

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092721\
 Data File : VU044911.D
 Acq On : 28 Sep 2021 01:07
 Operator : SY/MD
 Sample : M3859-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 1032-FB092021

Quant Time: Sep 28 06:30:45 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)

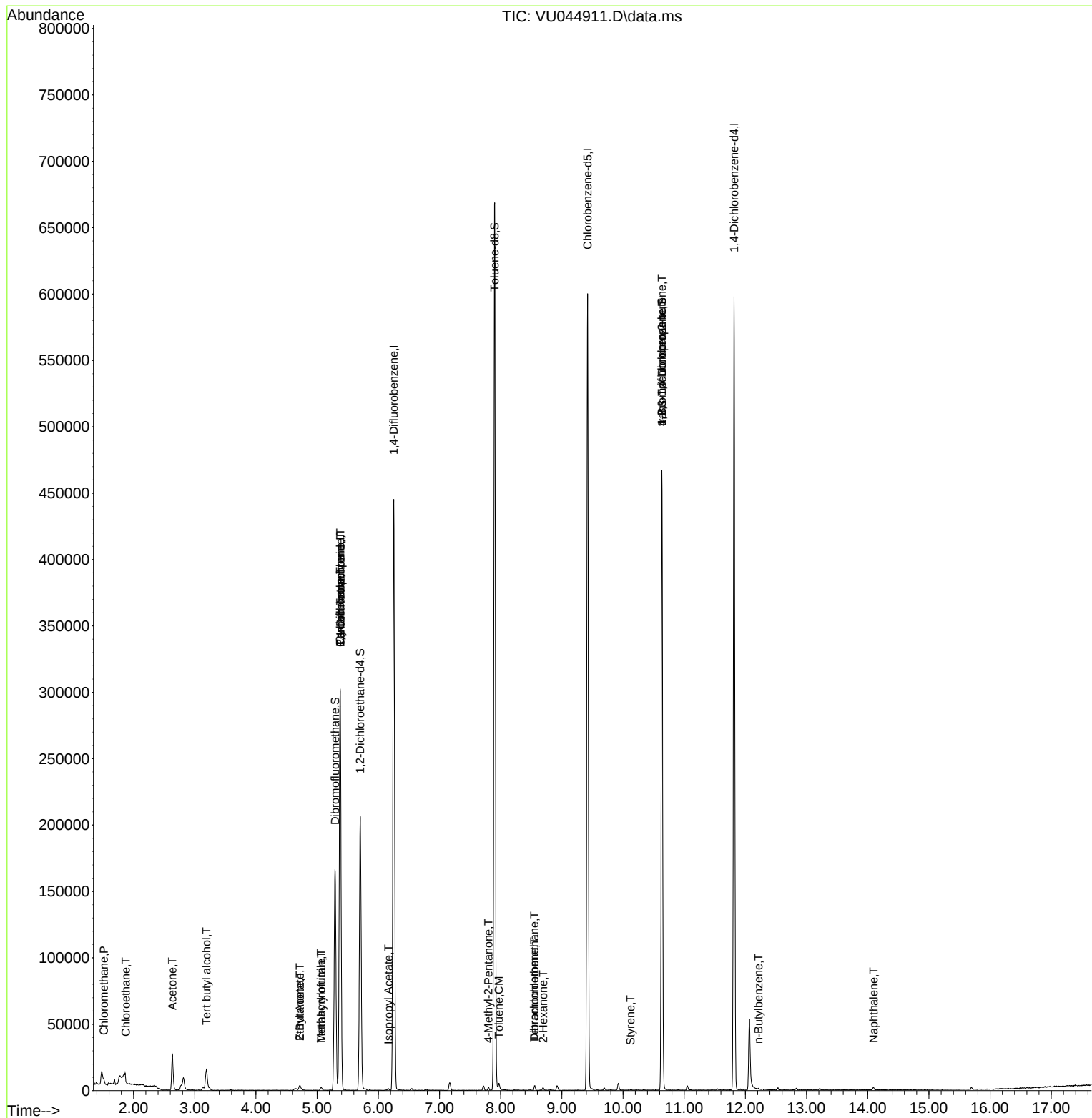
Internal Standards						
1) Pentafluorobenzene	5.379	168	197567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	345295	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	308978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	142789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	152739	44.297	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.600%	
35) Dibromofluoromethane	5.292	113	106023	44.758	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.520%	
50) Toluene-d8	7.903	98	429911	48.054	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.100%	
62) 4-Bromofluorobenzene	10.636	95	153276	46.128	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.260%	
Target Compounds						Qvalue
3) Chloromethane	1.517	50	989	0.275	ug/l	99
5) Bromomethane	1.839	94	571	Below Cal		98
6) Chloroethane	1.874	64	1558	0.324	ug/l #	60
11) Tert butyl alcohol	3.192	59	11803	11.728	ug/l #	73
16) Acetone	2.633	43	30733	15.801	ug/l	100
25) 2-Butanone	4.716	43	6320	2.142	ug/l	99
29) Tetrahydrofuran	5.070	42	1442	0.777	ug/l	94
31) Cyclohexane	5.375	56	5852	1.182	ug/l #	11
36) 1,1-Dichloropropene	5.379	75	18324	5.002	ug/l #	50
37) Ethyl Acetate	4.716	43	6320	1.176	ug/l #	69
38) Carbon Tetrachloride	5.379	117	20326	6.206	ug/l #	16
41) Methacrylonitrile	5.067	41	822	0.306	ug/l #	44
43) Isopropyl Acetate	6.166	43	1806	0.240	ug/l #	61
51) 4-Methyl-2-Pentanone	7.800	43	1597	0.298	ug/l #	85
52) Toluene	7.973	92	2040	0.305	ug/l	91
59) 2-Hexanone	8.697	43	1556	0.362	ug/l	92
60) Dibromochloromethane	8.552	129	838	0.306	ug/l #	10
64) Tetrachloroethene	8.552	164	749	0.358	ug/l #	83
70) Styrene	10.121	104	136	1.028	ug/l #	25
76) 1,2,3-Trichloropropane	10.636	75	82899	19.172	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	82899	62.108	ug/l #	9
89) n-Butylbenzene	12.214	91	322	1.311	ug/l #	54
95) Naphthalene	14.095	128	2309	1.150	ug/l #	91

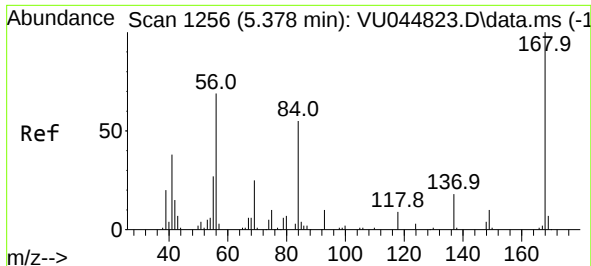
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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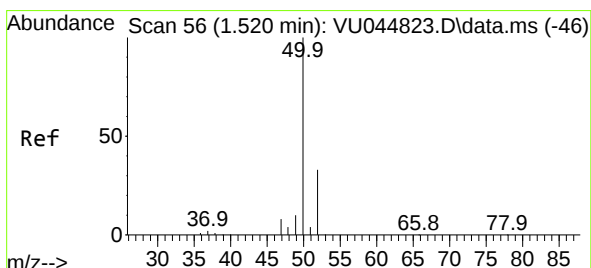
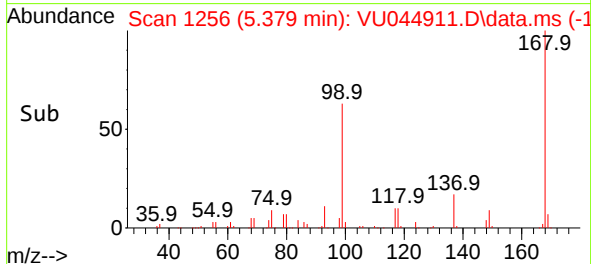
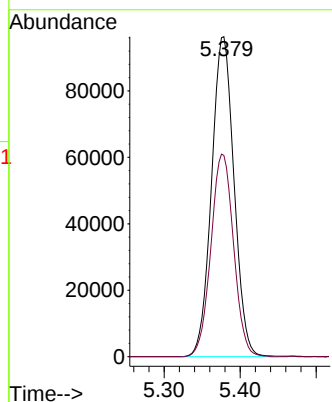
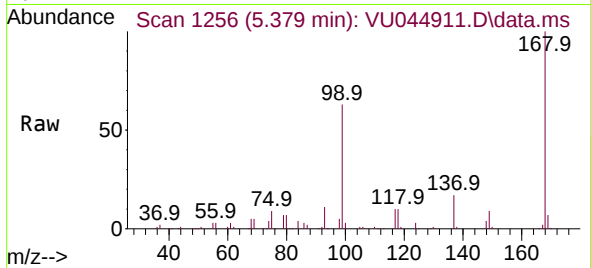




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.001 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

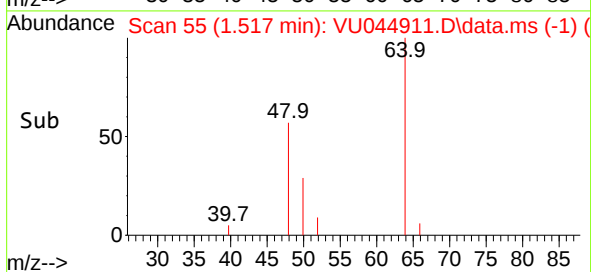
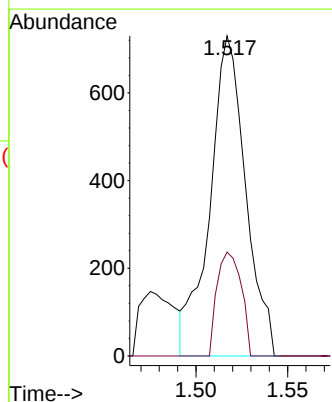
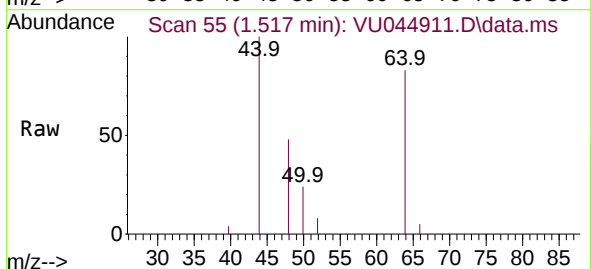
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

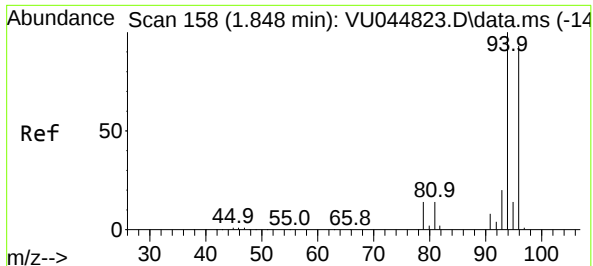
Tgt Ion:168 Resp: 197567
Ion Ratio Lower Upper
168 100
99 62.9 51.4 77.0



#3
Chloromethane
Concen: 0.275 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

Tgt Ion: 50 Resp: 989
Ion Ratio Lower Upper
50 100
52 32.5 26.3 39.5

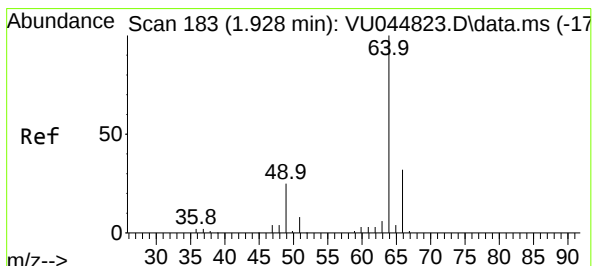
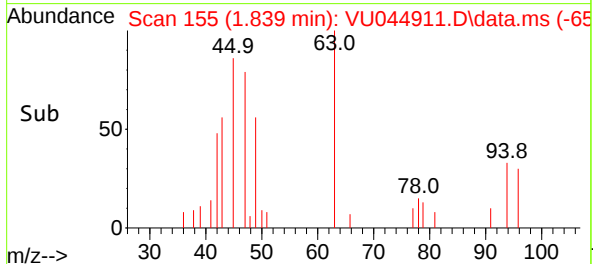
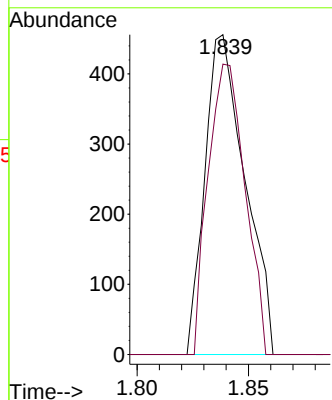
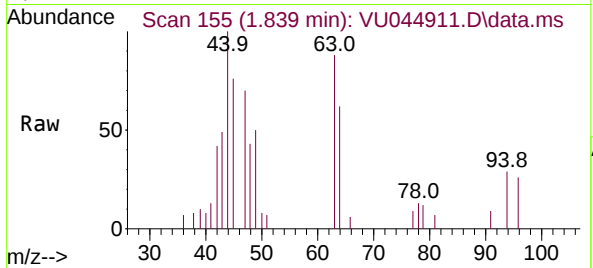




#5
Bromomethane
Concen: Below Cal
RT: 1.839 min Scan# 155
Delta R.T. -0.010 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

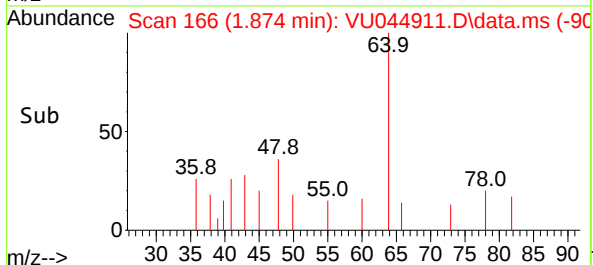
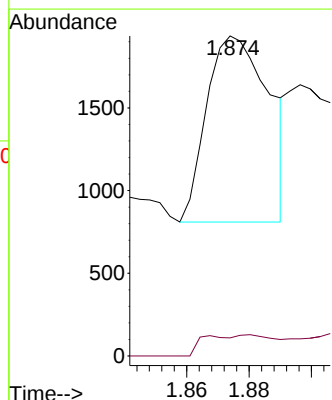
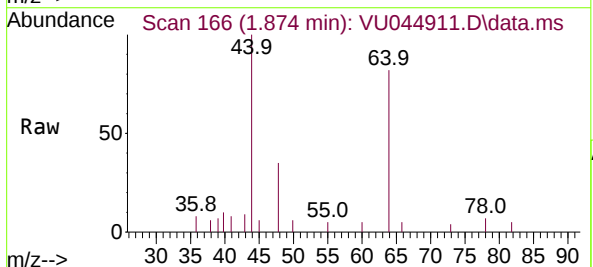
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

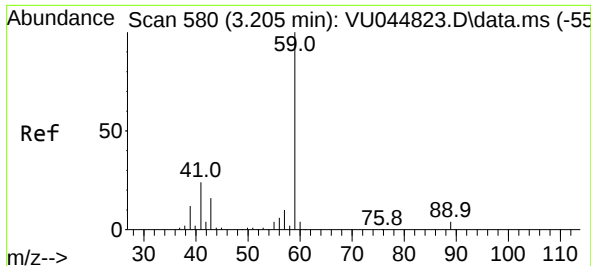
Tgt Ion: 94 Resp: 571
Ion Ratio Lower Upper
94 100
96 90.8 74.5 111.7



#6
Chloroethane
Concen: 0.324 ug/l
RT: 1.874 min Scan# 166
Delta R.T. -0.054 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

Tgt Ion: 64 Resp: 1558
Ion Ratio Lower Upper
64 100
66 9.7 25.8 38.8#

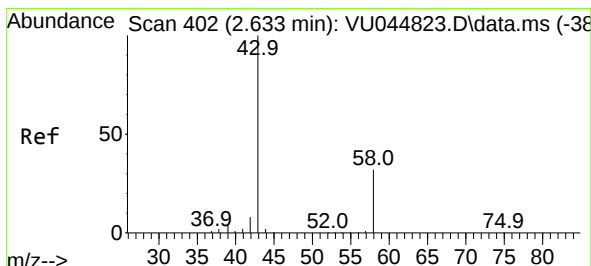
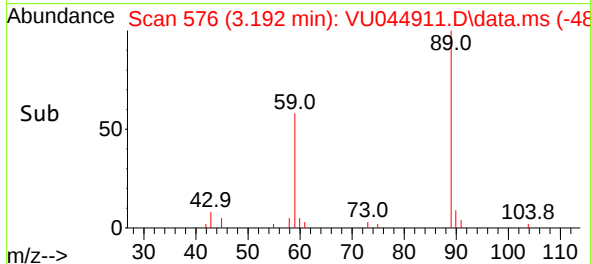
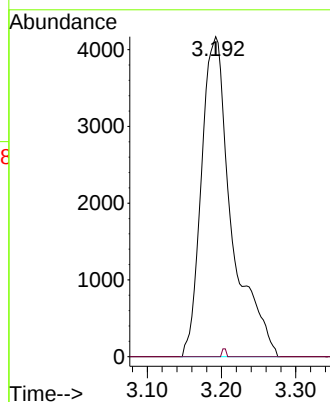
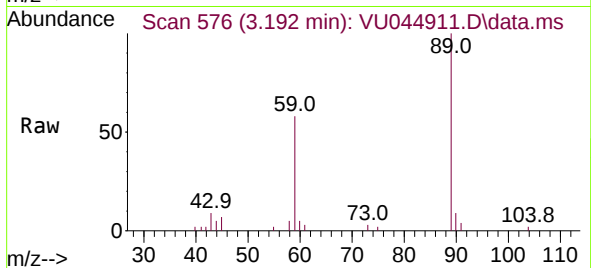




#11
Tert butyl alcohol
Concen: 11.728 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.013 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

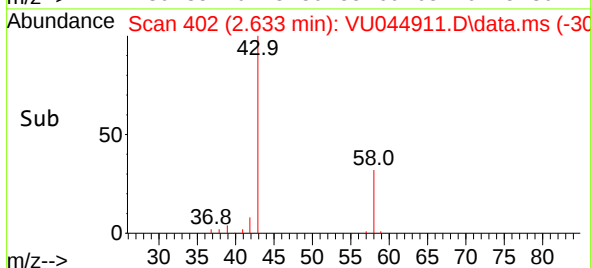
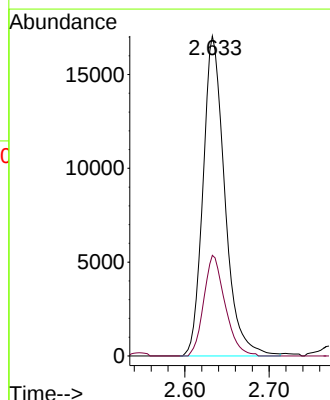
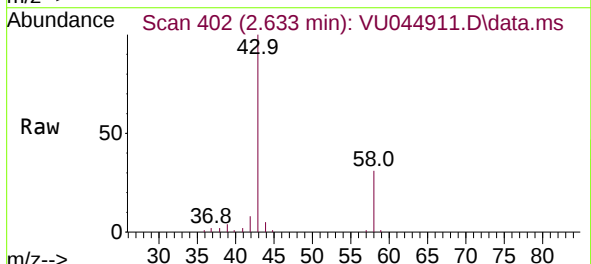
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

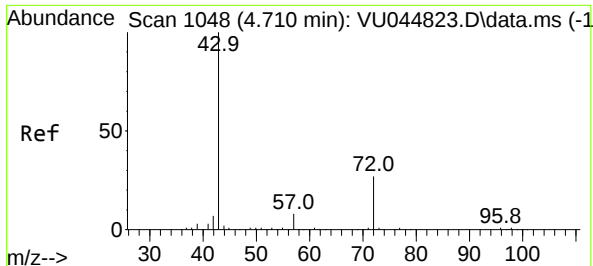
Tgt Ion: 59 Resp: 11803
Ion Ratio Lower Upper
59 100
57 0.3 8.3 12.5#



#16
Acetone
Concen: 15.801 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.000 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

Tgt Ion: 43 Resp: 30733
Ion Ratio Lower Upper
43 100
58 31.4 25.2 37.8

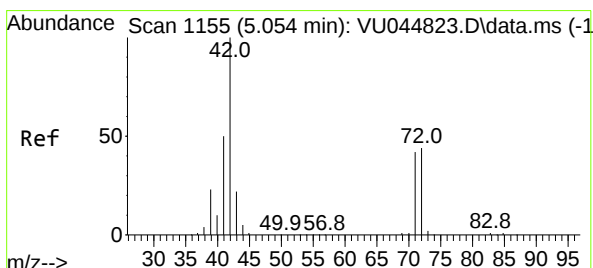
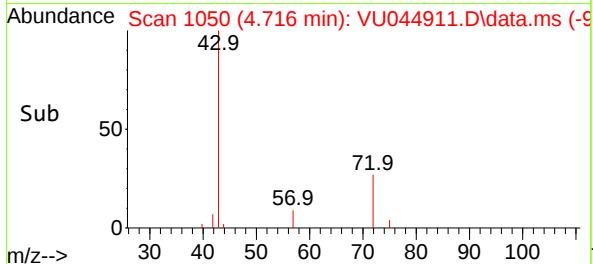
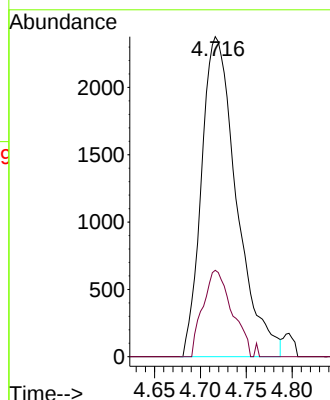
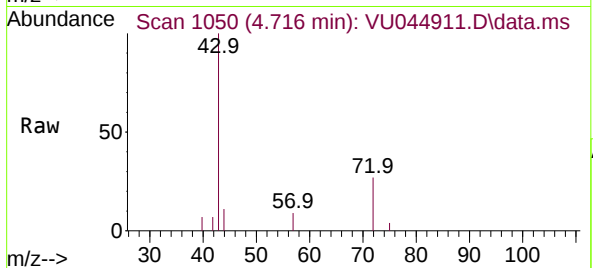




#25
2-Butanone
Concen: 2.142 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

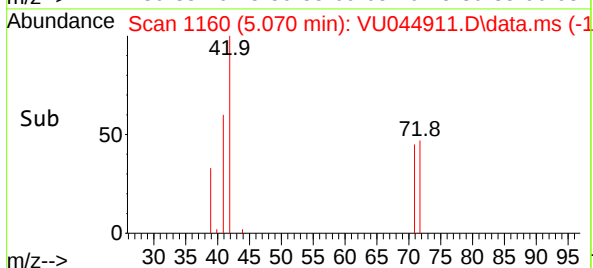
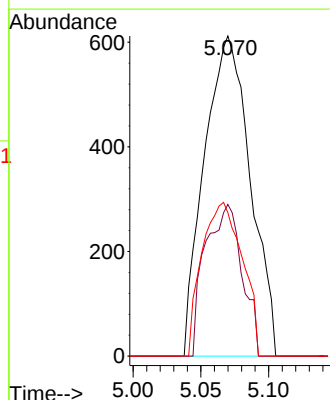
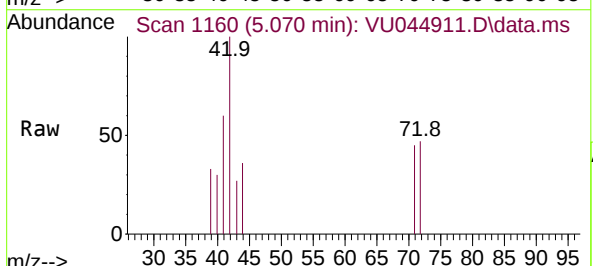
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

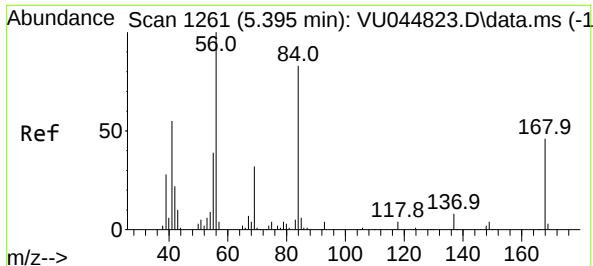
Tgt Ion: 43 Resp: 6320
Ion Ratio Lower Upper
43 100
72 27.0 21.3 31.9



#29
Tetrahydrofuran
Concen: 0.777 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.016 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

Tgt Ion: 42 Resp: 1442
Ion Ratio Lower Upper
42 100
72 38.0 36.2 54.4
71 42.4 34.1 51.1

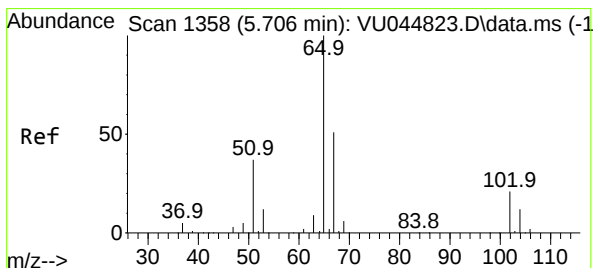
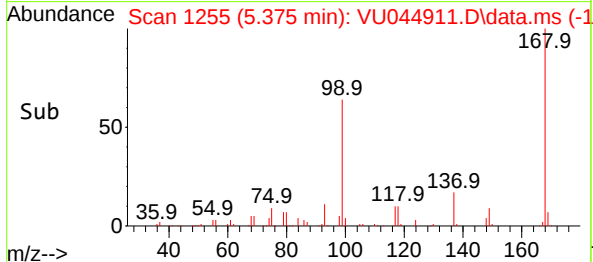
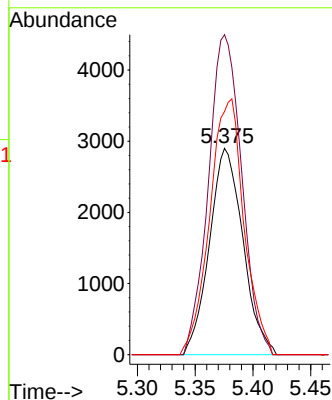
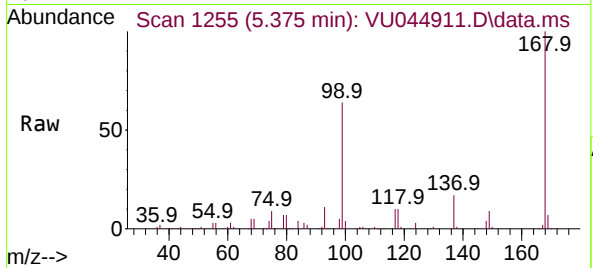




#31
Cyclohexane
Concen: 1.182 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.019 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

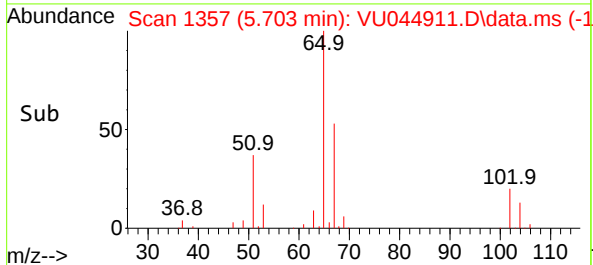
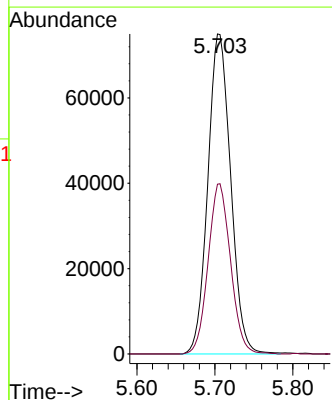
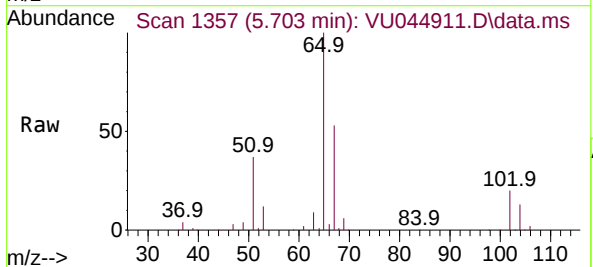
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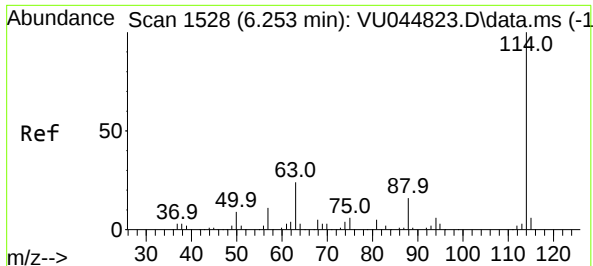
Tgt Ion: 56 Resp: 5852
Ion Ratio Lower Upper
56 100
69 155.1 25.2 37.8#
84 117.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 44.297 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

Tgt Ion: 65 Resp: 152739
Ion Ratio Lower Upper
65 100
67 52.2 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: VU044911.D

Acq: 28 Sep 2021 01:07

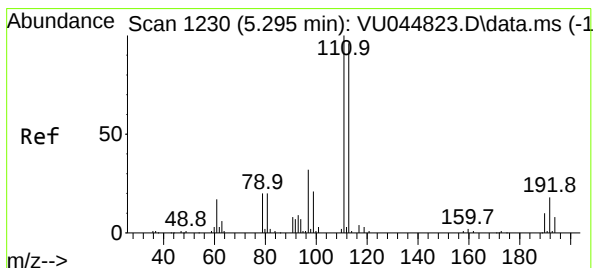
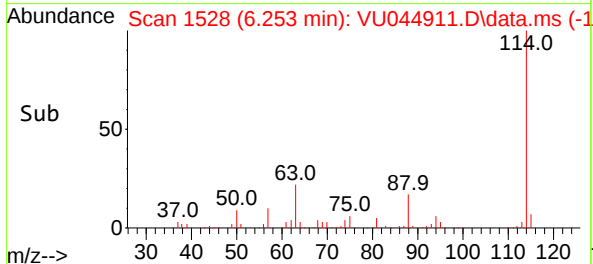
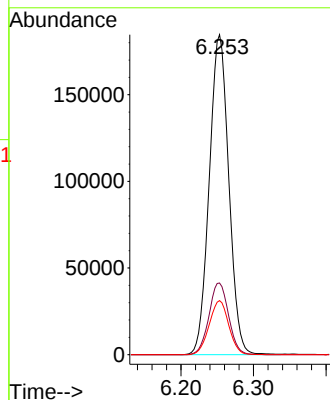
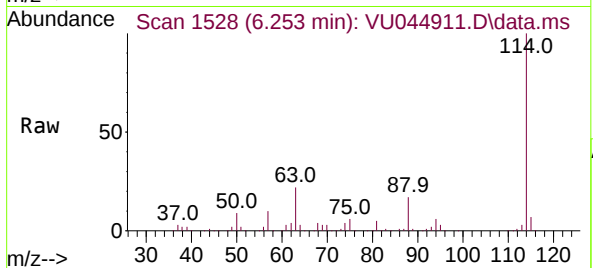
Tgt Ion:114 Resp: 345295

Ion Ratio Lower Upper

114 100

63 22.4 0.0 47.8

88 16.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 44.758 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.003 min

Lab File: VU044911.D

Acq: 28 Sep 2021 01:07

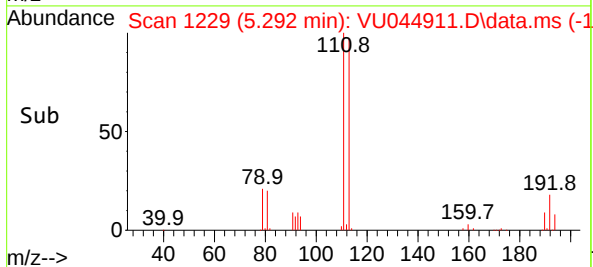
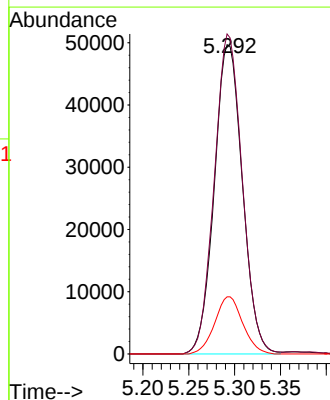
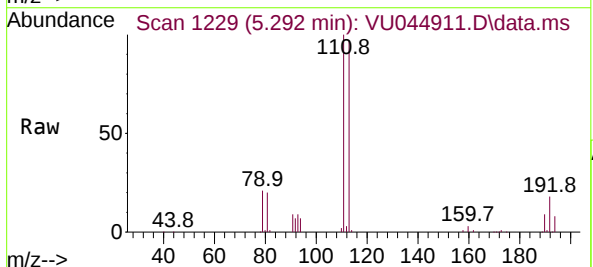
Tgt Ion:113 Resp: 106023

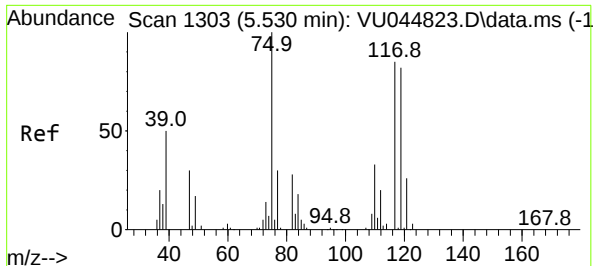
Ion Ratio Lower Upper

113 100

111 102.7 84.1 126.1

192 18.5 14.8 22.2

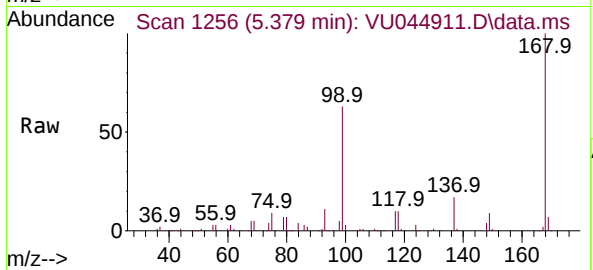




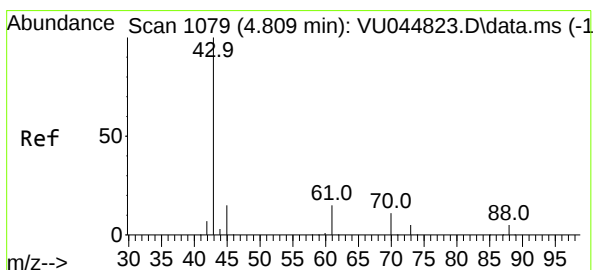
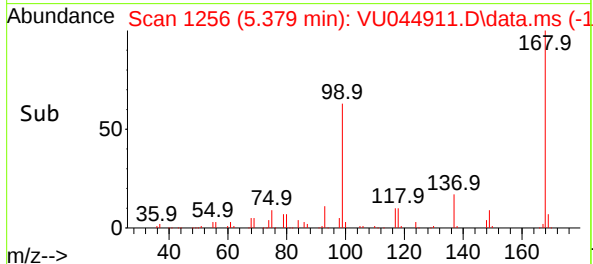
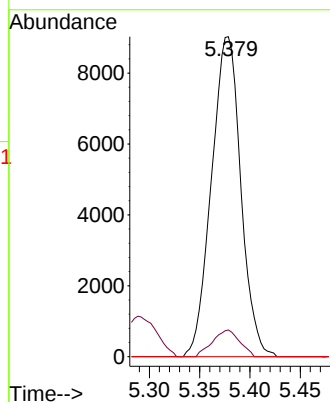
#36

1,1-Dichloropropene
Concen: 5.002 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021



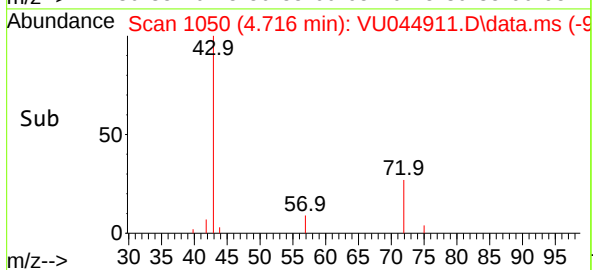
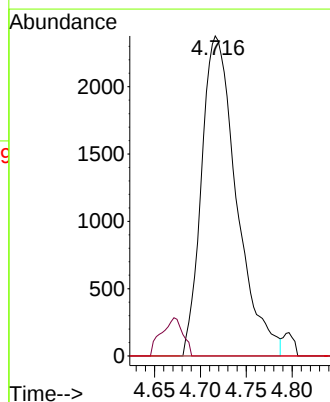
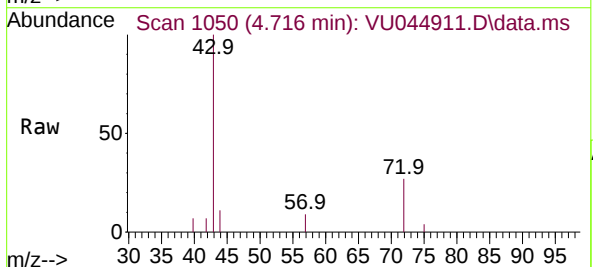
Tgt Ion: 75 Resp: 18324
Ion Ratio Lower Upper
75 100
110 7.7 16.3 48.9#
77 0.0 25.0 37.4#

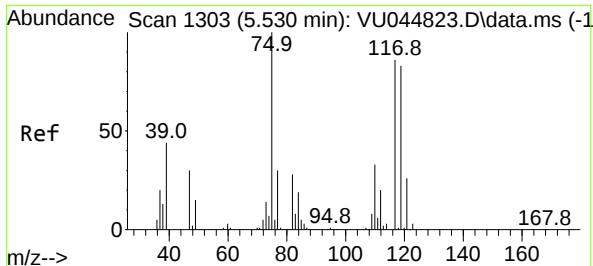


#37

Ethyl Acetate
Concen: 1.176 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. -0.093 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

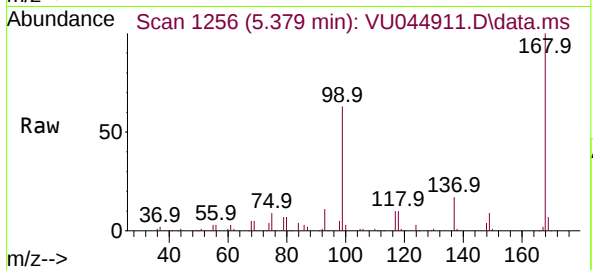
Tgt Ion: 43 Resp: 6320
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.4#



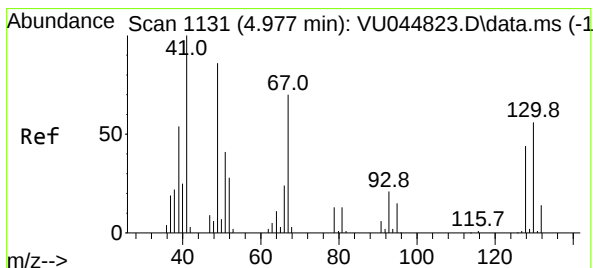
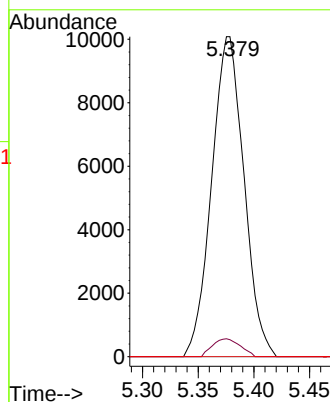
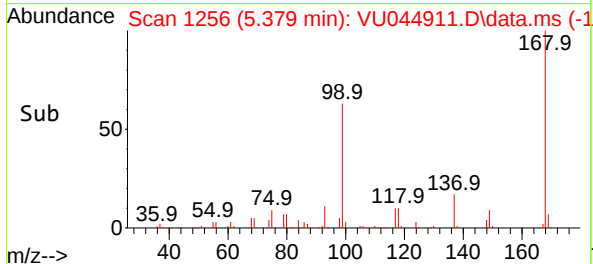


#38
Carbon Tetrachloride
Concen: 6.206 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

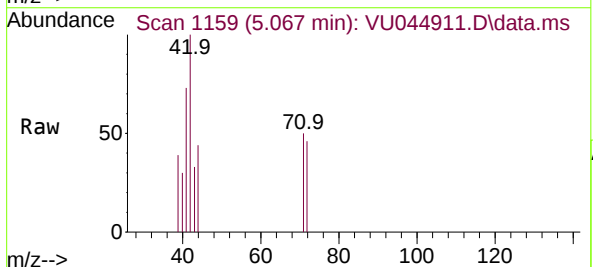
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021



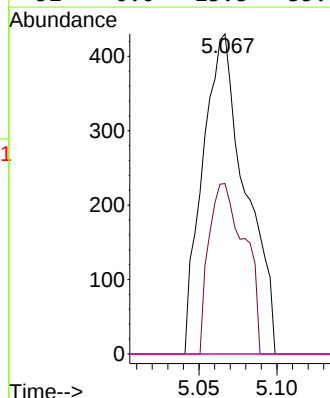
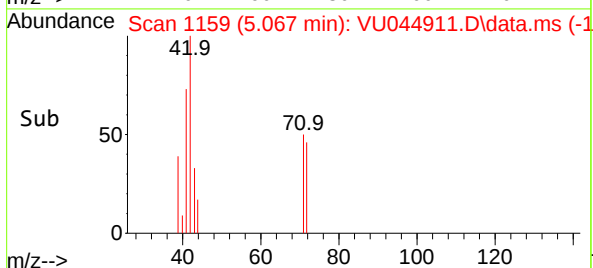
Tgt Ion:117 Resp: 20326
Ion Ratio Lower Upper
117 100
119 5.3 77.4 116.2#
121 0.0 24.5 36.7#

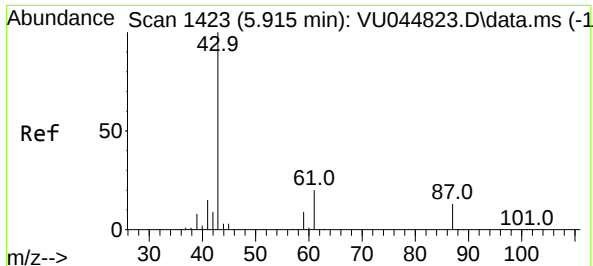


#41
Methacrylonitrile
Concen: 0.306 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.090 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07



Tgt Ion: 41 Resp: 822
Ion Ratio Lower Upper
41 100
39 44.5 44.4 66.6
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: 0.240 ug/l

RT: 6.166 min Scan# 1501

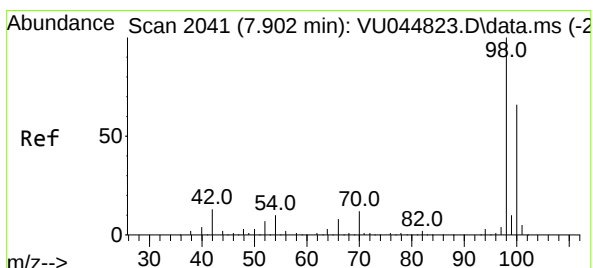
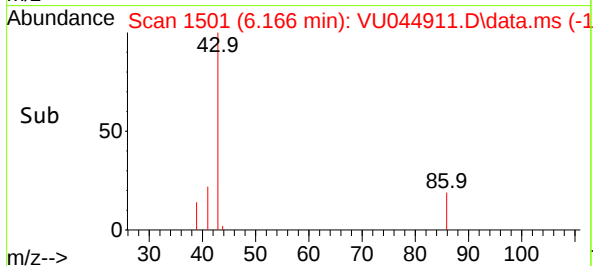
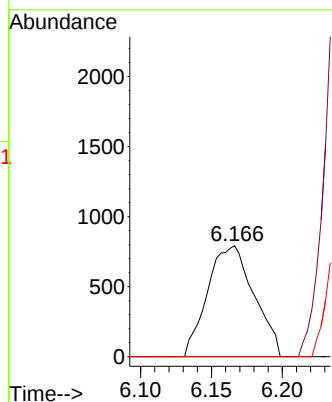
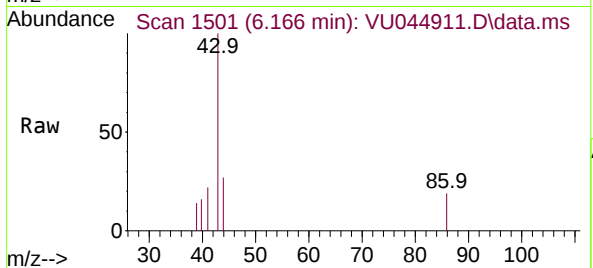
Delta R.T. 0.251 min

Lab File: VU044911.D

Acq: 28 Sep 2021 01:07

Tgt Ion:	43	Resp:	1806
Ion	Ratio	Lower	Upper
43	100		
61	0.0	16.1	24.1#
87	0.0	10.3	15.5#

Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021



#50

Toluene-d8

Concen: 48.054 ug/l

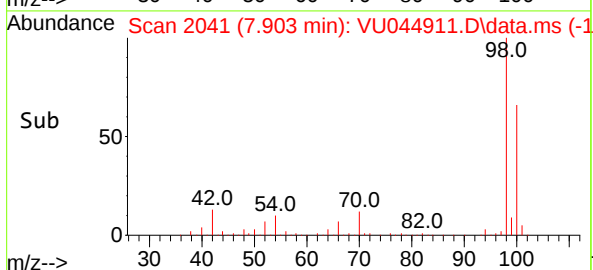
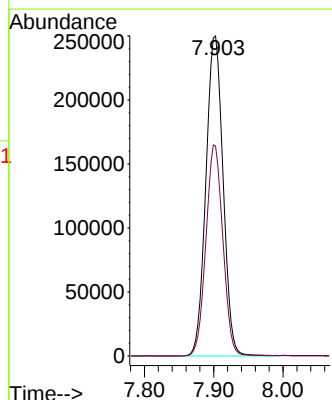
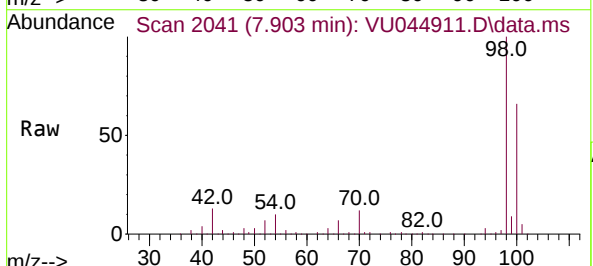
RT: 7.903 min Scan# 2041

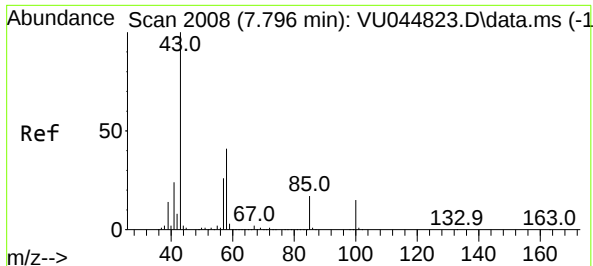
Delta R.T. 0.000 min

Lab File: VU044911.D

Acq: 28 Sep 2021 01:07

Tgt Ion:	98	Resp:	429911
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.5	78.7

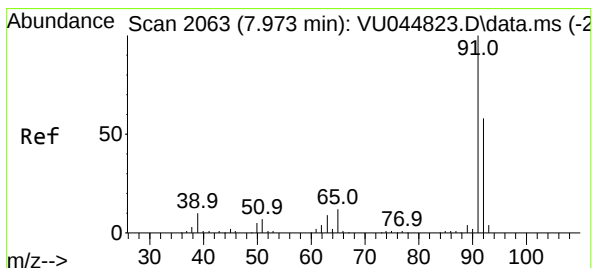
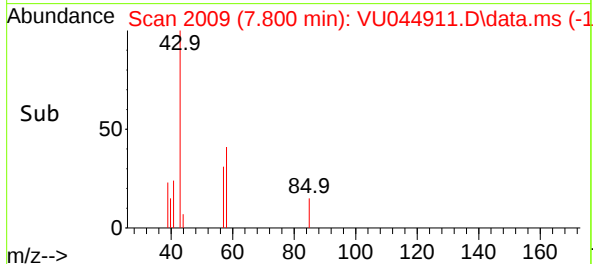
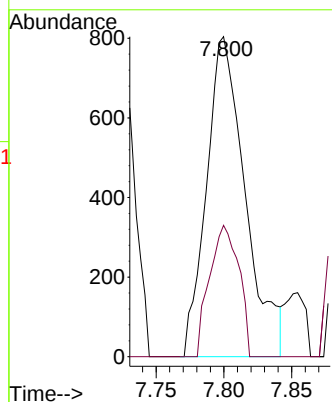
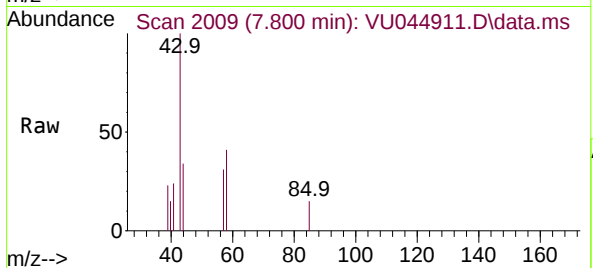




#51
4-Methyl-2-Pentanone
Concen: 0.298 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.003 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

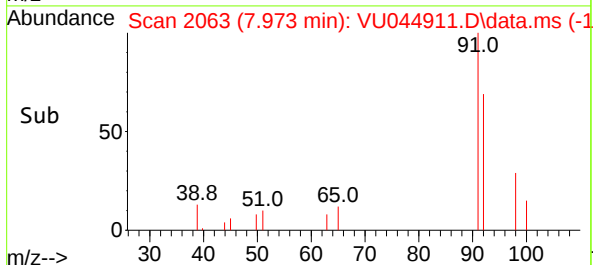
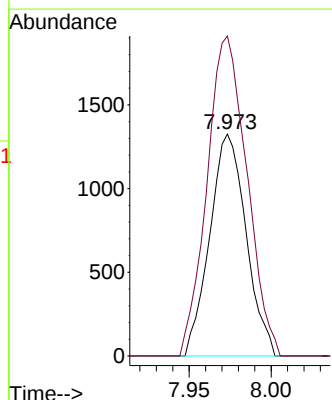
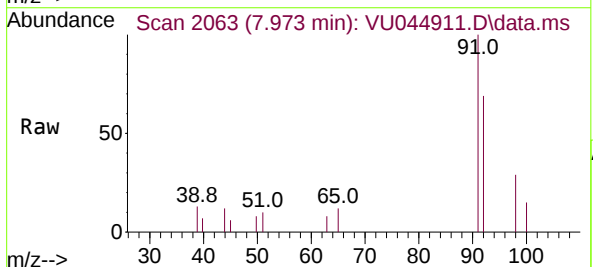
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

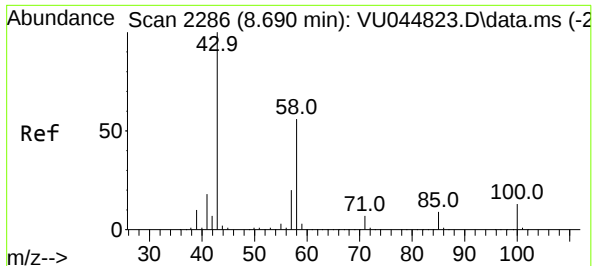
Tgt Ion: 43 Resp: 1597
Ion Ratio Lower Upper
43 100
58 30.9 32.4 48.6#



#52
Toluene
Concen: 0.305 ug/l
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

Tgt Ion: 92 Resp: 2040
Ion Ratio Lower Upper
92 100
91 158.2 136.9 205.3





#59

2-Hexanone

Concen: 0.362 ug/l

RT: 8.697 min Scan# 2288

Delta R.T. 0.006 min

Lab File: VU044911.D

Acq: 28 Sep 2021 01:07

Tgt Ion: 43 Resp: 1556

Ion Ratio Lower Upper

43 100

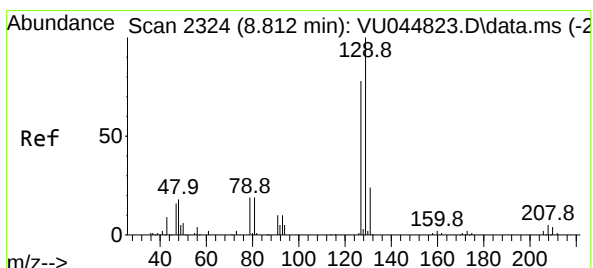
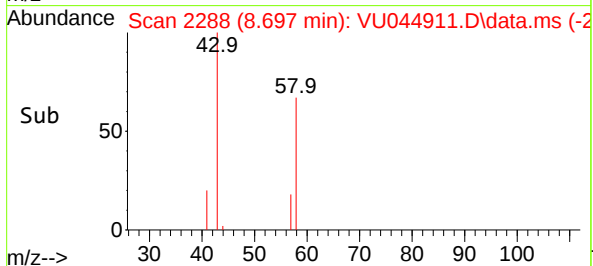
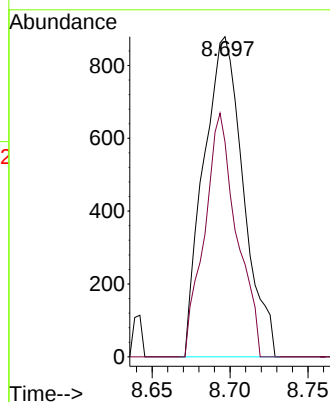
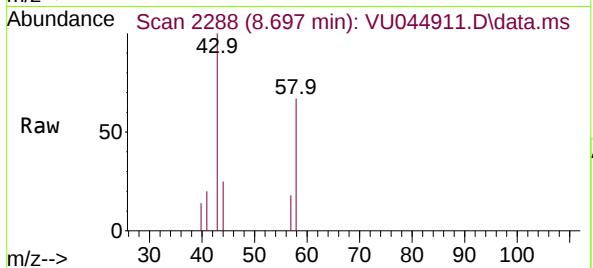
58 61.5 28.0 84.0

Instrument :

MSVOA_U

ClientSampleId :

1032-FB092021



#60

Dibromochloromethane

Concen: 0.306 ug/l

RT: 8.552 min Scan# 2243

Delta R.T. -0.260 min

Lab File: VU044911.D

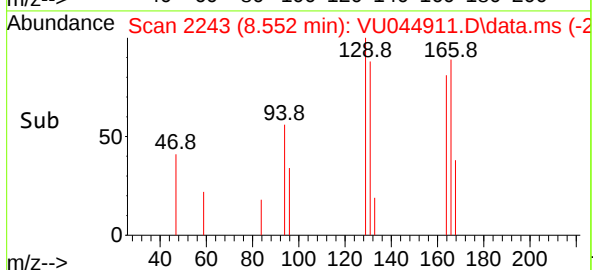
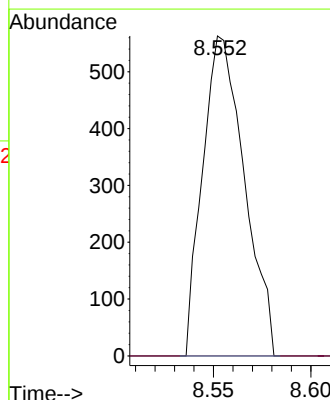
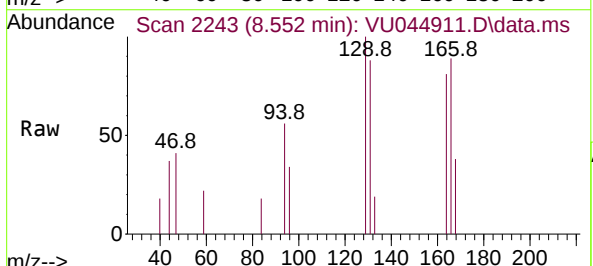
Acq: 28 Sep 2021 01:07

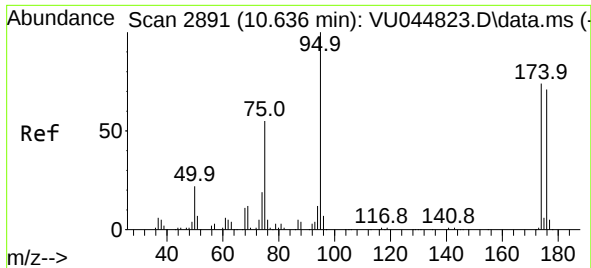
Tgt Ion: 129 Resp: 838

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#

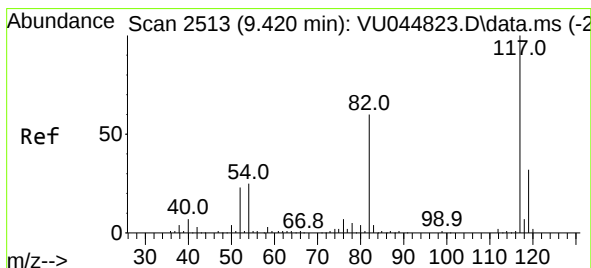
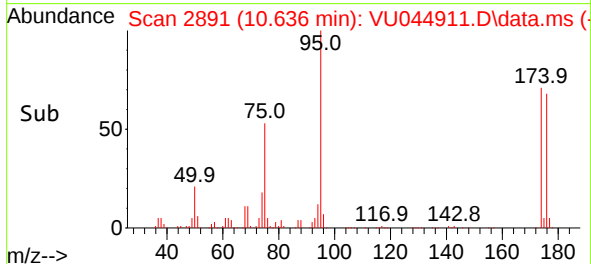
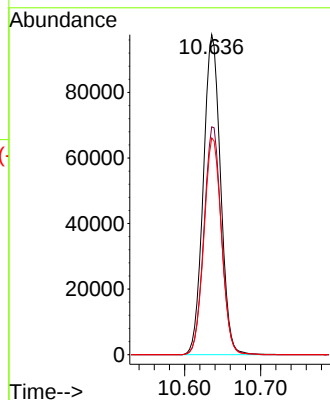
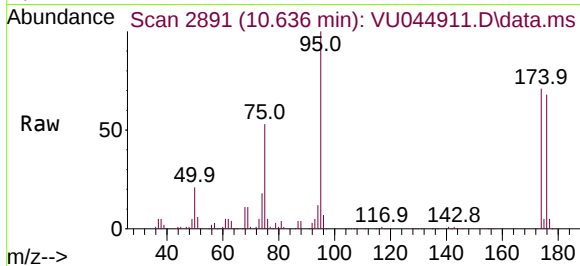




#62
4-Bromofluorobenzene
Concen: 46.128 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

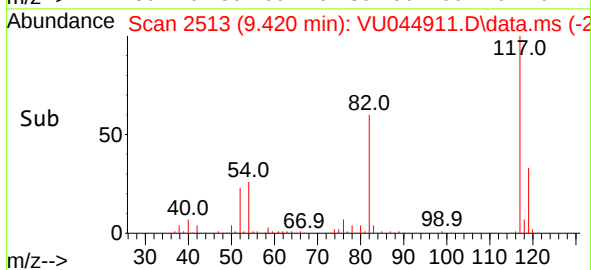
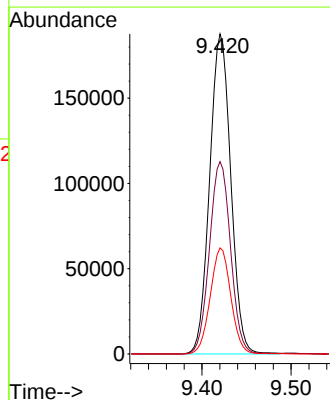
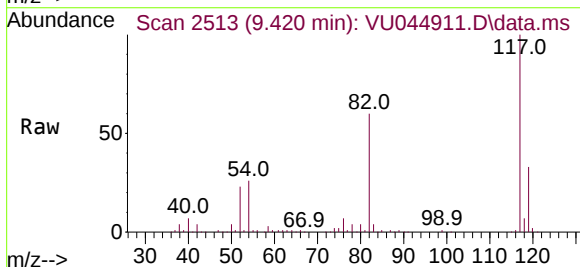
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

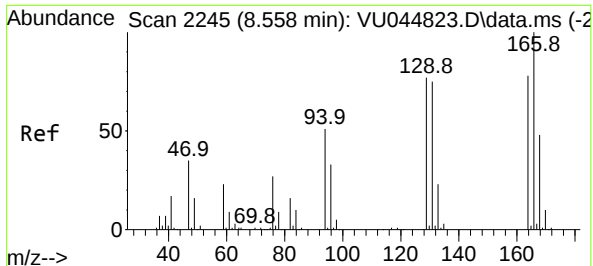
Tgt Ion: 95 Resp: 153276
Ion Ratio Lower Upper
95 100
174 71.8 0.0 146.6
176 69.1 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

Tgt Ion: 117 Resp: 308978
Ion Ratio Lower Upper
117 100
82 60.1 47.8 71.8
119 33.2 25.8 38.6

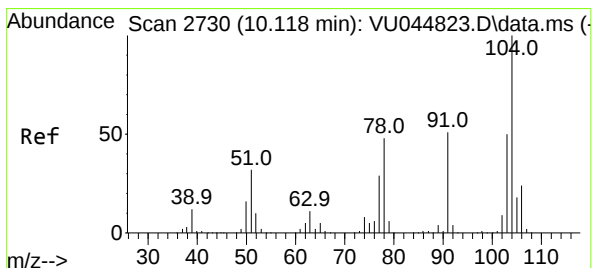
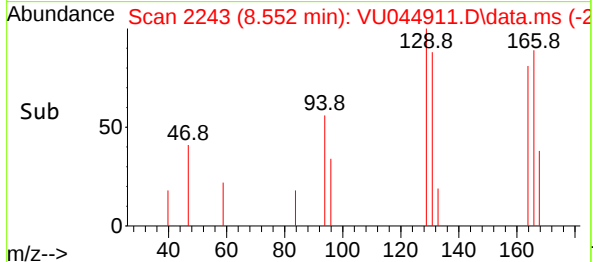
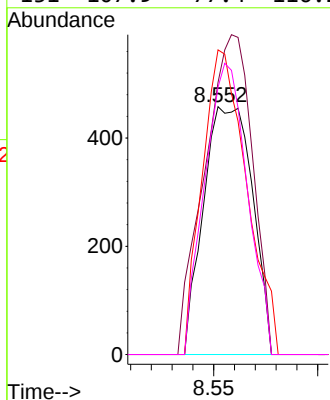
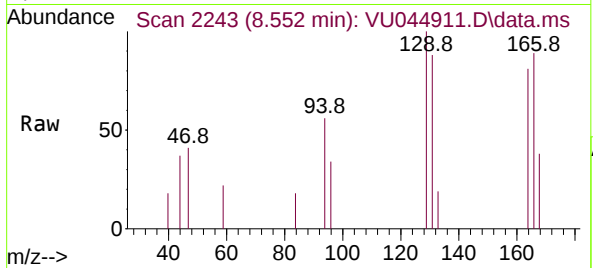




#64
Tetrachloroethene
Concen: 0.358 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. -0.006 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

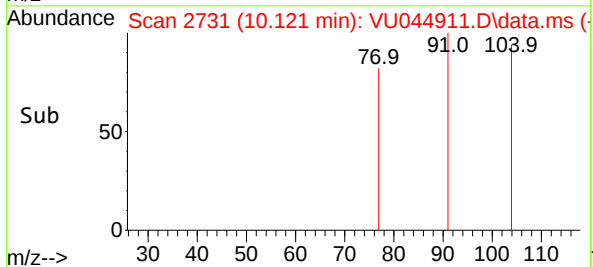
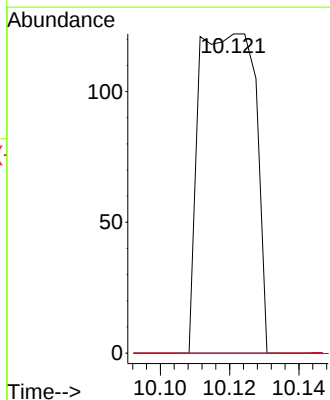
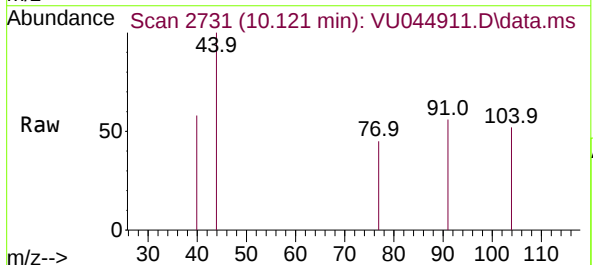
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

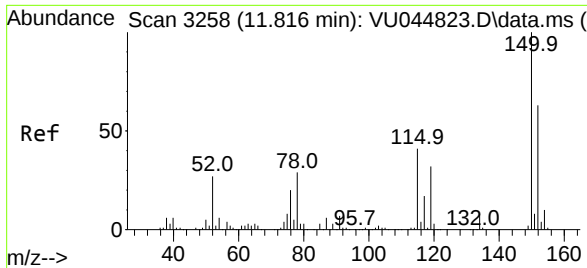
Tgt Ion:164 Resp: 749
Ion Ratio Lower Upper
164 100
166 109.8 102.8 154.2
129 122.9 79.4 119.2#
131 107.9 77.4 116.2



#70
Styrene
Concen: 1.028 ug/l
RT: 10.121 min Scan# 2731
Delta R.T. 0.003 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

Tgt Ion:104 Resp: 136
Ion Ratio Lower Upper
104 100
78 0.0 41.4 62.0#
103 0.0 43.5 65.3#

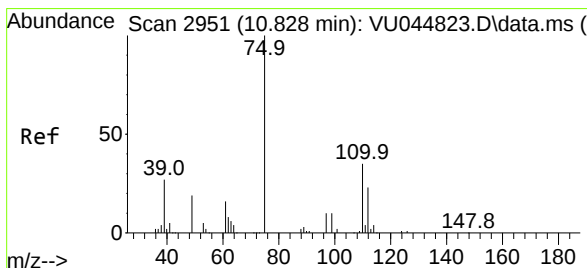
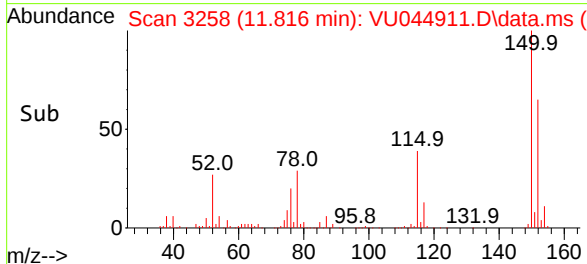
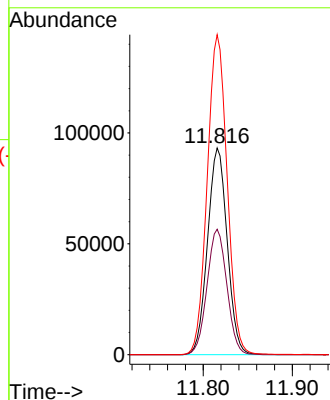
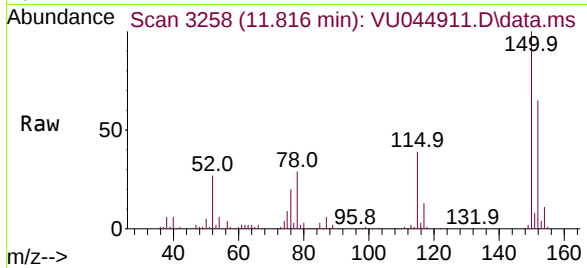




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.000 min
 Lab File: VU044911.D
 Acq: 28 Sep 2021 01:07

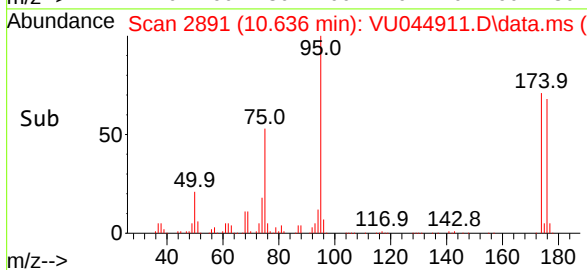
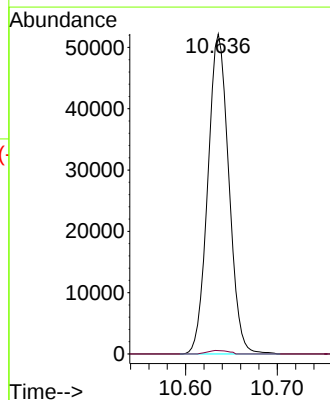
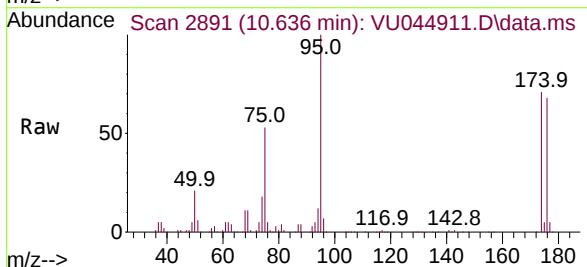
Instrument :
 MSVOA_U
 ClientSampleId :
 1032-FB092021

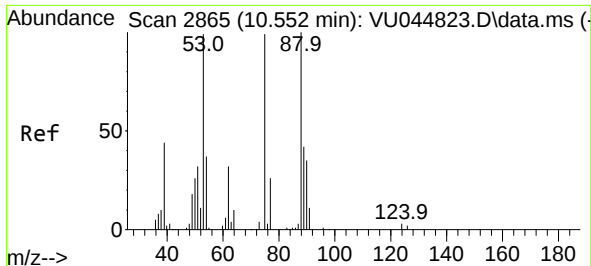
Tgt Ion:152 Resp: 142789
 Ion Ratio Lower Upper
 152 100
 115 61.2 43.5 130.7
 150 156.8 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 19.172 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.193 min
 Lab File: VU044911.D
 Acq: 28 Sep 2021 01:07

Tgt Ion: 75 Resp: 82899
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.9 53.7#

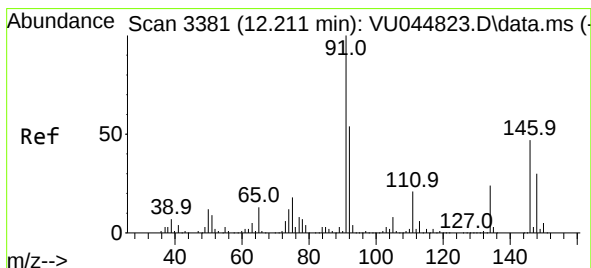
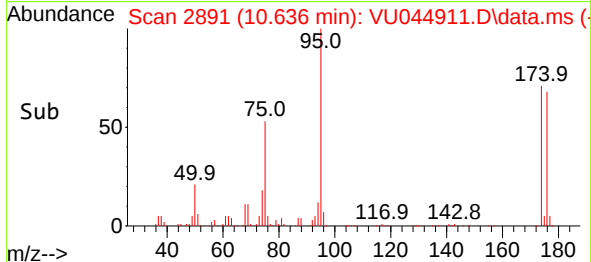
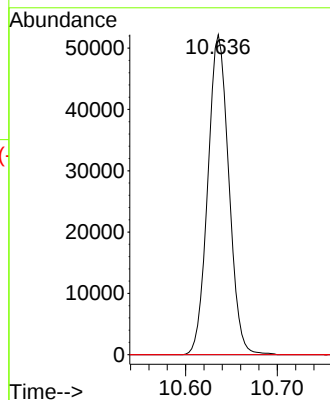
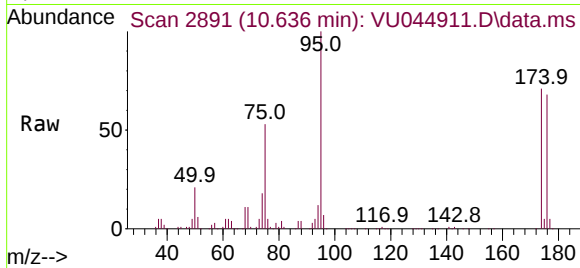




#81
trans-1,4-Dichloro-2-butene
Concen: 62.108 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

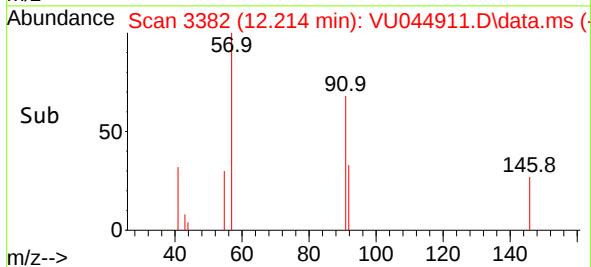
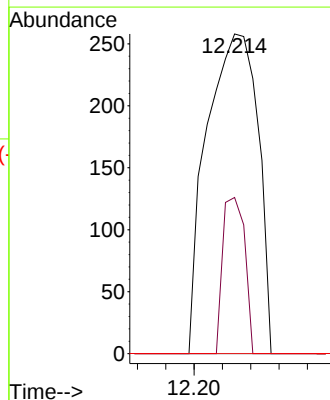
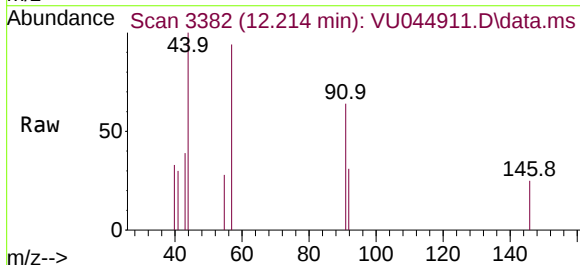
Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

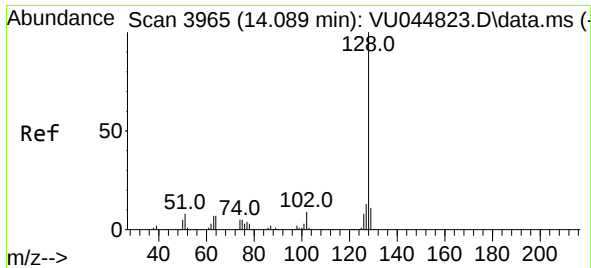
Tgt Ion: 75 Resp: 82899
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#89
n-Butylbenzene
Concen: 1.311 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

Tgt Ion: 91 Resp: 322
Ion Ratio Lower Upper
91 100
92 21.1 26.8 80.4#
134 0.0 11.8 35.4#





#95
Naphthalene
Concen: 1.150 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.006 min
Lab File: VU044911.D
Acq: 28 Sep 2021 01:07

Instrument :
MSVOA_U
ClientSampleId :
1032-FB092021

Tgt Ion:128 Resp: 2309
Ion Ratio Lower Upper
128 100
127 9.1 10.4 15.6#
129 7.3 8.6 13.0#

