

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044839.D
 Acq On : 25 Sep 2021 16:10
 Operator : SY/MD
 Sample : M3833-11DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP01-20210920DL

Quant Time: Sep 27 01:32:25 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)

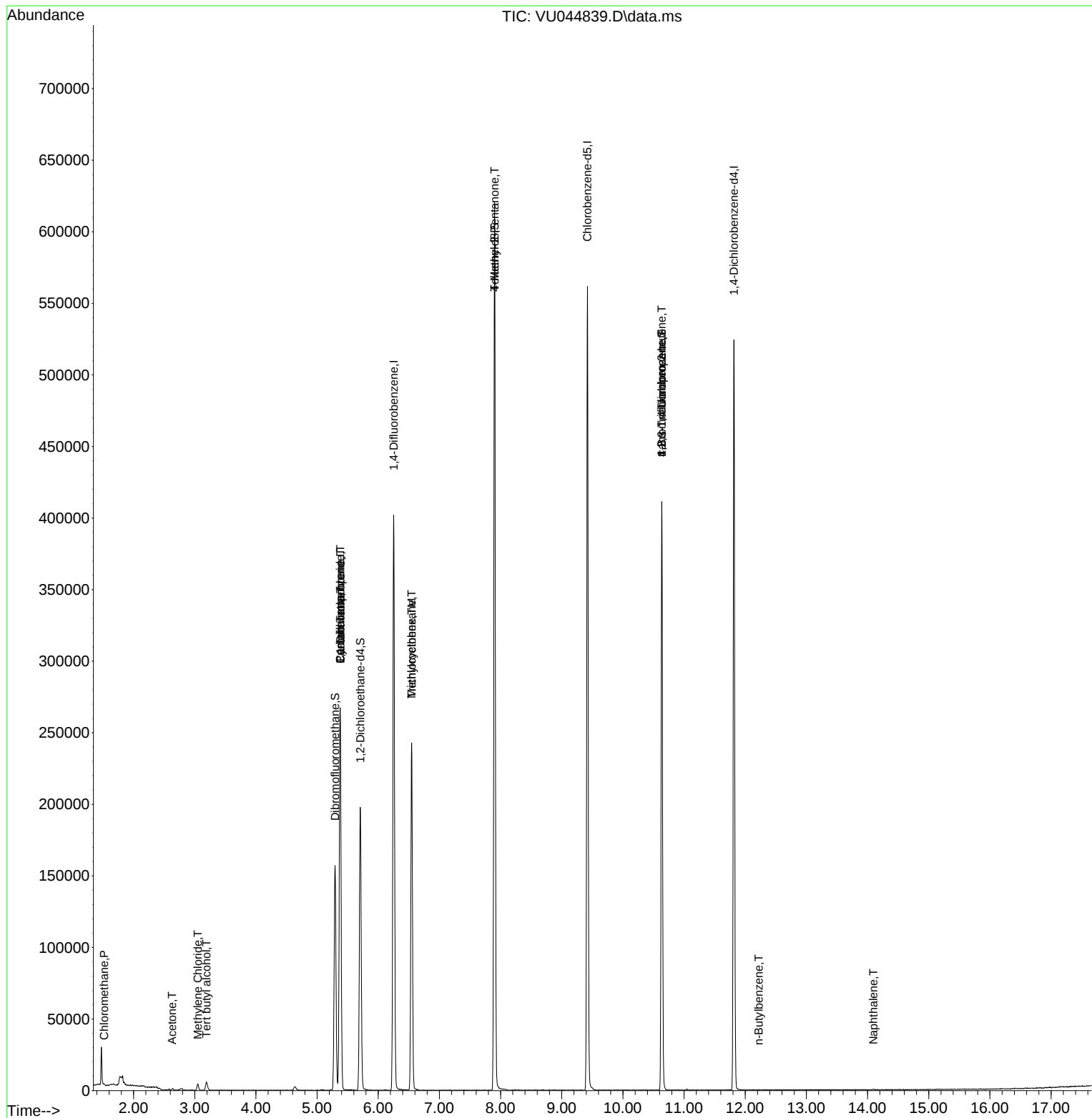
Internal Standards						
1) Pentafluorobenzene	5.378	168	172120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	307086	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	286646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	126637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	149702	49.835	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.660%	
35) Dibromofluoromethane	5.295	113	101094	47.988	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.980%	
50) Toluene-d8	7.902	98	391559	49.213	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.420%	
62) 4-Bromofluorobenzene	10.635	95	133788	45.272	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.540%	
Target Compounds						Qvalue
3) Chloromethane	1.520	50	650	0.208	ug/l	91
5) Bromomethane	1.848	94	671	Below Cal	#	75
6) Chloroethane	1.919	64	114	Below Cal	#	42
11) Tert butyl alcohol	3.189	59	3928	4.480	ug/l #	72
16) Acetone	2.629	43	1155	0.682	ug/l	93
20) Methylene Chloride	3.051	84	2172	0.792	ug/l #	95
31) Cyclohexane	5.378	56	4606	1.068	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	16785	5.152	ug/l #	49
38) Carbon Tetrachloride	5.378	117	18305	6.284	ug/l #	18
39) Methylcyclohexane	6.546	83	1097	0.298	ug/l #	1
44) Trichloroethene	6.546	130	75862	31.775	ug/l	96
51) 4-Methyl-2-Pentanone	7.902	43	1896	0.398	ug/l #	1
76) 1,2,3-Trichloropropane	10.635	75	74166	19.340	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	74166	62.652	ug/l #	9
89) n-Butylbenzene	12.221	91	73	1.285	ug/l #	33
95) Naphthalene	14.095	128	636	1.007	ug/l #	69

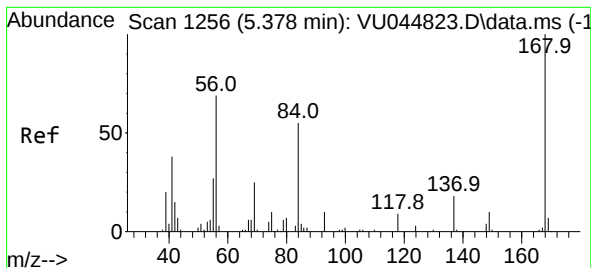
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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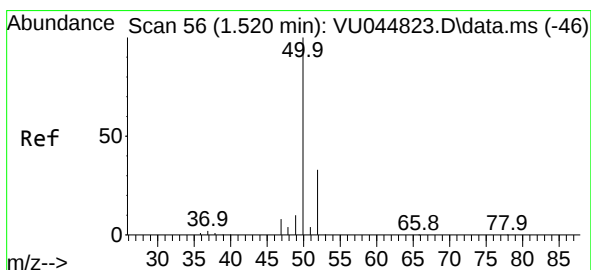
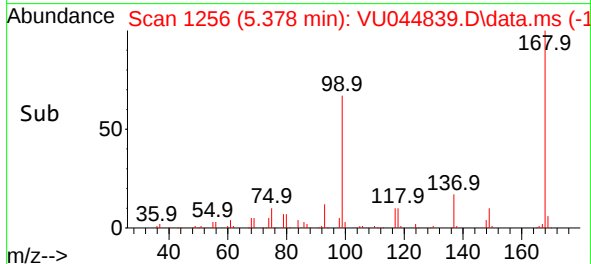
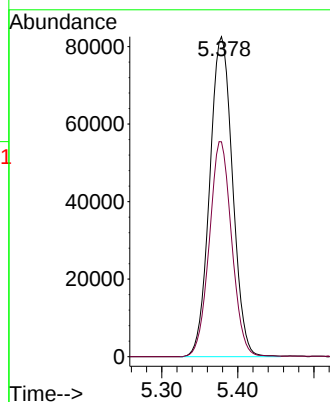
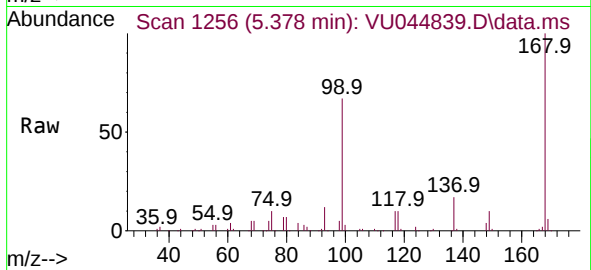




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.000 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

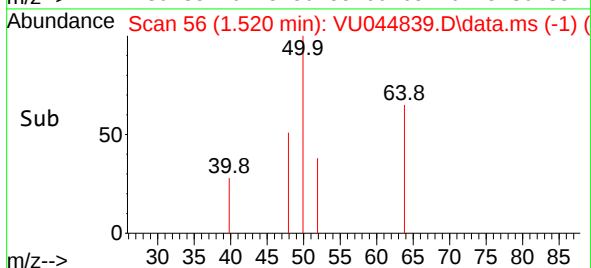
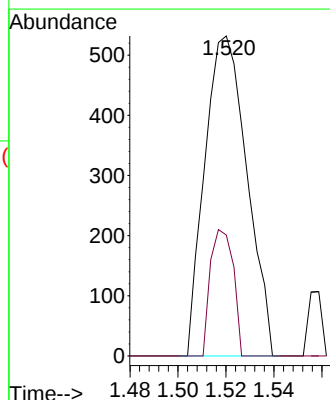
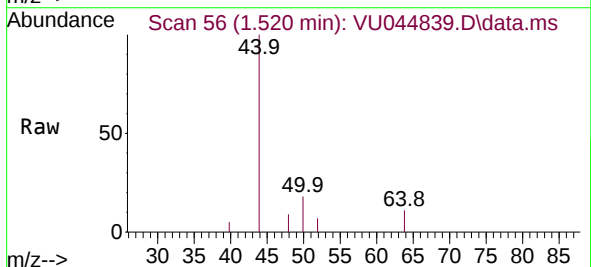
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20210920DL

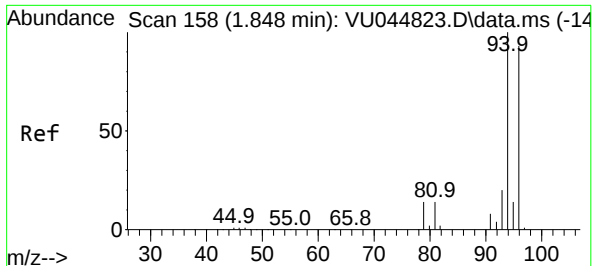
Tgt Ion:168 Resp: 172120
Ion Ratio Lower Upper
168 100
99 67.1 51.4 77.0



#3
Chloromethane
Concen: 0.208 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

Tgt Ion: 50 Resp: 650
Ion Ratio Lower Upper
50 100
52 37.8 26.3 39.5





#5

Bromomethane

Concen: Below Cal

RT: 1.848 min Scan# 158

Delta R.T. 0.000 min

Lab File: VU044839.D

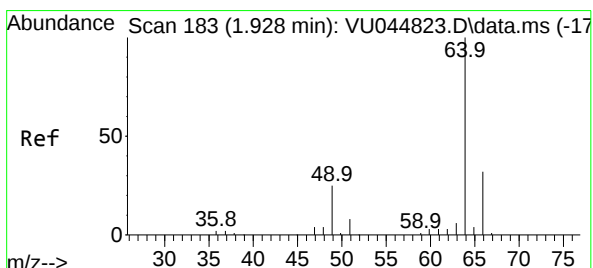
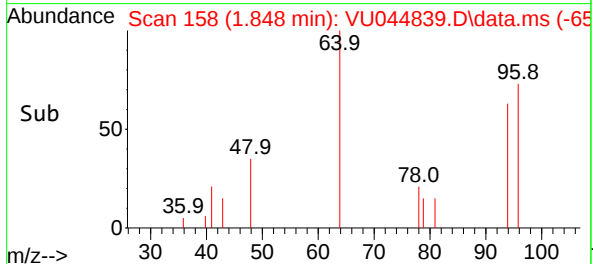
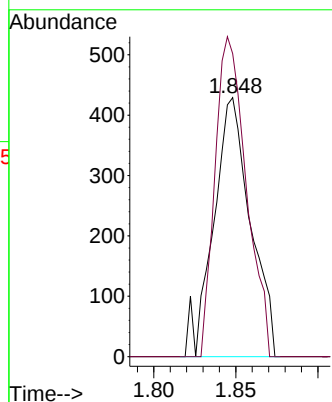
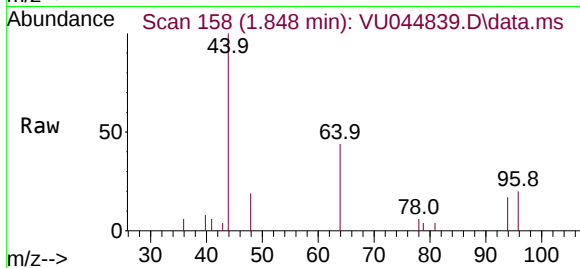
Acq: 25 Sep 2021 16:10

Tgt Ion: 94 Resp: 671

Ion Ratio Lower Upper

94 100

96 117.0 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.919 min Scan# 180

Delta R.T. -0.009 min

Lab File: VU044839.D

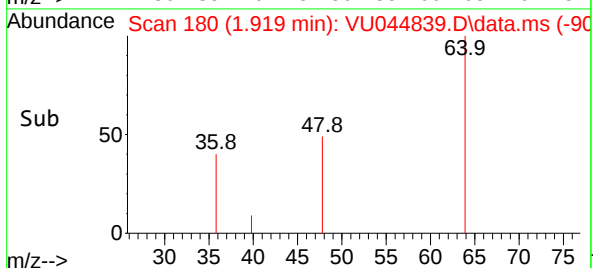
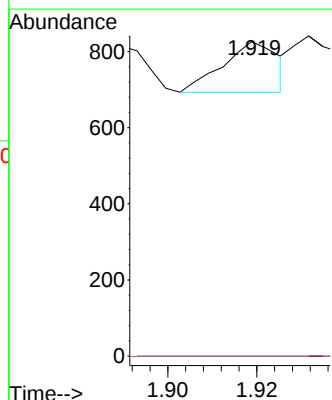
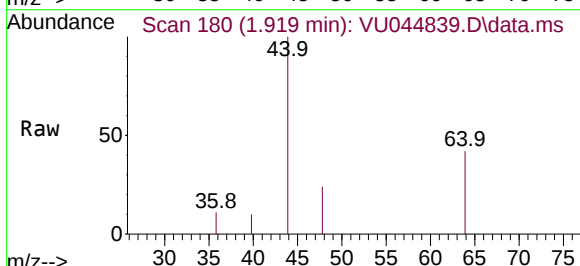
Acq: 25 Sep 2021 16:10

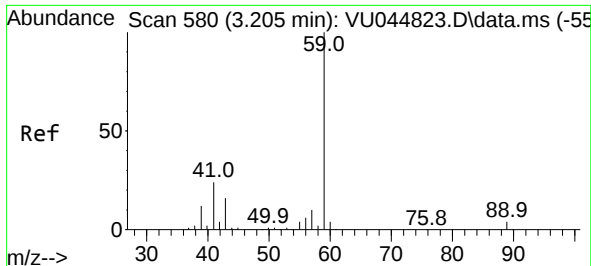
Tgt Ion: 64 Resp: 114

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.8#



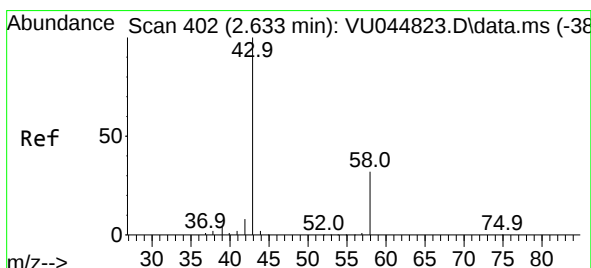
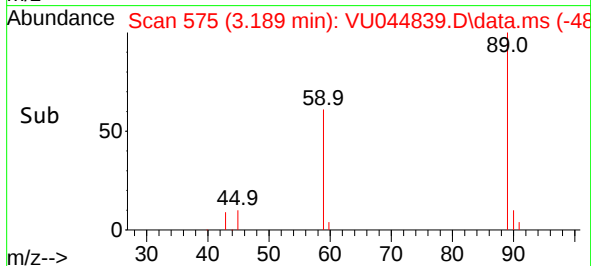
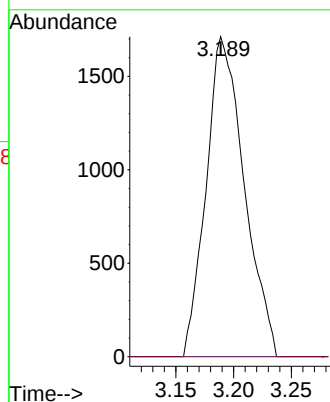
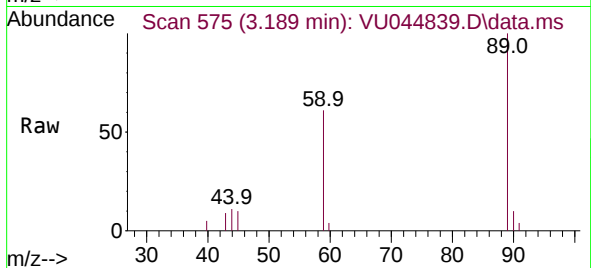


#11

Tert butyl alcohol
Concen: 4.480 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.016 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

Instrument :
MSVOA_U
ClientSampleId :
DUP01-20210920DL

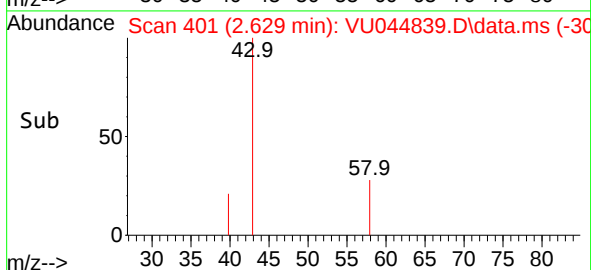
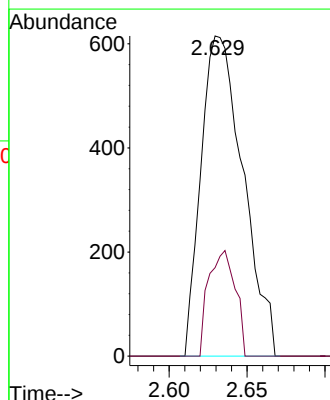
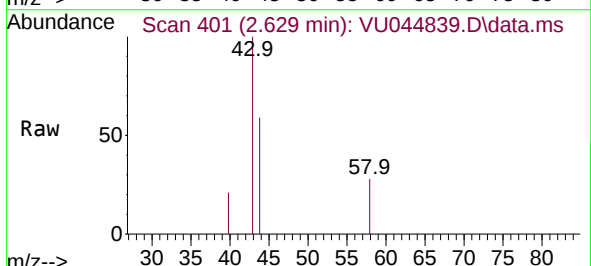
Tgt Ion: 59 Resp: 3928
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

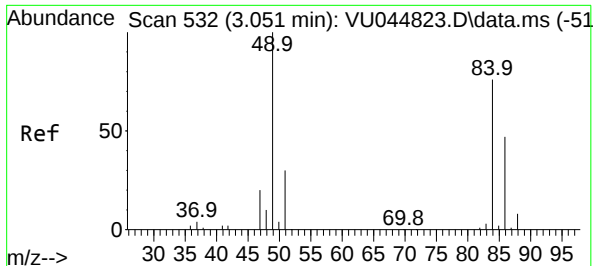


#16

Acetone
Concen: 0.682 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

Tgt Ion: 43 Resp: 1155
Ion Ratio Lower Upper
43 100
58 27.6 25.2 37.8



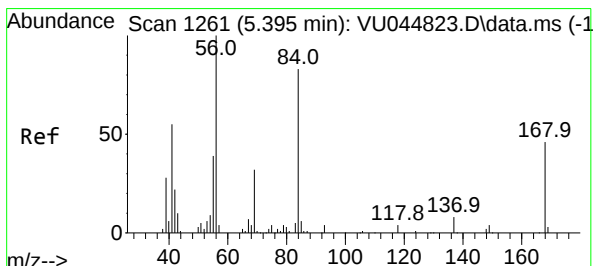
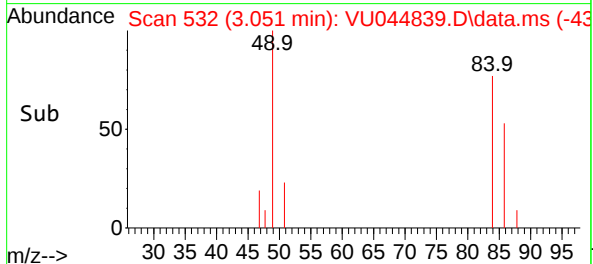
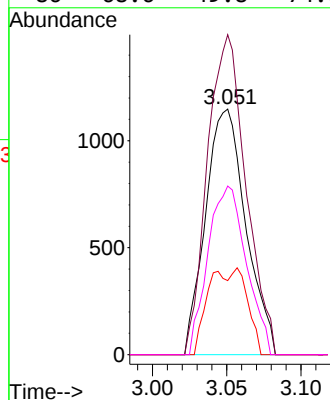
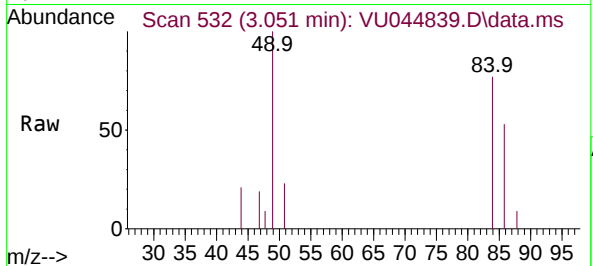


#20
Methylene Chloride
Concen: 0.792 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

Instrument :
MSVOA_U
ClientSampleId :
DUP01-20210920DL

Tgt Ion: 84 Resp: 2172

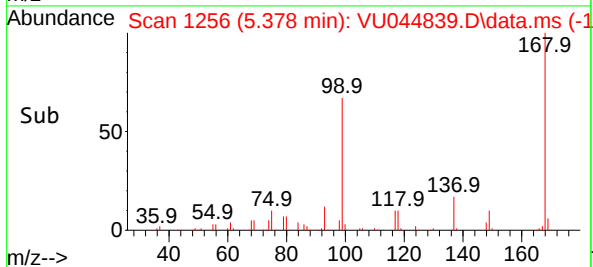
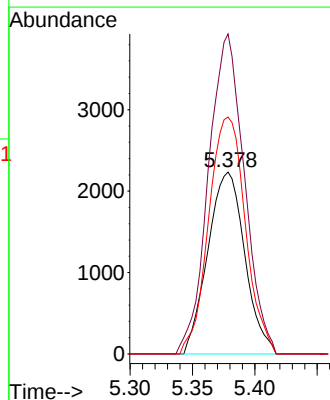
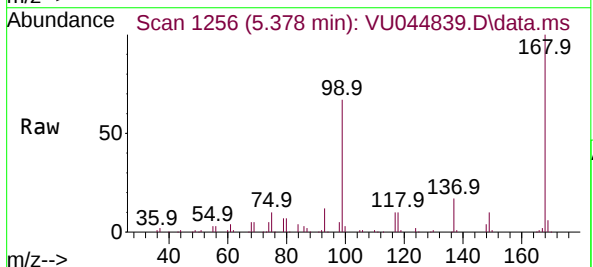
Ion	Ratio	Lower	Upper
84	100		
49	130.3	104.9	157.3
51	30.1	31.8	47.8#
86	68.6	49.8	74.6

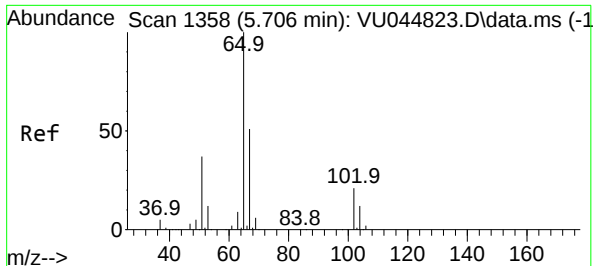


#31
Cyclohexane
Concen: 1.068 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

Tgt Ion: 56 Resp: 4606

Ion	Ratio	Lower	Upper
56	100		
69	176.0	25.2	37.8#
84	130.3	66.4	99.6#



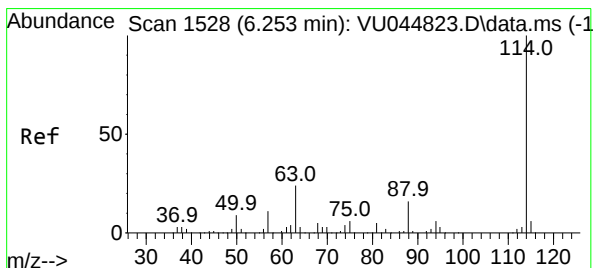
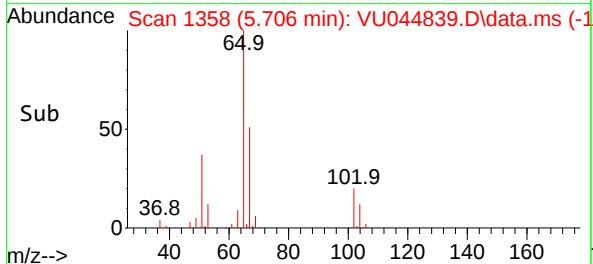
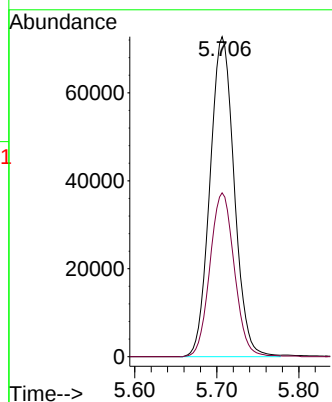
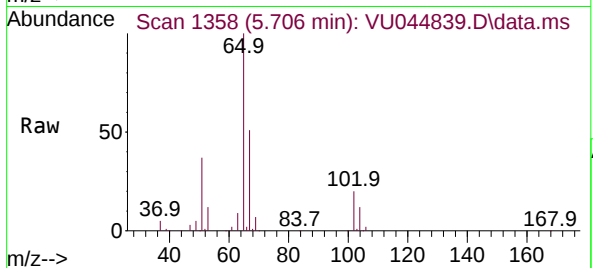


#33

1,2-Dichloroethane-d4
Concen: 49.835 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

Instrument :
MSVOA_U
ClientSampleId :
DUP01-20210920DL

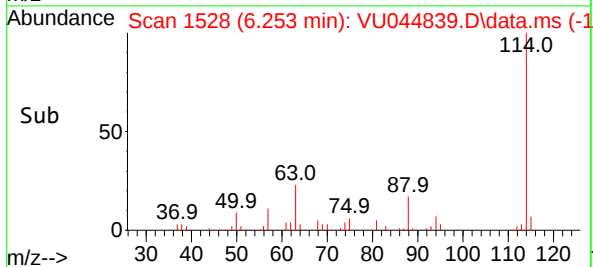
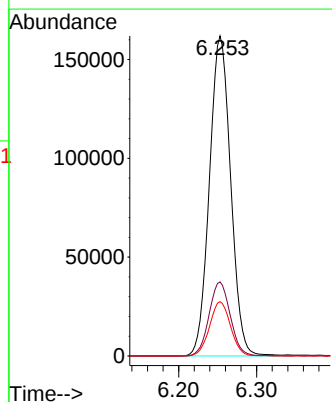
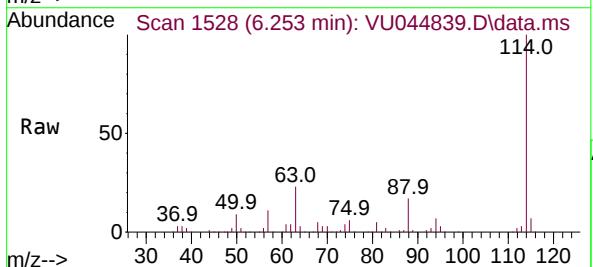
Tgt Ion: 65 Resp: 149702
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.8

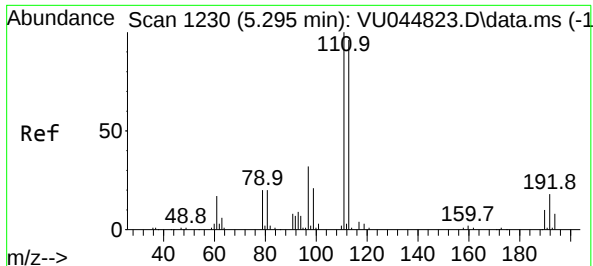


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

Tgt Ion: 114 Resp: 307086
Ion Ratio Lower Upper
114 100
63 23.1 0.0 47.8
88 17.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.988 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VU044839.D

Acq: 25 Sep 2021 16:10

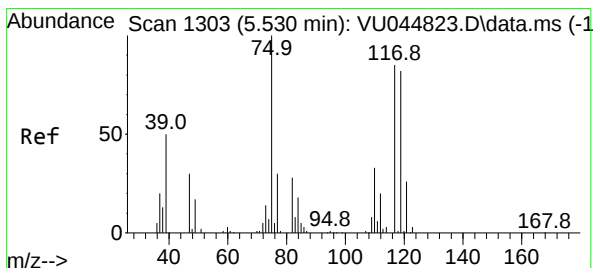
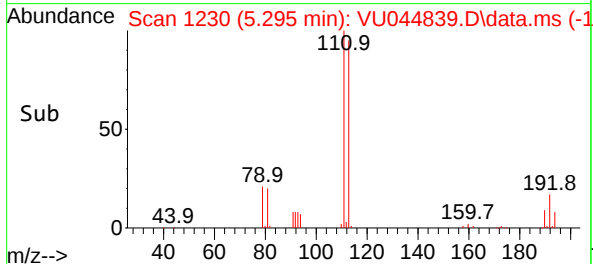
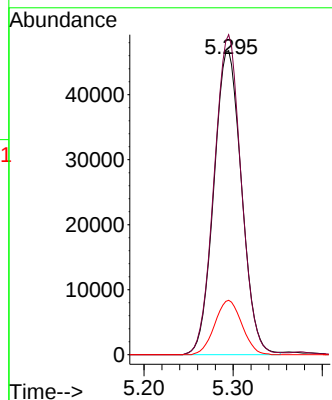
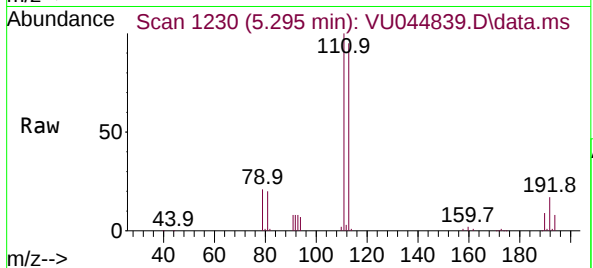
Tgt Ion:113 Resp: 101094

Ion Ratio Lower Upper

113 100

111 103.0 84.1 126.1

192 17.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.152 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU044839.D

Acq: 25 Sep 2021 16:10

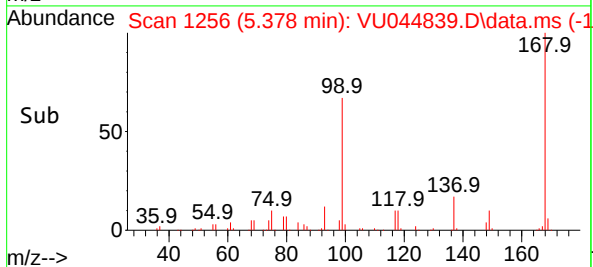
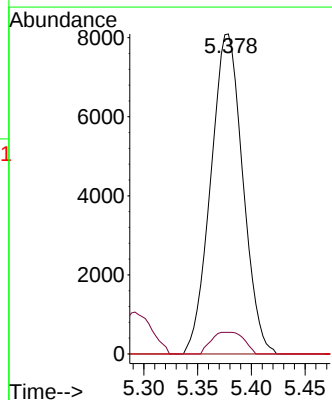
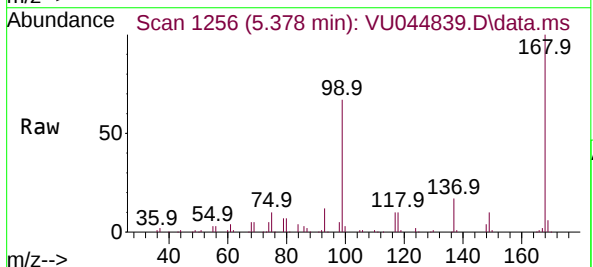
Tgt Ion: 75 Resp: 16785

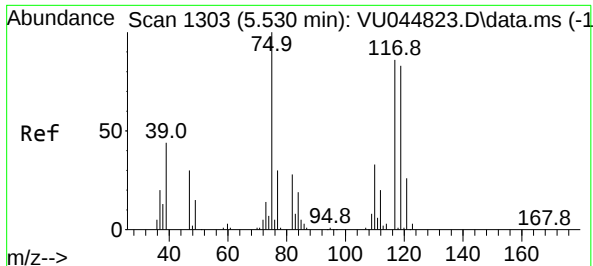
Ion Ratio Lower Upper

75 100

110 6.9 16.3 48.9#

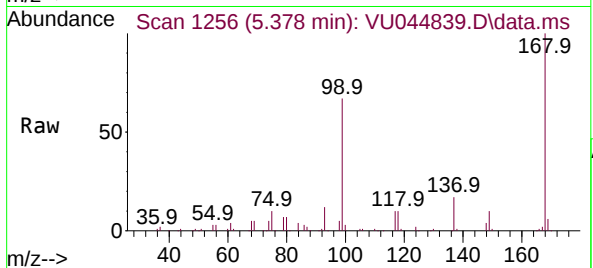
77 0.0 25.0 37.4#



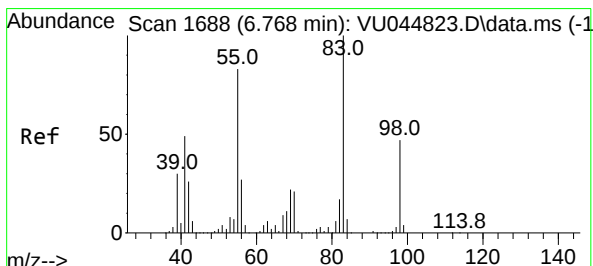
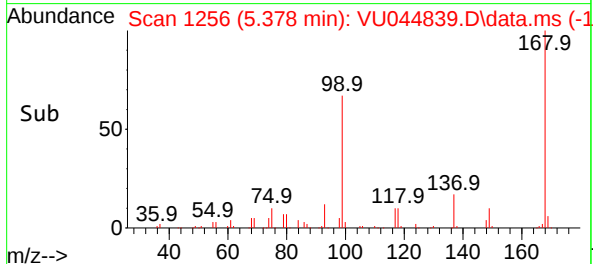
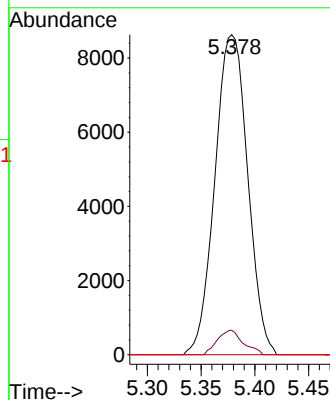


#38
Carbon Tetrachloride
Concen: 6.284 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

Instrument :
MSVOA_U
ClientSampleId :
DUP01-20210920DL

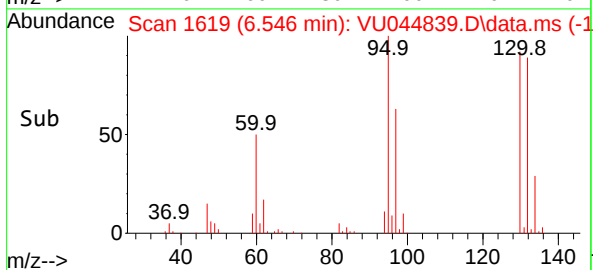
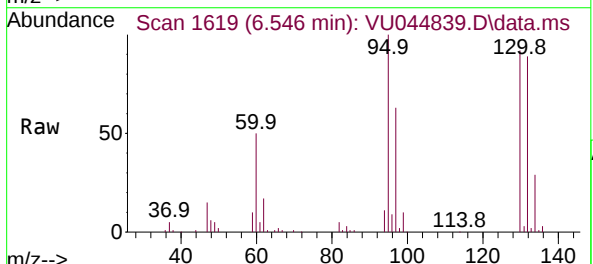
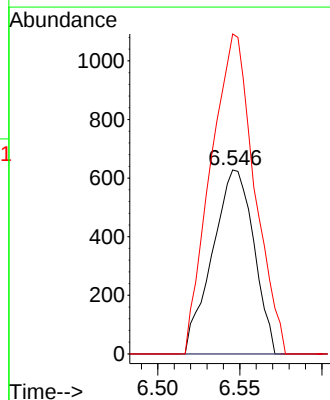


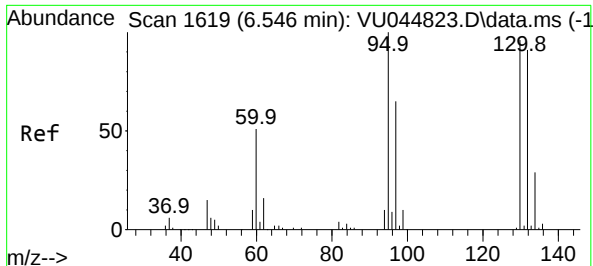
Tgt Ion: 117 Resp: 18305
Ion Ratio Lower Upper
117 100
119 7.7 77.4 116.2#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 0.298 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. -0.222 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

Tgt Ion: 83 Resp: 1097
Ion Ratio Lower Upper
83 100
55 0.0 66.2 99.4#
98 173.9 37.5 56.3#

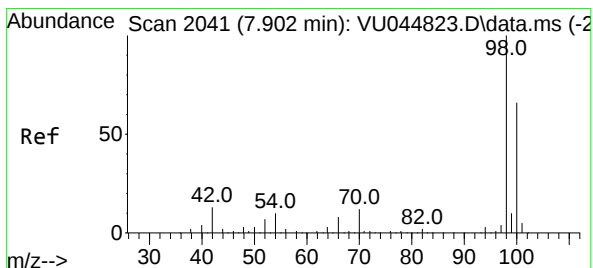
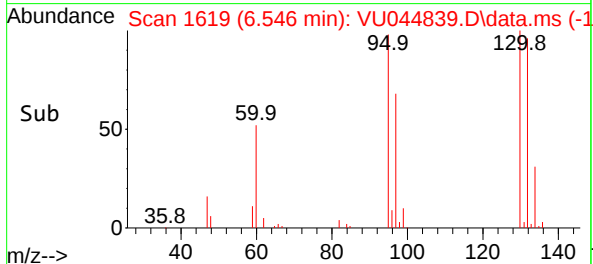
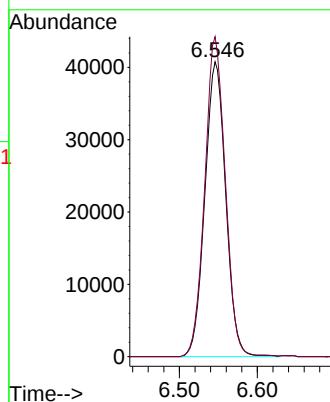
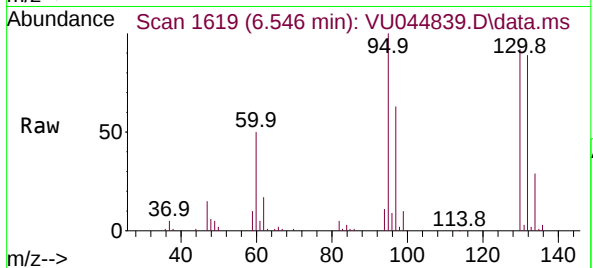




#44
Trichloroethene
Concen: 31.775 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

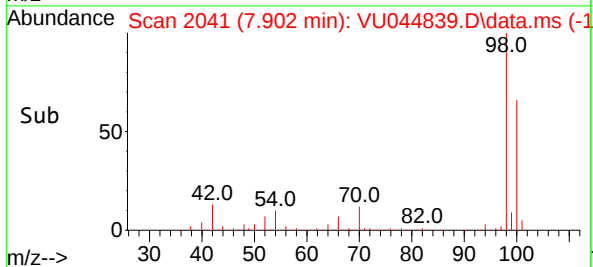
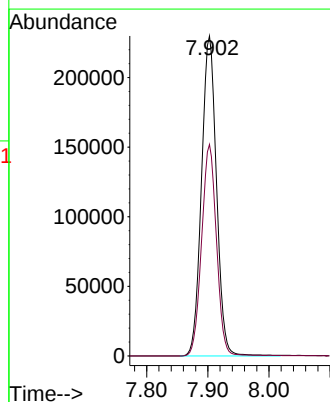
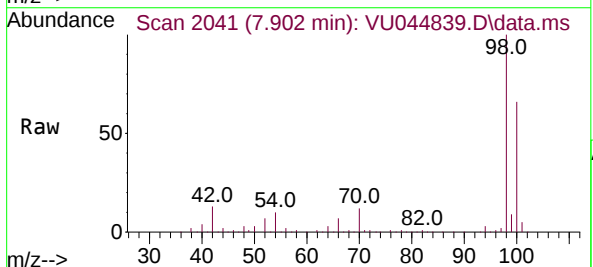
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20210920DL

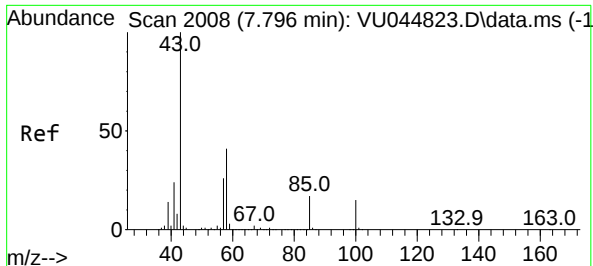
Tgt Ion:130 Resp: 75862
Ion Ratio Lower Upper
130 100
95 108.5 0.0 209.0



#50
Toluene-d8
Concen: 49.213 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

Tgt Ion: 98 Resp: 391559
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7

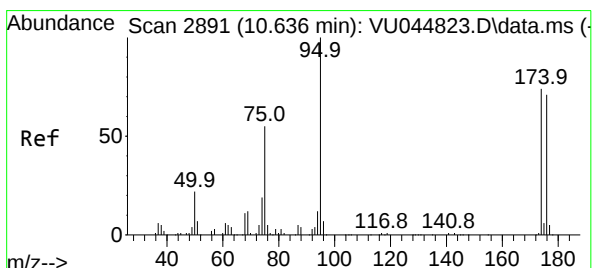
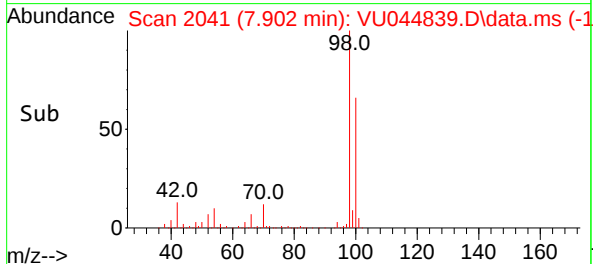
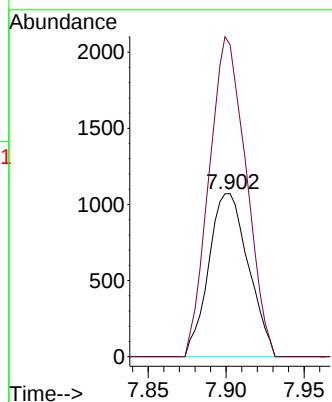
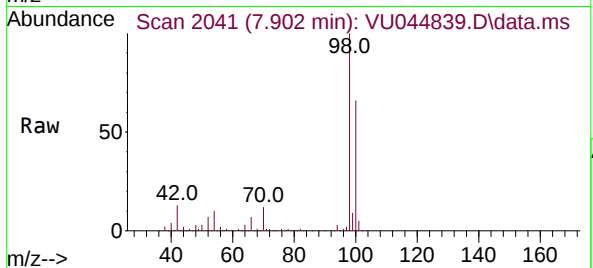




#51
4-Methyl-2-Pentanone
Concen: 0.398 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.106 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

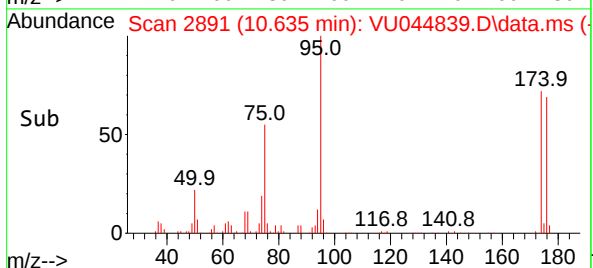
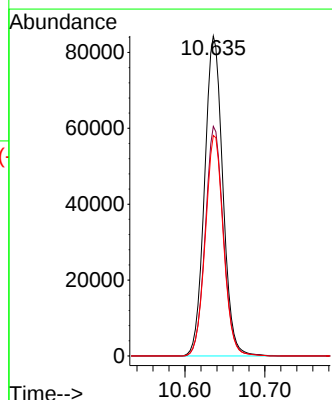
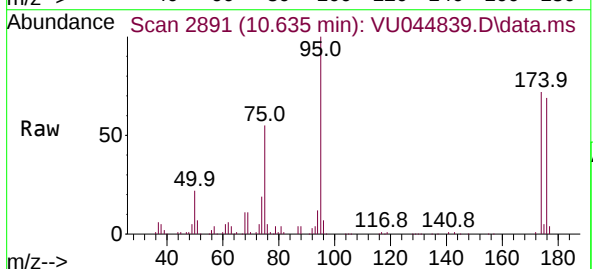
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20210920DL

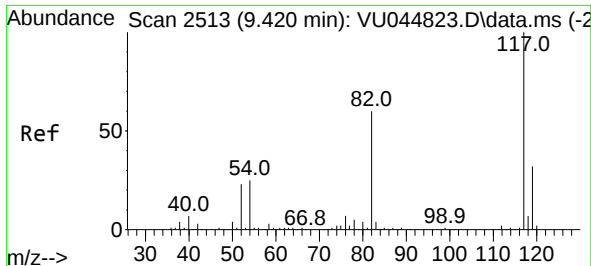
Tgt Ion: 43 Resp: 1896
Ion Ratio Lower Upper
43 100
58 183.1 32.4 48.6#



#62
4-Bromofluorobenzene
Concen: 45.272 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

Tgt Ion: 95 Resp: 133788
Ion Ratio Lower Upper
95 100
174 71.3 0.0 146.6
176 68.5 0.0 141.2

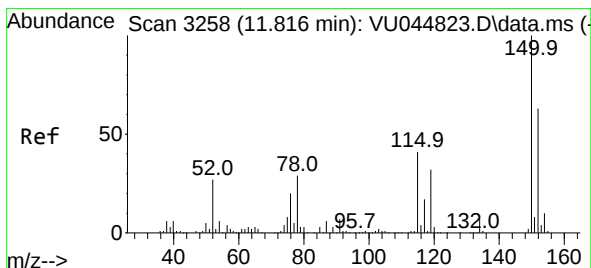
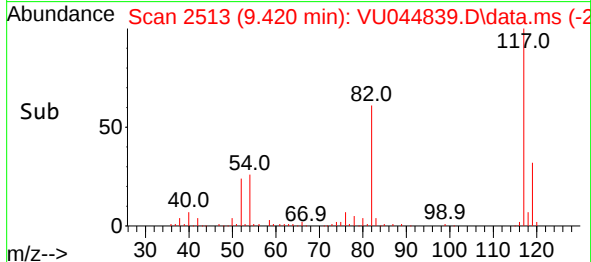
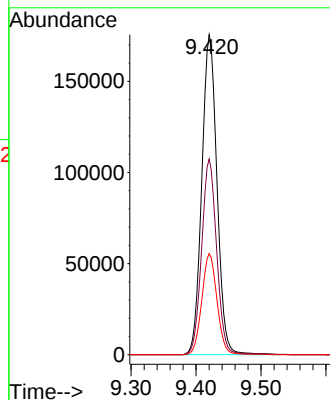
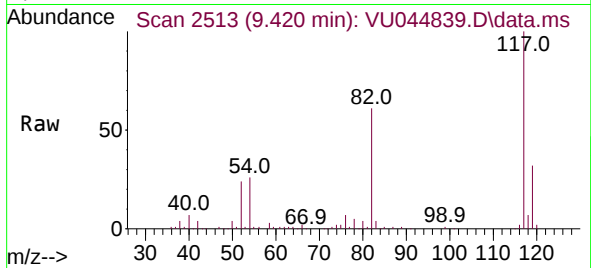




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

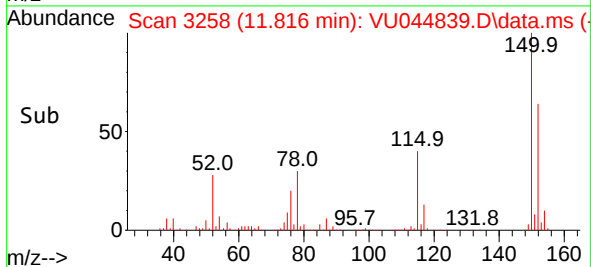
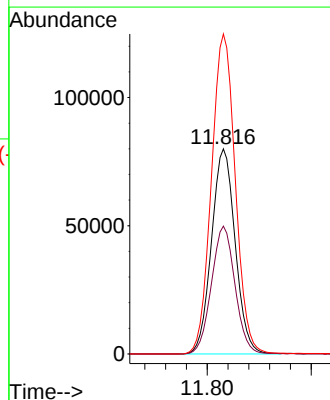
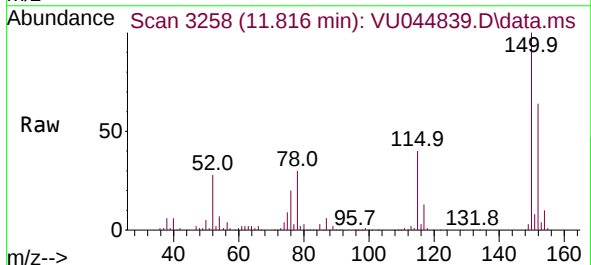
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20210920DL

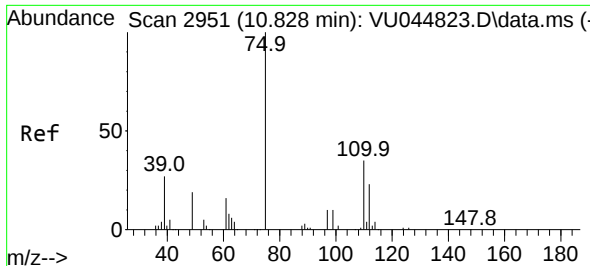
Tgt Ion:117 Resp: 286646
Ion Ratio Lower Upper
117 100
82 61.1 47.8 71.8
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. -0.000 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

Tgt Ion:152 Resp: 126637
Ion Ratio Lower Upper
152 100
115 62.0 43.5 130.7
150 157.0 0.0 350.0

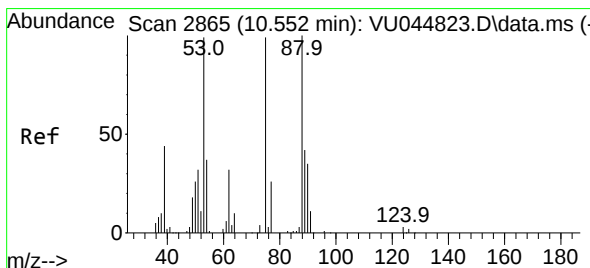
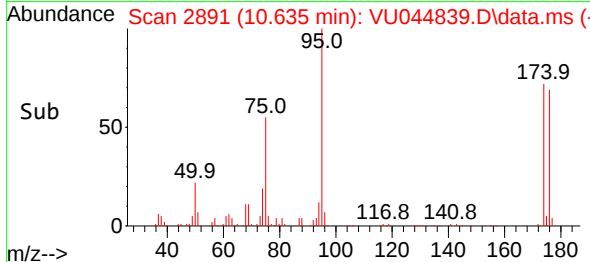
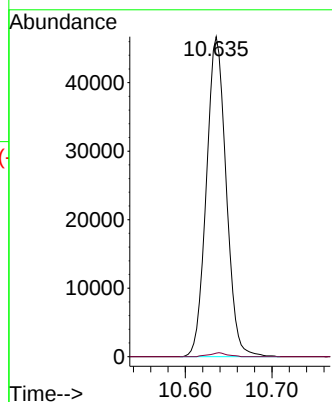
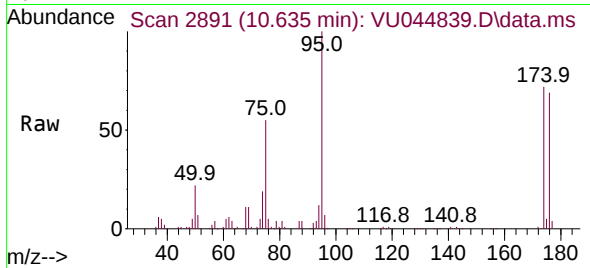




#76
1,2,3-Trichloropropane
Concen: 19.340 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

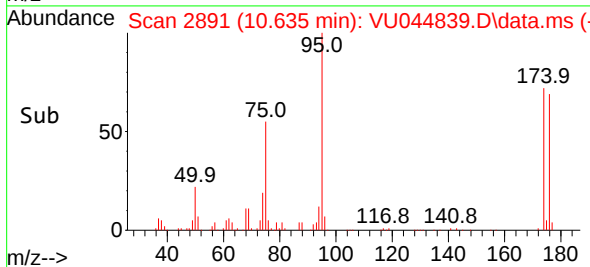
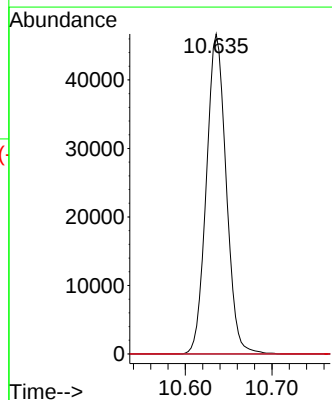
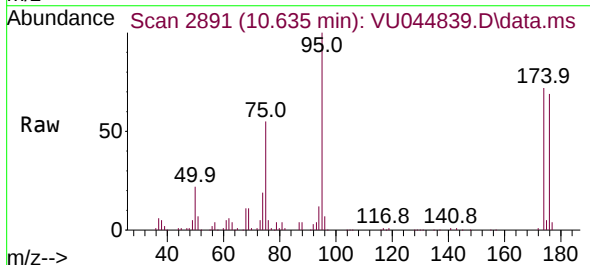
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20210920DL

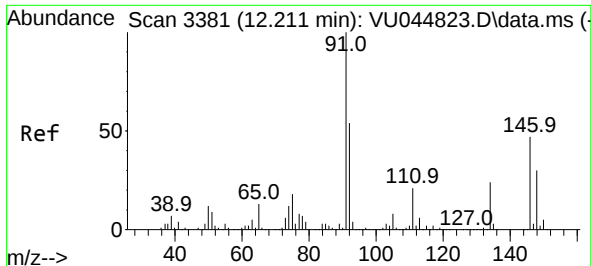
Tgt Ion: 75 Resp: 74166
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.652 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

Tgt Ion: 75 Resp: 74166
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

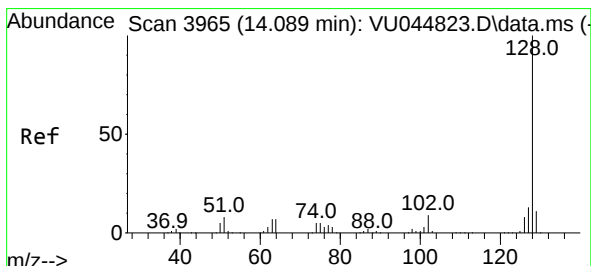
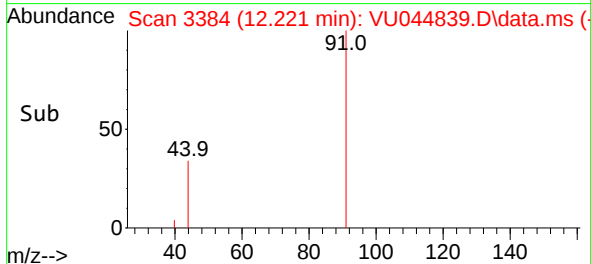
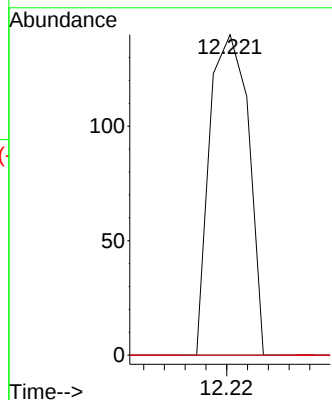
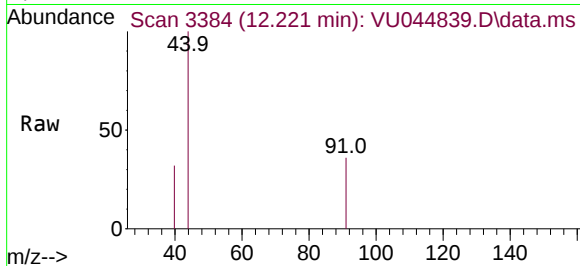




#89
n-Butylbenzene
Concen: 1.285 ug/l
RT: 12.221 min Scan# 3384
Delta R.T. 0.010 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

Instrument :
MSVOA_U
ClientSampleId :
DUP01-20210920DL

Tgt Ion: 91	Resp:	73
Ion Ratio	Lower	Upper
91	100	
92	0.0	26.8 80.4#
134	0.0	11.8 35.4#



#95
Naphthalene
Concen: 1.007 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.006 min
Lab File: VU044839.D
Acq: 25 Sep 2021 16:10

Tgt Ion: 128	Resp:	636
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.4 15.6#
129	0.0	8.6 13.0#

