

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092721\
 Data File : VU044921.D
 Acq On : 28 Sep 2021 05:01
 Operator : SY/MD
 Sample : M3915-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RW4-20210922

Quant Time: Sep 28 06:32:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 25 09:30:46 2021
 Response via : Initial Calibration

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

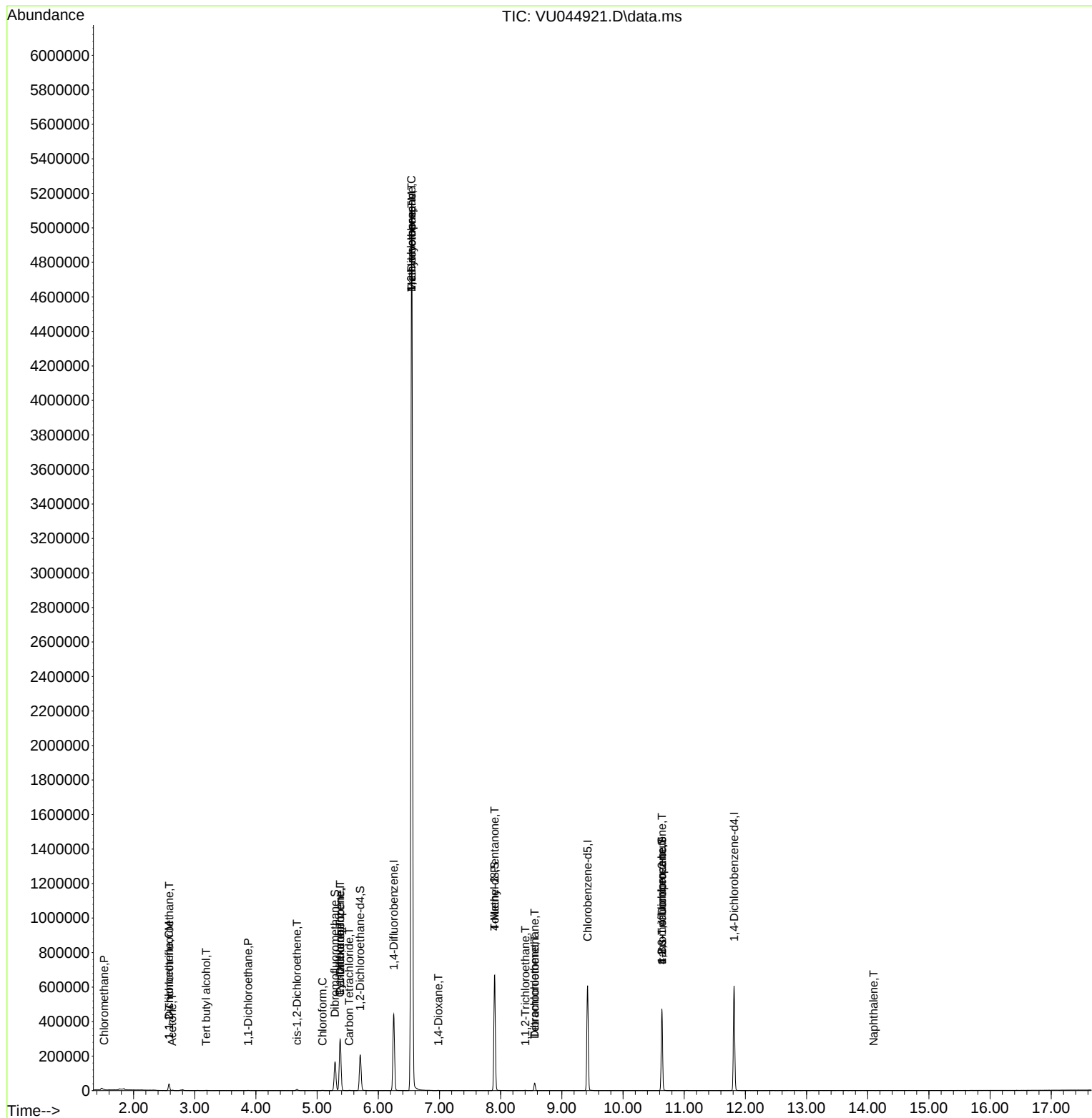
Internal Standards						
1) Pentafluorobenzene	5.375	168	193516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	346145	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	313990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	147451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	155462	46.030	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.060%	
35) Dibromofluoromethane	5.292	113	105904	44.598	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.200%	
50) Toluene-d8	7.902	98	428888	47.822	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.640%	
62) 4-Bromofluorobenzene	10.635	95	155837	46.783	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.560%	
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	892	0.254	ug/l	92
5) Bromomethane	1.838	94	306	Below Cal		99
6) Chloroethane	1.922	64	163	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	2.581	101	11235	4.772	ug/l	97
11) Tert butyl alcohol	3.186	59	1039	1.054	ug/l	# 72
12) 1,1-Dichloroethene	2.578	96	3899	1.673	ug/l	88
16) Acetone	2.629	43	2559	1.343	ug/l	98
24) 1,1-Dichloroethane	3.874	63	1399	0.270	ug/l	# 83
27) cis-1,2-Dichloroethene	4.671	96	3596	1.185	ug/l	92
30) Chloroform	5.089	83	1585	0.304	ug/l	94
31) Cyclohexane	5.372	56	4719	0.973	ug/l	# 1
36) 1,1-Dichloropropene	5.375	75	18309	4.985	ug/l	# 49
38) Carbon Tetrachloride	5.526	117	895	0.273	ug/l	# 83
39) Methylcyclohexane	6.546	83	21159	5.094	ug/l	# 1
44) Trichloroethene	6.546	130	1607276	597.248	ug/l	96
45) 1,2-Dichloropropane	6.542	63	6320	2.086	ug/l	# 1
49) 1,4-Dioxane	6.983	88	1154	12.689	ug/l	# 81
51) 4-Methyl-2-Pentanone	7.899	43	2157	0.401	ug/l	# 1
55) 1,1,2-Trichloroethane	8.404	97	791	0.276	ug/l	# 88
60) Dibromochloromethane	8.555	129	8964	3.270	ug/l	# 10
64) Tetrachloroethene	8.555	164	9002	4.230	ug/l	97
76) 1,2,3-Trichloropropane	10.635	75	84407	18.904	ug/l	# 41
81) trans-1,4-Dichloro-2-b...	10.635	75	84407	61.238	ug/l	# 9
95) Naphthalene	14.098	128	360	0.974	ug/l	# 69

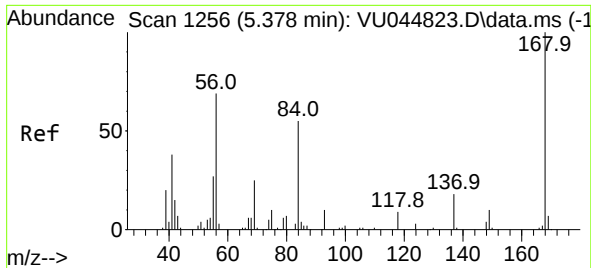
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Sep 25 09:30:46 2021
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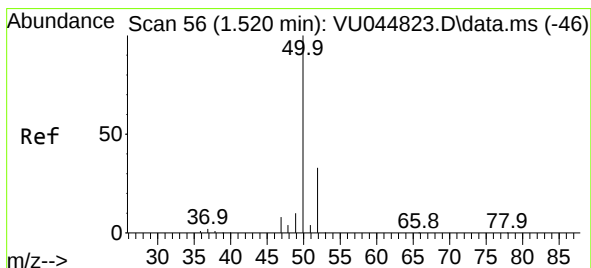
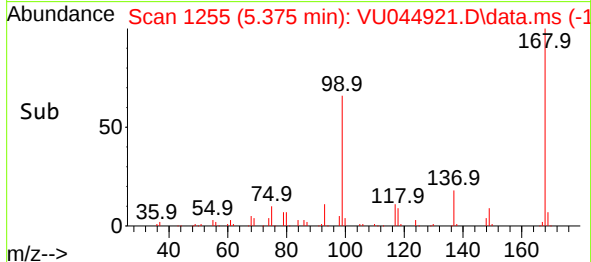
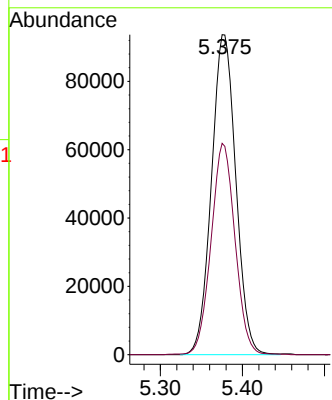
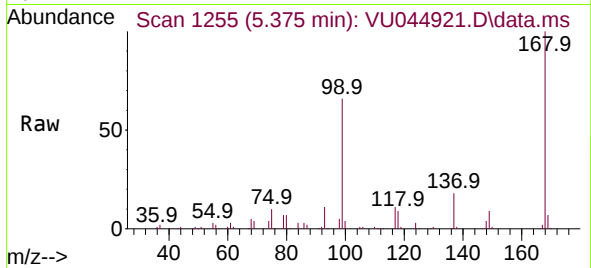




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.003 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

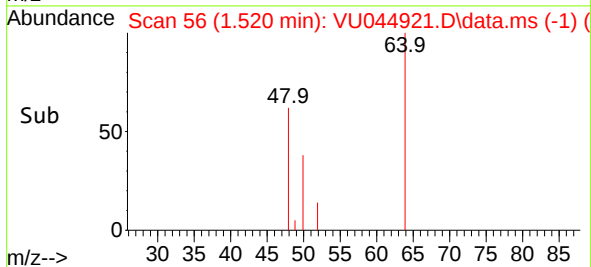
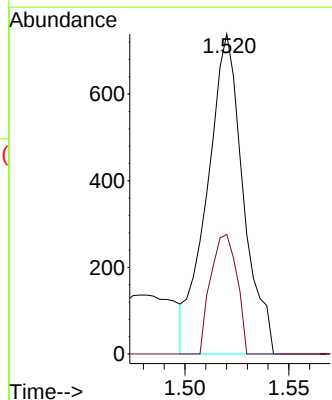
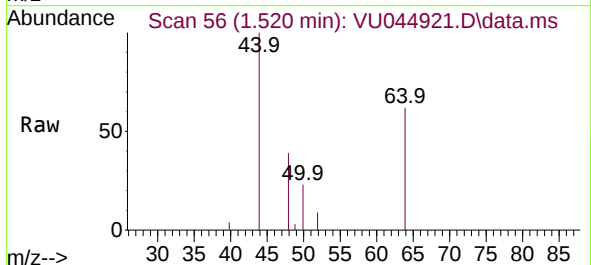
Instrument :
MSVOA_U
ClientSampleId :
RW4-20210922

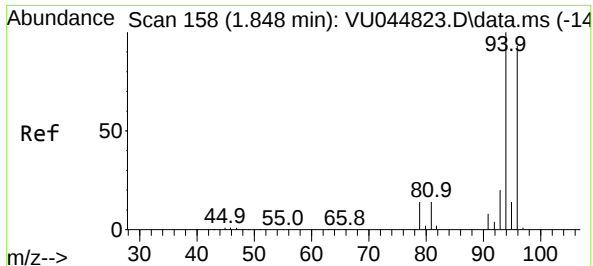
Tgt Ion:168 Resp: 193516
Ion Ratio Lower Upper
168 100
99 65.9 51.4 77.0



#3
Chloromethane
Concen: 0.254 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

Tgt Ion: 50 Resp: 892
Ion Ratio Lower Upper
50 100
52 37.3 26.3 39.5

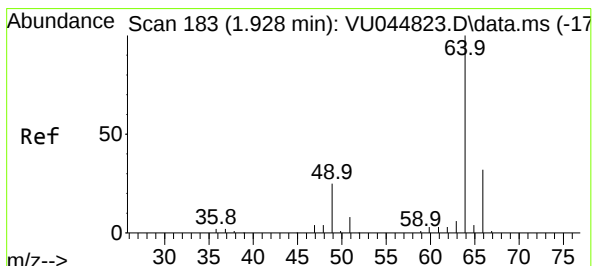
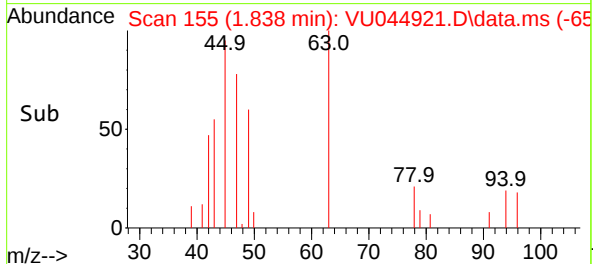
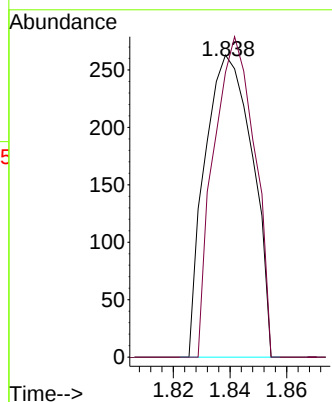
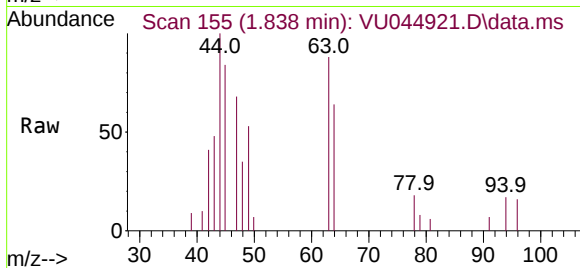




#5
Bromomethane
Concen: Below Cal
RT: 1.838 min Scan# 155
Delta R.T. -0.010 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

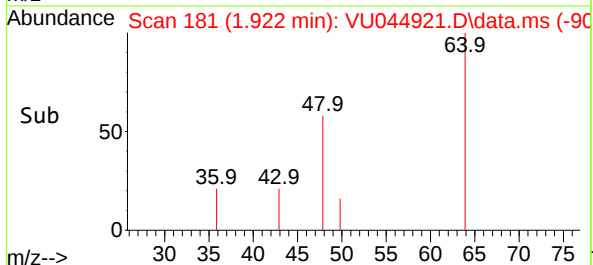
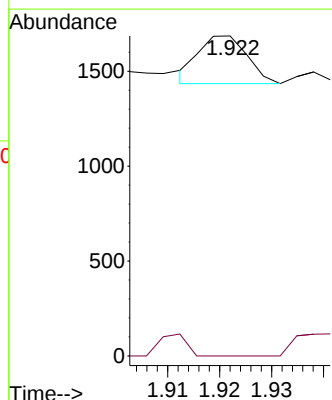
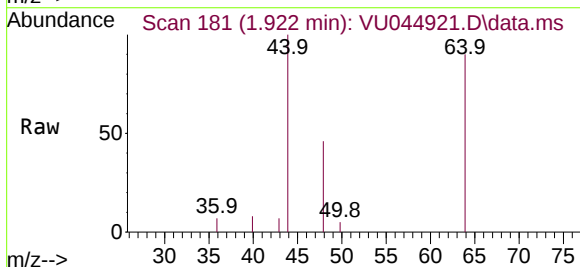
Instrument :
MSVOA_U
ClientSampleId :
RW4-20210922

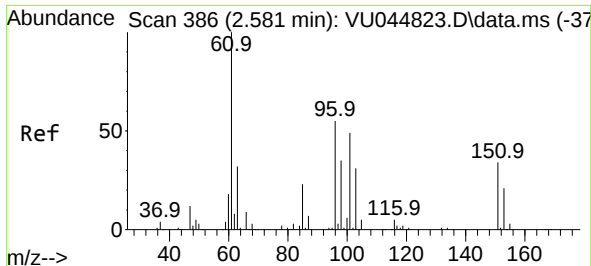
Tgt Ion: 94 Resp: 306
Ion Ratio Lower Upper
94 100
96 94.3 74.5 111.7



#6
Chloroethane
Concen: Below Cal
RT: 1.922 min Scan# 181
Delta R.T. -0.006 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

Tgt Ion: 64 Resp: 163
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#

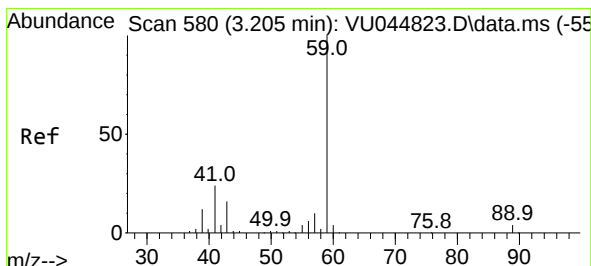
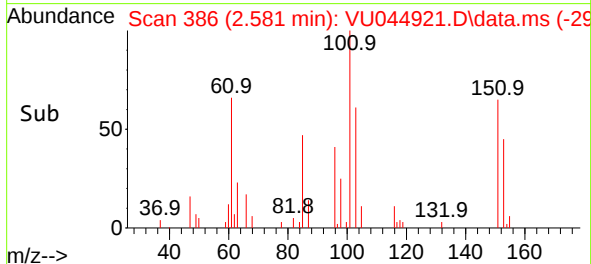
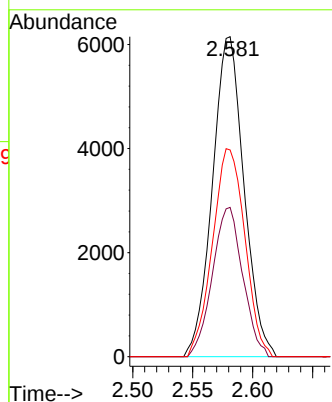
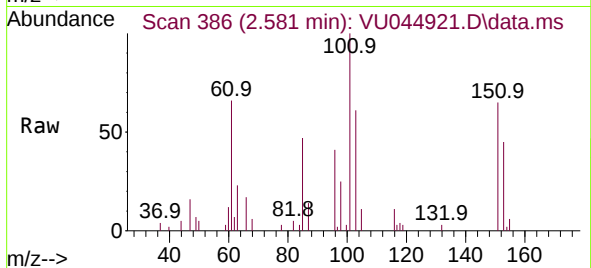




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.772 ug/l
RT: 2.581 min Scan# 386
Delta R.T. -0.000 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

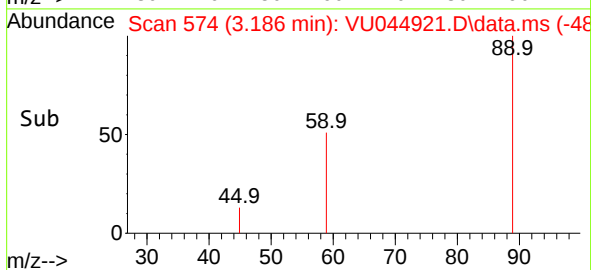
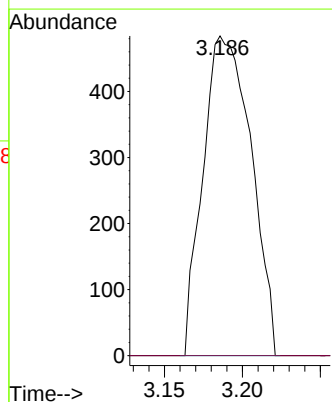
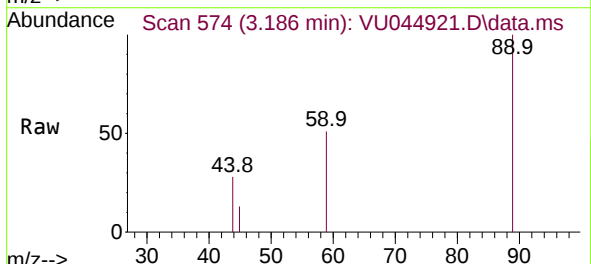
Instrument :
MSVOA_U
ClientSampleId :
RW4-20210922

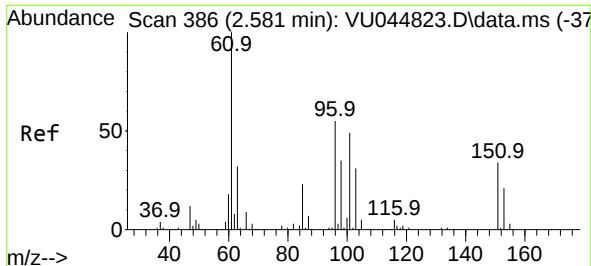
Tgt Ion:	101	Resp:	11235
Ion	Ratio	Lower	Upper
101	100		
85	44.9	37.2	55.8
151	66.7	55.8	83.8



#11
Tert butyl alcohol
Concen: 1.054 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.019 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

Tgt Ion:	59	Resp:	1039
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5





#12

1,1-Dichloroethene

Concen: 1.673 ug/l

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU044921.D

Acq: 28 Sep 2021 05:01

Tgt Ion: 96 Resp: 3899

Ion Ratio Lower Upper

96 100

61 161.2 145.4 218.0

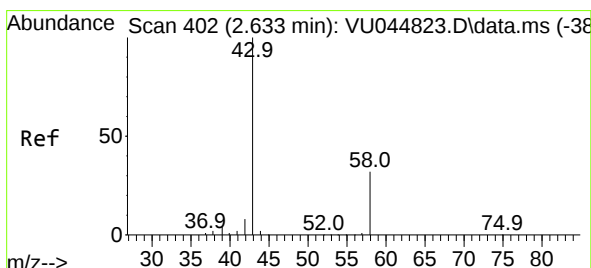
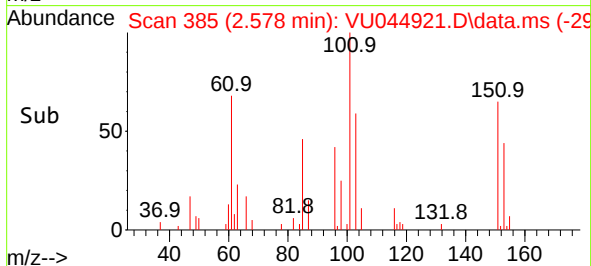
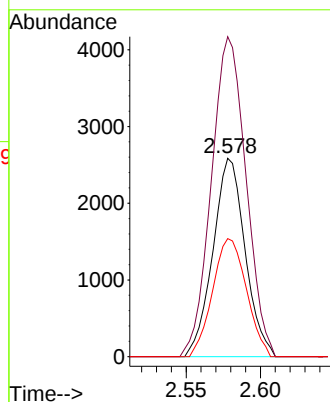
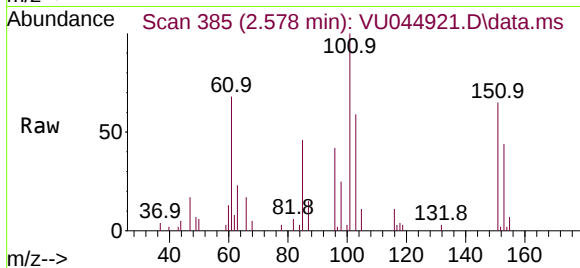
98 59.5 50.9 76.3

Instrument :

MSVOA_U

ClientSampleId :

RW4-20210922



#16

Acetone

Concen: 1.343 ug/l

RT: 2.629 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU044921.D

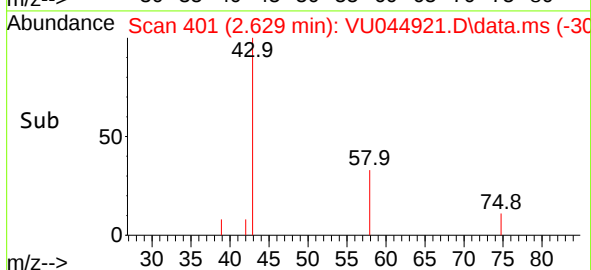
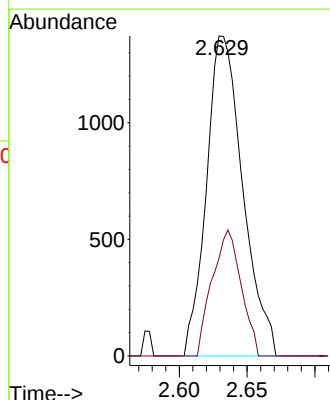
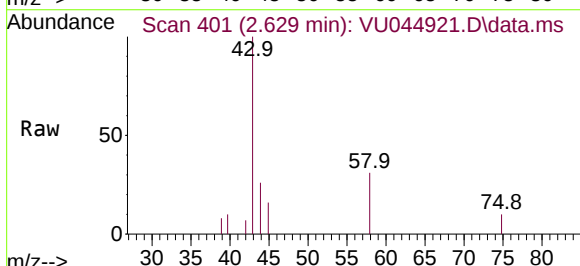
Acq: 28 Sep 2021 05:01

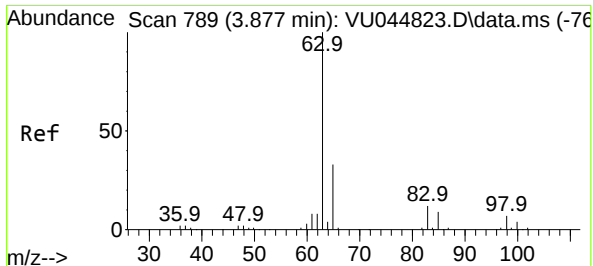
Tgt Ion: 43 Resp: 2559

Ion Ratio Lower Upper

43 100

58 30.6 25.2 37.8

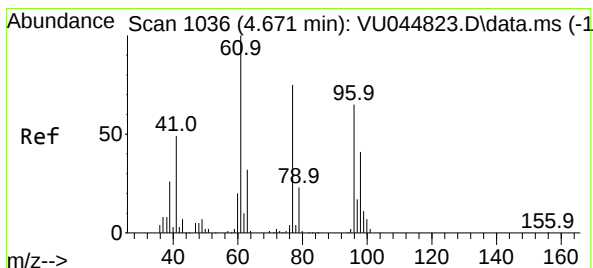
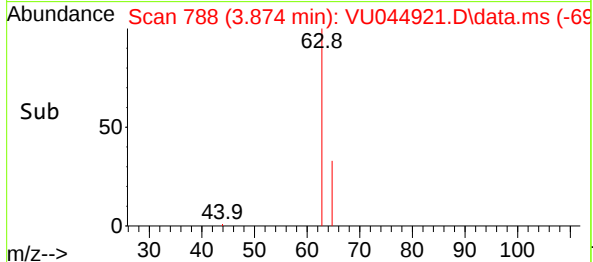
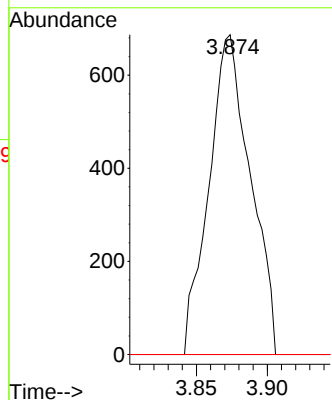
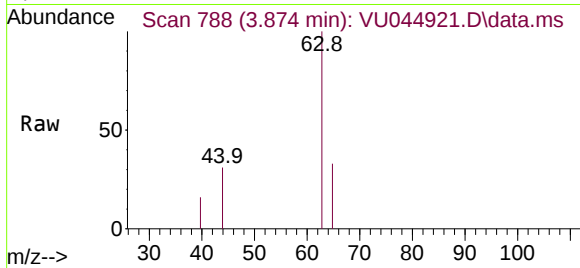




#24
1,1-Dichloroethane
Concen: 0.270 ug/l
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

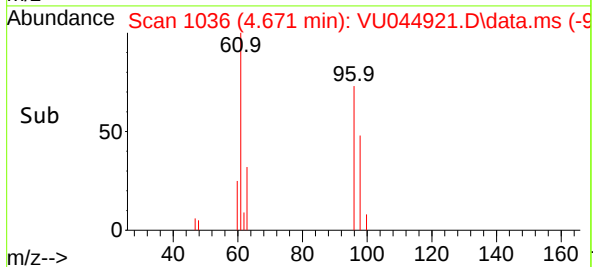
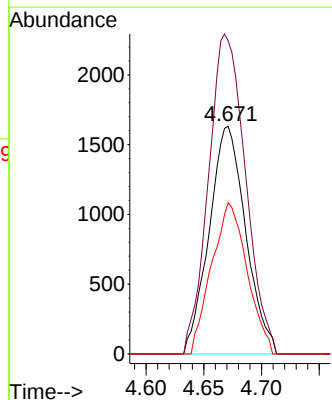
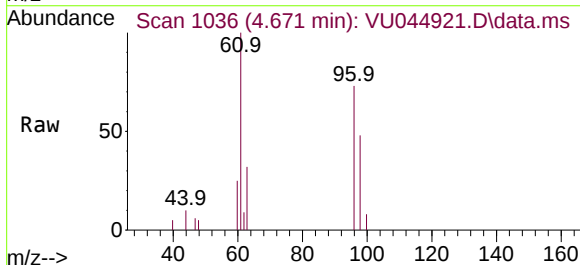
Instrument :
MSVOA_U
ClientSampleId :
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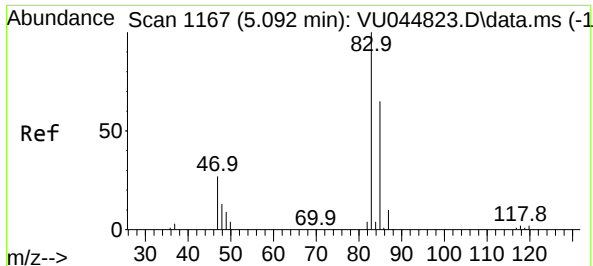
Tgt Ion: 63 Resp: 1399
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.1 6.3#



#27
cis-1,2-Dichloroethene
Concen: 1.185 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

Tgt Ion: 96 Resp: 3596
Ion Ratio Lower Upper
96 100
61 142.1 0.0 313.4
98 64.5 0.0 127.0





#30

Chloroform

Concen: 0.304 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU044921.D

Acq: 28 Sep 2021 05:01

Instrument :

MSVOA_U

ClientSampleId :

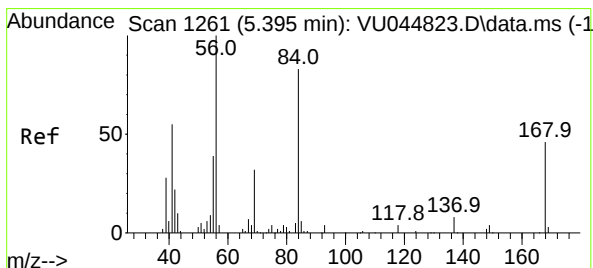
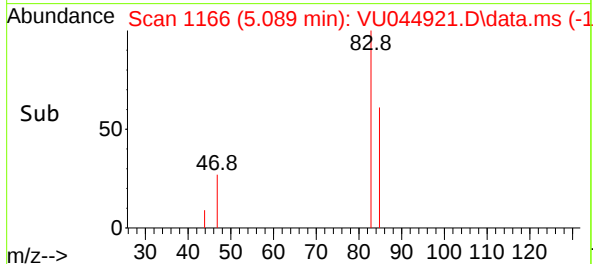
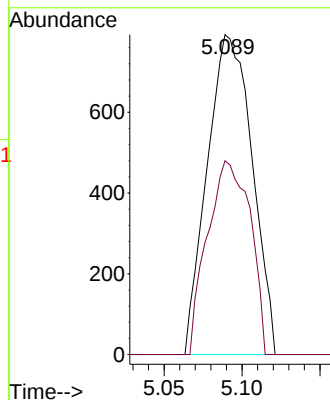
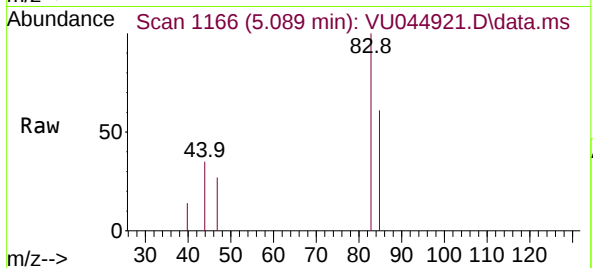
RW4-20210922

Tgt Ion: 83 Resp: 1585

Ion Ratio Lower Upper

83 100

85 60.6 52.1 78.1



#31

Cyclohexane

Concen: 0.973 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.023 min

Lab File: VU044921.D

Acq: 28 Sep 2021 05:01

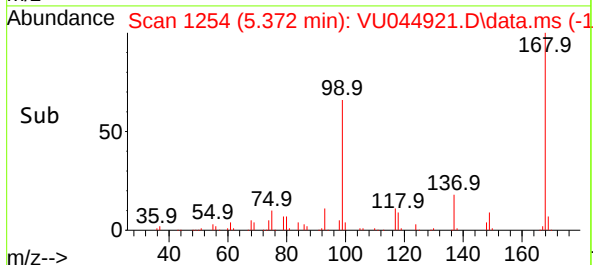
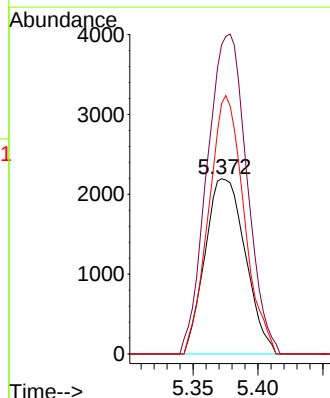
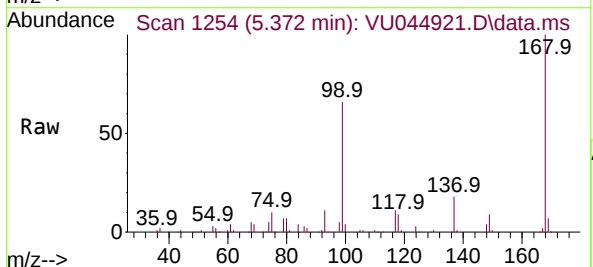
Tgt Ion: 56 Resp: 4719

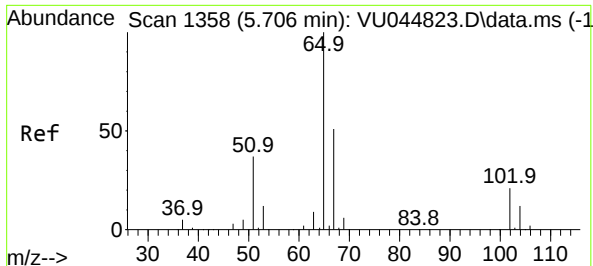
Ion Ratio Lower Upper

56 100

69 176.7 25.2 37.8#

84 143.0 66.4 99.6#



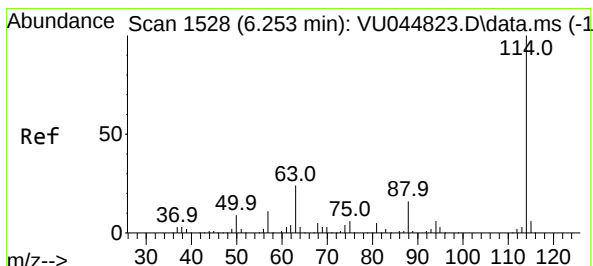
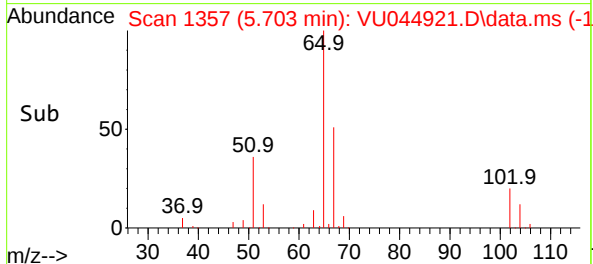
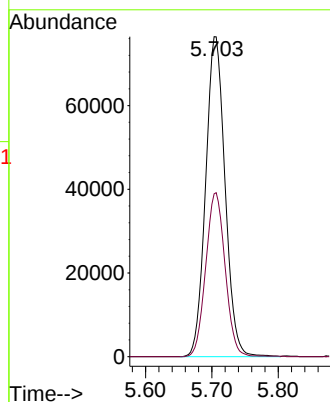
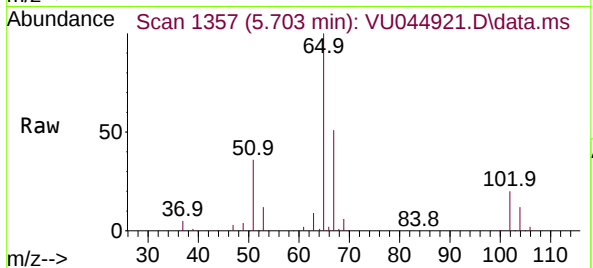


#33

1,2-Dichloroethane-d4
Concen: 46.030 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

Instrument :
MSVOA_U
ClientSampleId :
RW4-20210922

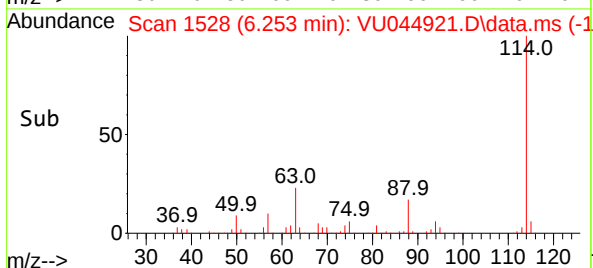
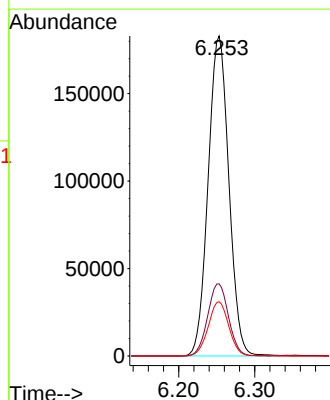
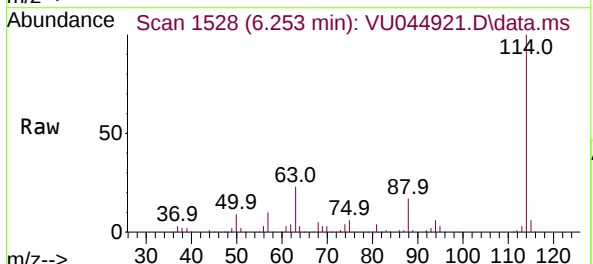
Tgt Ion: 65 Resp: 155462
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.8

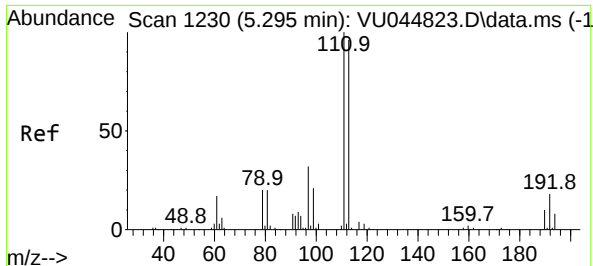


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

Tgt Ion: 114 Resp: 346145
Ion Ratio Lower Upper
114 100
63 22.5 0.0 47.8
88 16.9 0.0 32.8

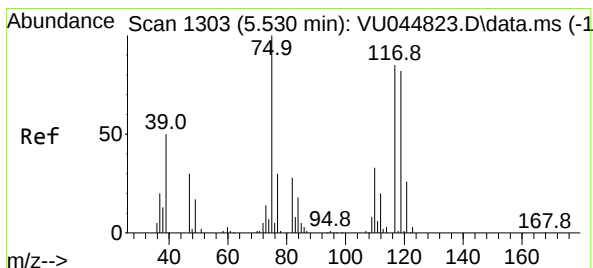
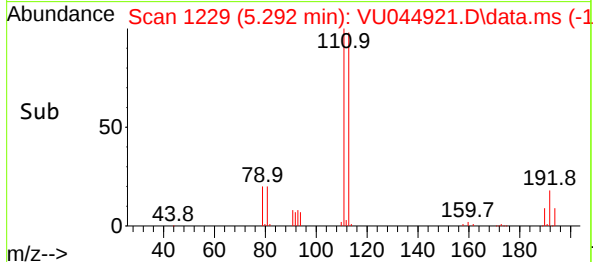
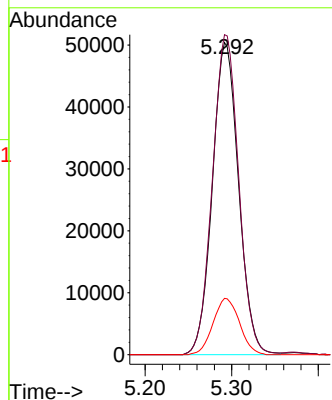
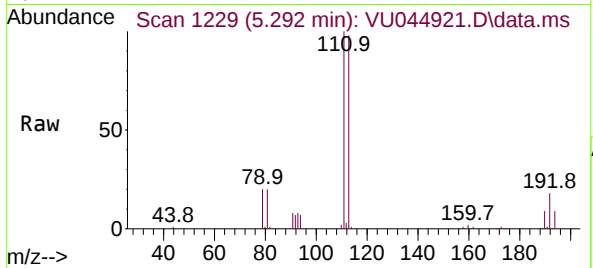




#35
Dibromofluoromethane
Concen: 44.598 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.003 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

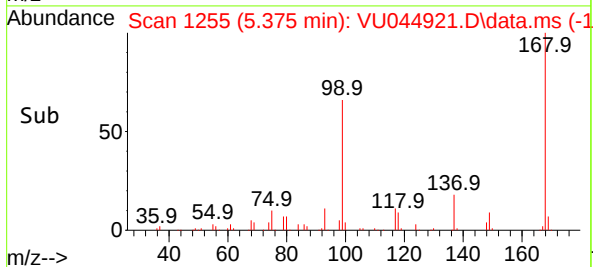
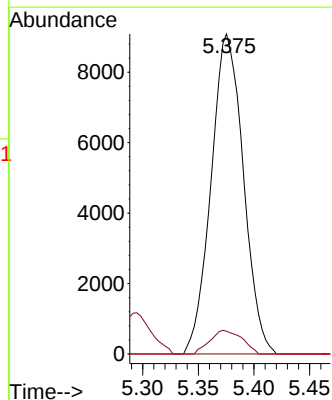
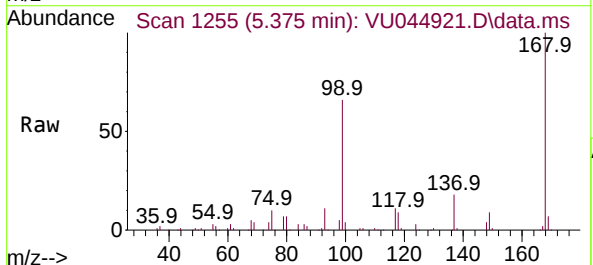
Instrument :
MSVOA_U
ClientSampleId :
RW4-20210922

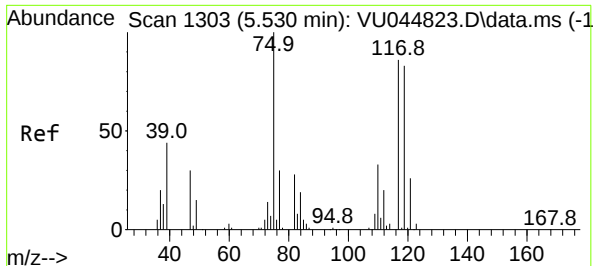
Tgt Ion:113 Resp: 105904
Ion Ratio Lower Upper
113 100
111 102.7 84.1 126.1
192 18.2 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.985 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

Tgt Ion: 75 Resp: 18309
Ion Ratio Lower Upper
75 100
110 7.3 16.3 48.9#
77 0.0 25.0 37.4#

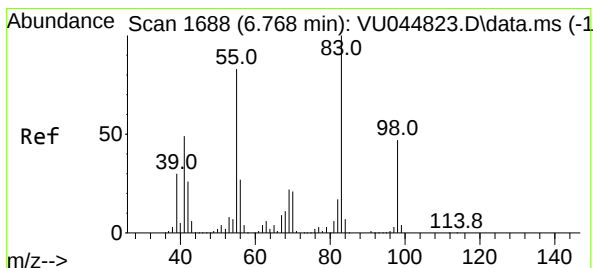
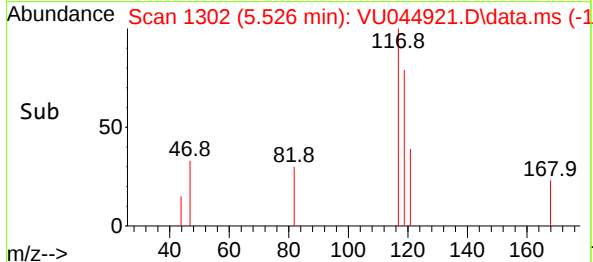
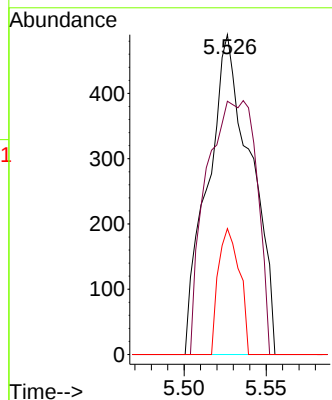
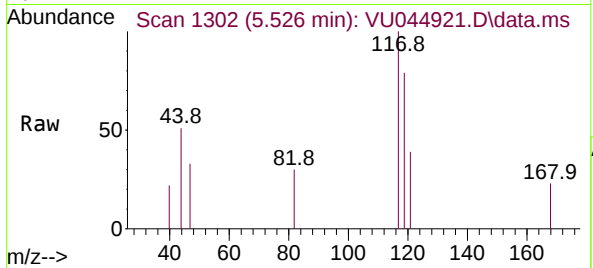




#38
Carbon Tetrachloride
Concen: 0.273 ug/l
RT: 5.526 min Scan# 1302
Delta R.T. -0.003 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

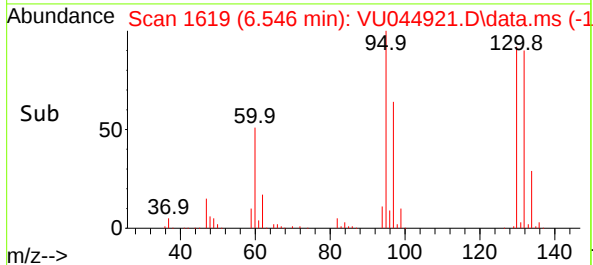
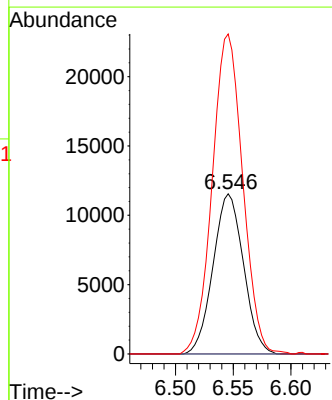
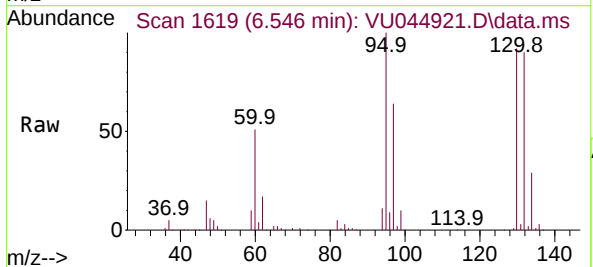
Instrument :
MSVOA_U
ClientSampleId :
RW4-20210922

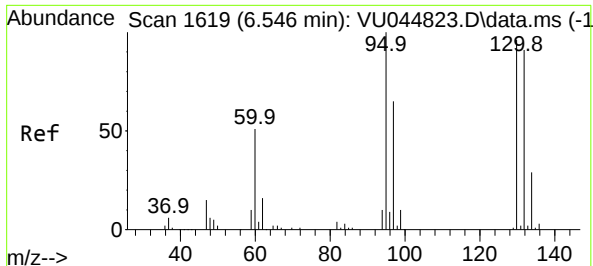
Tgt Ion:117 Resp: 895
Ion Ratio Lower Upper
117 100
119 79.2 77.4 116.2
121 39.4 24.5 36.7#



#39
Methylcyclohexane
Concen: 5.094 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. -0.222 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

Tgt Ion: 83 Resp: 21159
Ion Ratio Lower Upper
83 100
55 0.0 66.2 99.4#
98 199.7 37.5 56.3#

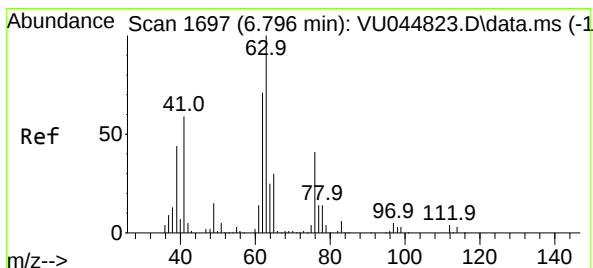
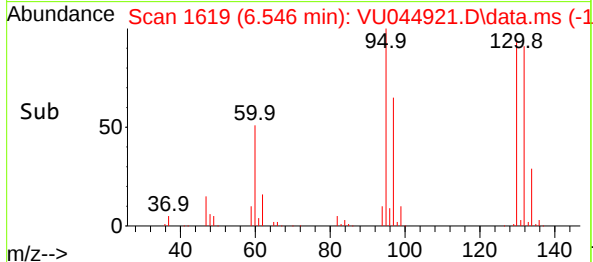
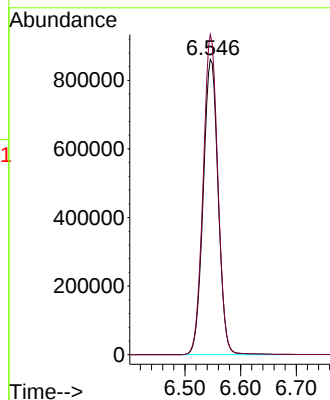
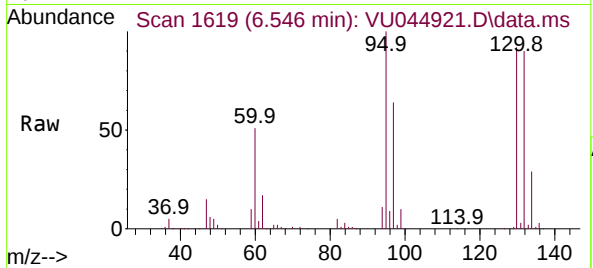




#44
Trichloroethene
Concen: 597.248 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

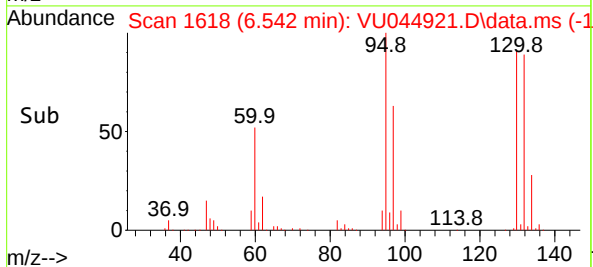
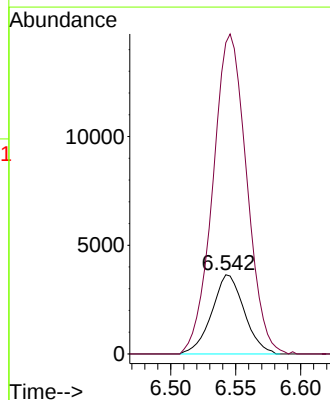
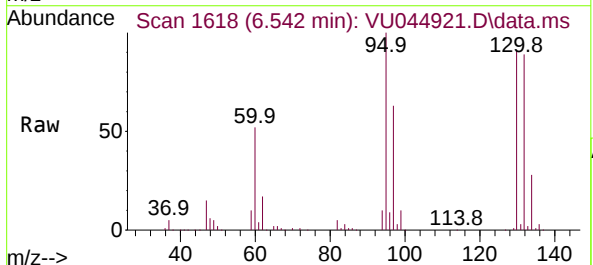
Instrument :
MSVOA_U
ClientSampleId :
RW4-20210922

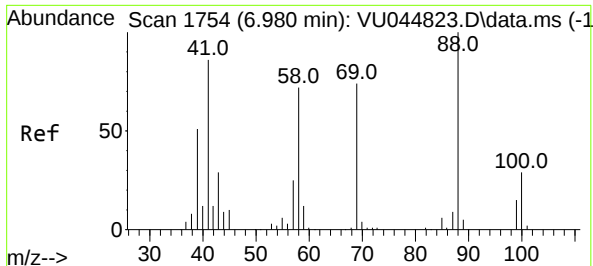
Tgt Ion:130 Resp: 1607276
Ion Ratio Lower Upper
130 100
95 108.4 0.0 209.0



#45
1,2-Dichloropropane
Concen: 2.086 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. -0.254 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

Tgt Ion: 63 Resp: 6320
Ion Ratio Lower Upper
63 100
65 393.4 23.9 35.9#





#49

1,4-Dioxane

Concen: 12.689 ug/l

RT: 6.983 min Scan# 1755

Delta R.T. 0.003 min

Lab File: VU044921.D

Acq: 28 Sep 2021 05:01

Tgt Ion: 88 Resp: 1154

Ion Ratio Lower Upper

88 100

43 28.8 25.8 38.6

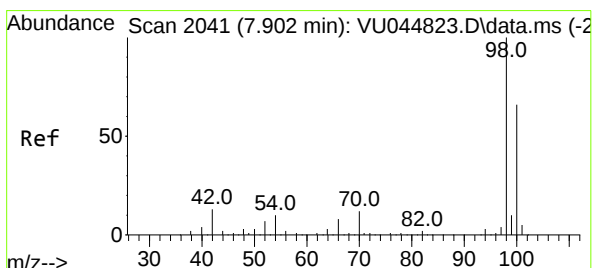
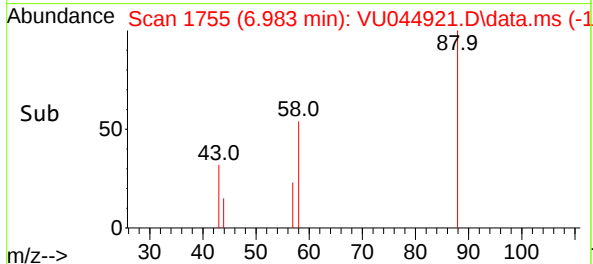
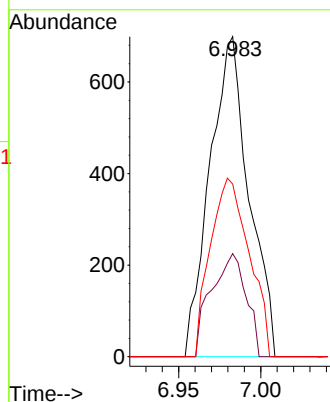
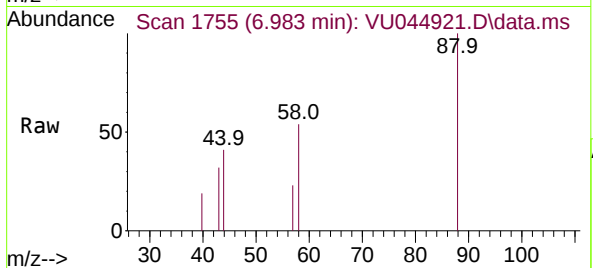
58 55.5 61.3 91.9#

Instrument :

MSVOA_U

ClientSampleId :

RW4-20210922



#50

Toluene-d8

Concen: 47.822 ug/l

RT: 7.902 min Scan# 2041

Delta R.T. -0.000 min

Lab File: VU044921.D

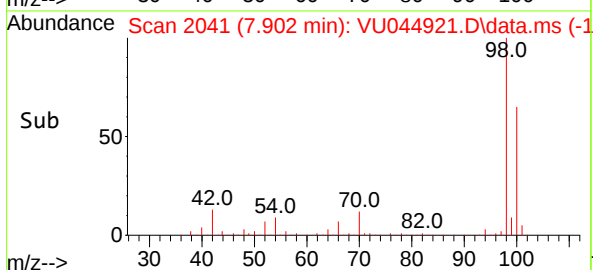
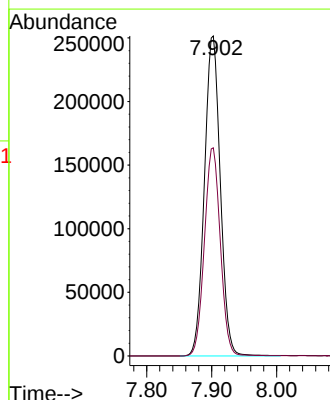
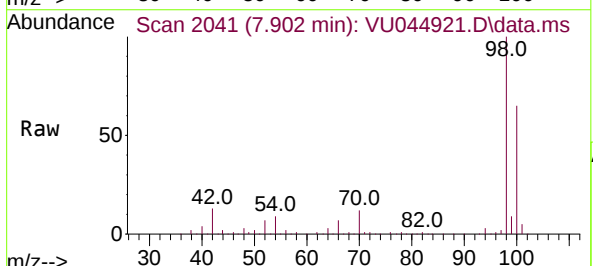
Acq: 28 Sep 2021 05:01

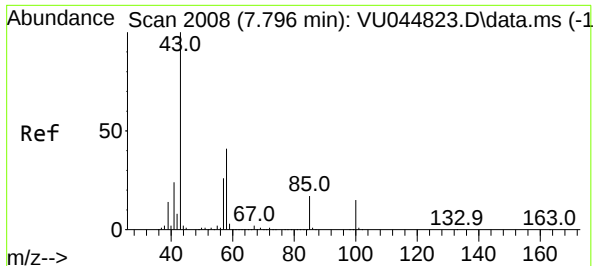
Tgt Ion: 98 Resp: 428888

Ion Ratio Lower Upper

98 100

100 65.1 52.5 78.7

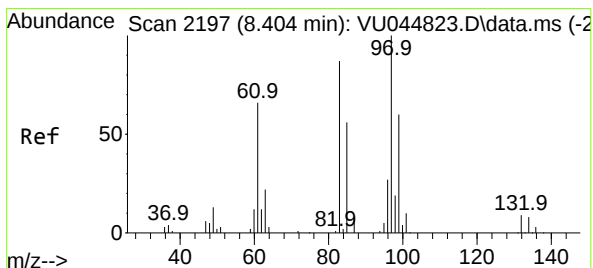
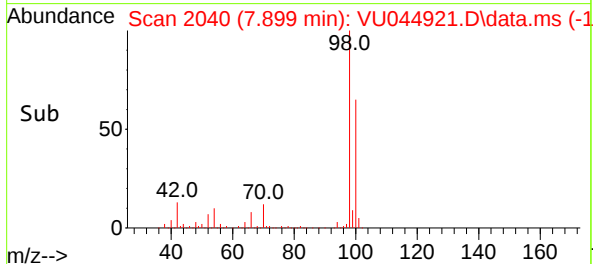
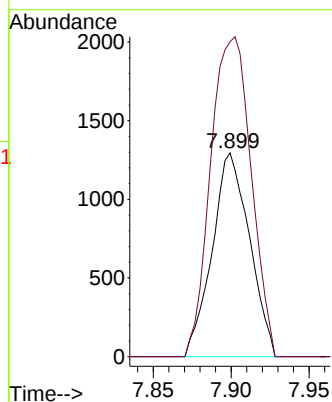
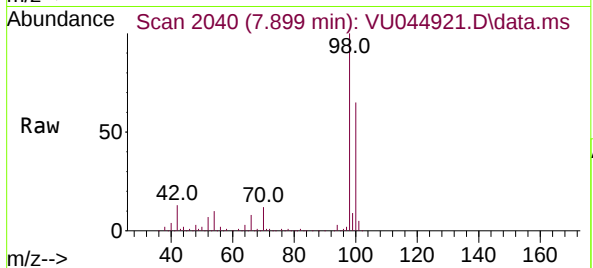




#51
4-Methyl-2-Pentanone
Concen: 0.401 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.103 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

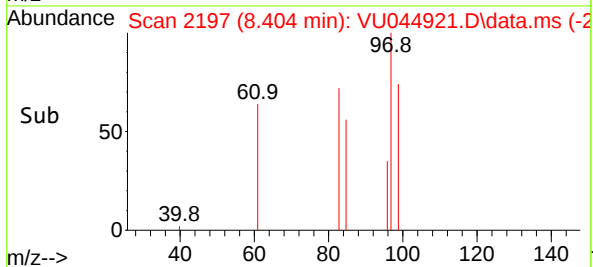
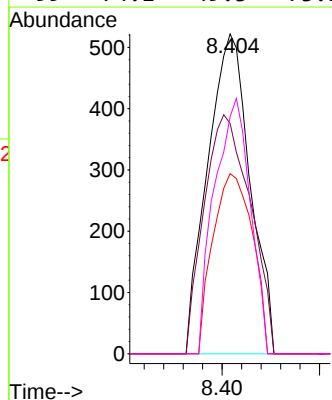
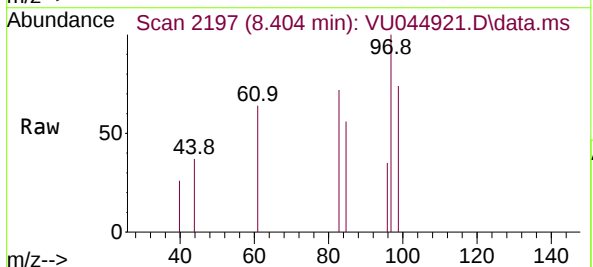
Instrument :
MSVOA_U
ClientSampleId :
RW4-20210922

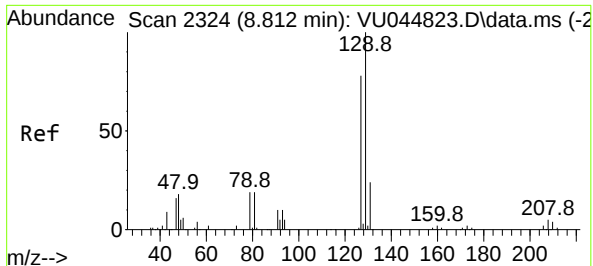
Tgt Ion: 43 Resp: 2157
Ion Ratio Lower Upper
43 100
58 170.5 32.4 48.6#



#55
1,1,2-Trichloroethane
Concen: 0.276 ug/l
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

Tgt Ion: 97 Resp: 791
Ion Ratio Lower Upper
97 100
83 72.0 69.7 104.5
85 56.3 44.8 67.2
99 74.1 49.3 73.9#

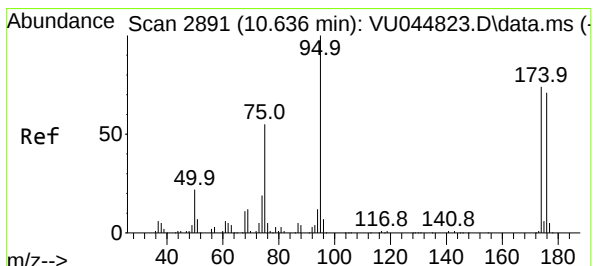
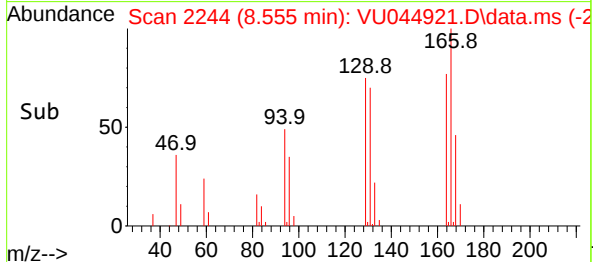
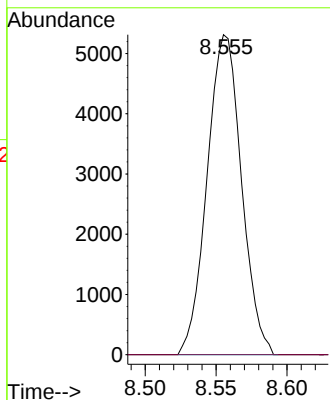
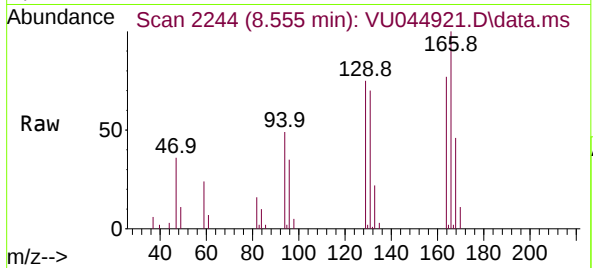




#60
Dibromochloromethane
Concen: 3.270 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

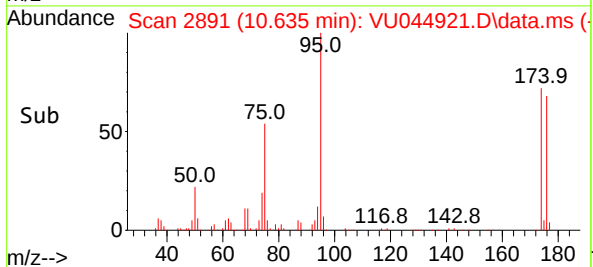
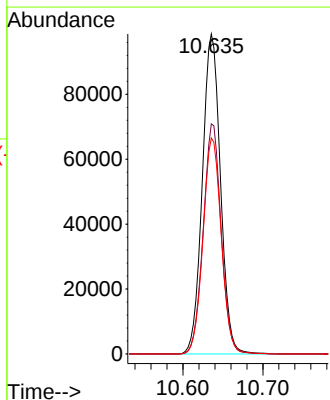
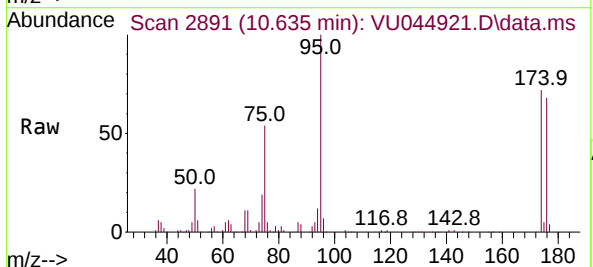
Instrument :
MSVOA_U
ClientSampleId :
RW4-20210922

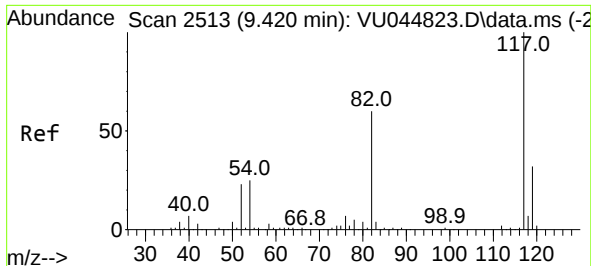
Tgt Ion:129 Resp: 8964
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 46.783 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

Tgt Ion: 95 Resp: 155837
Ion Ratio Lower Upper
95 100
174 71.1 0.0 146.6
176 67.8 0.0 141.2

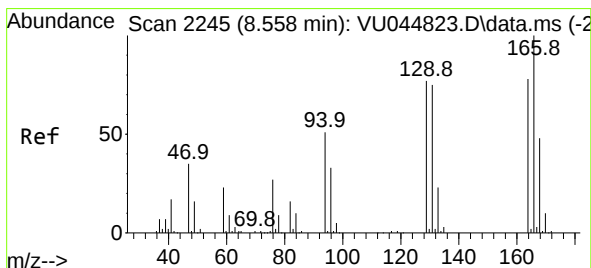
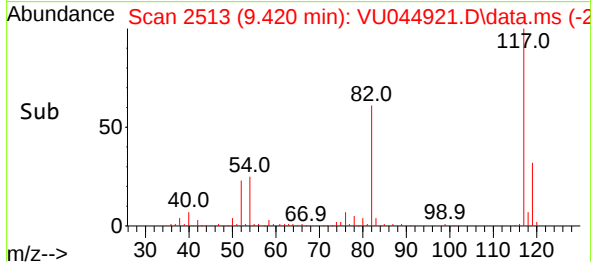
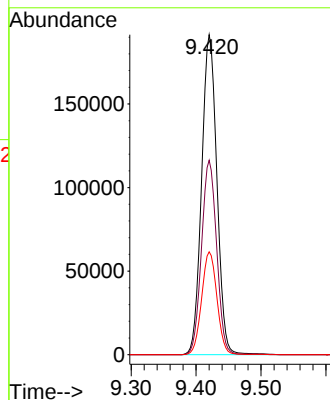
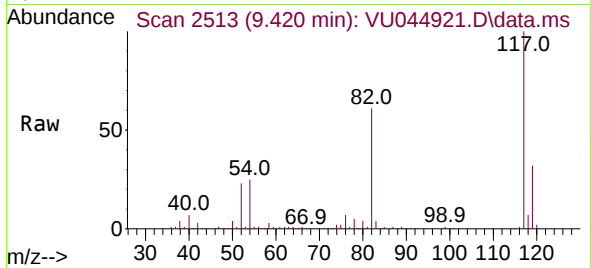




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

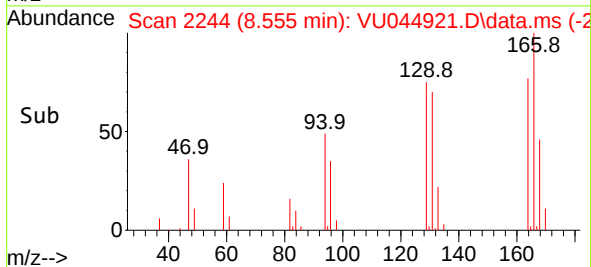
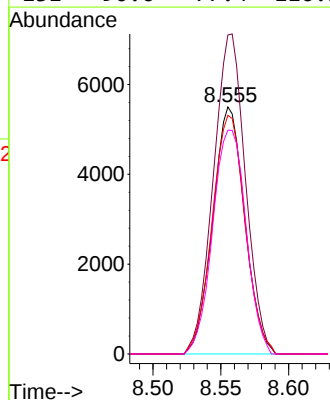
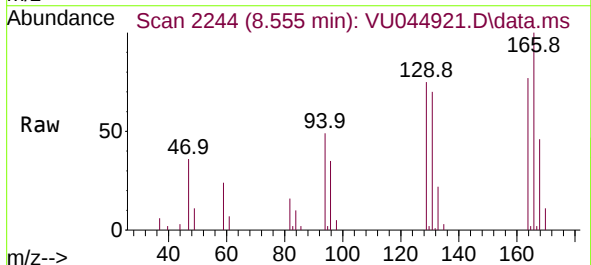
Instrument :
MSVOA_U
ClientSampleId :
RW4-20210922

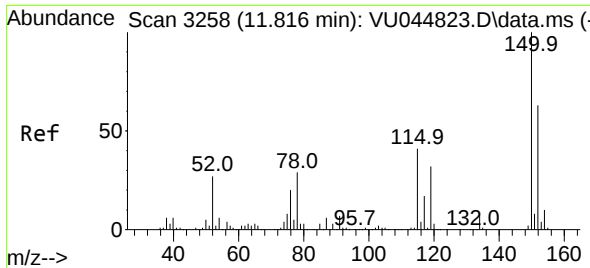
Tgt Ion:117 Resp: 313990
Ion Ratio Lower Upper
117 100
82 60.7 47.8 71.8
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 4.230 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

Tgt Ion:164 Resp: 9002
Ion Ratio Lower Upper
164 100
166 129.1 102.8 154.2
129 96.6 79.4 119.2
131 90.6 77.4 116.2

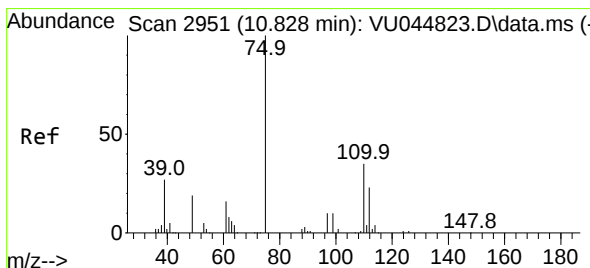
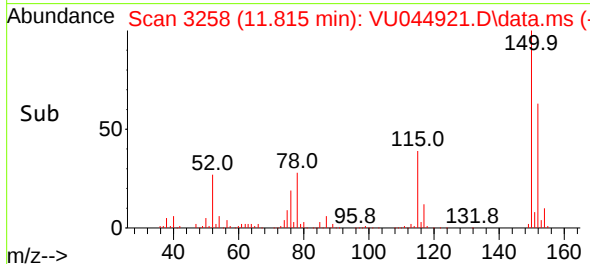
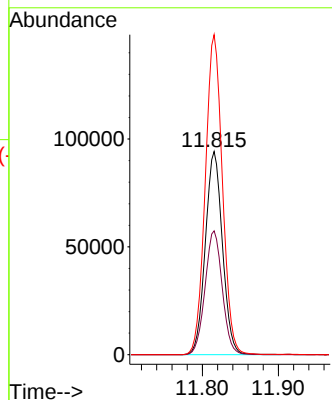
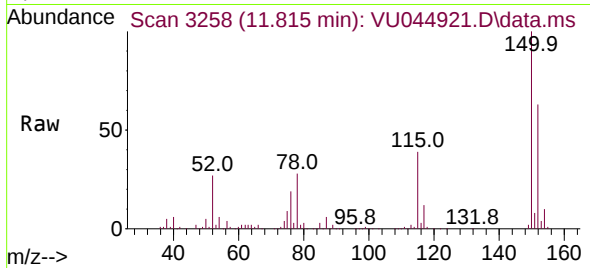




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 3258
 Delta R.T. -0.000 min
 Lab File: VU044921.D
 Acq: 28 Sep 2021 05:01

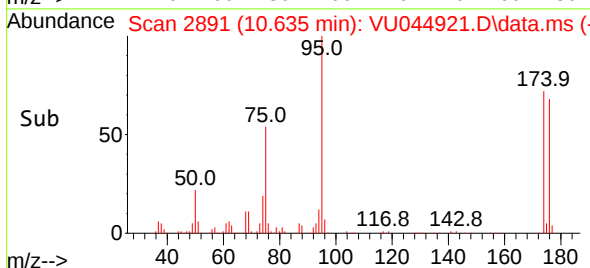
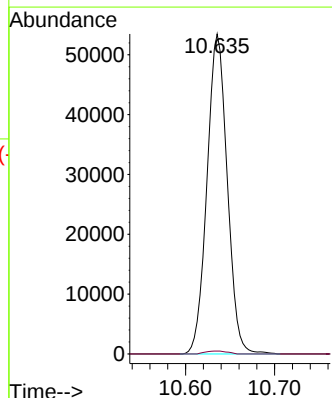
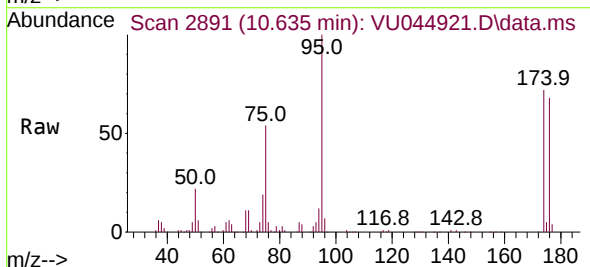
Instrument :
 MSVOA_U
 ClientSampleId :
 RW4-20210922

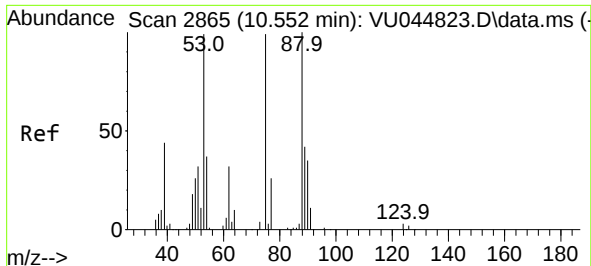
Tgt Ion:152 Resp: 147451
 Ion Ratio Lower Upper
 152 100
 115 61.2 43.5 130.7
 150 157.5 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 18.904 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.193 min
 Lab File: VU044921.D
 Acq: 28 Sep 2021 05:01

Tgt Ion: 75 Resp: 84407
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#

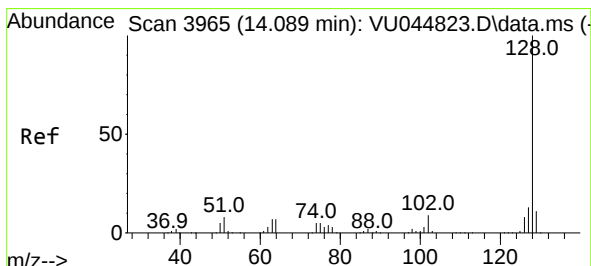
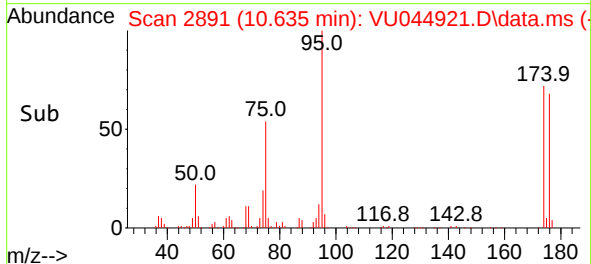
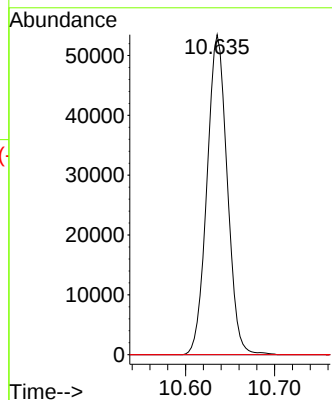
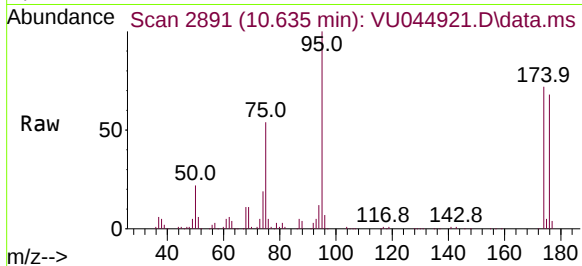




#81
trans-1,4-Dichloro-2-butene
Concen: 61.238 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

Instrument :
MSVOA_U
ClientSampleId :
RW4-20210922

Tgt Ion: 75 Resp: 84407
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 0.974 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.009 min
Lab File: VU044921.D
Acq: 28 Sep 2021 05:01

Tgt Ion: 128 Resp: 360
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

