

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048840.D
 Acq On : 03 Jun 2022 06:23
 Operator : SY/MD
 Sample : N3165-04 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 52BR-20220531

Quant Time: Jun 03 06:57:46 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)

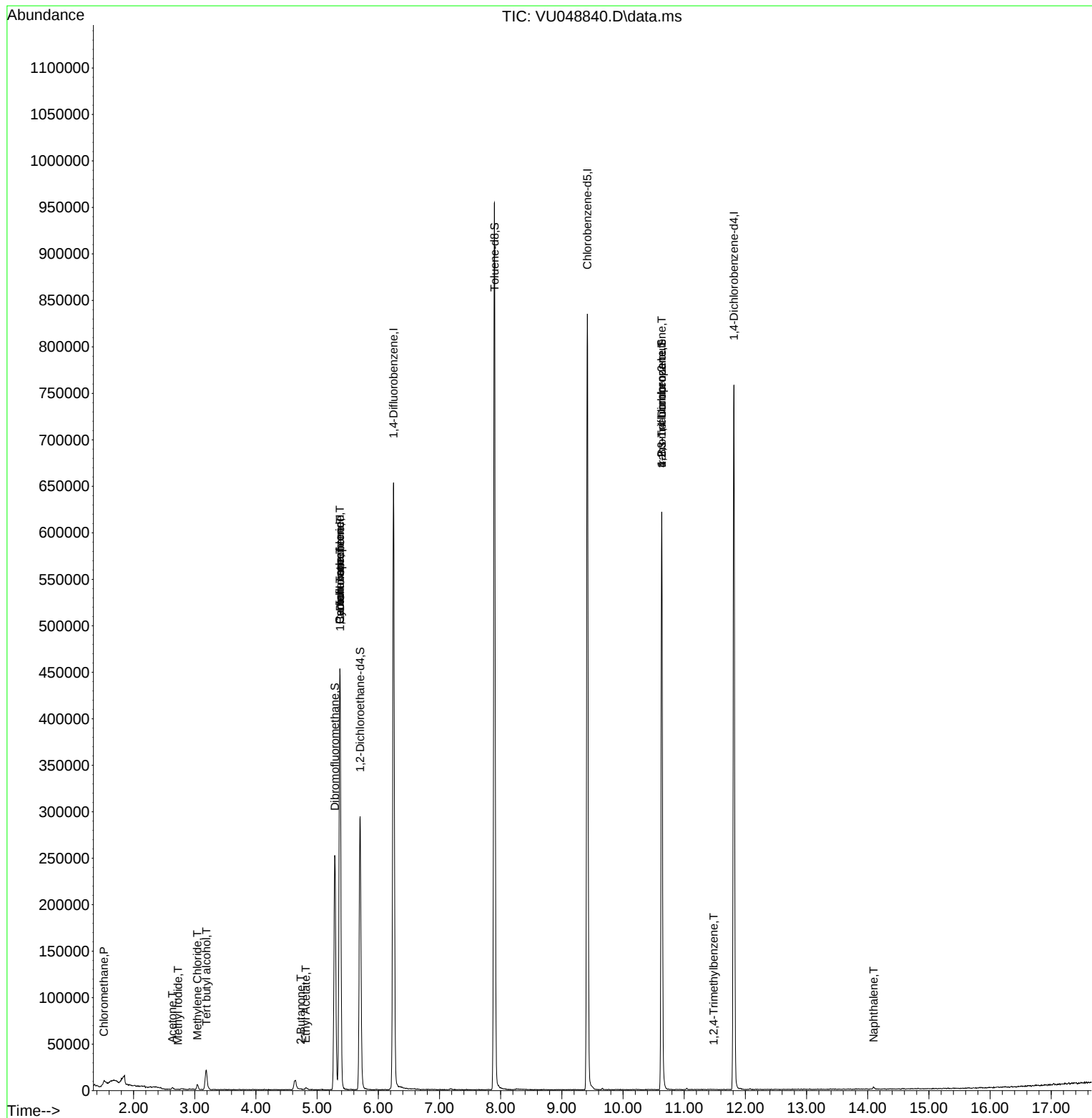
Internal Standards						
1) Pentafluorobenzene	5.372	168	304005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	516438	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	462713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	199811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	227029	49.726	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.460%
35) Dibromofluoromethane	5.289	113	166917	45.304	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.600%
50) Toluene-d8	7.899	98	631299	47.800	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.600%
62) 4-Bromofluorobenzene	10.632	95	208824	41.808	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.620%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1148	0.256	ug/l	93
5) Bromomethane	1.855	94	243	Below Cal	#	63
6) Chloroethane	2.051	64	204	Below Cal	#	43
10) Methyl Iodide	2.726	142	52	3.015	ug/l #	37
11) Tert butyl alcohol	3.189	59	13831	11.949	ug/l #	28
13) Acrolein	2.491	56	53	Below Cal		94
16) Acetone	2.636	43	2359	1.014	ug/l	98
20) Methylene Chloride	3.041	84	2497	0.631	ug/l	94
25) 2-Butanone	4.732	43	1389	0.416	ug/l #	83
31) Cyclohexane	5.372	56	6258	1.088	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	25514	4.745	ug/l #	50
37) Ethyl Acetate	4.816	43	3217	0.473	ug/l #	86
38) Carbon Tetrachloride	5.372	117	32197	5.219	ug/l #	18
76) 1,2,3-Trichloropropane	10.632	75	107617	16.705	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	107617	60.652	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.481	105	86	1.194	ug/l #	31
95) Naphthalene	14.095	128	2747	2.698	ug/l #	88

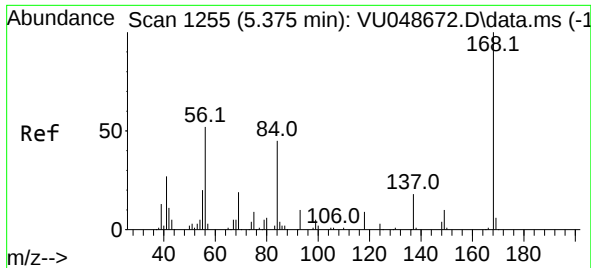
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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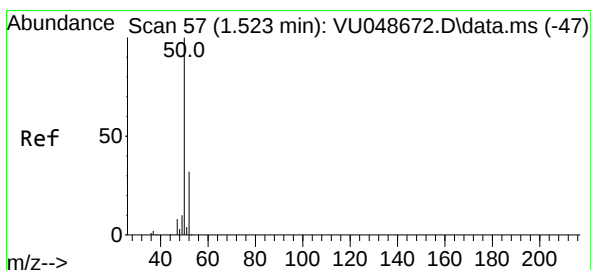
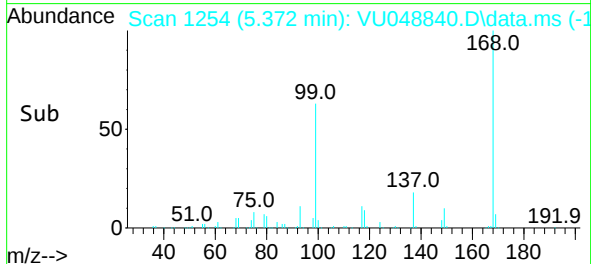
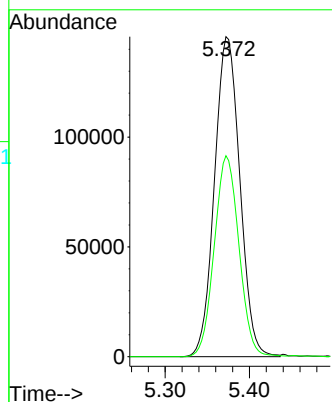
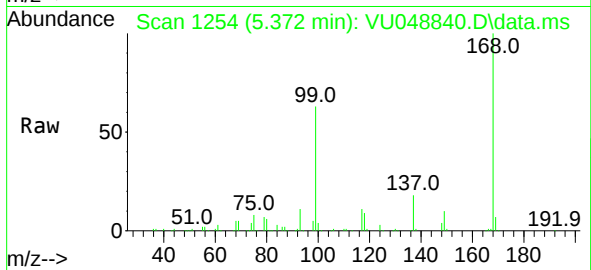




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

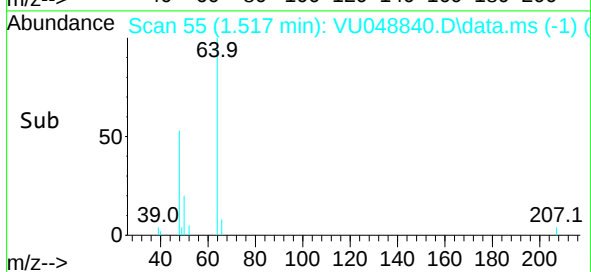
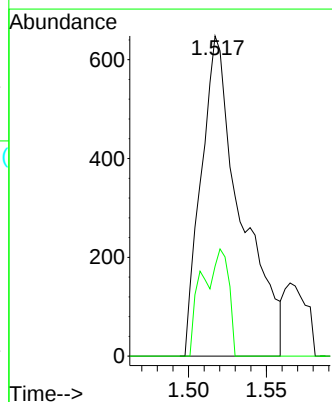
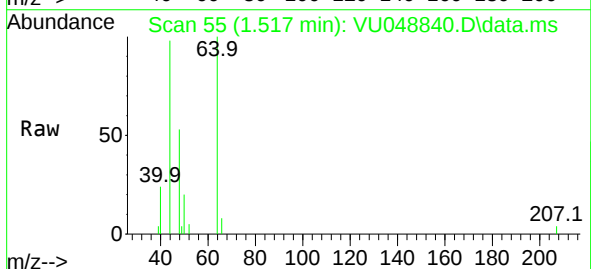
Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531

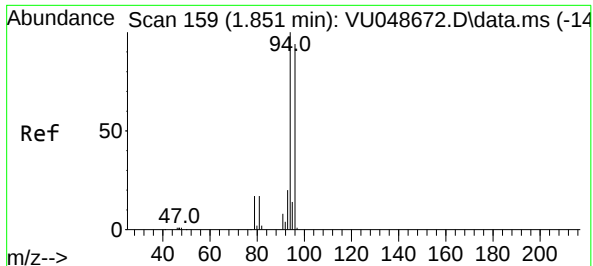
Tgt Ion:168 Resp: 304005
Ion Ratio Lower Upper
168 100
99 62.8 49.3 73.9



#3
Chloromethane
Concen: 0.256 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.006 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

Tgt Ion: 50 Resp: 1148
Ion Ratio Lower Upper
50 100
52 28.1 25.7 38.5

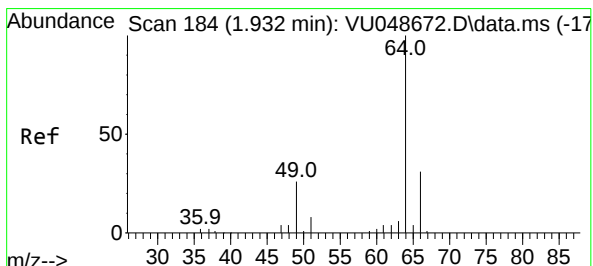
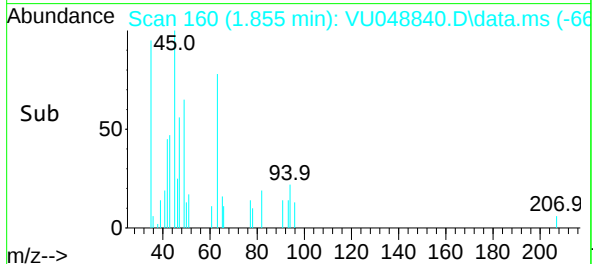
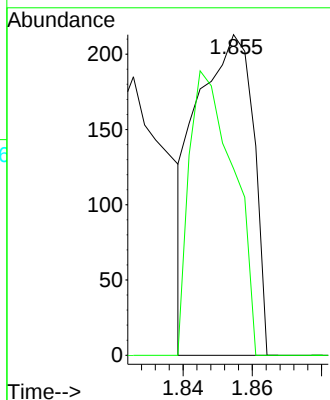
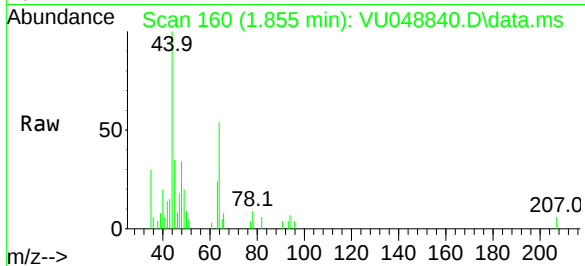




#5
Bromomethane
Concen: Below Cal
RT: 1.855 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

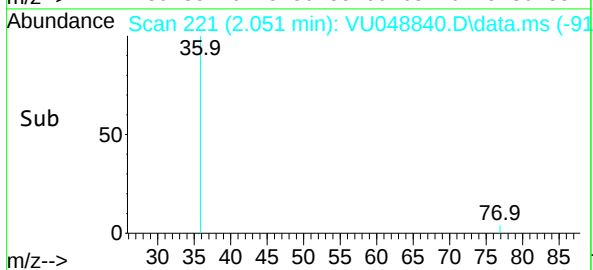
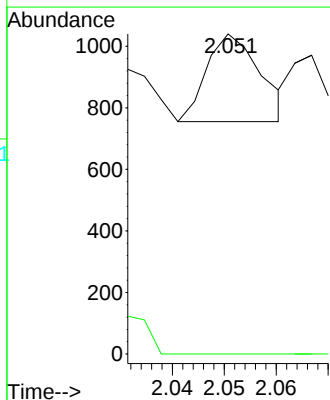
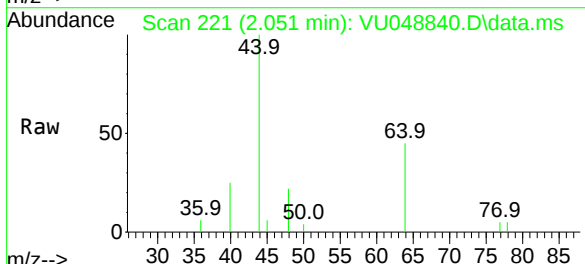
Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531

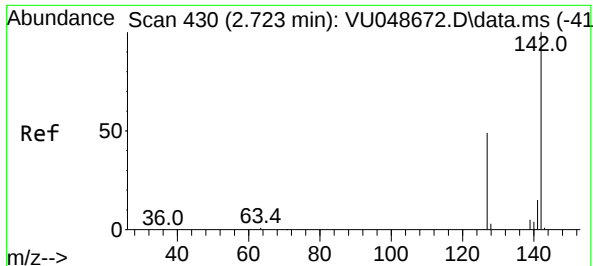
Tgt Ion: 94 Resp: 243
Ion Ratio Lower Upper
94 100
96 58.2 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 2.051 min Scan# 221
Delta R.T. 0.119 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

Tgt Ion: 64 Resp: 204
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

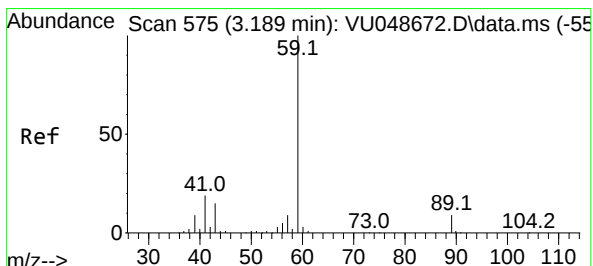
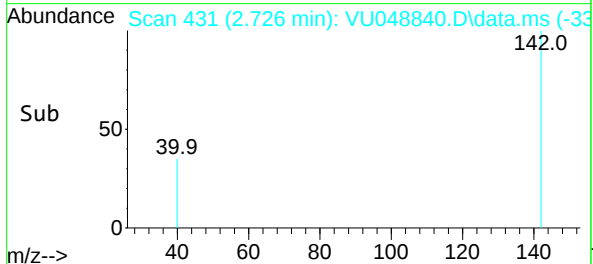
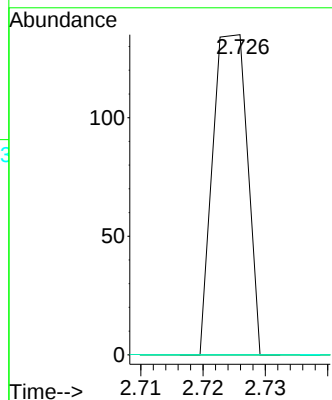
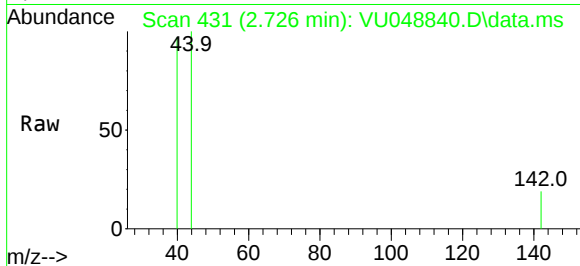




#10
Methyl Iodide
Concen: 3.015 ug/l
RT: 2.726 min Scan# 41
Delta R.T. 0.003 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

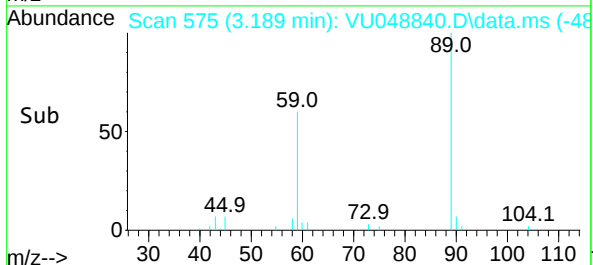
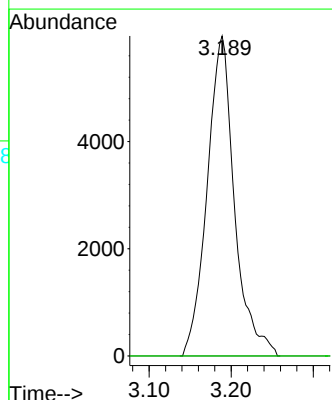
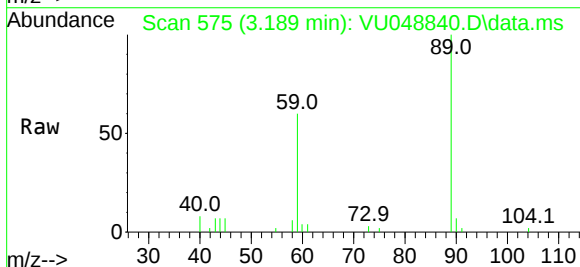
Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531

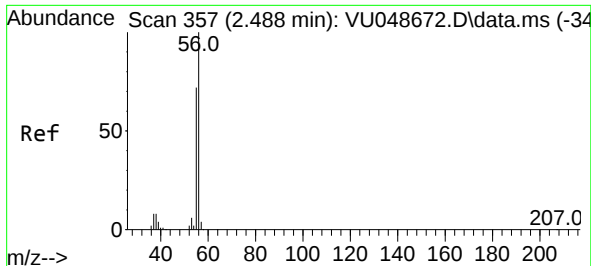
Tgt Ion:142 Resp: 52
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 11.949 ug/l
RT: 3.189 min Scan# 575
Delta R.T. 0.000 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

Tgt Ion: 59 Resp: 13831
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

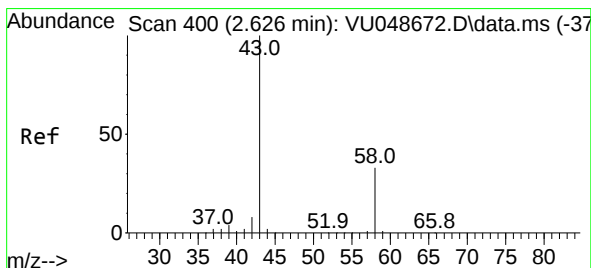
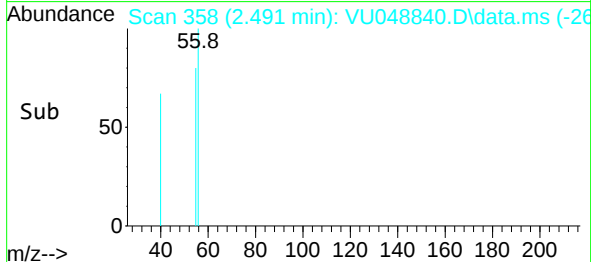
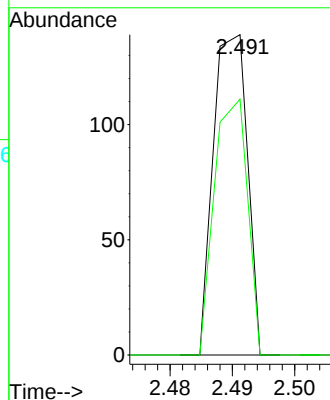
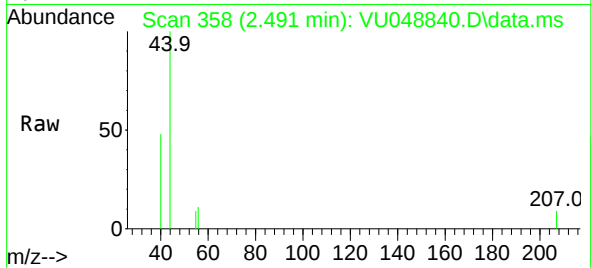




#13
Acrolein
Concen: Below Cal
RT: 2.491 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

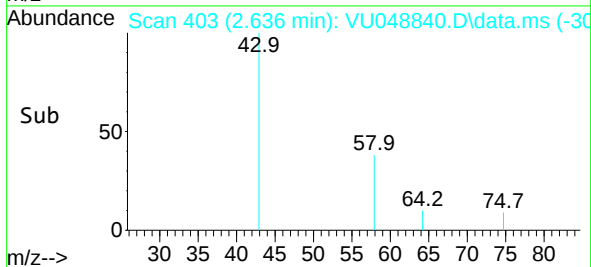
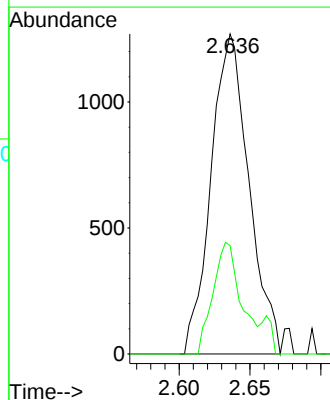
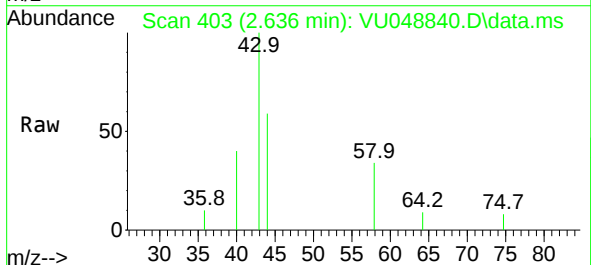
Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531

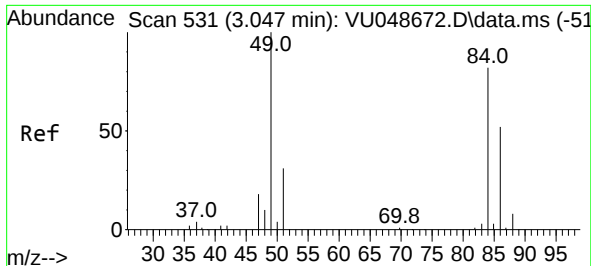
Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 77.4 57.7 86.5



#16
Acetone
Concen: 1.014 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.010 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

Tgt Ion: 43 Resp: 2359
Ion Ratio Lower Upper
43 100
58 33.9 26.3 39.5

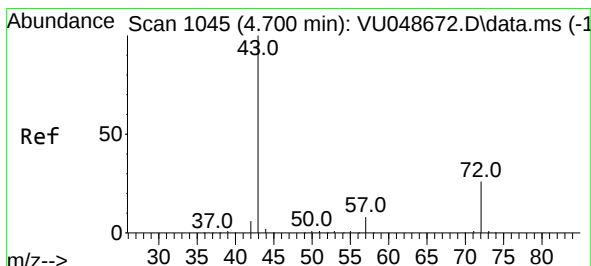
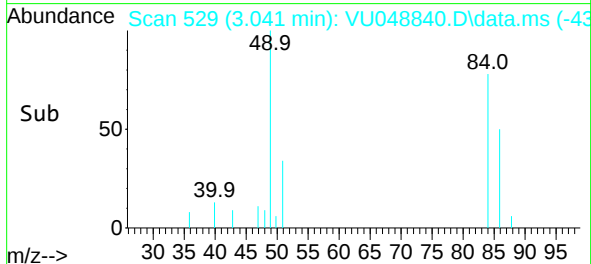
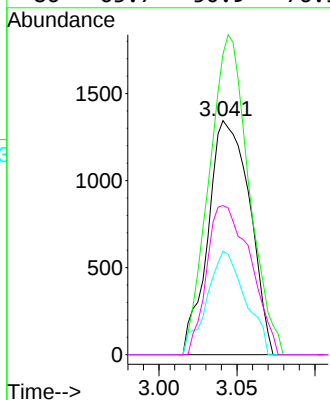
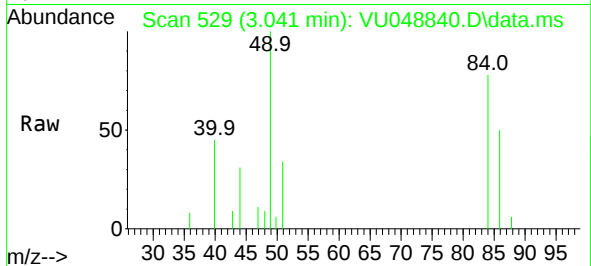




#20
Methylene Chloride
Concen: 0.631 ug/l
RT: 3.041 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

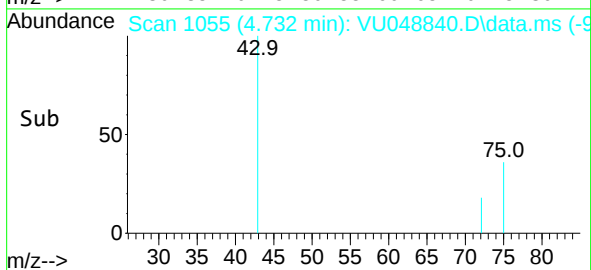
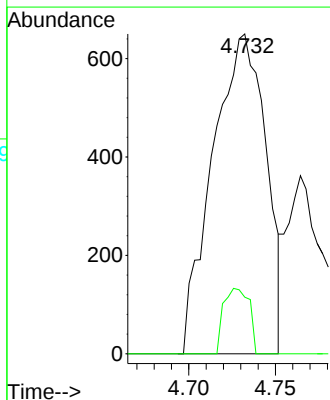
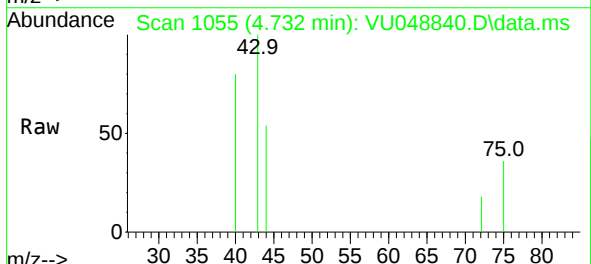
Instrument :
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ClientSampleId :
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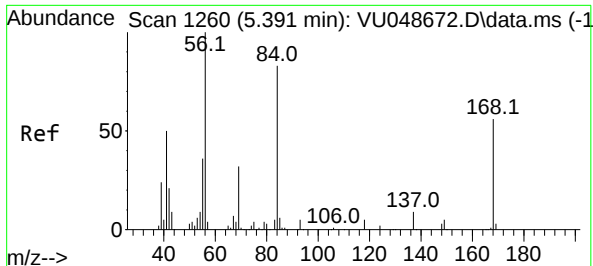
Tgt Ion:	84	Resp:	2497
Ion	Ratio	Lower	Upper
84	100		
49	128.5	97.0	145.4
51	44.2	29.8	44.8
86	63.7	50.9	76.3



#25
2-Butanone
Concen: 0.416 ug/l
RT: 4.732 min Scan# 1055
Delta R.T. 0.032 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

Tgt Ion:	43	Resp:	1389
Ion	Ratio	Lower	Upper
43	100		
72	17.7	21.1	31.7#

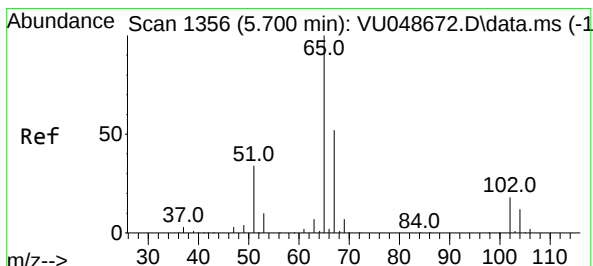
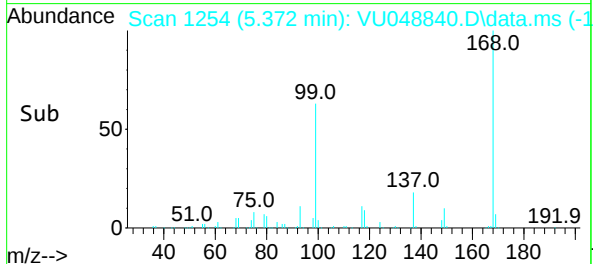
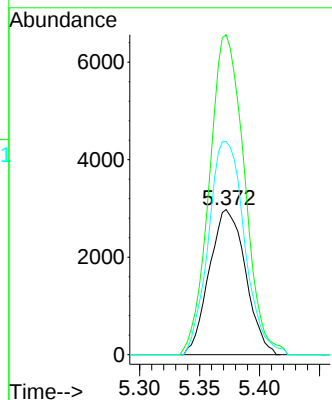
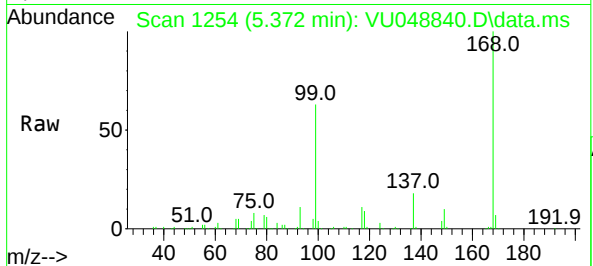




#31
Cyclohexane
Concen: 1.088 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.019 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

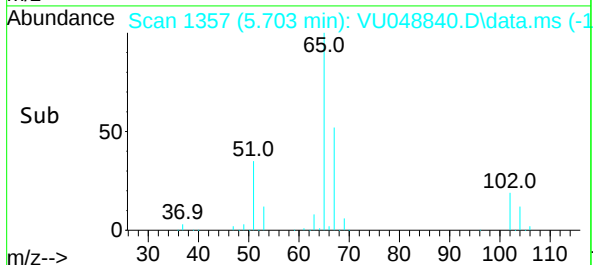
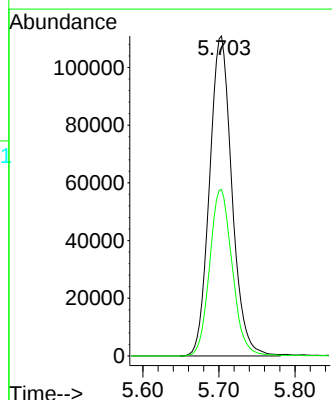
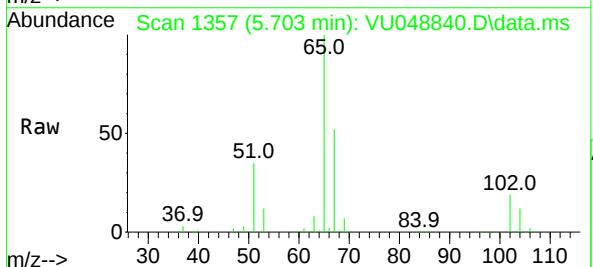
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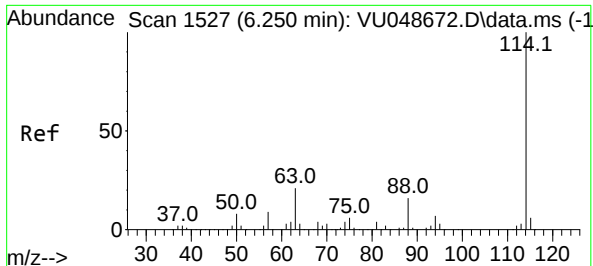
Tgt Ion: 56 Resp: 6258
Ion Ratio Lower Upper
56 100
69 220.5 25.6 38.4#
84 146.9 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 49.726 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

Tgt Ion: 65 Resp: 227029
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048840.D

Acq: 03 Jun 2022 06:23

Instrument :

MSVOA_U

ClientSampleId :

52BR-20220531

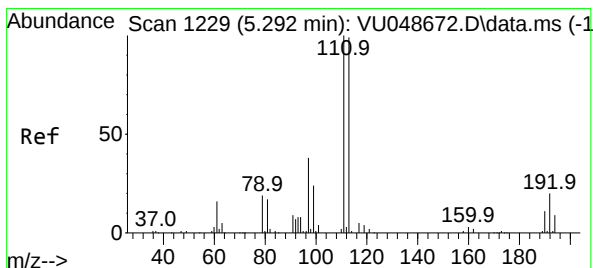
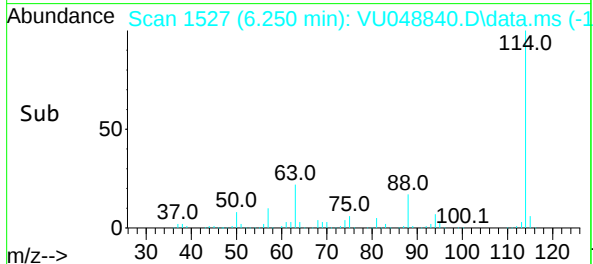
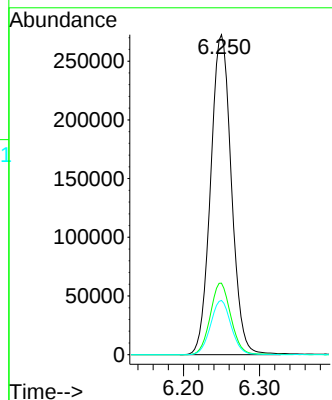
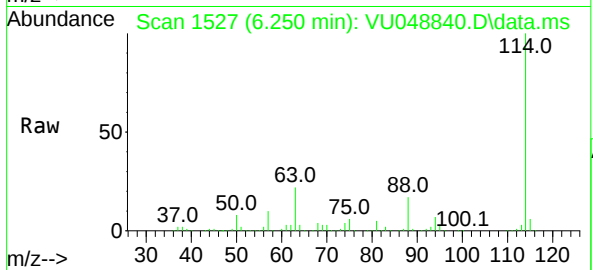
Tgt Ion:114 Resp: 516438

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.6

88 16.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 45.304 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048840.D

Acq: 03 Jun 2022 06:23

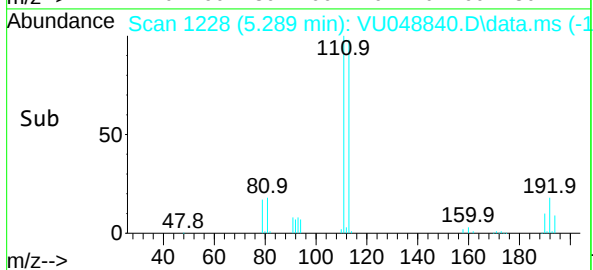
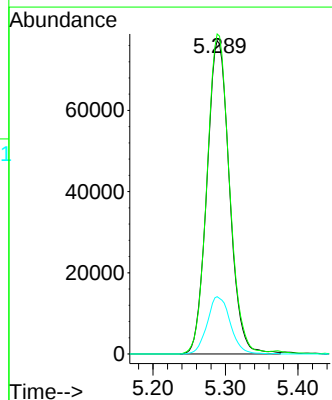
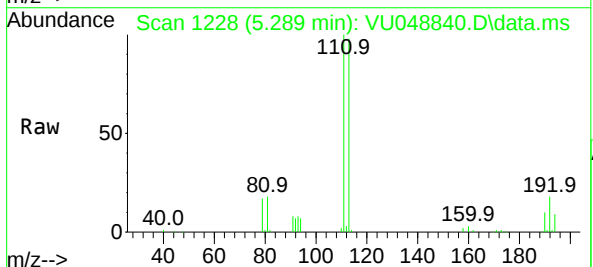
Tgt Ion:113 Resp: 166917

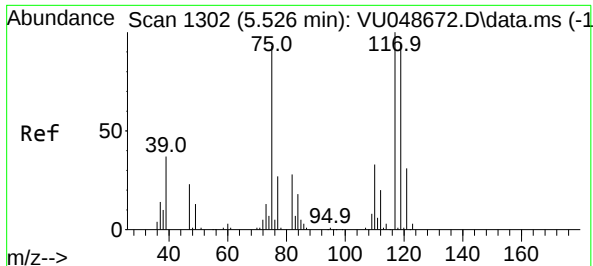
Ion Ratio Lower Upper

113 100

111 101.6 80.7 121.1

192 18.6 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.745 ug/l

RT: 5.375 min Scan# 11

Delta R.T. -0.151 min

Lab File: VU048840.D

Acq: 03 Jun 2022 06:23

Instrument :

MSVOA_U

ClientSampleId :

52BR-20220531

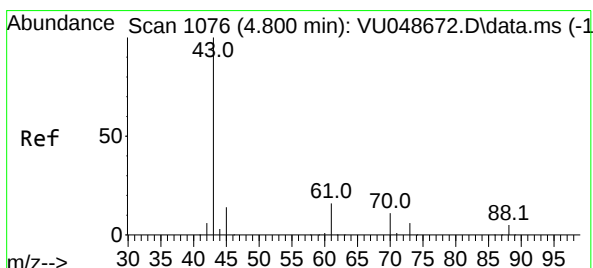
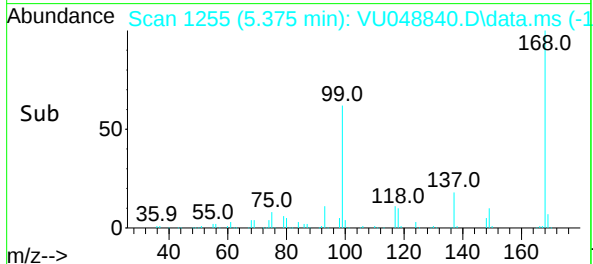
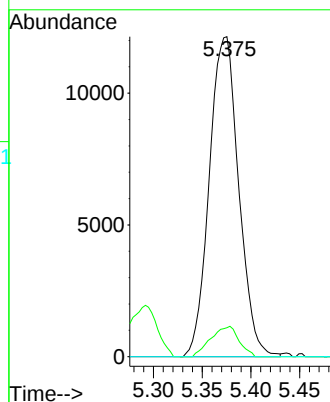
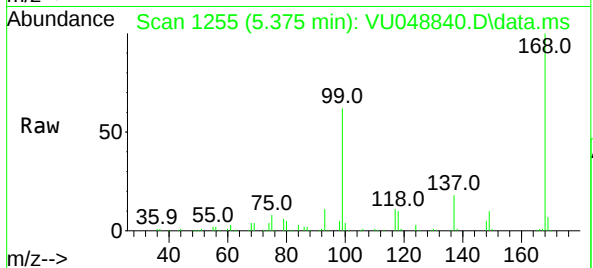
Tgt Ion: 75 Resp: 25514

Ion Ratio Lower Upper

75 100

110 9.1 17.4 52.3#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 0.473 ug/l

RT: 4.816 min Scan# 1081

Delta R.T. 0.016 min

Lab File: VU048840.D

Acq: 03 Jun 2022 06:23

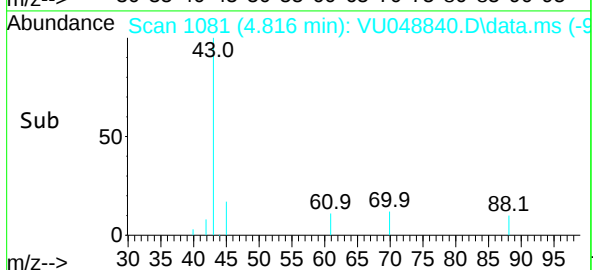
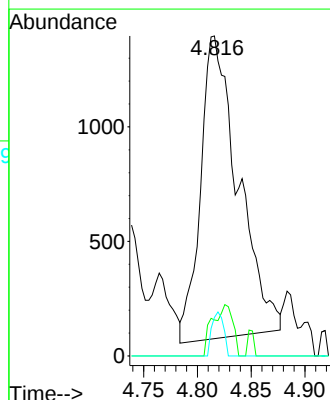
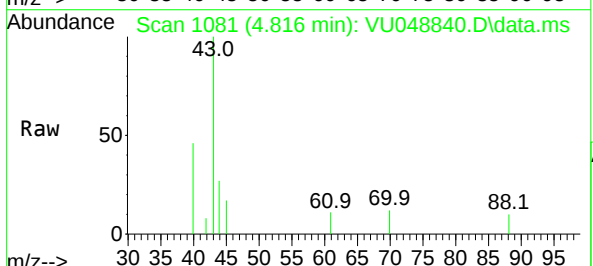
Tgt Ion: 43 Resp: 3217

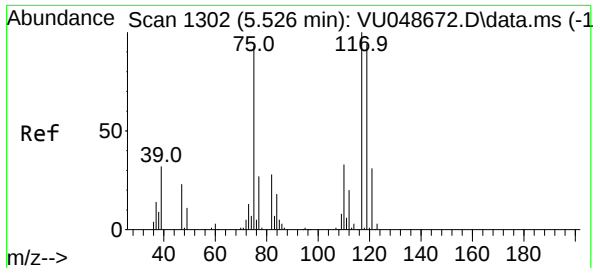
Ion Ratio Lower Upper

43 100

61 9.1 11.7 17.5#

70 4.5 8.4 12.6#

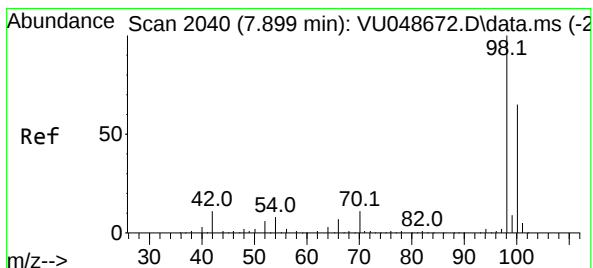
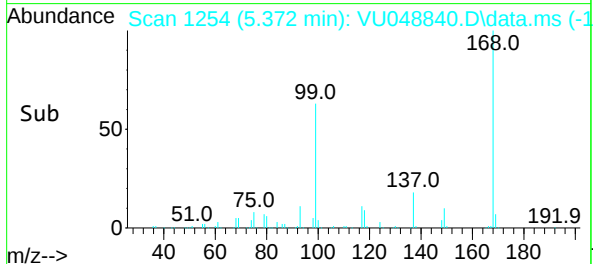
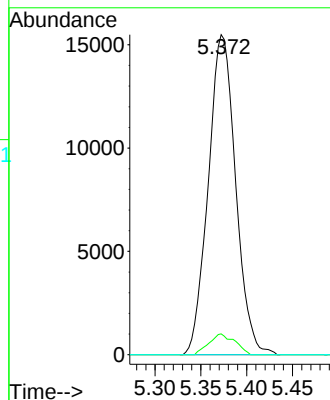
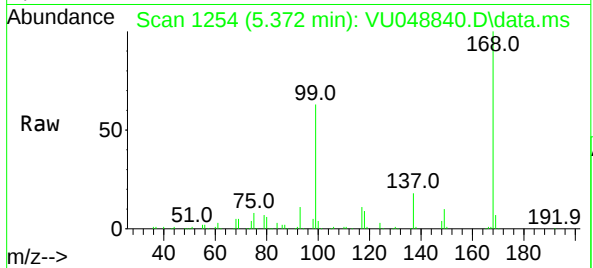




#38
Carbon Tetrachloride
Concen: 5.219 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

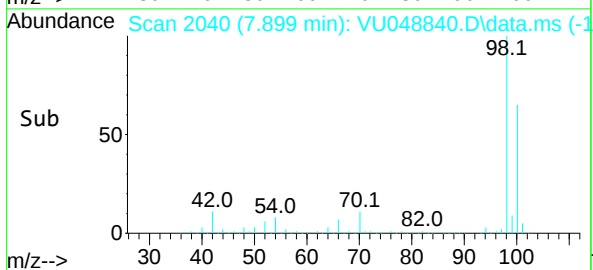
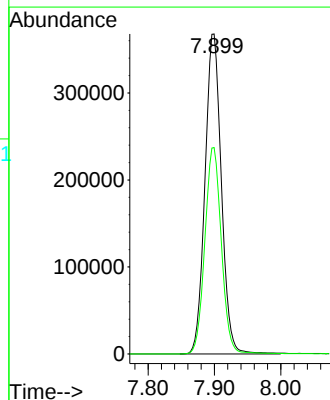
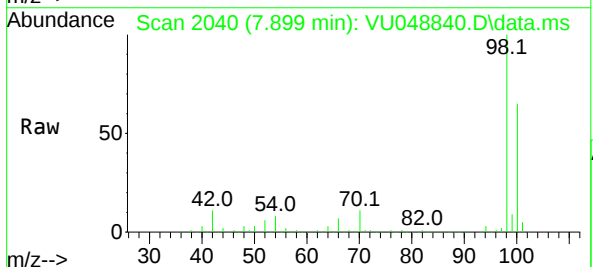
Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531

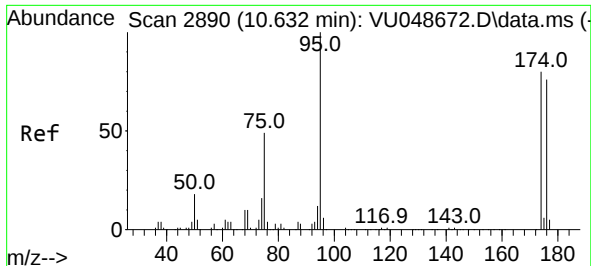
Tgt Ion:117 Resp: 32197
Ion Ratio Lower Upper
117 100
119 6.5 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 47.800 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

Tgt Ion: 98 Resp: 631299
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4

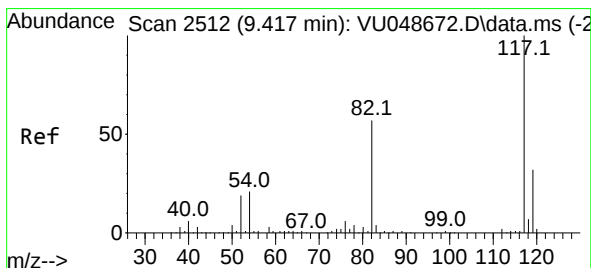
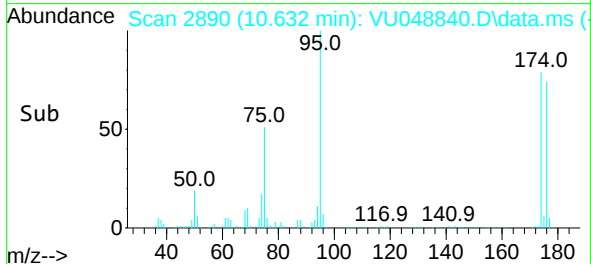
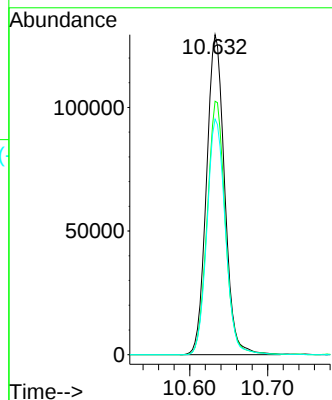
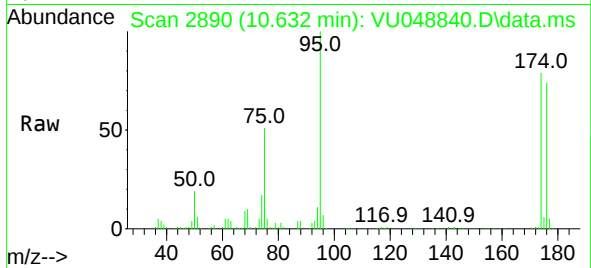




#62
4-Bromofluorobenzene
Concen: 41.808 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

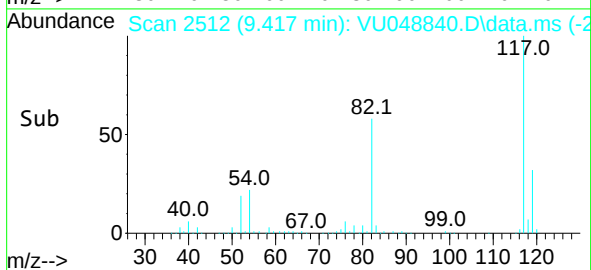
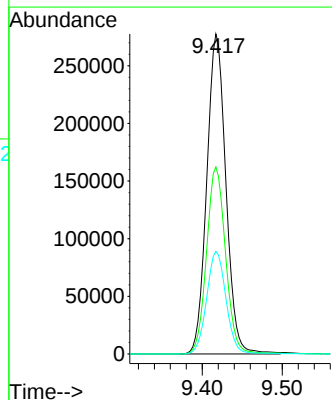
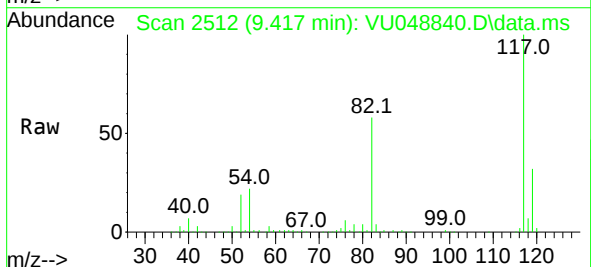
Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531

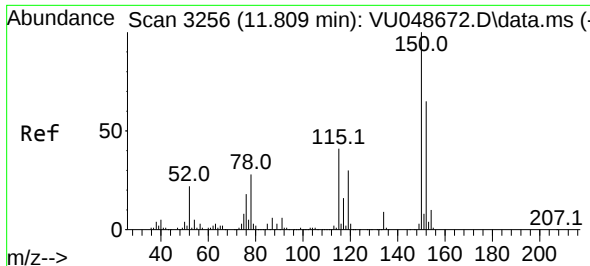
Tgt Ion: 95 Resp: 208824
Ion Ratio Lower Upper
95 100
174 79.0 0.0 159.4
176 74.7 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

Tgt Ion: 117 Resp: 462713
Ion Ratio Lower Upper
117 100
82 58.4 45.3 67.9
119 32.0 25.4 38.2

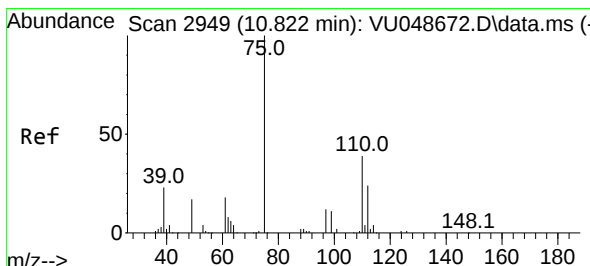
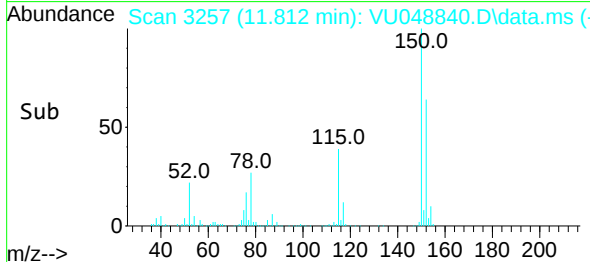
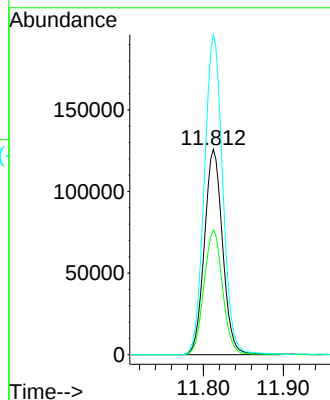
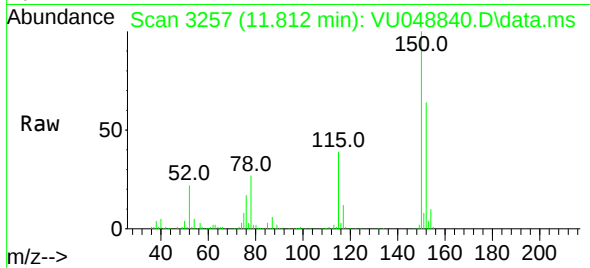




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU048840.D
 Acq: 03 Jun 2022 06:23

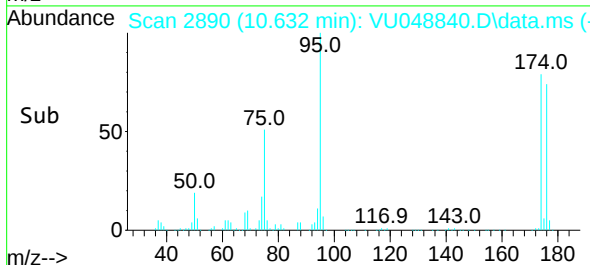
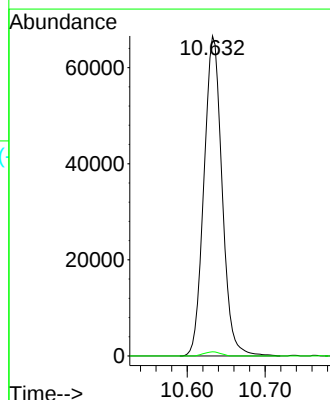
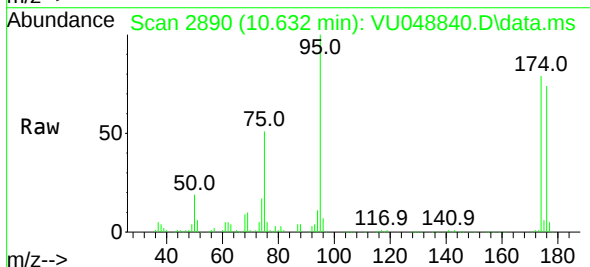
Instrument :
 MSVOA_U
 ClientSampleId :
 52BR-20220531

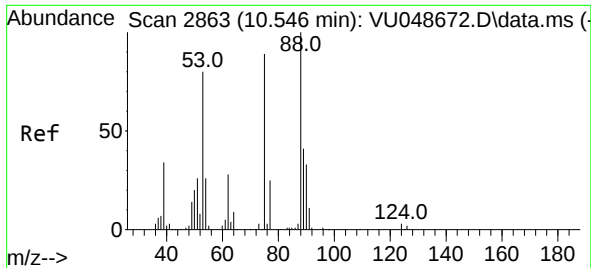
Tgt Ion:152 Resp: 199811
 Ion Ratio Lower Upper
 152 100
 115 61.8 41.8 125.4
 150 157.0 0.0 341.0



#76
 1,2,3-Trichloropropane
 Concen: 16.705 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.190 min
 Lab File: VU048840.D
 Acq: 03 Jun 2022 06:23

Tgt Ion: 75 Resp: 107617
 Ion Ratio Lower Upper
 75 100
 77 1.2 14.8 44.3#

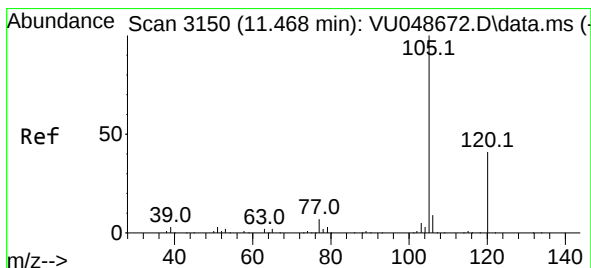
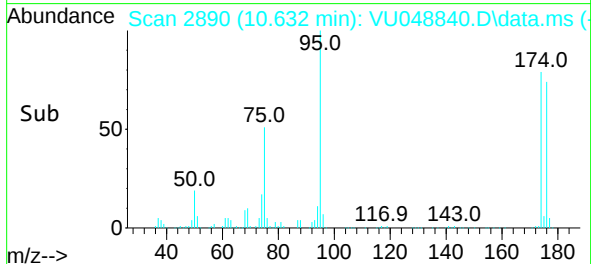
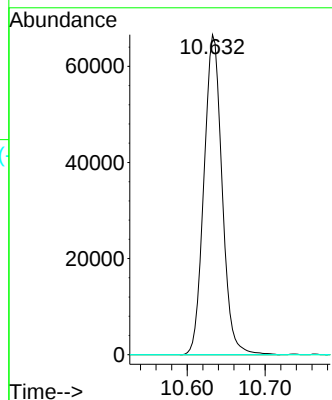
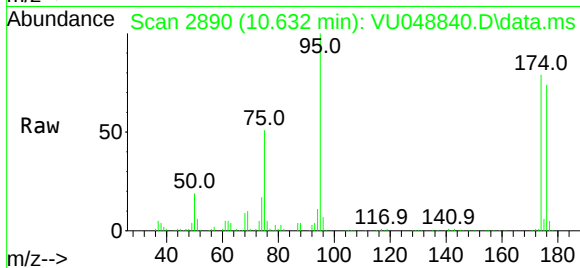




#81
trans-1,4-Dichloro-2-butene
Concen: 60.652 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

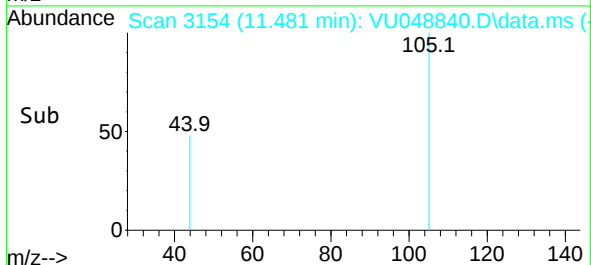
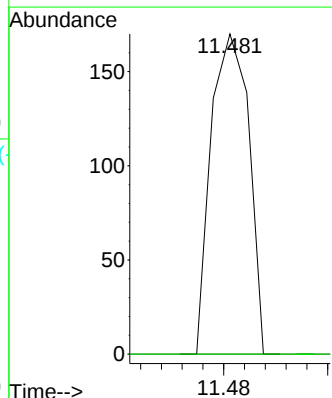
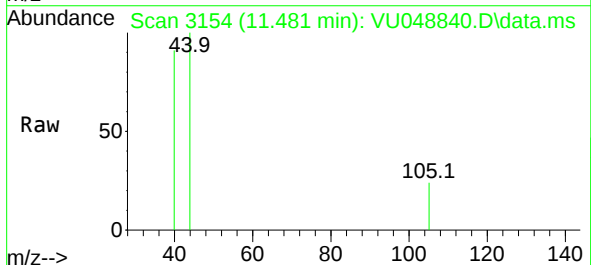
Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531

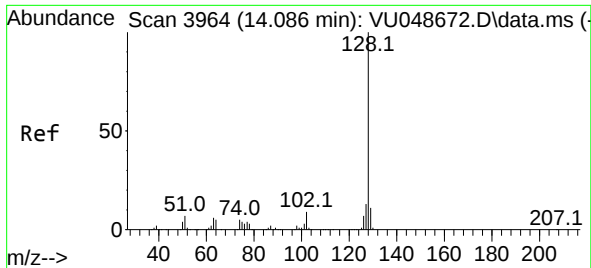
Tgt Ion: 75 Resp: 107617
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.194 ug/l
RT: 11.481 min Scan# 3154
Delta R.T. 0.013 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

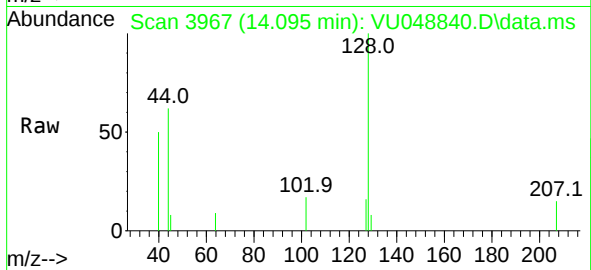
Tgt Ion: 105 Resp: 86
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#





#95
Naphthalene
Concen: 2.698 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.009 min
Lab File: VU048840.D
Acq: 03 Jun 2022 06:23

Instrument :
MSVOA_U
ClientSampleId :
52BR-20220531



Tgt Ion:128 Resp: 2747
Ion Ratio Lower Upper
128 100
127 15.3 10.2 15.4
129 3.9 8.7 13.1#

