

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060322\
 Data File : VU048861.D
 Acq On : 03 Jun 2022 16:40
 Operator : SY/MD
 Sample : N3112-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SPRING-20220527RE

Quant Time: Jun 04 04:38:47 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)

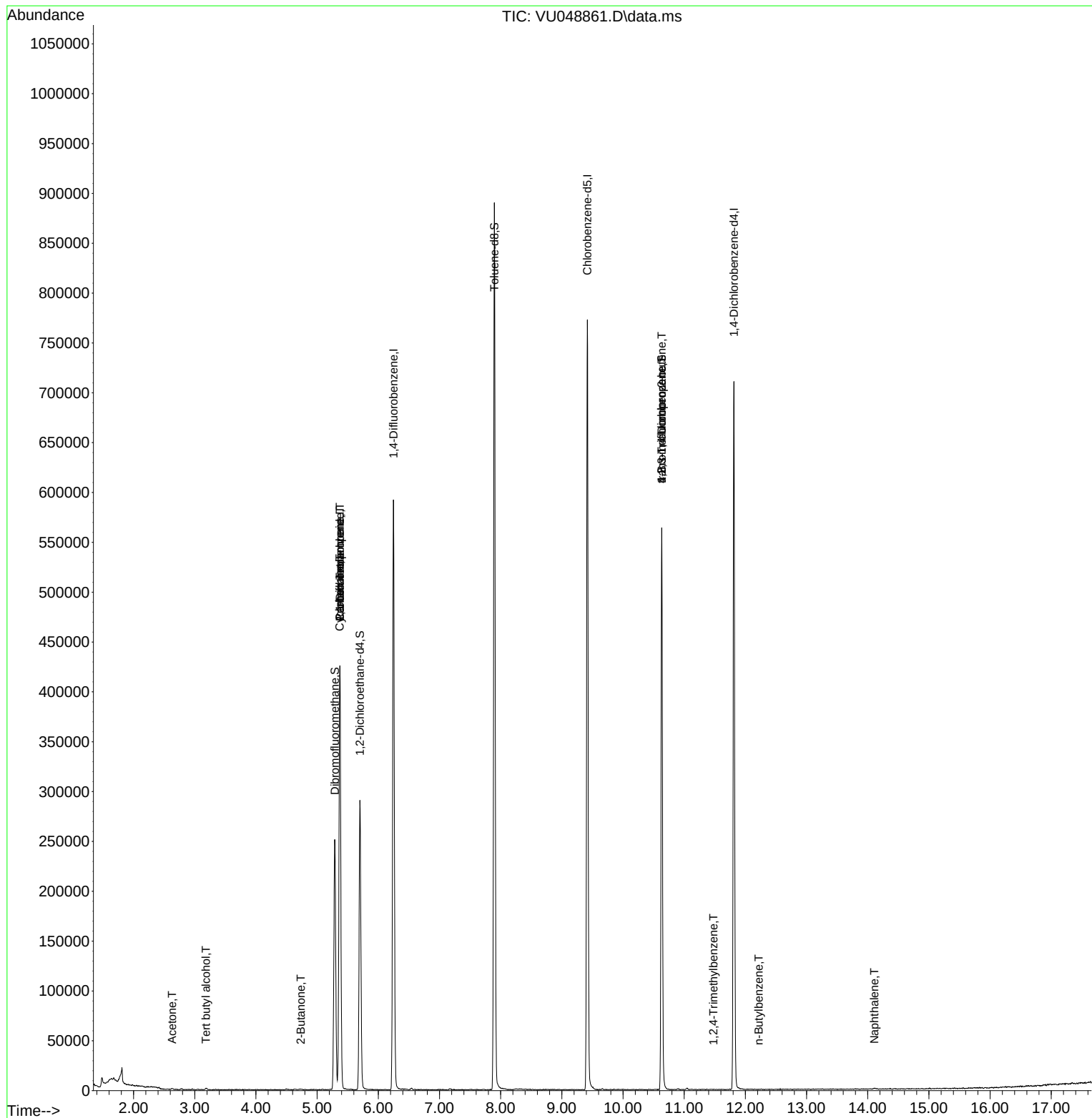
Internal Standards						
1) Pentafluorobenzene	5.372	168	282318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	470343	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	421431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	189315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	219879	51.860	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.720%			
35) Dibromofluoromethane	5.288	113	163334	48.676	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.360%			
50) Toluene-d8	7.896	98	581996	48.385	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.780%			
62) 4-Bromofluorobenzene	10.632	95	185928	40.872	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 81.740%#			
Target Compounds						
					Qvalue	
5) Bromomethane	1.835	94	205	Below Cal		91
6) Chloroethane	1.829	64	323	Below Cal	#	43
11) Tert butyl alcohol	3.182	59	889	0.827 ug/l	#	28
13) Acrolein	2.485	56	45	Below Cal	#	48
16) Acetone	2.629	43	1400	0.648 ug/l		96
25) 2-Butanone	4.732	43	929	0.299 ug/l		95
31) Cyclohexane	5.369	56	6220	1.164 ug/l	#	8
36) 1,1-Dichloropropene	5.372	75	24504	5.004 ug/l	#	50
38) Carbon Tetrachloride	5.372	117	29856	5.314 ug/l	#	17
76) 1,2,3-Trichloropropane	10.632	75	99447	16.292 ug/l	#	48
81) trans-1,4-Dichloro-2-b...	10.632	75	99447	59.155 ug/l	#	13
84) 1,2,4-Trimethylbenzene	11.478	105	50	1.191 ug/l	#	31
89) n-Butylbenzene	12.217	91	99	2.194 ug/l	#	34
95) Naphthalene	14.108	128	1445	2.625 ug/l	#	69

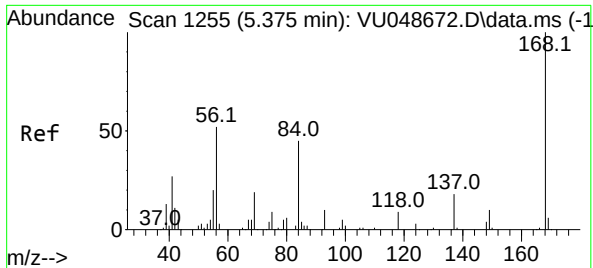
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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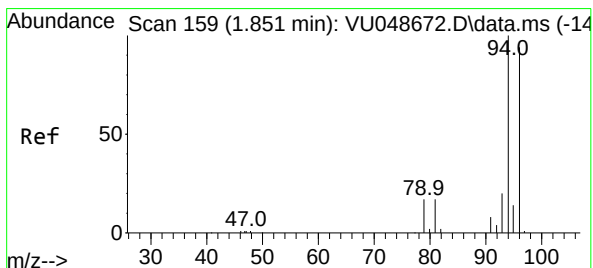
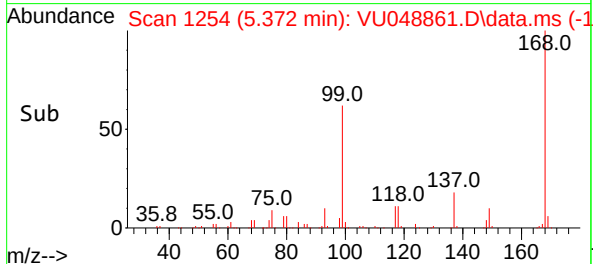
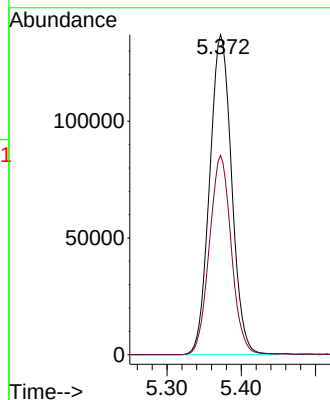
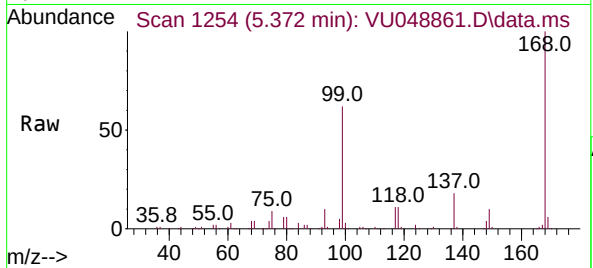




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048861.D
Acq: 03 Jun 2022 16:40

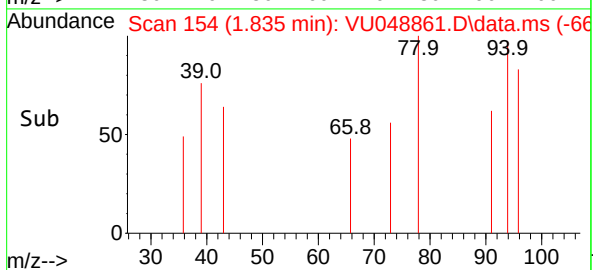
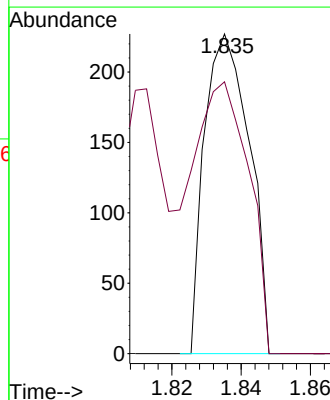
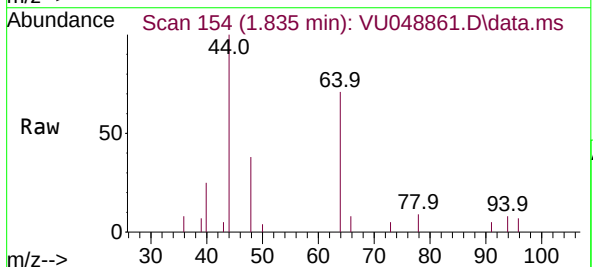
Instrument :
MSVOA_U
ClientSampleId :
SPRING-20220527RE

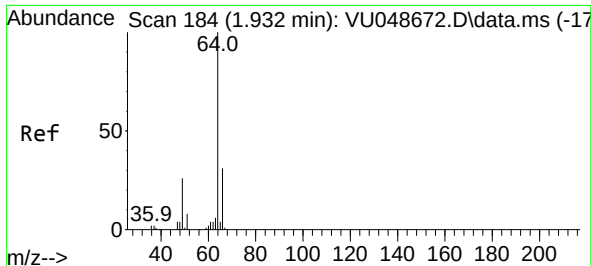
Tgt Ion:168 Resp: 282318
Ion Ratio Lower Upper
168 100
99 62.3 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 154
Delta R.T. -0.016 min
Lab File: VU048861.D
Acq: 03 Jun 2022 16:40

Tgt Ion: 94 Resp: 205
Ion Ratio Lower Upper
94 100
96 85.0 75.1 112.7

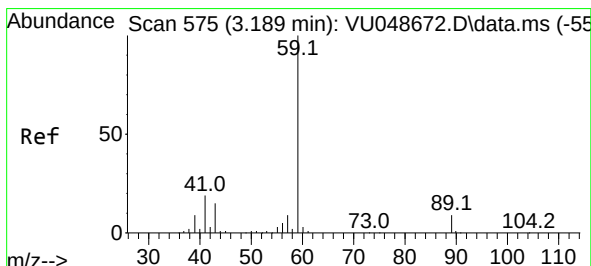
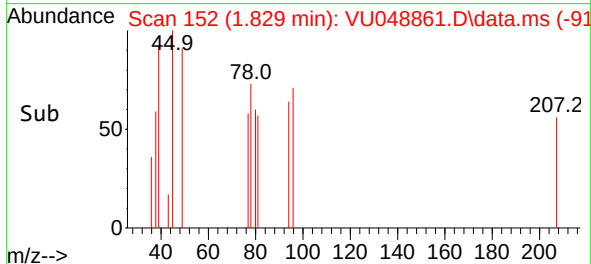
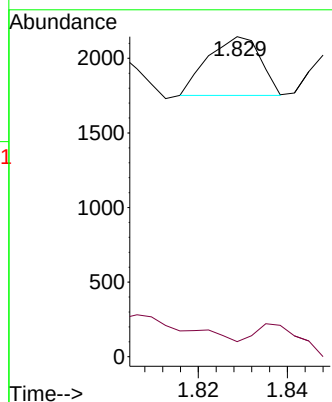
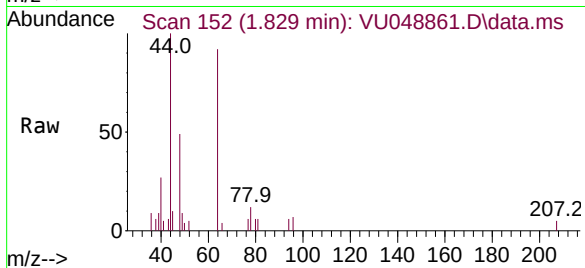




#6
Chloroethane
Concen: Below Cal
RT: 1.829 min Scan# 11
Delta R.T. -0.103 min
Lab File: VU048861.D
Acq: 03 Jun 2022 16:40

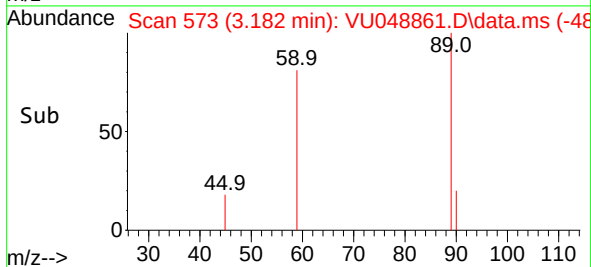
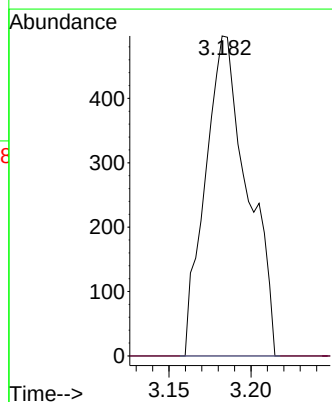
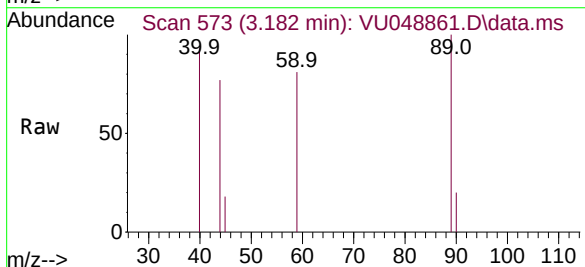
Instrument :
MSVOA_U
ClientSampleId :
SPRING-20220527RE

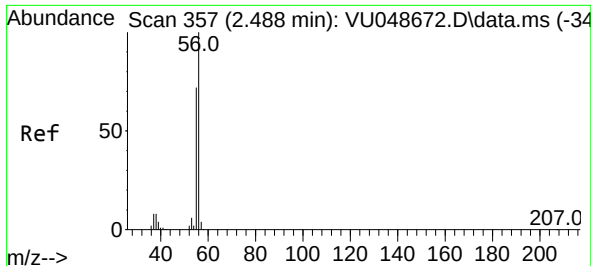
Tgt Ion: 64 Resp: 323
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 0.827 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.007 min
Lab File: VU048861.D
Acq: 03 Jun 2022 16:40

Tgt Ion: 59 Resp: 889
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

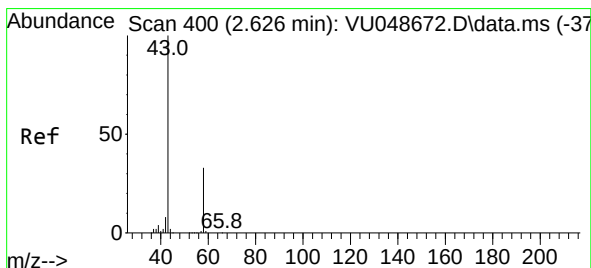
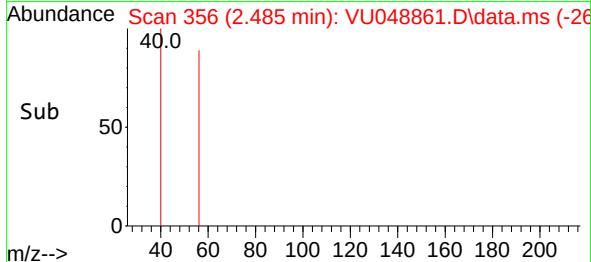
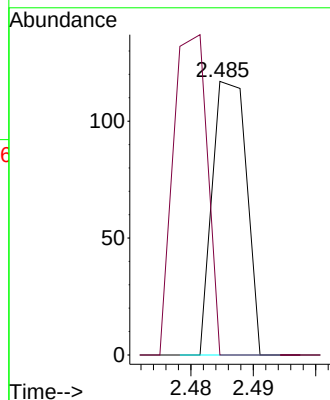
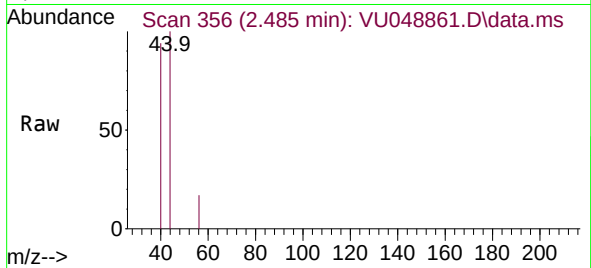




#13
Acrolein
Concen: Below Cal
RT: 2.485 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048861.D
Acq: 03 Jun 2022 16:40

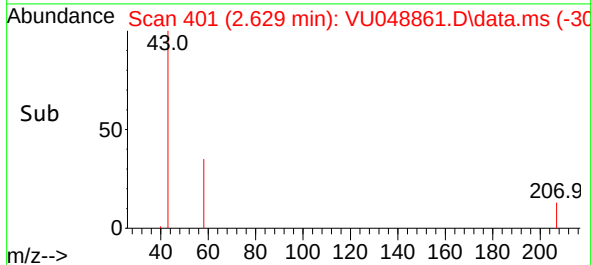
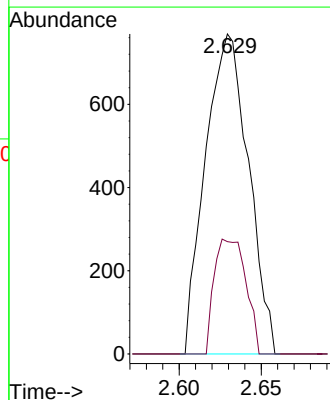
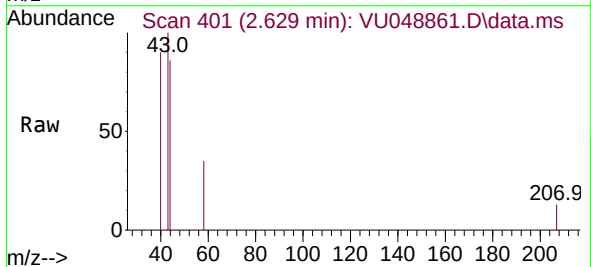
Instrument :
MSVOA_U
ClientSampleId :
SPRING-20220527RE

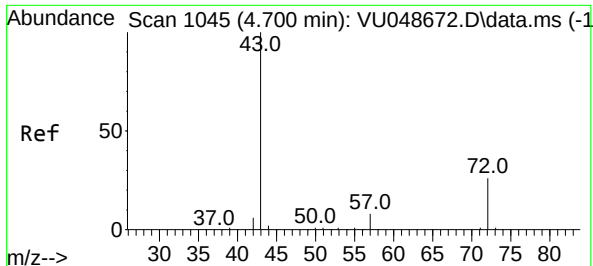
Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 115.6 57.7 86.5#



#16
Acetone
Concen: 0.648 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU048861.D
Acq: 03 Jun 2022 16:40

Tgt Ion: 43 Resp: 1400
Ion Ratio Lower Upper
43 100
58 35.1 26.3 39.5

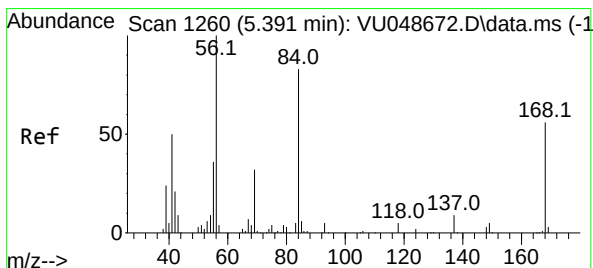
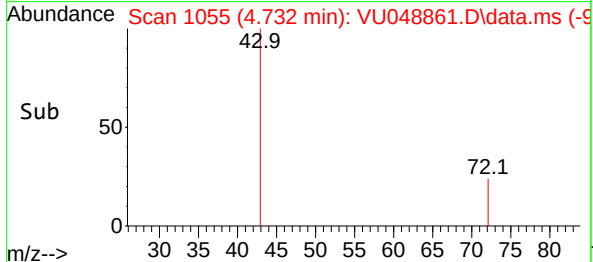
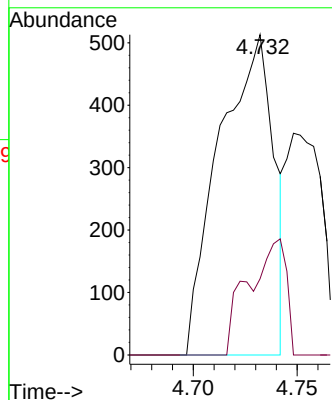
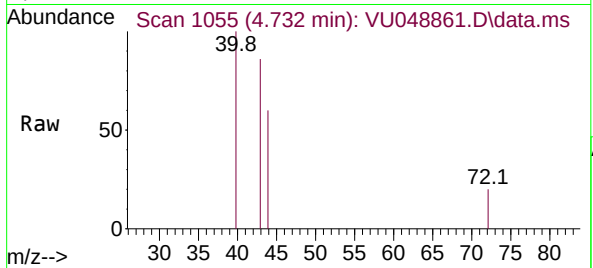




#25
2-Butanone
Concen: 0.299 ug/l
RT: 4.732 min Scan# 1055
Delta R.T. 0.032 min
Lab File: VU048861.D
Acq: 03 Jun 2022 16:40

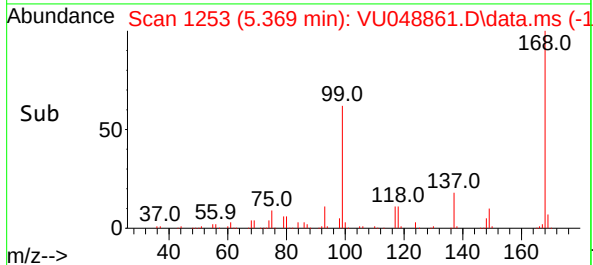
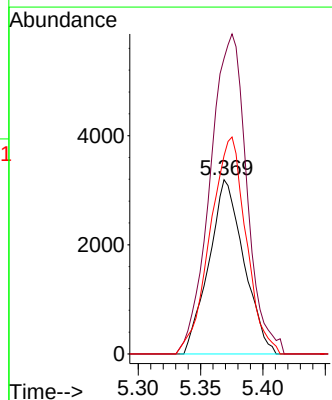
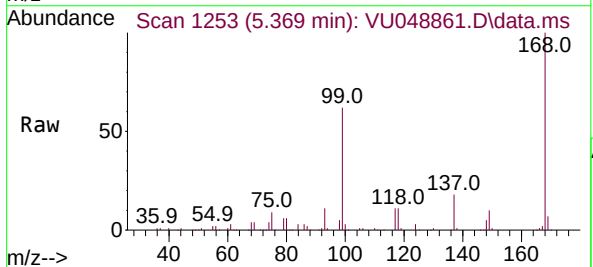
Instrument :
MSVOA_U
ClientSampleId :
SPRING-20220527RE

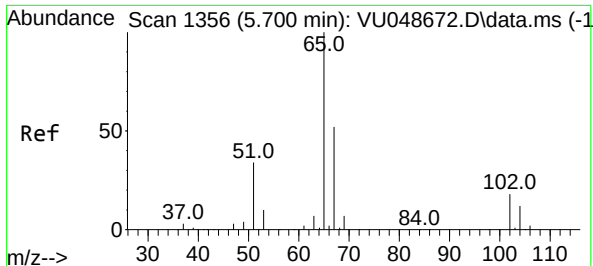
Tgt Ion: 43 Resp: 929
Ion Ratio Lower Upper
43 100
72 23.8 21.1 31.7



#31
Cyclohexane
Concen: 1.164 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.023 min
Lab File: VU048861.D
Acq: 03 Jun 2022 16:40

Tgt Ion: 56 Resp: 6220
Ion Ratio Lower Upper
56 100
69 166.2 25.6 38.4#
84 113.8 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 51.860 ug/l

RT: 5.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048861.D

Acq: 03 Jun 2022 16:40

Instrument :

MSVOA_U

ClientSampleId :

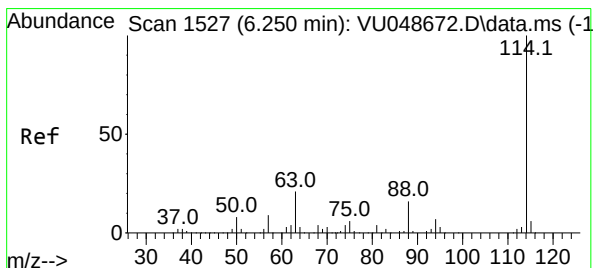
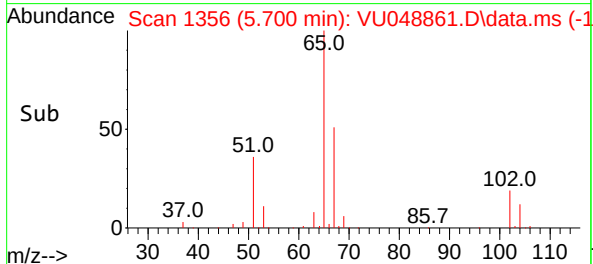
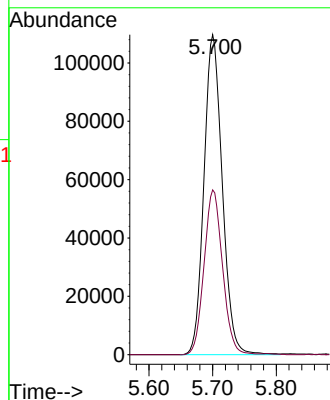
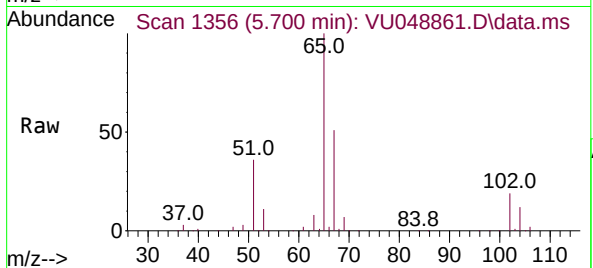
SPRING-20220527RE

Tgt Ion: 65 Resp: 219879

Ion Ratio Lower Upper

65 100

67 51.9 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: VU048861.D

Acq: 03 Jun 2022 16:40

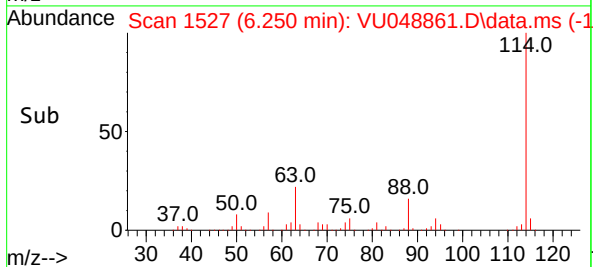
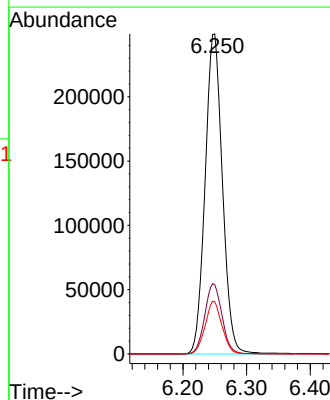
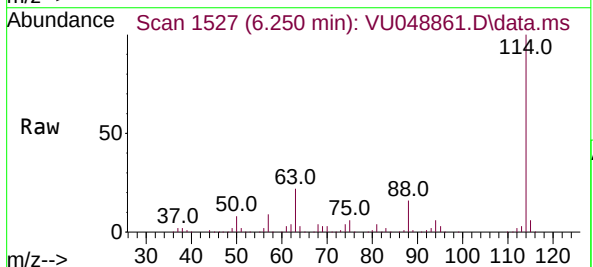
Tgt Ion: 114 Resp: 470343

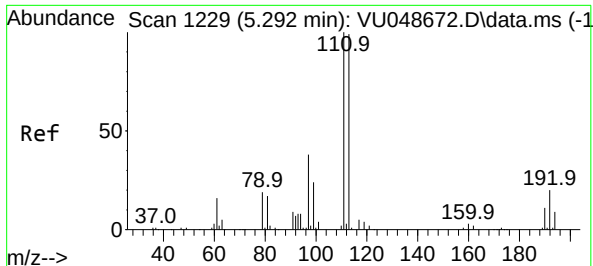
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.6

88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.676 ug/l

RT: 5.288 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048861.D

Acq: 03 Jun 2022 16:40

Instrument :

MSVOA_U

ClientSampleId :

SPRING-20220527RE

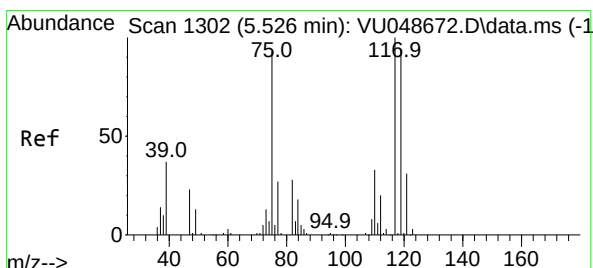
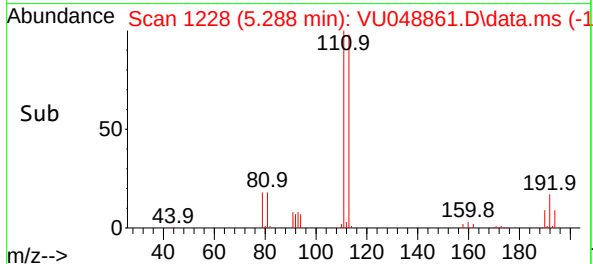
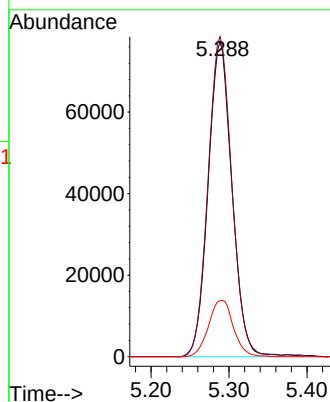
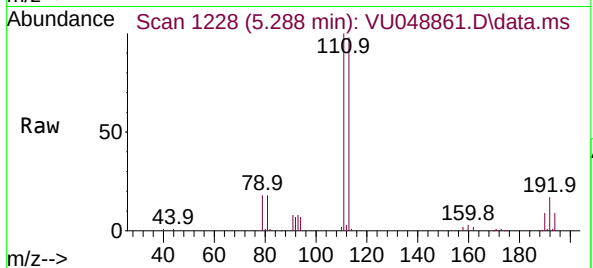
Tgt Ion:113 Resp: 163334

Ion Ratio Lower Upper

113 100

111 102.0 80.7 121.1

192 18.8 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.004 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048861.D

Acq: 03 Jun 2022 16:40

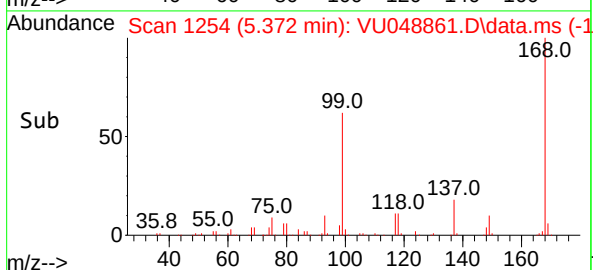
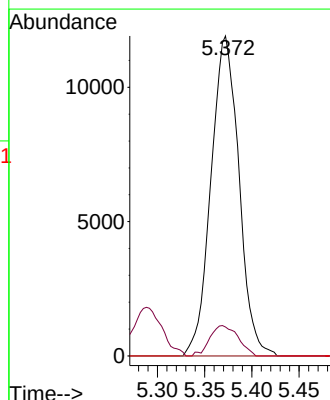
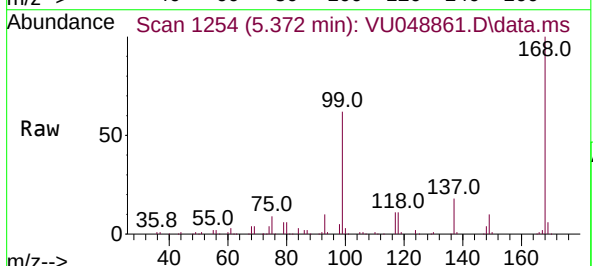
Tgt Ion: 75 Resp: 24504

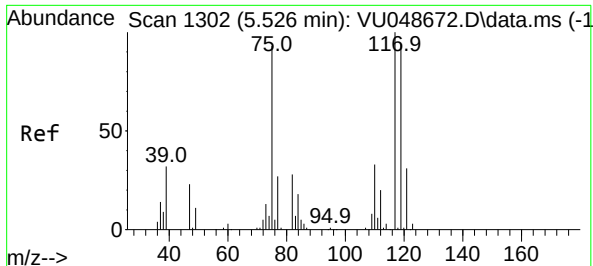
Ion Ratio Lower Upper

75 100

110 9.6 17.4 52.3#

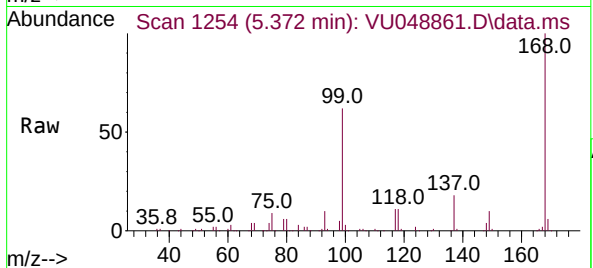
77 0.0 24.8 37.2#



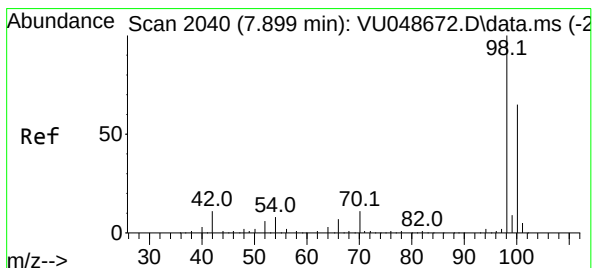
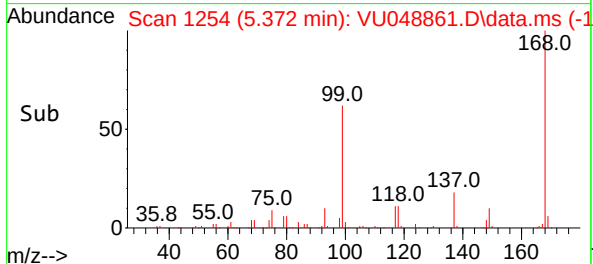
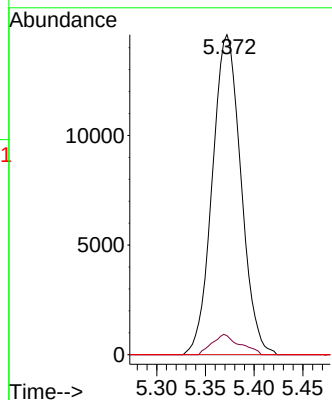


#38
Carbon Tetrachloride
Concen: 5.314 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU048861.D
Acq: 03 Jun 2022 16:40

Instrument :
MSVOA_U
ClientSampleId :
SPRING-20220527RE

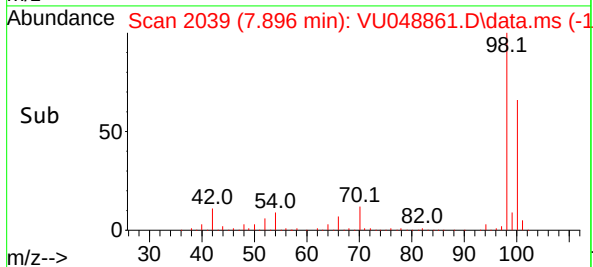
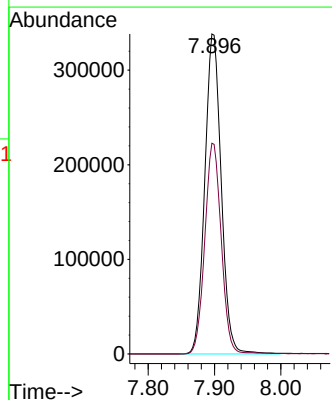
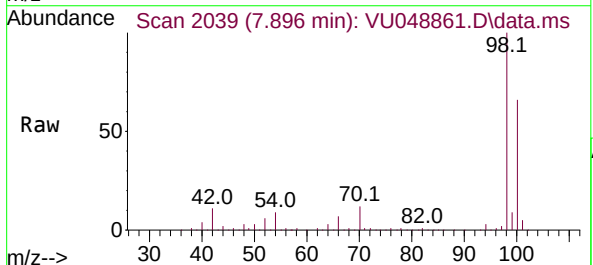


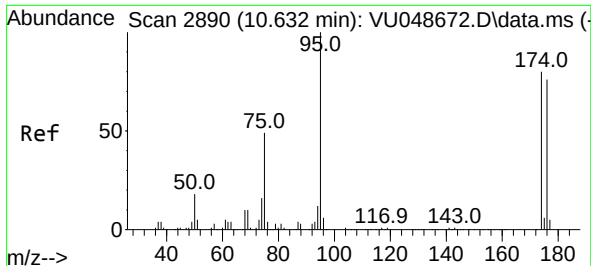
Tgt Ion:117 Resp: 29856
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 48.385 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.003 min
Lab File: VU048861.D
Acq: 03 Jun 2022 16:40

Tgt Ion: 98 Resp: 581996
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 40.872 ug/l

RT: 10.632 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048861.D

Acq: 03 Jun 2022 16:40

Instrument :

MSVOA_U

ClientSampleId :

SPRING-20220527RE

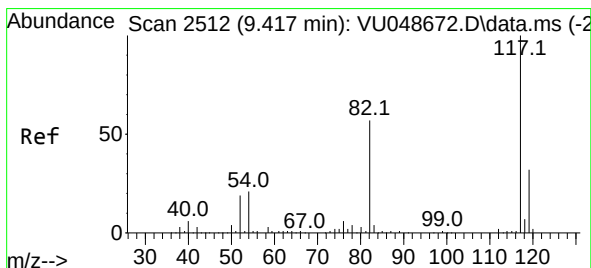
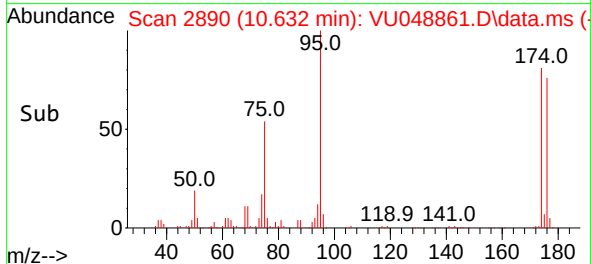
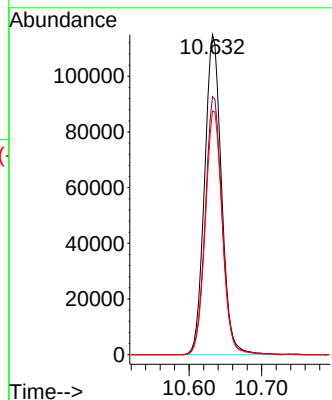
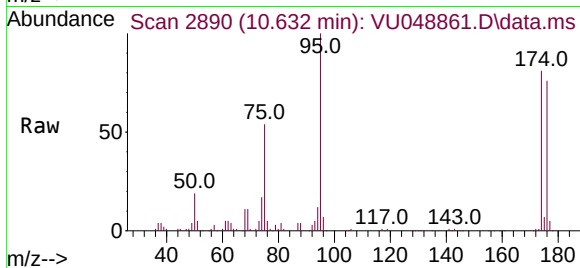
Tgt Ion: 95 Resp: 185928

Ion Ratio Lower Upper

95 100

174 81.0 0.0 159.4

176 76.8 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: VU048861.D

Acq: 03 Jun 2022 16:40

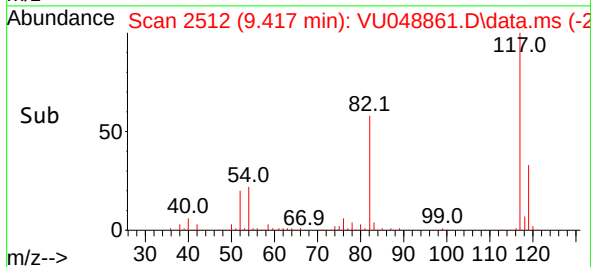
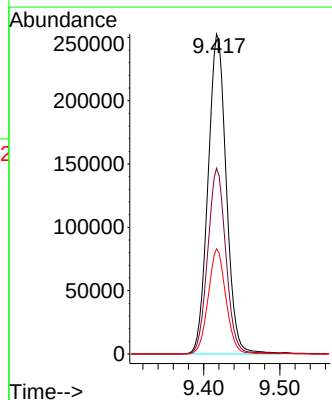
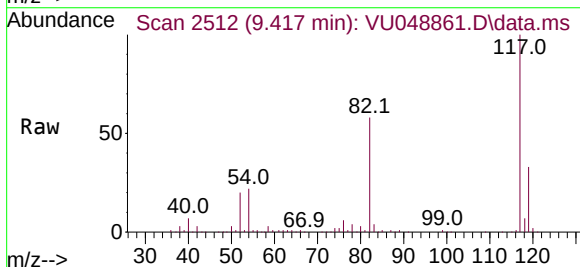
Tgt Ion: 117 Resp: 421431

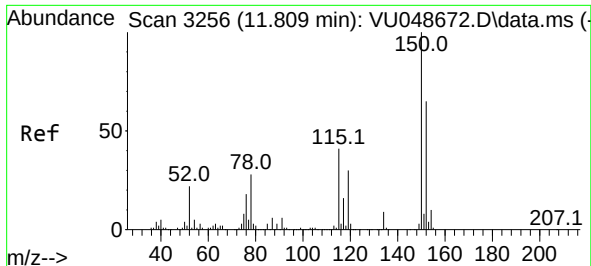
Ion Ratio Lower Upper

117 100

82 58.0 45.3 67.9

119 32.9 25.4 38.2

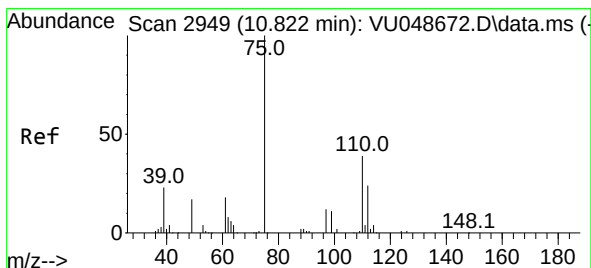
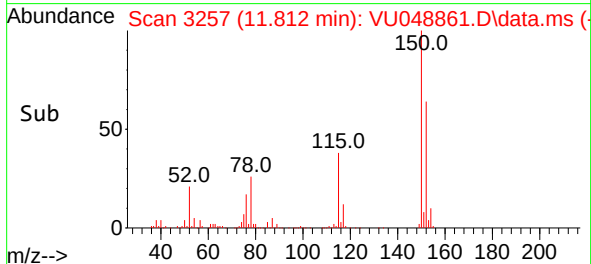
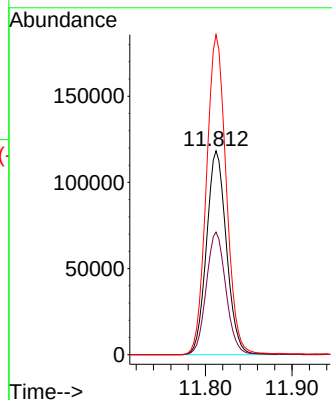
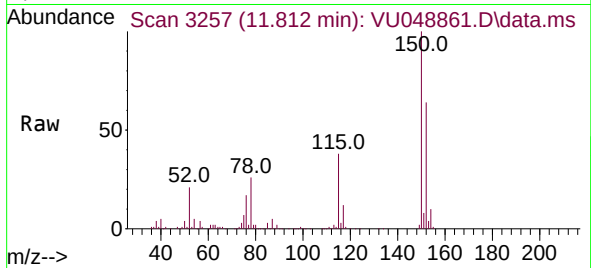




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048861.D
Acq: 03 Jun 2022 16:40

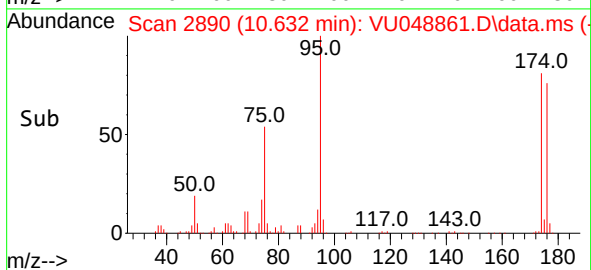
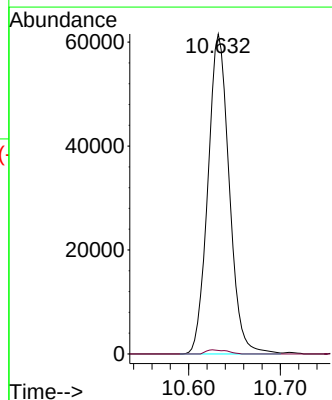
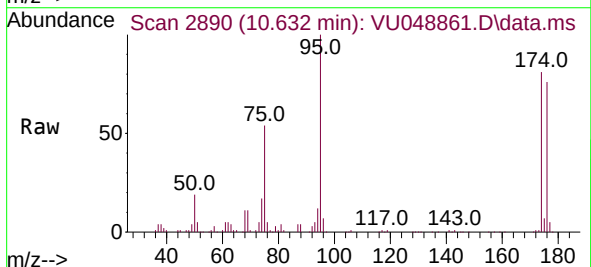
Instrument :
MSVOA_U
ClientSampleId :
SPRING-20220527RE

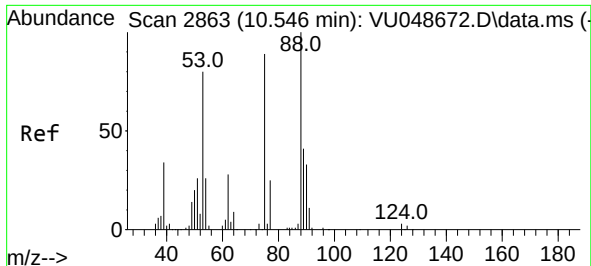
Tgt Ion:152 Resp: 189315
Ion Ratio Lower Upper
152 100
115 59.4 41.8 125.4
150 155.4 0.0 341.0



#76
1,2,3-Trichloropropane
Concen: 16.292 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048861.D
Acq: 03 Jun 2022 16:40

Tgt Ion: 75 Resp: 99447
Ion Ratio Lower Upper
75 100
77 1.3 14.8 44.3#

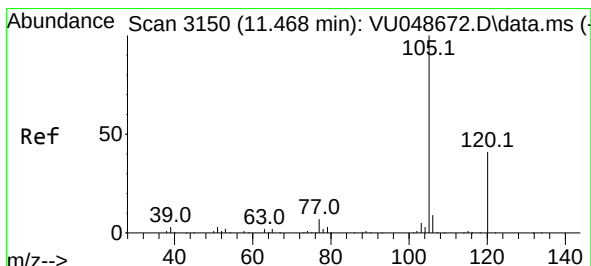
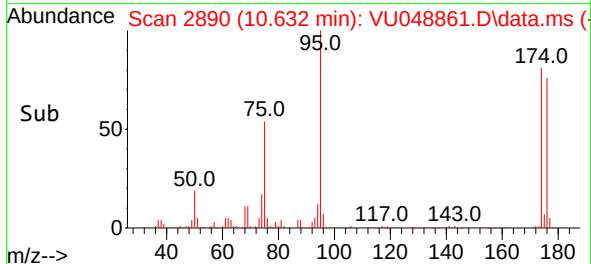
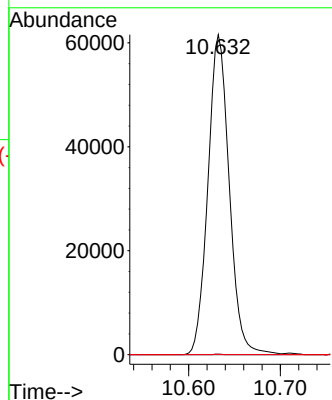
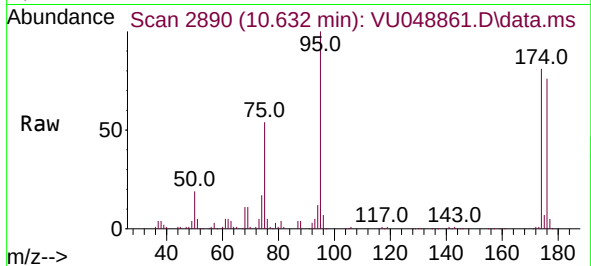




#81
trans-1,4-Dichloro-2-butene
Concen: 59.155 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048861.D
Acq: 03 Jun 2022 16:40

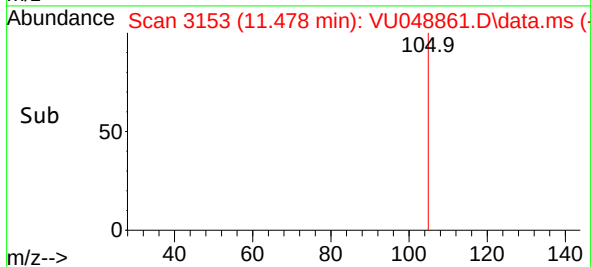
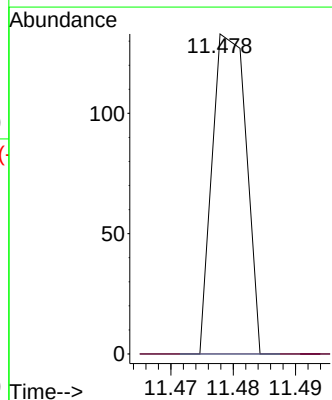
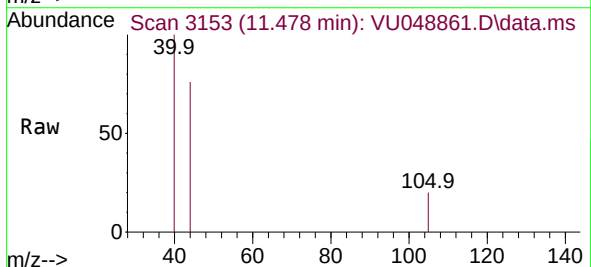
Instrument :
MSVOA_U
ClientSampleId :
SPRING-20220527RE

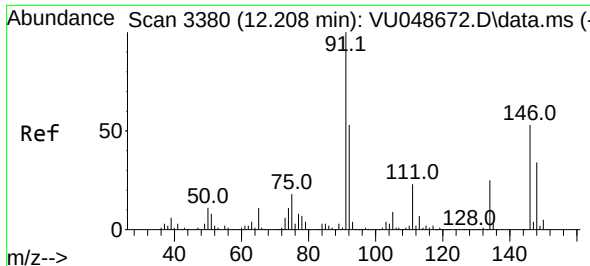
Tgt Ion: 75 Resp: 99447
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.191 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.010 min
Lab File: VU048861.D
Acq: 03 Jun 2022 16:40

Tgt Ion: 105 Resp: 50
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#

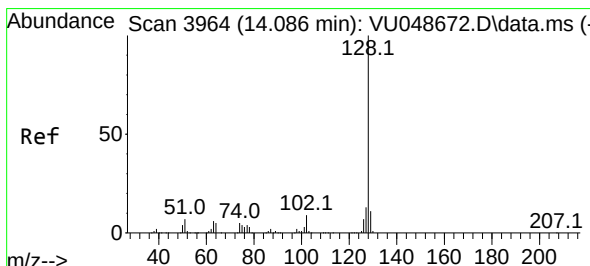
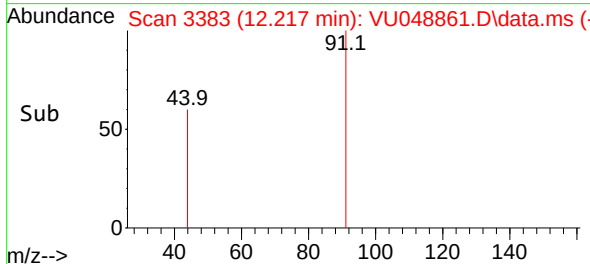
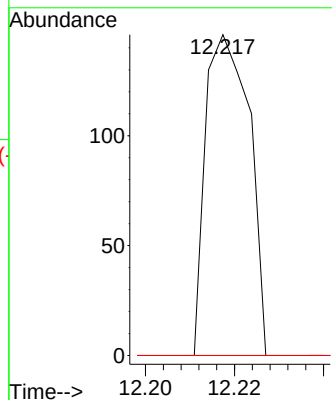
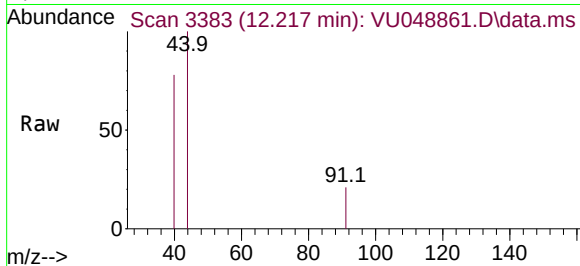




#89
n-Butylbenzene
Concen: 2.194 ug/l
RT: 12.217 min Scan# 31
Delta R.T. 0.009 min
Lab File: VU048861.D
Acq: 03 Jun 2022 16:40

Instrument :
MSVOA_U
ClientSampleId :
SPRING-20220527RE

Tgt Ion: 91	Resp:	99
Ion	Ratio	Lower Upper
91	100	
92	0.0	25.9 77.8#
134	0.0	12.5 37.5#



#95
Naphthalene
Concen: 2.625 ug/l
RT: 14.108 min Scan# 3971
Delta R.T. 0.022 min
Lab File: VU048861.D
Acq: 03 Jun 2022 16:40

Tgt Ion: 128	Resp:	1445
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.2 15.4#
129	0.0	8.7 13.1#

