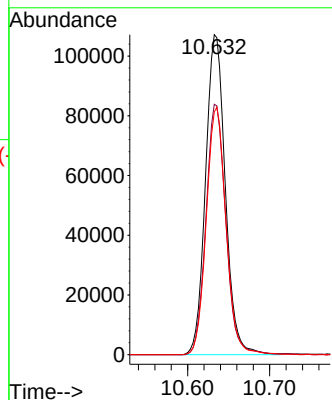
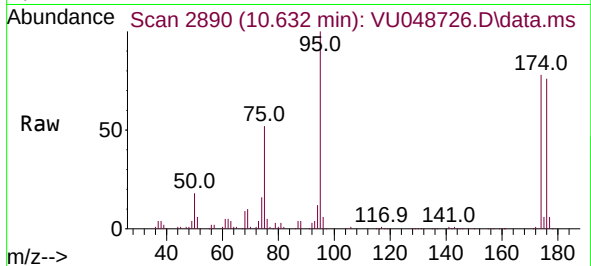




#62
4-Bromofluorobenzene
Concen: 53.331 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

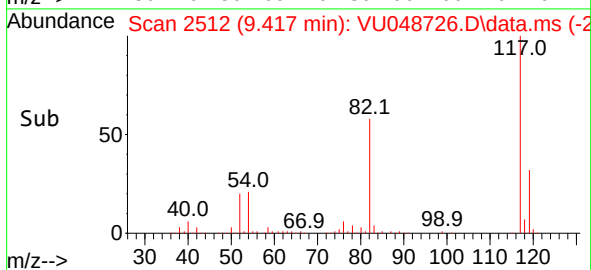
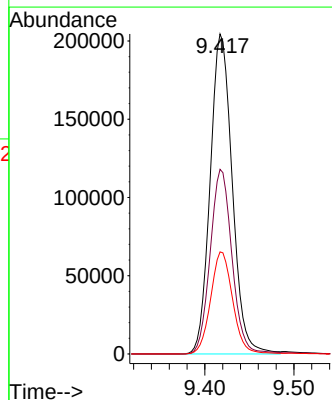
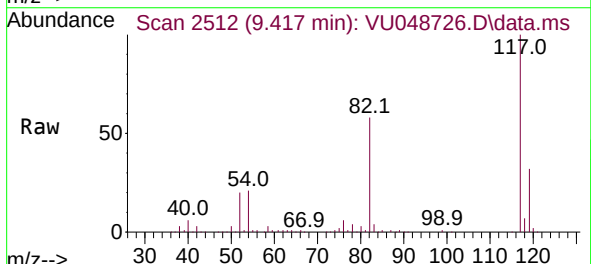
Instrument :
MSVOA_U
ClientSampleId :
RB-220513

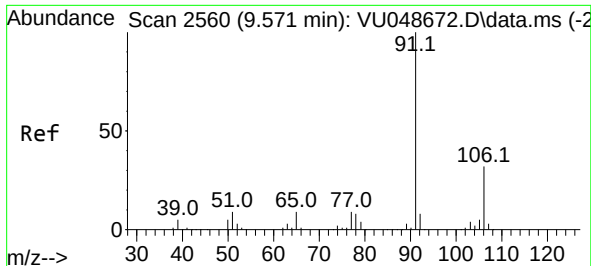
Tgt Ion: 95 Resp: 179726
Ion Ratio Lower Upper
95 100
174 78.5 0.0 159.4
176 77.4 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

Tgt Ion: 117 Resp: 352489
Ion Ratio Lower Upper
117 100
82 57.7 45.3 67.9
119 31.9 25.4 38.2





#67

Ethyl Benzene

Concen: 0.337 ug/l

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU048726.D

Acq: 28 May 2022 05:08

Instrument :

MSVOA_U

ClientSampleId :

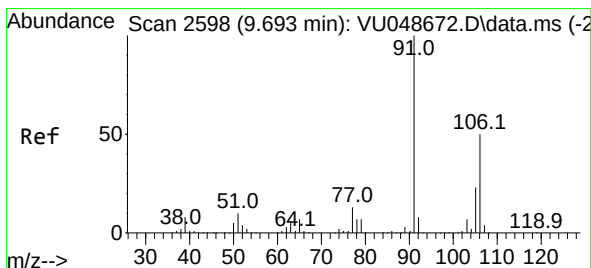
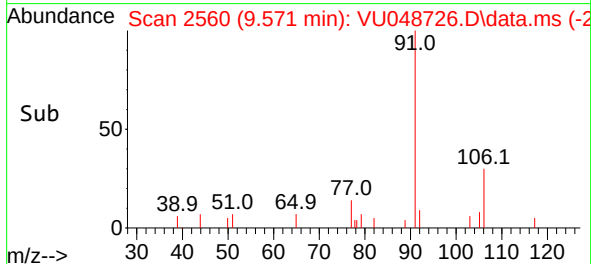
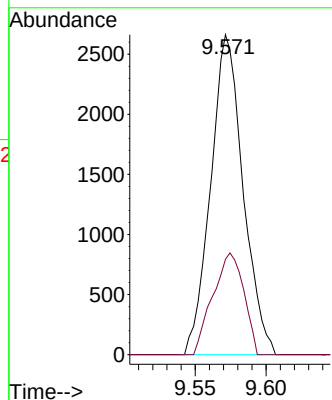
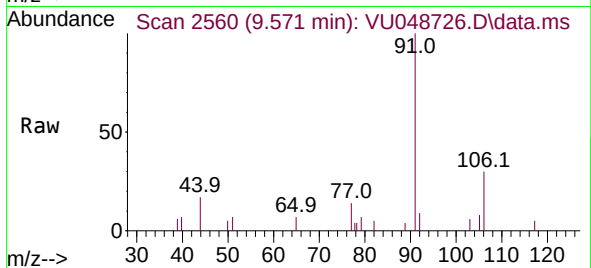
RB-220513

Tgt Ion: 91 Resp: 4236

Ion Ratio Lower Upper

91 100

106 29.8 25.4 38.2



#68

m/p-Xylenes

Concen: 0.649 ug/l

RT: 9.697 min Scan# 2599

Delta R.T. 0.003 min

Lab File: VU048726.D

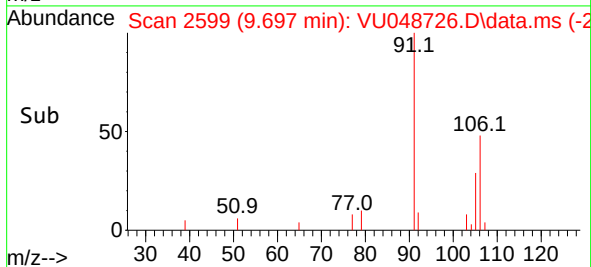
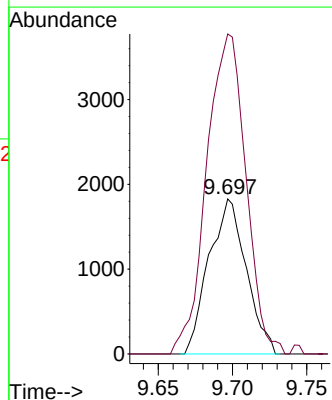
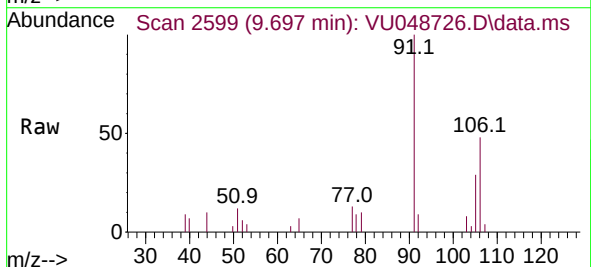
Acq: 28 May 2022 05:08

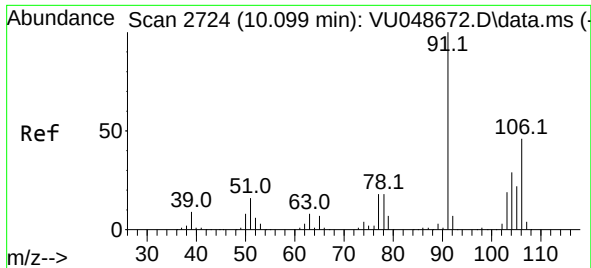
Tgt Ion: 106 Resp: 3194

Ion Ratio Lower Upper

106 100

91 216.7 162.4 243.6

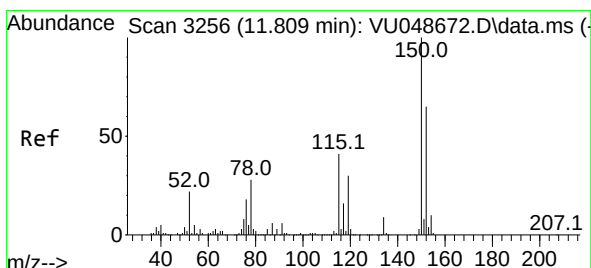
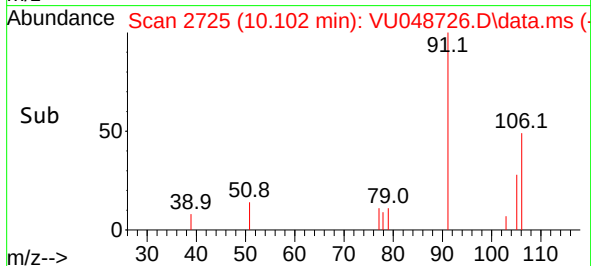
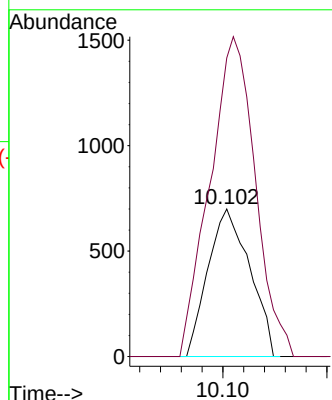
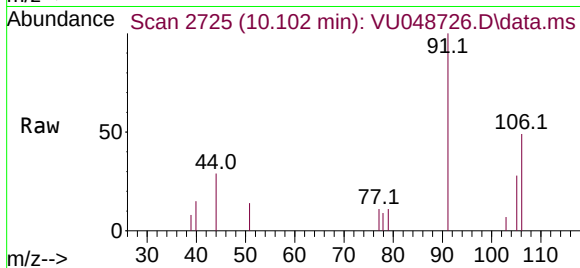




#69
o-Xylene
Concen: 0.202 ug/l
RT: 10.102 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

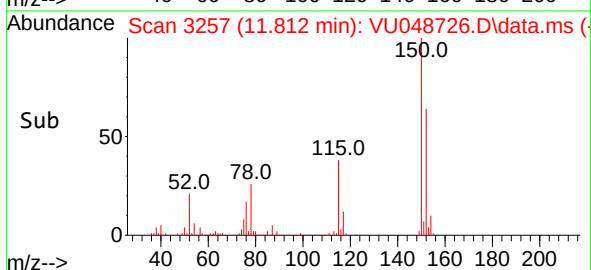
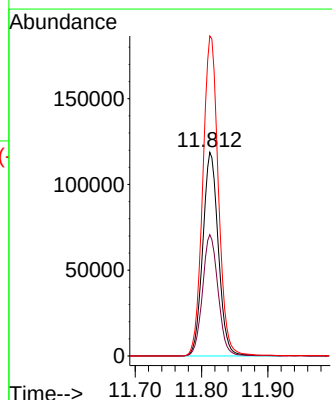
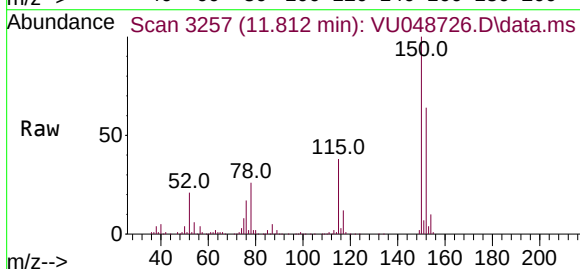
Instrument :
MSVOA_U
ClientSampleId :
RB-220513

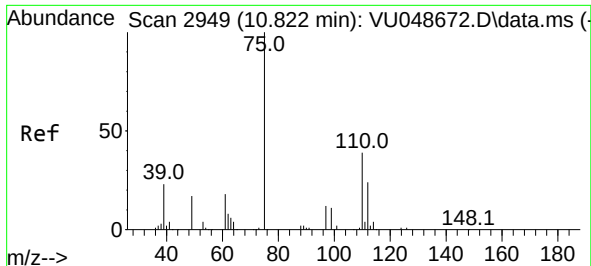
Tgt Ion:106 Resp: 977
Ion Ratio Lower Upper
106 100
91 235.5 107.7 323.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

Tgt Ion:152 Resp: 193385
Ion Ratio Lower Upper
152 100
115 59.6 41.8 125.4
150 157.4 0.0 341.0

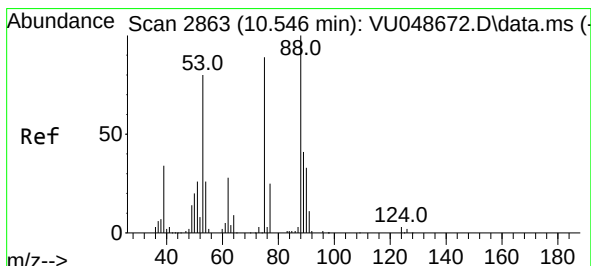
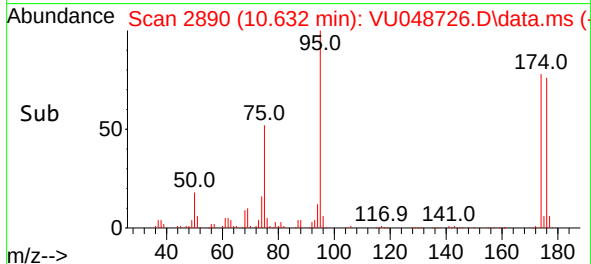
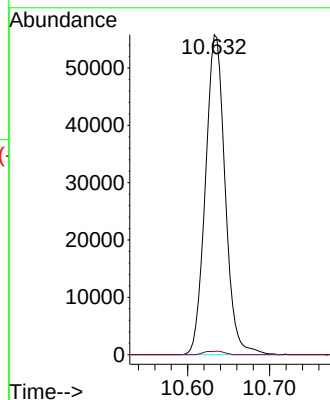
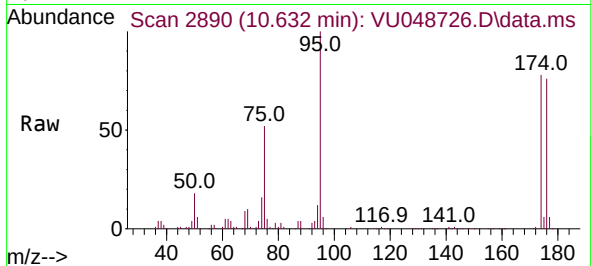




#76
1,2,3-Trichloropropane
Concen: 14.939 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

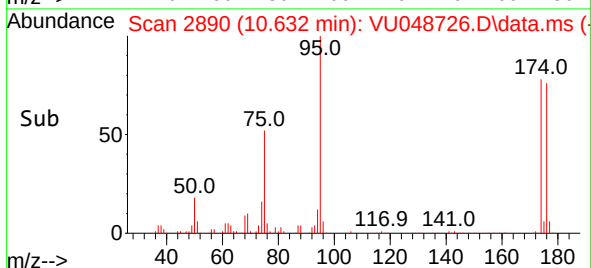
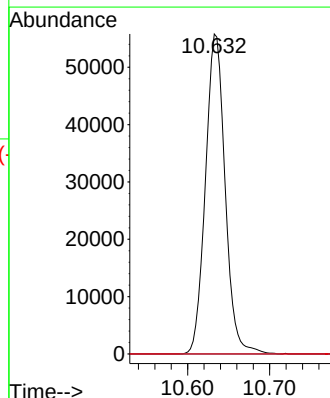
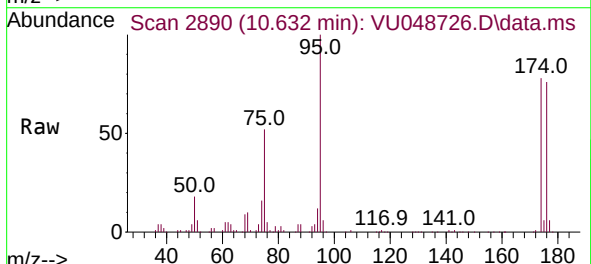
Instrument :
MSVOA_U
ClientSampleId :
RB-220513

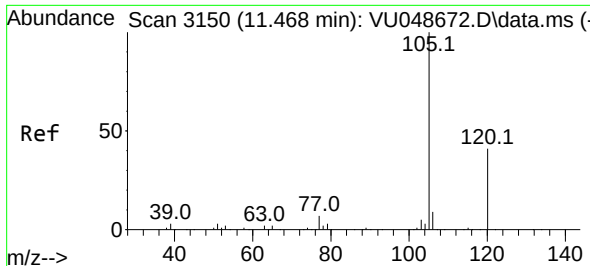
Tgt Ion: 75 Resp: 93150
Ion Ratio Lower Upper
75 100
77 1.1 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.243 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

Tgt Ion: 75 Resp: 93150
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

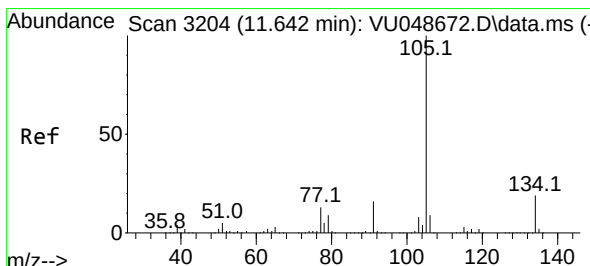
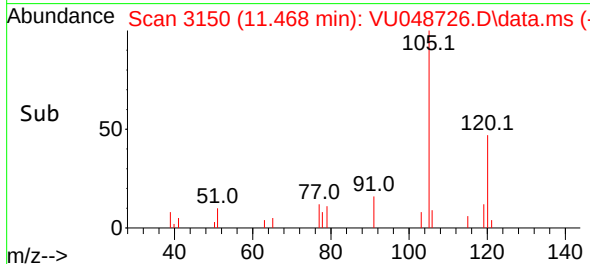
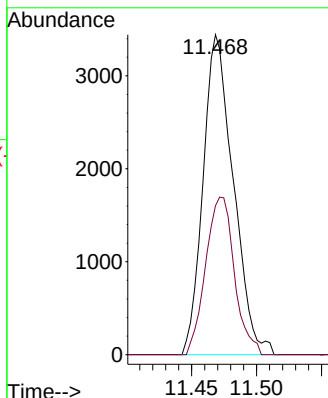
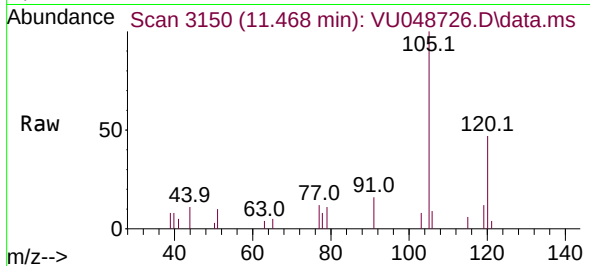




#84
1,2,4-Trimethylbenzene
Concen: 1.651 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

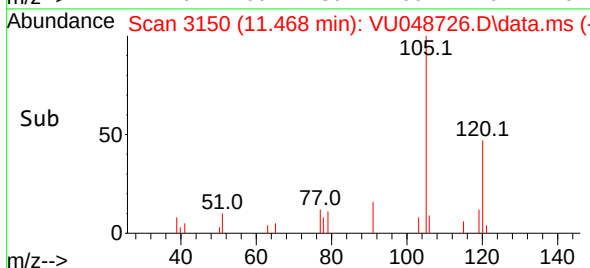
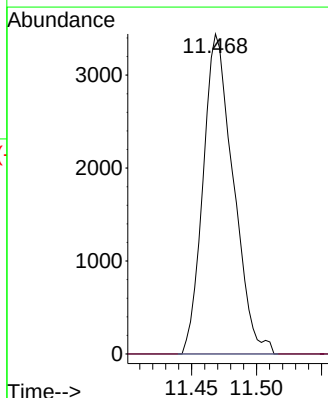
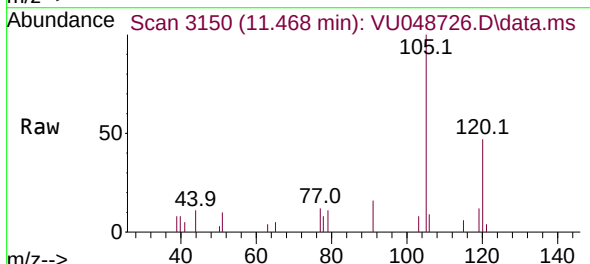
Instrument :
MSVOA_U
ClientSampleId :
RB-220513

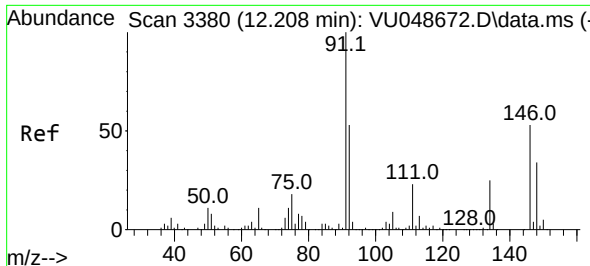
Tgt Ion:105 Resp: 5565
Ion Ratio Lower Upper
105 100
120 46.8 22.5 67.5



#85
sec-Butylbenzene
Concen: 0.427 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. -0.174 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

Tgt Ion:105 Resp: 5565
Ion Ratio Lower Upper
105 100
134 0.0 9.6 28.6#

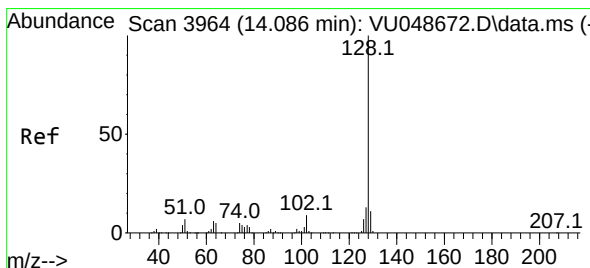
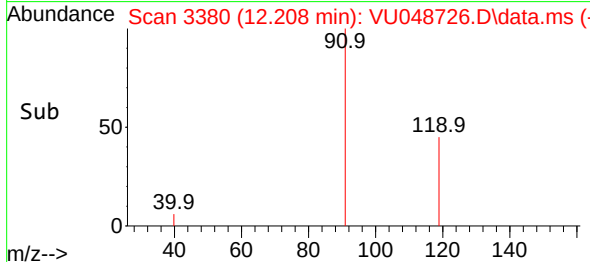
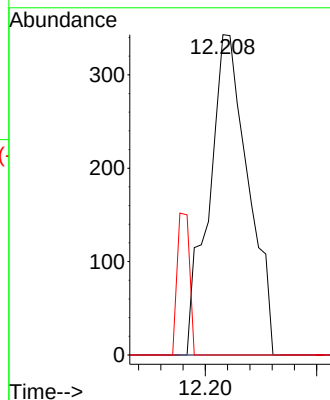
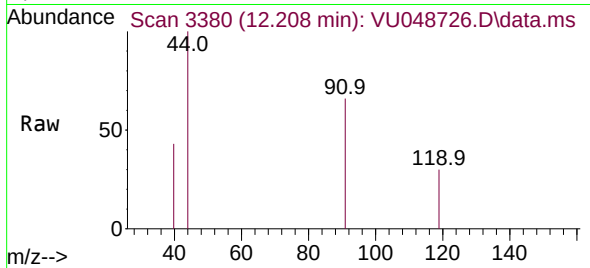




#89
n-Butylbenzene
Concen: 2.221 ug/l
RT: 12.208 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

Instrument :
MSVOA_U
ClientSampleId :
RB-220513

Tgt Ion: 91 Resp: 420
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 13.8 12.5 37.5



#95
Naphthalene
Concen: 3.339 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.009 min
Lab File: VU048726.D
Acq: 28 May 2022 05:08

Tgt Ion:128 Resp: 12936
Ion Ratio Lower Upper
128 100
127 10.9 10.2 15.4
129 10.0 8.7 13.1

