

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060622\
 Data File : VU048883.D
 Acq On : 06 Jun 2022 15:31
 Operator : SY/MD
 Sample : N3165-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 64BR-20220531

Quant Time: Jun 07 05:17:00 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)

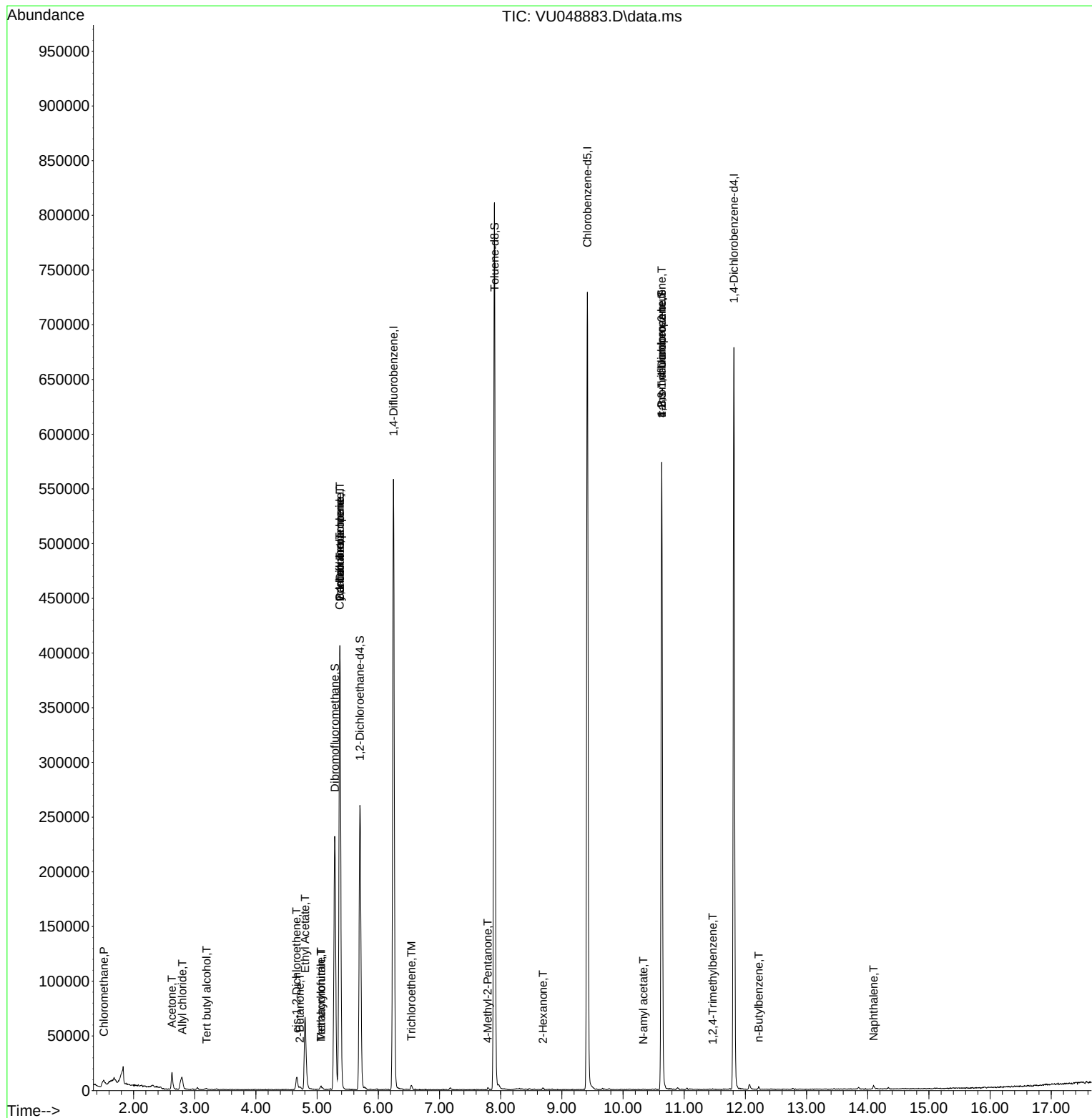
Internal Standards						
1) Pentafluorobenzene	5.372	168	270772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	445016	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	397690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	183808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	198940	48.922	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.840%
35) Dibromofluoromethane	5.289	113	150416	47.377	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.760%
50) Toluene-d8	7.899	98	537592	47.237	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.480%
62) 4-Bromofluorobenzene	10.632	95	190359	44.228	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.460%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1476	0.370	ug/l #	88
5) Bromomethane	1.835	94	610	Below Cal		92
6) Chloroethane	1.954	64	405	Below Cal	#	85
11) Tert butyl alcohol	3.195	59	1104	1.071	ug/l #	28
13) Acrolein	2.491	56	45	Below Cal	#	14
14) Allyl chloride	2.797	41	1100	0.206	ug/l #	26
16) Acetone	2.626	43	17100	8.251	ug/l	100
25) 2-Butanone	4.716	43	3887	1.306	ug/l #	89
27) cis-1,2-Dichloroethene	4.665	96	6382	1.749	ug/l	85
29) Tetrahydrofuran	5.067	42	1751	0.934	ug/l #	88
31) Cyclohexane	5.369	56	6159	1.202	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	22968	4.957	ug/l #	49
37) Ethyl Acetate	4.803	43	87260	14.896	ug/l	98
38) Carbon Tetrachloride	5.372	117	28162	5.298	ug/l #	17
41) Methacrylonitrile	5.063	41	962	0.325	ug/l #	41
44) Trichloroethene	6.539	130	1268	0.360	ug/l	87
51) 4-Methyl-2-Pentanone	7.790	43	1539	0.279	ug/l #	72
59) 2-Hexanone	8.690	43	1328	0.293	ug/l	92
64) Tetrachloroethene	8.552	164	19	Below Cal	#	1
74) N-amyl acetate	10.330	43	139	2.489	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	98301	16.587	ug/l #	48
81) trans-1,4-Dichloro-2-b...	10.632	75	98301	60.225	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	405	1.222	ug/l	91
89) n-Butylbenzene	12.218	91	708	2.249	ug/l #	73
95) Naphthalene	14.095	128	4039	2.798	ug/l #	86

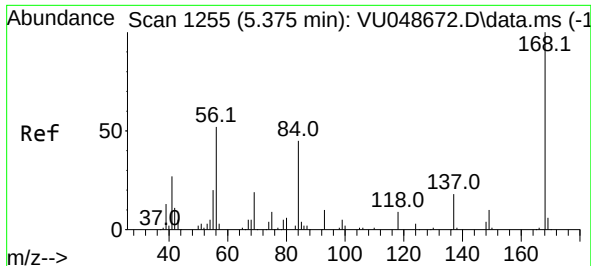
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060622\
Data File : VU048883.D
Acq On : 06 Jun 2022 15:31
Operator : SY/MD
Sample : N3165-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

Quant Time: Jun 07 05:17:00 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

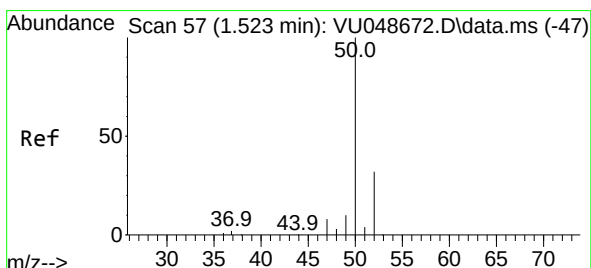
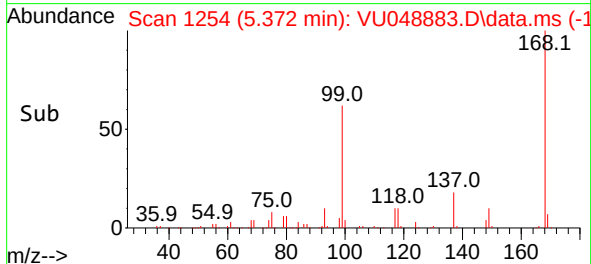
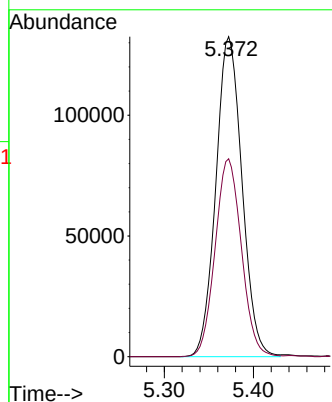
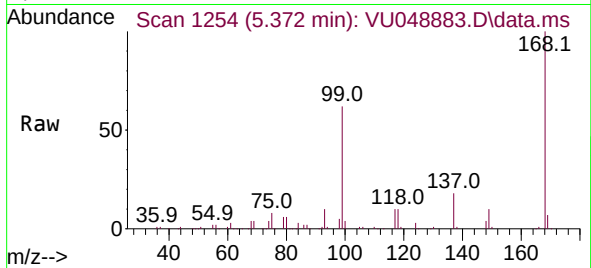




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

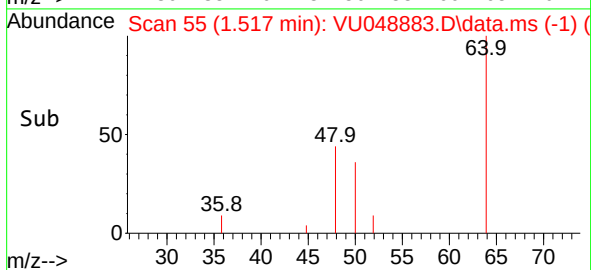
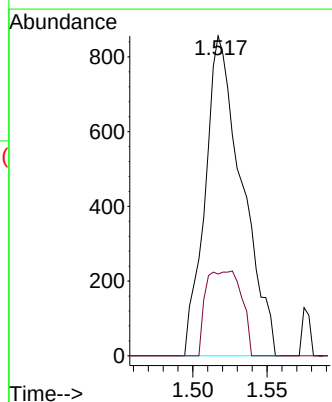
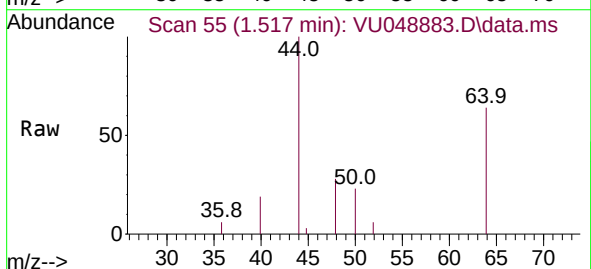
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

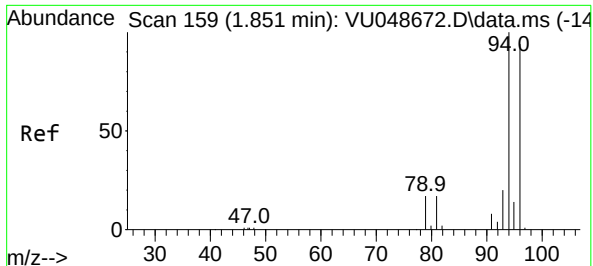
Tgt Ion:168 Resp: 270772
Ion Ratio Lower Upper
168 100
99 61.8 49.3 73.9



#3
Chloromethane
Concen: 0.370 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.006 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

Tgt Ion: 50 Resp: 1476
Ion Ratio Lower Upper
50 100
52 25.6 25.7 38.5#

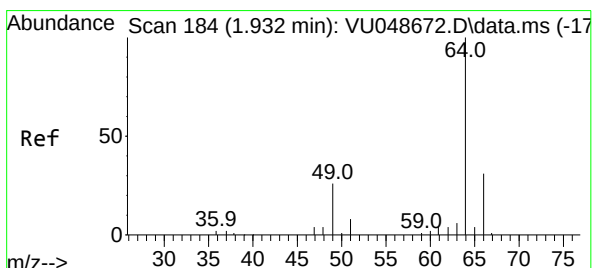
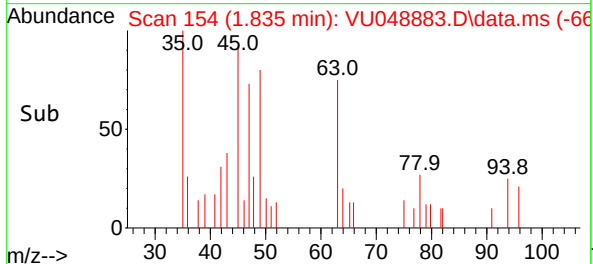
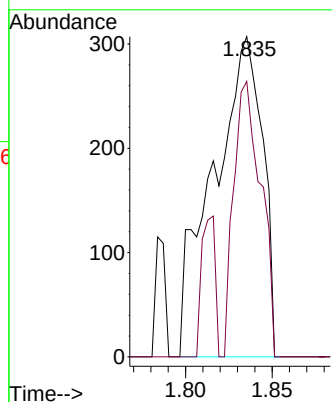
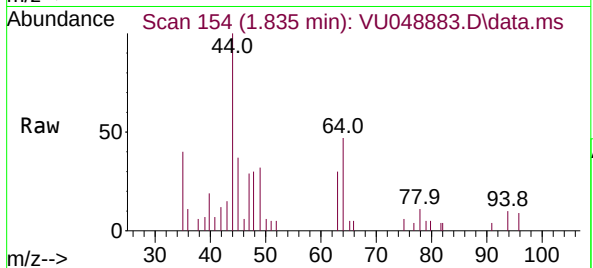




#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

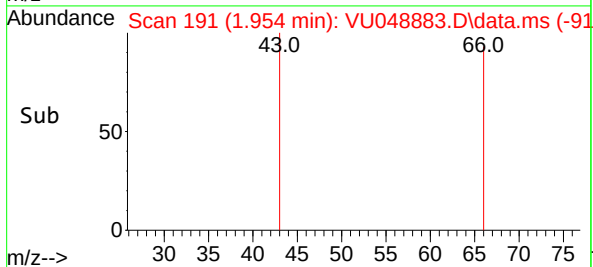
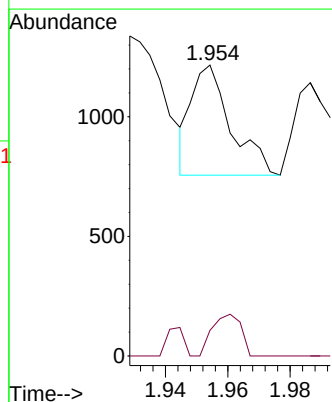
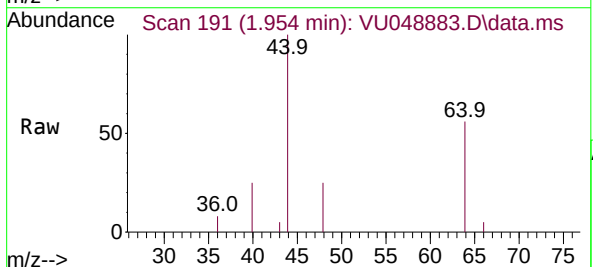
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

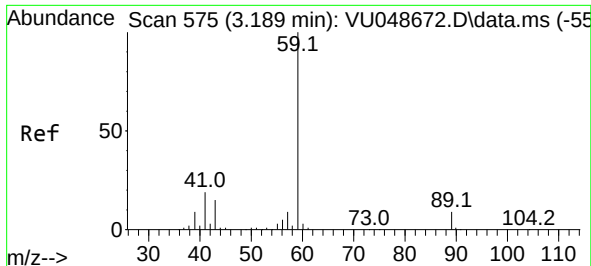
Tgt Ion: 94 Resp: 610
Ion Ratio Lower Upper
94 100
96 86.0 75.1 112.7



#6
Chloroethane
Concen: Below Cal
RT: 1.954 min Scan# 191
Delta R.T. 0.022 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

Tgt Ion: 64 Resp: 405
Ion Ratio Lower Upper
64 100
66 23.3 25.2 37.8#





#11

Tert butyl alcohol

Concen: 1.071 ug/l

RT: 3.195 min Scan# 51

Delta R.T. 0.006 min

Lab File: VU048883.D

Acq: 06 Jun 2022 15:31

Instrument :

MSVOA_U

ClientSampleId :

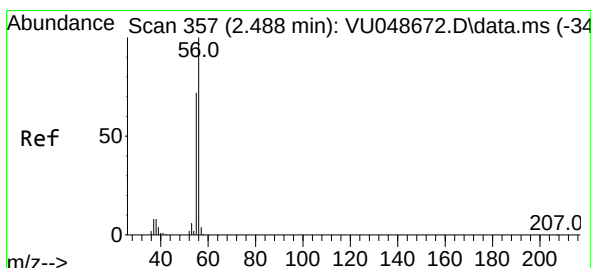
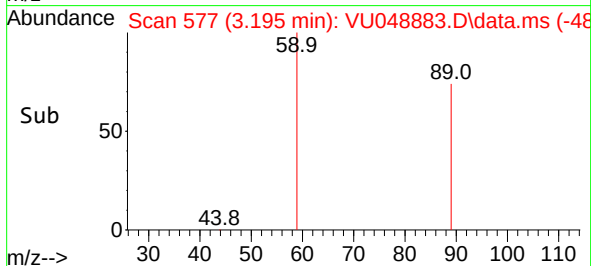
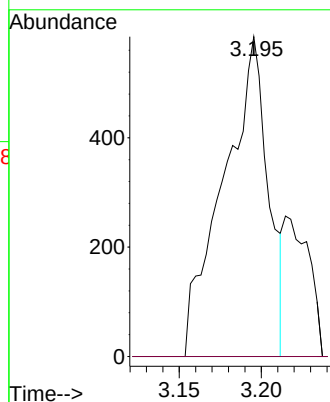
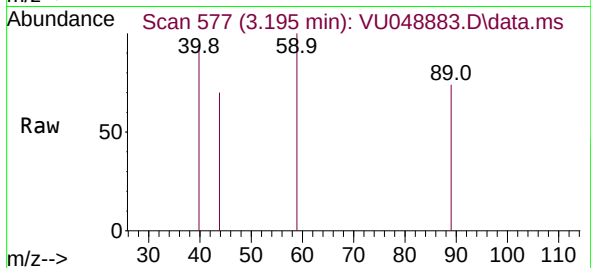
64BR-20220531

Tgt Ion: 59 Resp: 1104

Ion Ratio Lower Upper

59 100

57 0.0 39.7 59.5#



#13

Acrolein

Concen: Below Cal

RT: 2.491 min Scan# 358

Delta R.T. 0.003 min

Lab File: VU048883.D

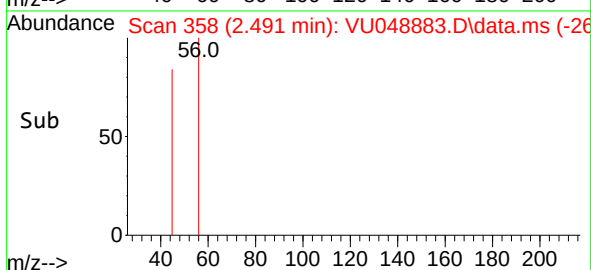
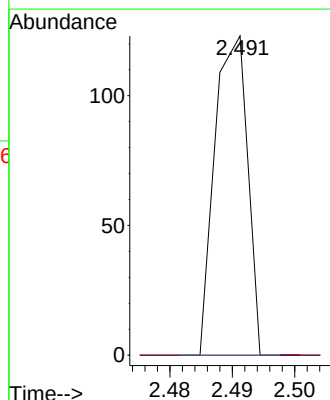
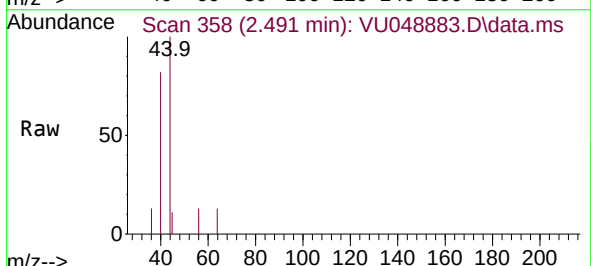
Acq: 06 Jun 2022 15:31

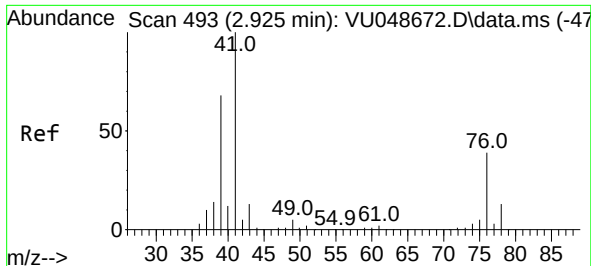
Tgt Ion: 56 Resp: 45

Ion Ratio Lower Upper

56 100

55 0.0 57.7 86.5#

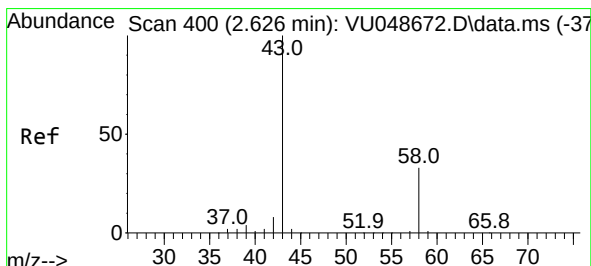
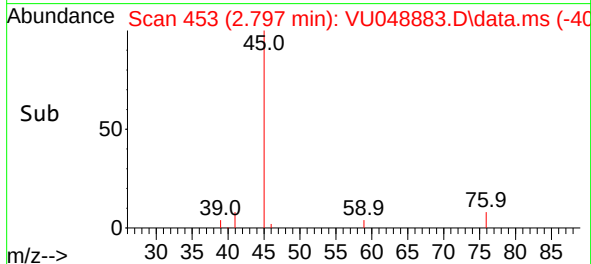
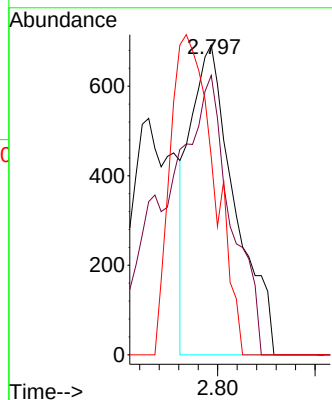
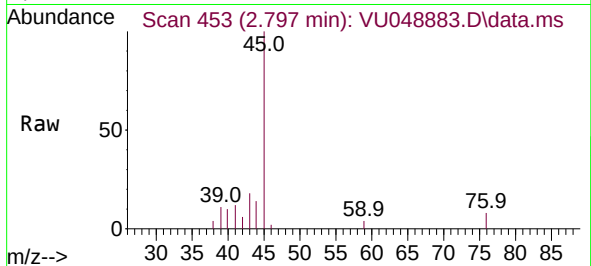




#14
 Allyl chloride
 Concen: 0.206 ug/l
 RT: 2.797 min Scan# 41
 Delta R.T. -0.129 min
 Lab File: VU048883.D
 Acq: 06 Jun 2022 15:31

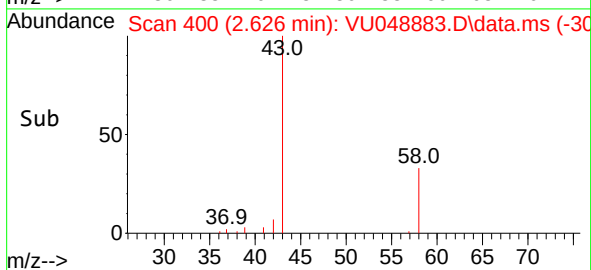
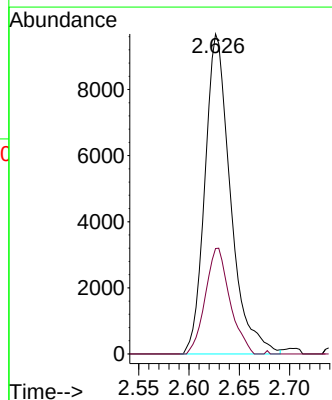
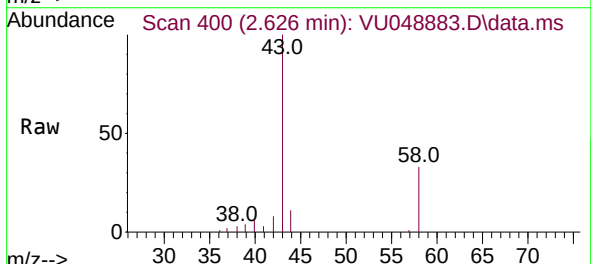
Instrument :
 MSVOA_U
 ClientSampleId :
 64BR-20220531

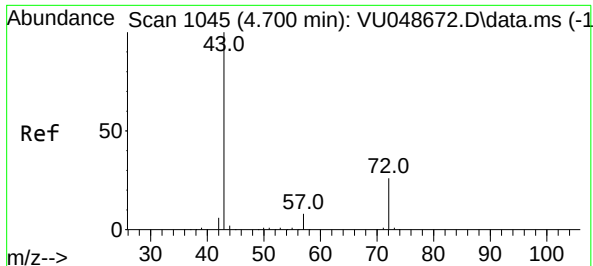
Tgt Ion: 41 Resp: 1100
 Ion Ratio Lower Upper
 41 100
 39 97.8 48.6 72.8#
 76 101.5 27.0 40.4#



#16
 Acetone
 Concen: 8.251 ug/l
 RT: 2.626 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU048883.D
 Acq: 06 Jun 2022 15:31

Tgt Ion: 43 Resp: 17100
 Ion Ratio Lower Upper
 43 100
 58 33.0 26.3 39.5





#25

2-Butanone

Concen: 1.306 ug/l

RT: 4.716 min Scan# 1050

Delta R.T. 0.016 min

Lab File: VU048883.D

Acq: 06 Jun 2022 15:31

Instrument :

MSVOA_U

ClientSampleId :

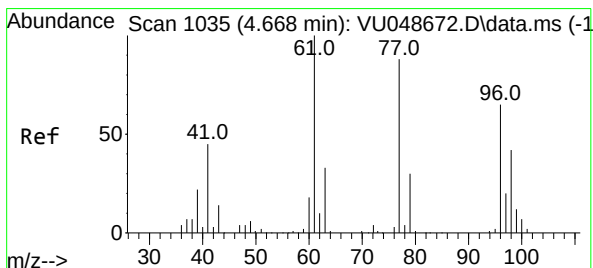
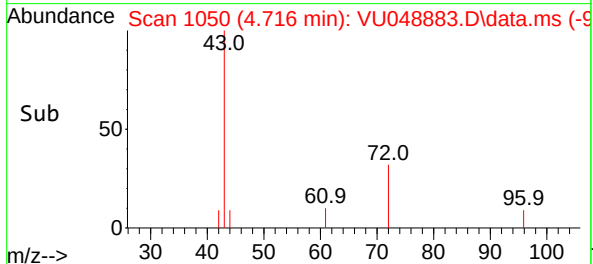
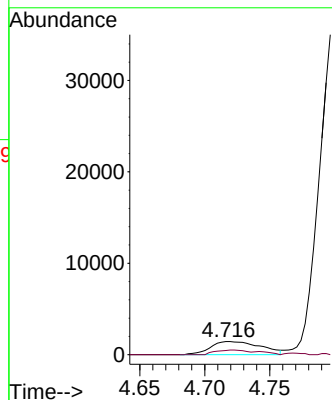
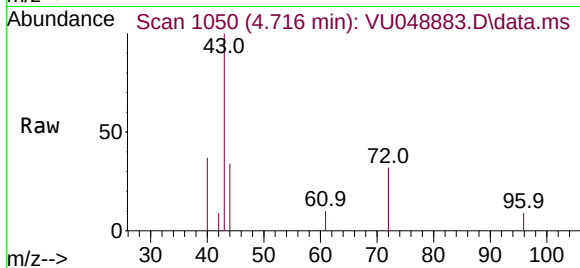
64BR-20220531

Tgt Ion: 43 Resp: 3887

Ion Ratio Lower Upper

43 100

72 32.1 21.1 31.7#



#27

cis-1,2-Dichloroethene

Concen: 1.749 ug/l

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU048883.D

Acq: 06 Jun 2022 15:31

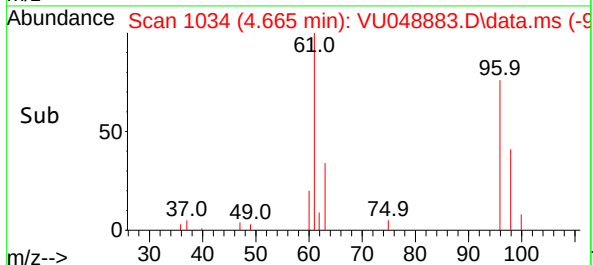
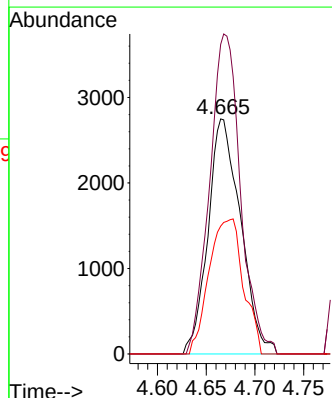
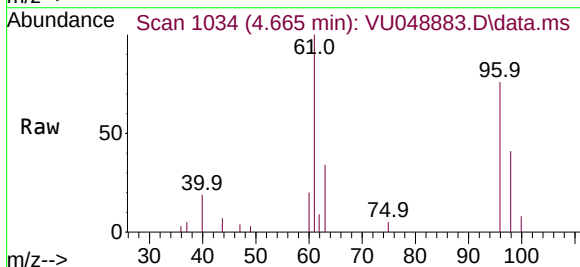
Tgt Ion: 96 Resp: 6382

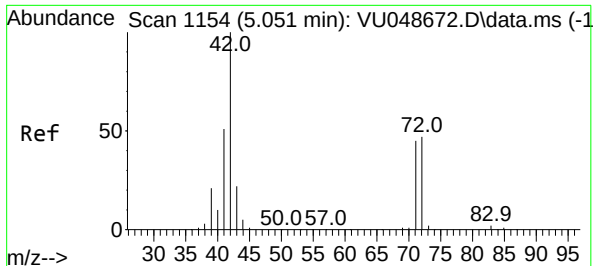
Ion Ratio Lower Upper

96 100

61 129.2 0.0 306.2

98 60.5 0.0 130.4





#29

Tetrahydrofuran

Concen: 0.934 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.016 min

Lab File: VU048883.D

Acq: 06 Jun 2022 15:31

Instrument :

MSVOA_U

ClientSampleId :

64BR-20220531

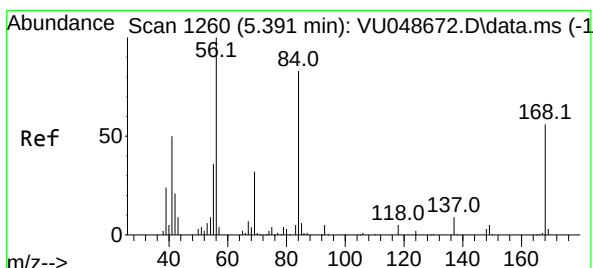
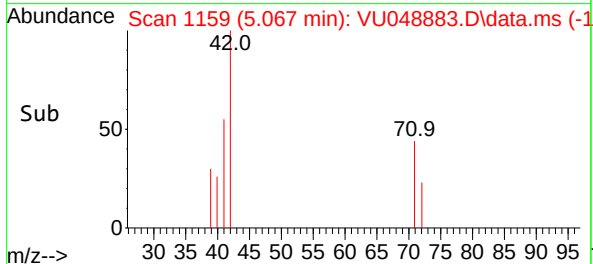
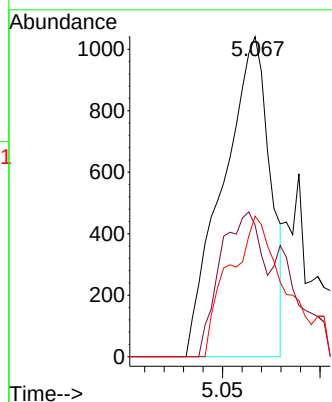
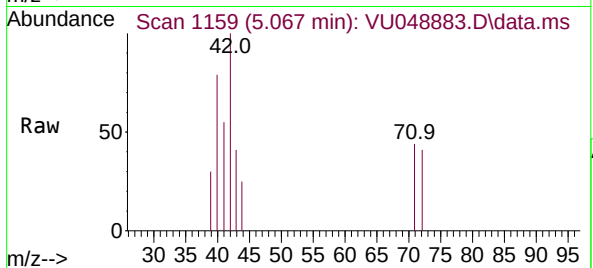
Tgt Ion: 42 Resp: 1751

Ion Ratio Lower Upper

42 100

72 40.5 37.6 56.4

71 53.2 35.0 52.4#



#31

Cyclohexane

Concen: 1.202 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.022 min

Lab File: VU048883.D

Acq: 06 Jun 2022 15:31

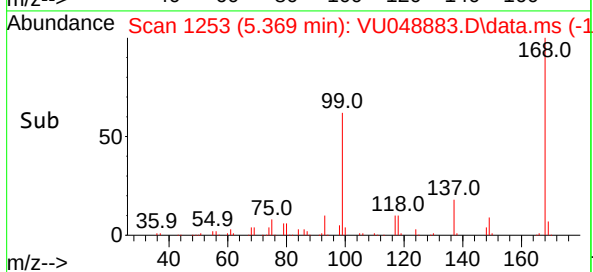
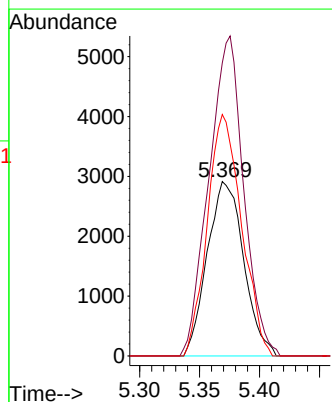
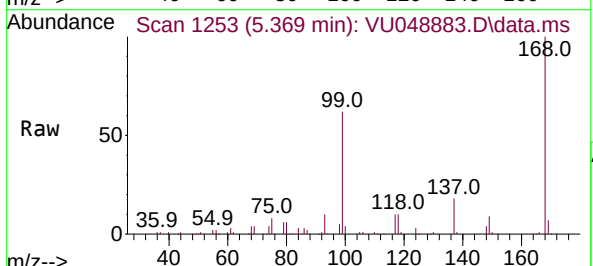
Tgt Ion: 56 Resp: 6159

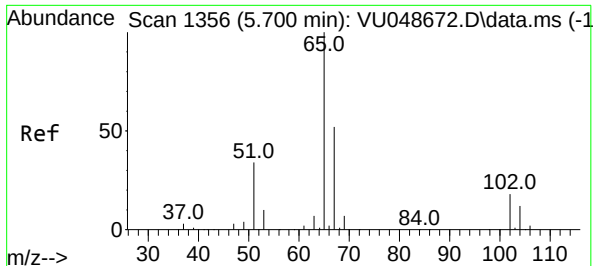
Ion Ratio Lower Upper

56 100

69 168.0 25.6 38.4#

84 138.4 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 48.922 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048883.D

Acq: 06 Jun 2022 15:31

Instrument :

MSVOA_U

ClientSampleId :

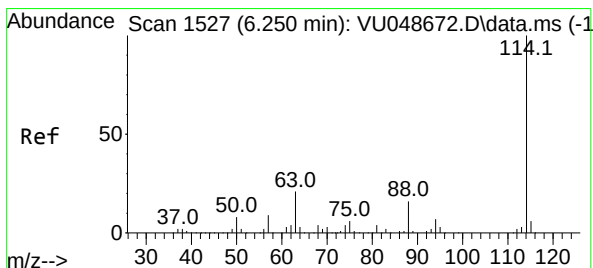
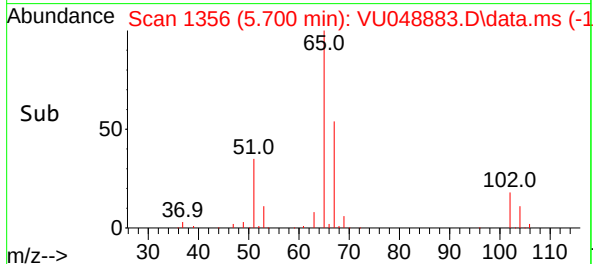
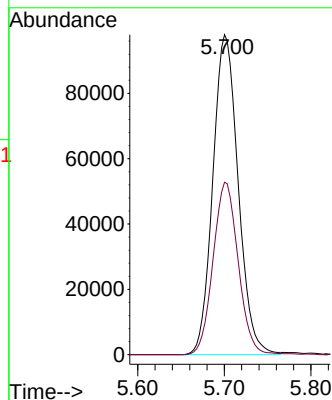
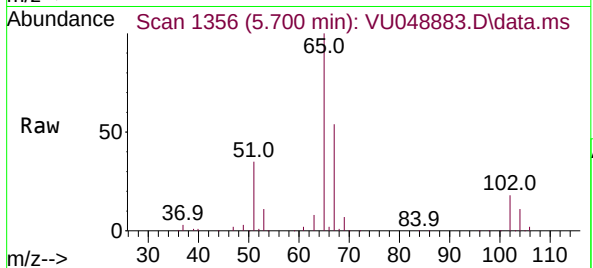
64BR-20220531

Tgt Ion: 65 Resp: 198940

Ion Ratio Lower Upper

65 100

67 53.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048883.D

Acq: 06 Jun 2022 15:31

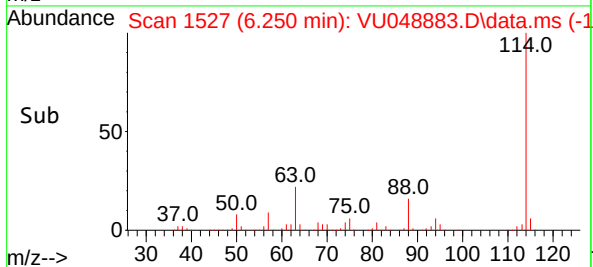
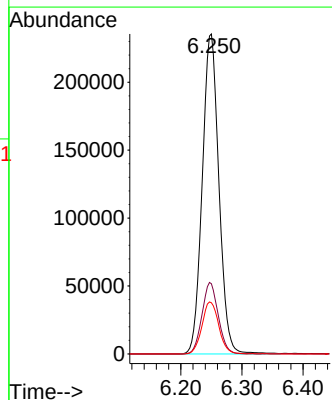
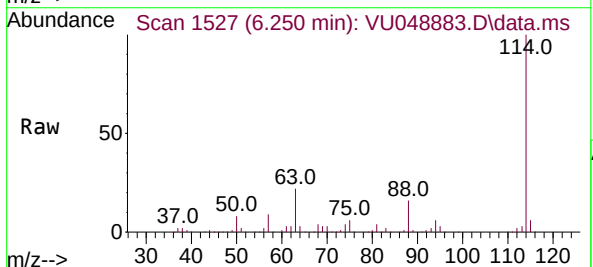
Tgt Ion: 114 Resp: 445016

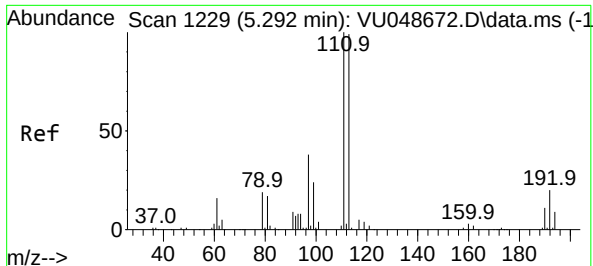
Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.6

88 16.0 0.0 32.2

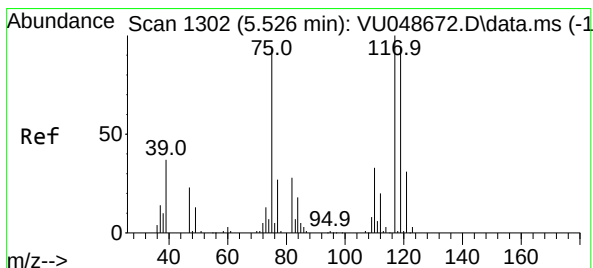
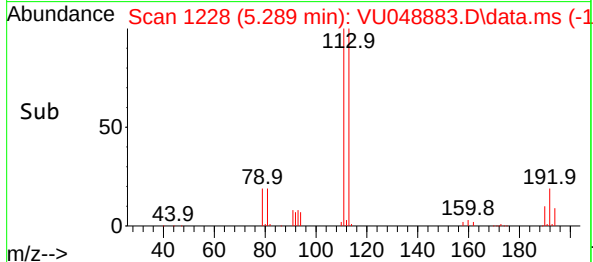
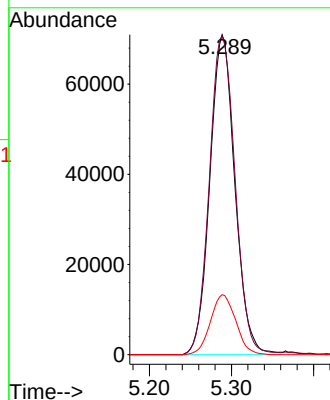
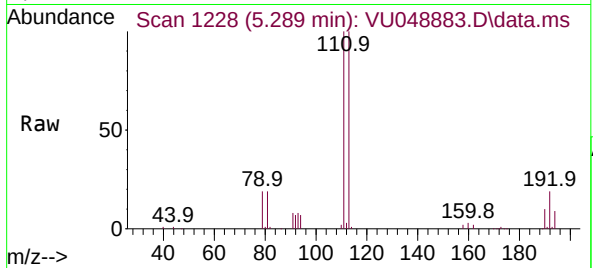




#35
Dibromofluoromethane
Concen: 47.377 ug/l
RT: 5.289 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

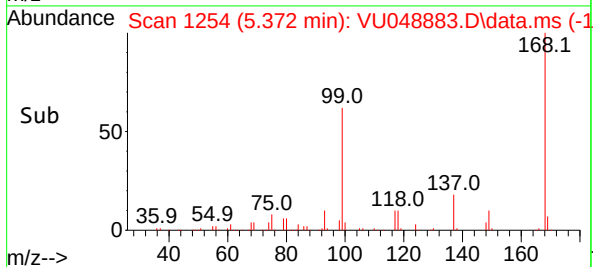
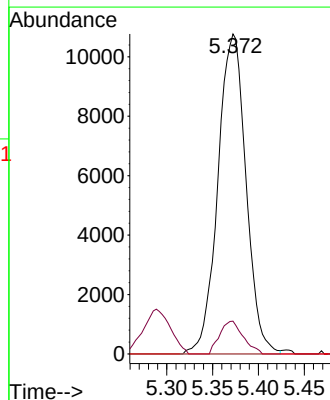
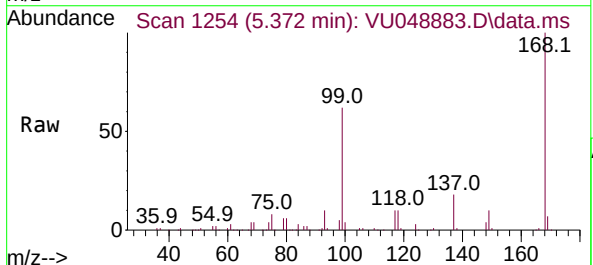
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

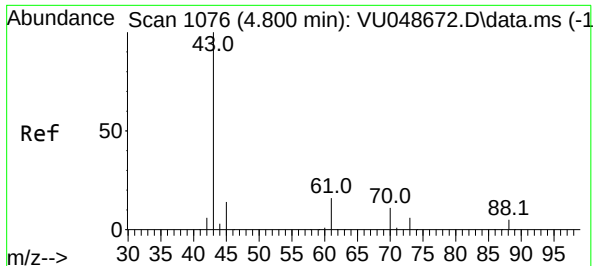
Tgt Ion:113 Resp: 150416
Ion Ratio Lower Upper
113 100
111 102.4 80.7 121.1
192 18.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.957 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

Tgt Ion: 75 Resp: 22968
Ion Ratio Lower Upper
75 100
110 8.5 17.4 52.3#
77 0.0 24.8 37.2#

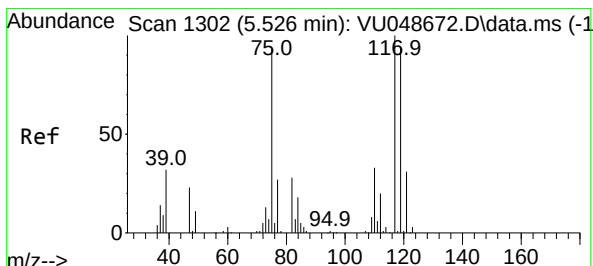
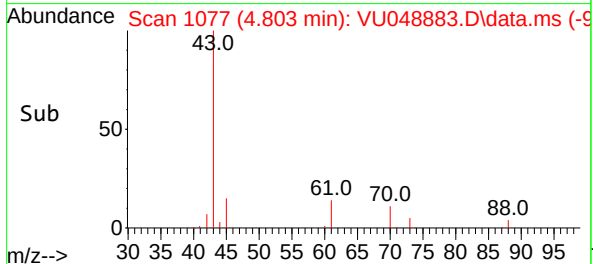
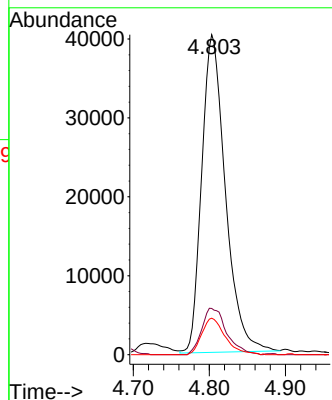
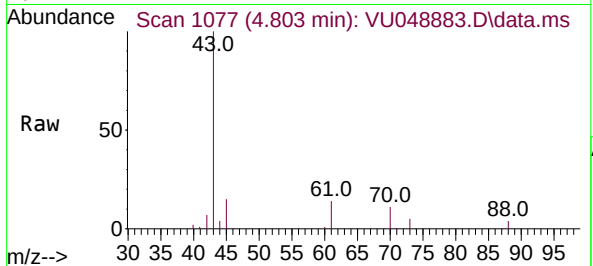




#37
Ethyl Acetate
Concen: 14.896 ug/l
RT: 4.803 min Scan# 1076
Delta R.T. 0.003 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

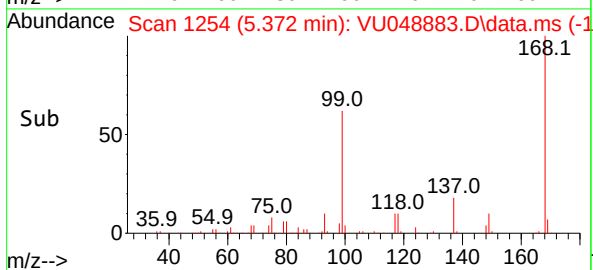
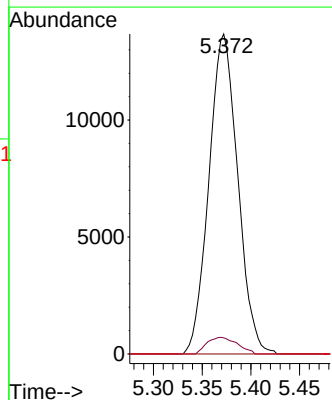
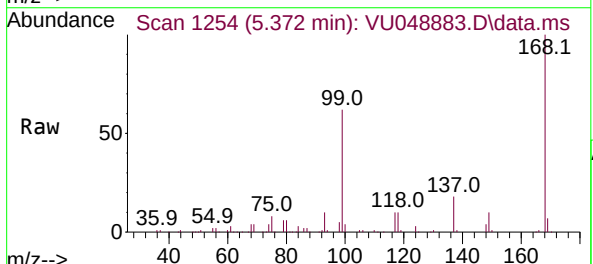
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

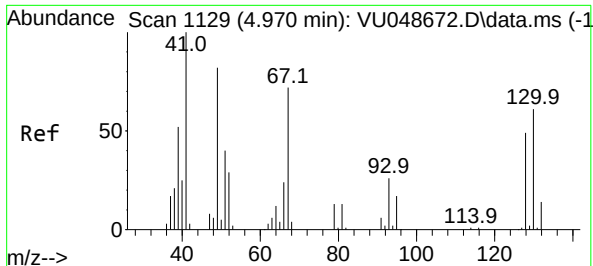
Tgt Ion: 43 Resp: 87260
Ion Ratio Lower Upper
43 100
61 15.3 11.7 17.5
70 11.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 5.298 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

Tgt Ion: 117 Resp: 28162
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.2#
121 0.0 24.6 36.8#

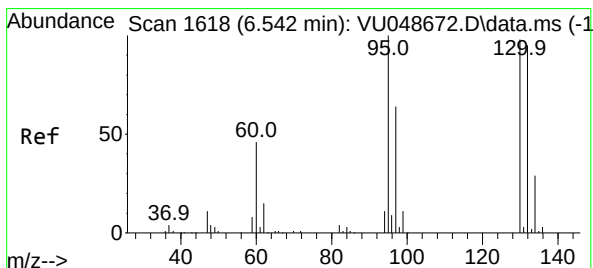
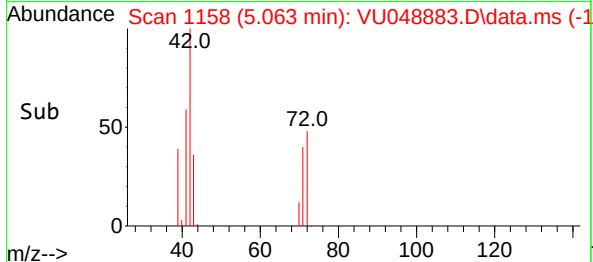
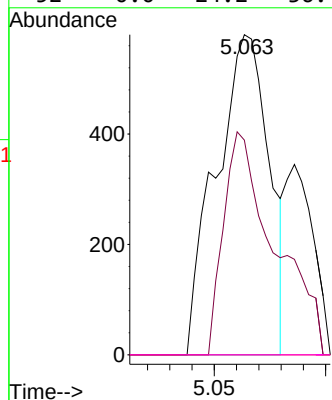
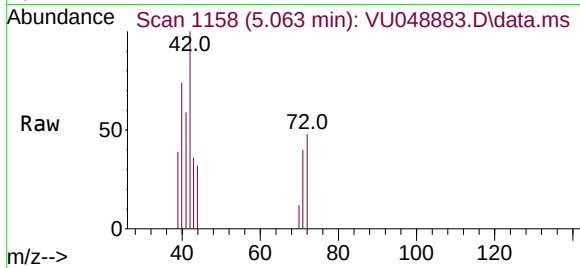




#41
Methacrylonitrile
Concen: 0.325 ug/l
RT: 5.063 min Scan# 1129
Delta R.T. 0.093 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

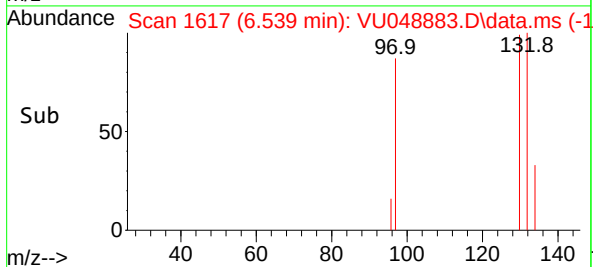
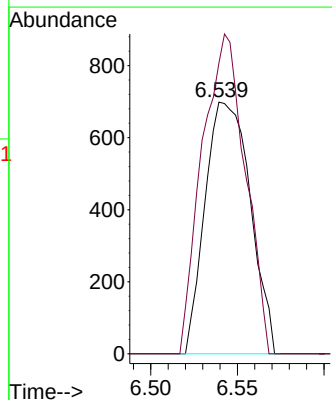
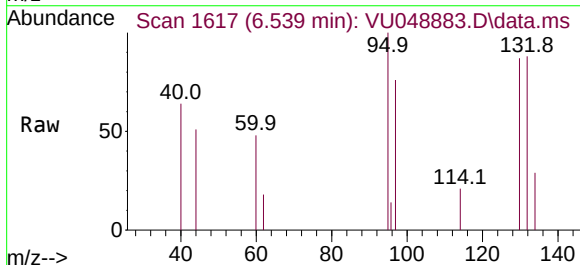
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

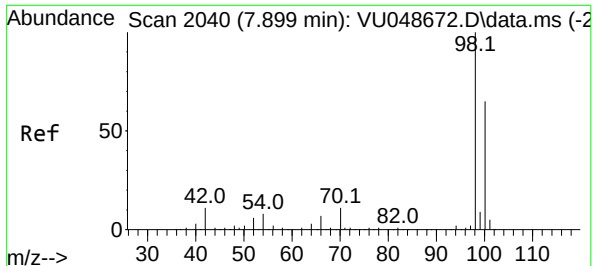
Tgt Ion: 41	Resp: 962
Ion Ratio	Lower Upper
41	100
39	66.9 42.6 64.0#
67	0.0 61.0 91.4#
52	0.0 24.2 36.4#



#44
Trichloroethene
Concen: 0.360 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

Tgt Ion: 130	Resp: 1268
Ion Ratio	Lower Upper
130	100
95	115.5 0.0 204.8





#50

Toluene-d8

Concen: 47.237 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. 0.000 min

Lab File: VU048883.D

Acq: 06 Jun 2022 15:31

Instrument :

MSVOA_U

ClientSampleId :

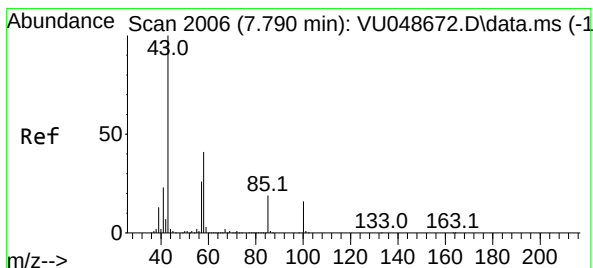
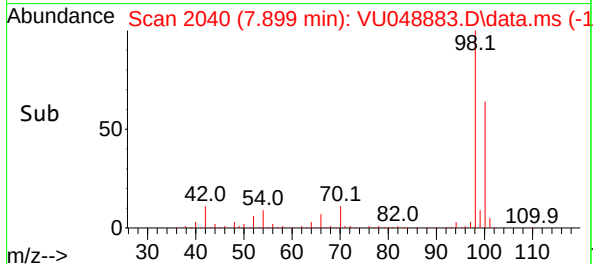
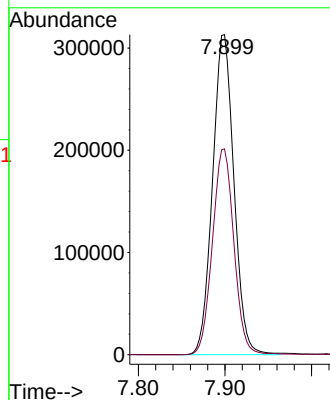
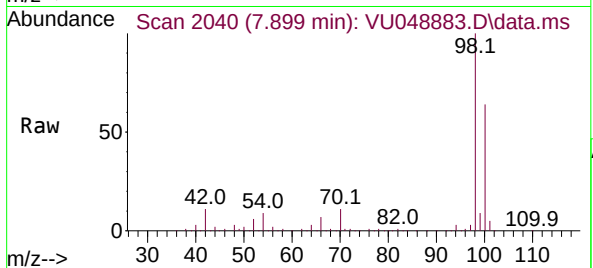
64BR-20220531

Tgt Ion: 98 Resp: 537592

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 0.279 ug/l

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU048883.D

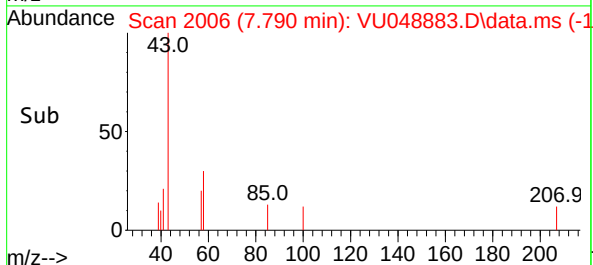
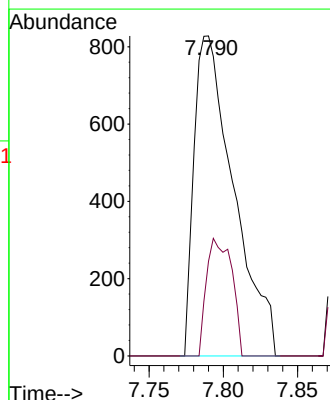
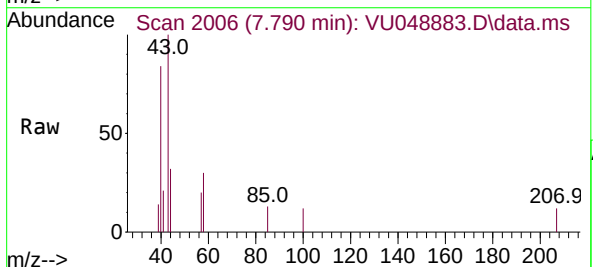
Acq: 06 Jun 2022 15:31

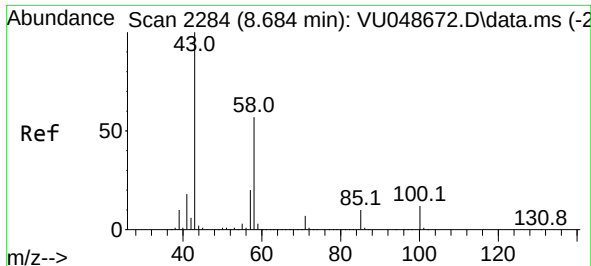
Tgt Ion: 43 Resp: 1539

Ion Ratio Lower Upper

43 100

58 23.4 32.7 49.1#





#59

2-Hexanone

Concen: 0.293 ug/l

RT: 8.690 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU048883.D

Acq: 06 Jun 2022 15:31

Instrument :

MSVOA_U

ClientSampleId :

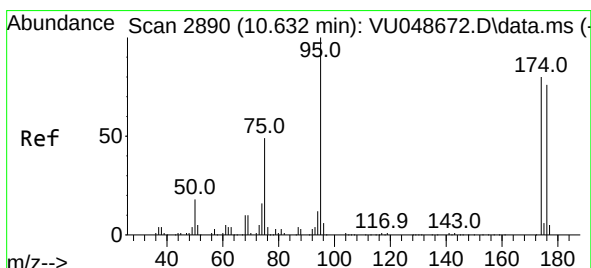
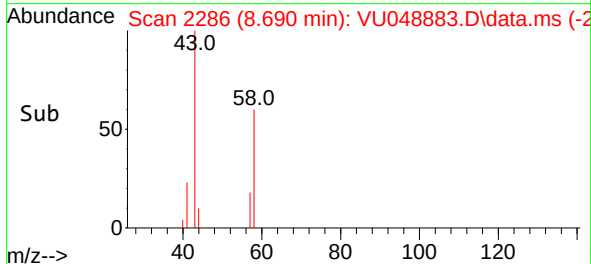
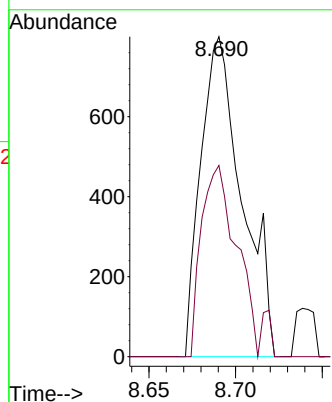
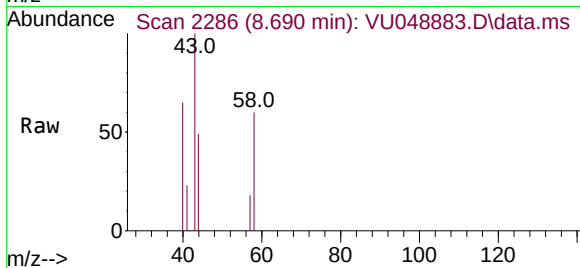
64BR-20220531

Tgt Ion: 43 Resp: 1328

Ion Ratio Lower Upper

43 100

58 50.7 28.2 84.6



#62

4-Bromofluorobenzene

Concen: 44.228 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. 0.000 min

Lab File: VU048883.D

Acq: 06 Jun 2022 15:31

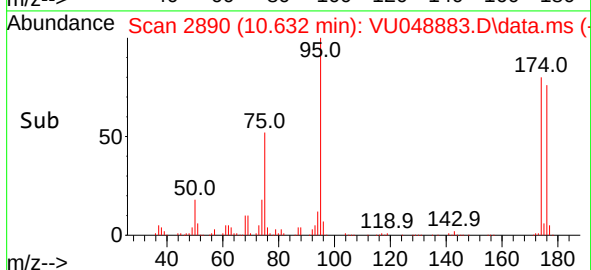
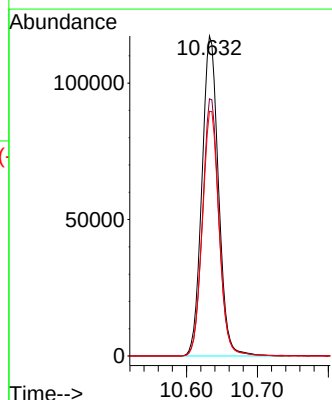
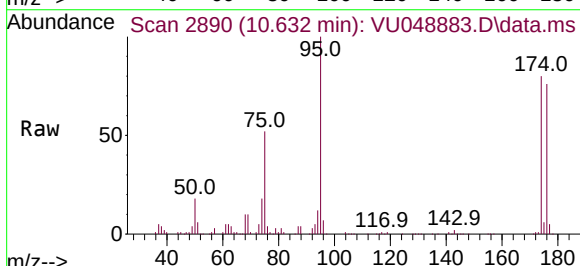
Tgt Ion: 95 Resp: 190359

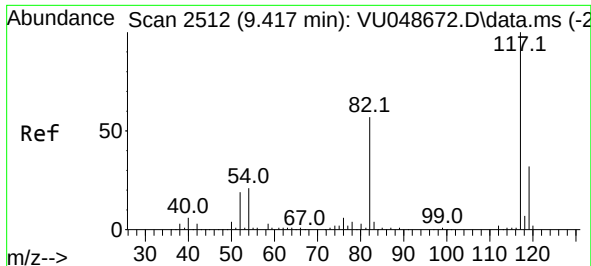
Ion Ratio Lower Upper

95 100

174 79.7 0.0 159.4

176 77.0 0.0 152.4

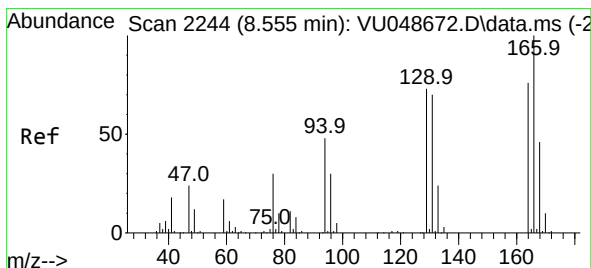
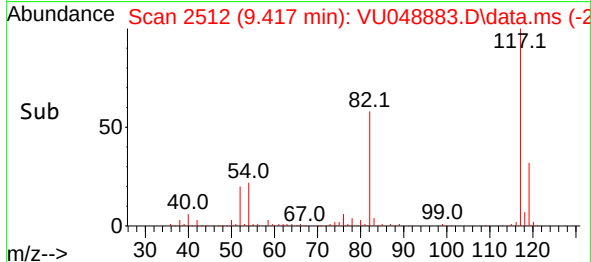
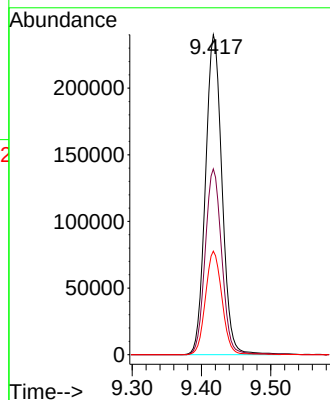
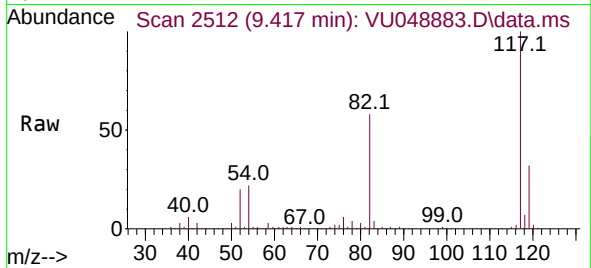




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

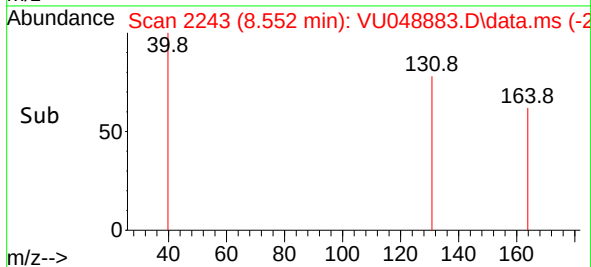
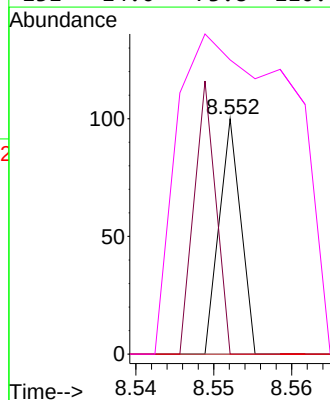
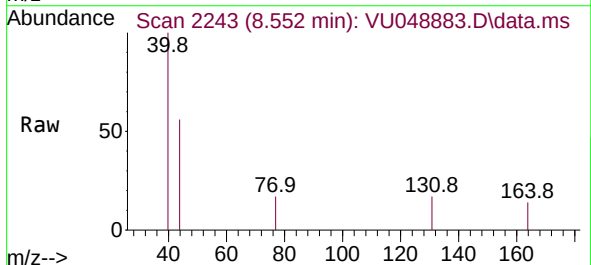
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

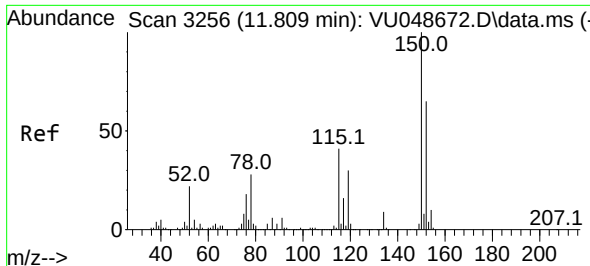
Tgt Ion:117 Resp: 397690
Ion Ratio Lower Upper
117 100
82 58.1 45.3 67.9
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: Below Cal
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

Tgt Ion:164 Resp: 19
Ion Ratio Lower Upper
164 100
166 0.0 105.0 157.4#
129 0.0 76.5 114.7#
131 14.0 73.8 110.6#

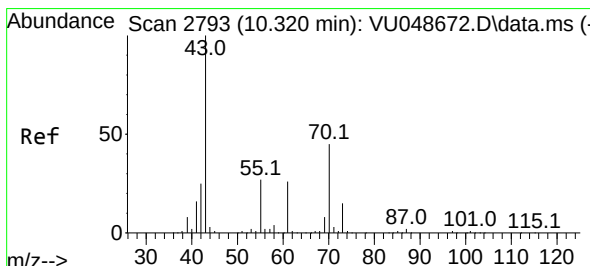
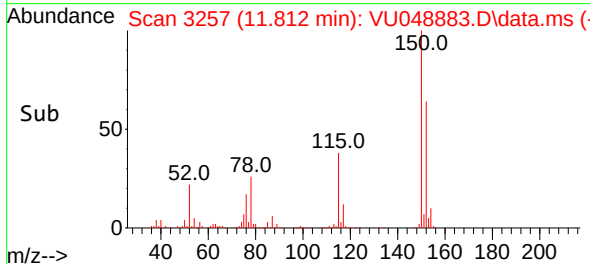
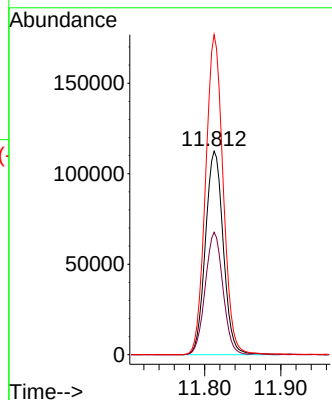
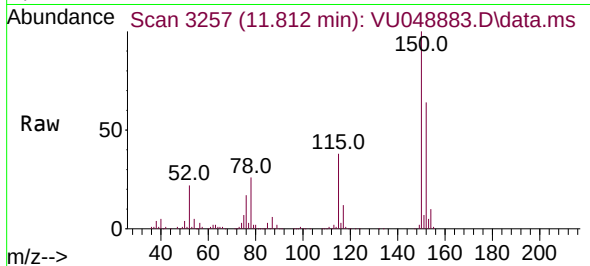




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

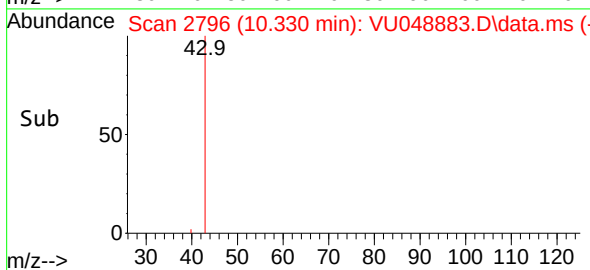
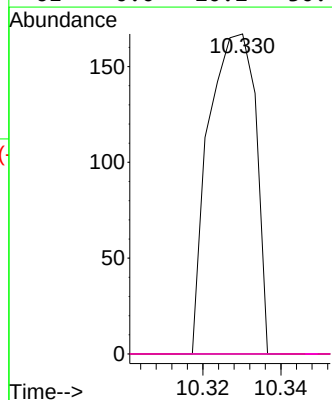
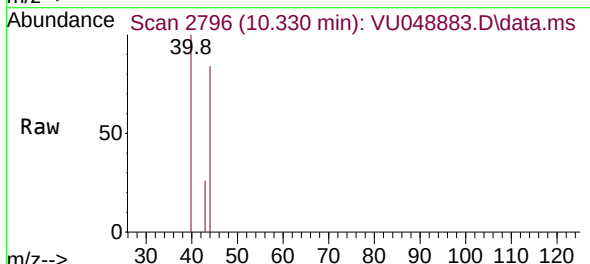
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

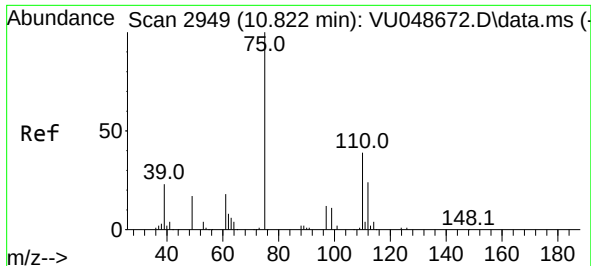
Tgt Ion:152 Resp: 183808
Ion Ratio Lower Upper
152 100
115 59.5 41.8 125.4
150 154.2 0.0 341.0



#74
N-ethyl acetate
Concen: 2.489 ug/l
RT: 10.330 min Scan# 2796
Delta R.T. 0.010 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
70 0.0 35.8 53.6#
55 0.0 21.1 31.7#
61 0.0 20.2 30.4#

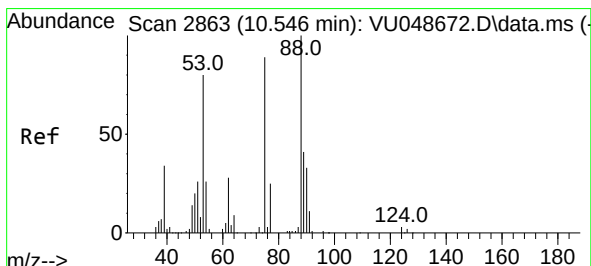
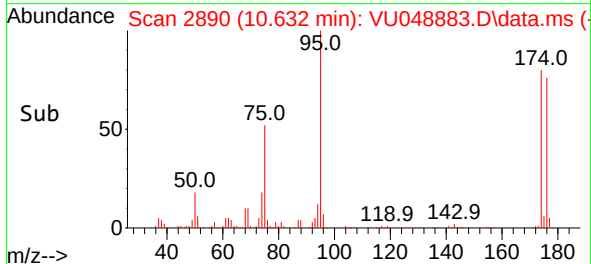
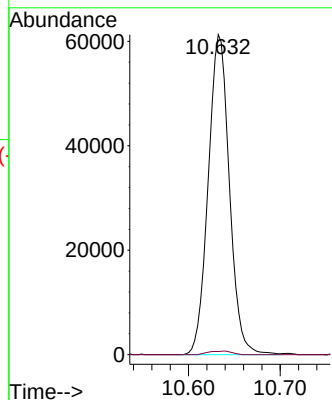
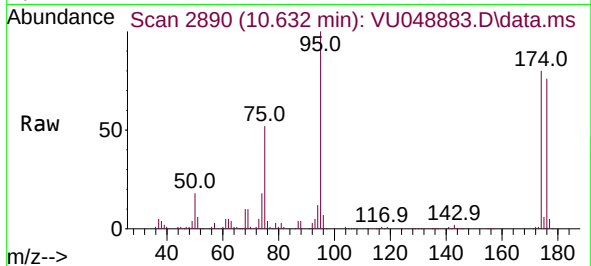




#76
1,2,3-Trichloropropane
Concen: 16.587 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

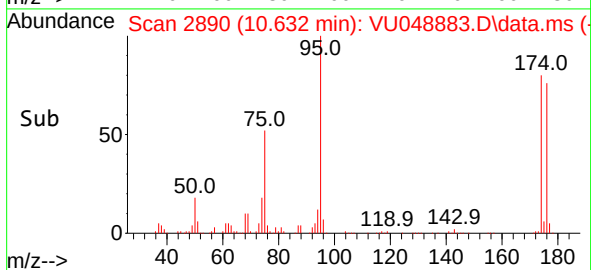
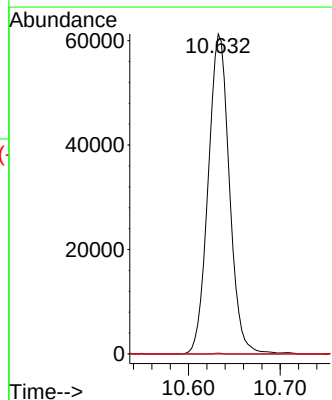
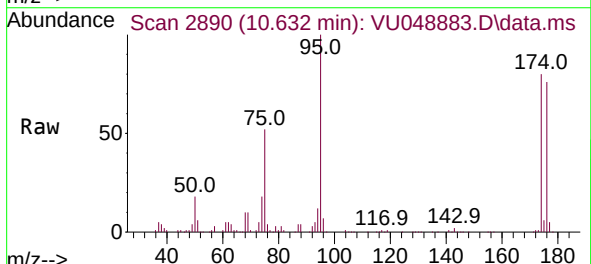
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

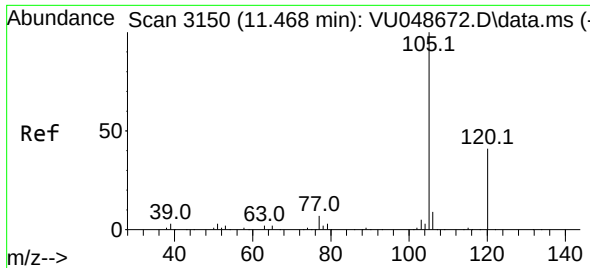
Tgt Ion: 75 Resp: 98301
Ion Ratio Lower Upper
75 100
77 1.3 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.225 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

Tgt Ion: 75 Resp: 98301
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#

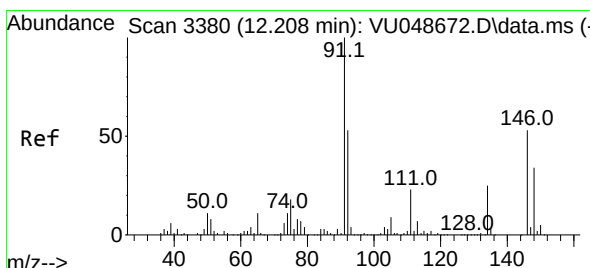
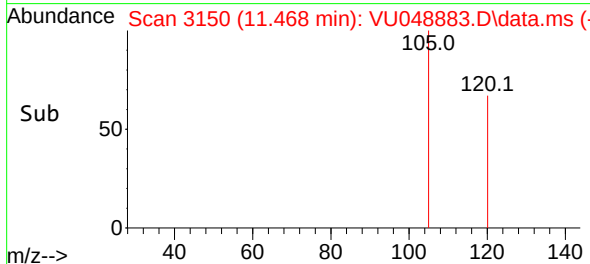
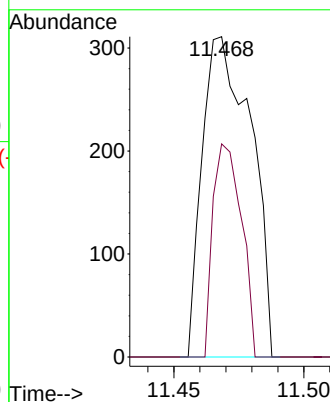
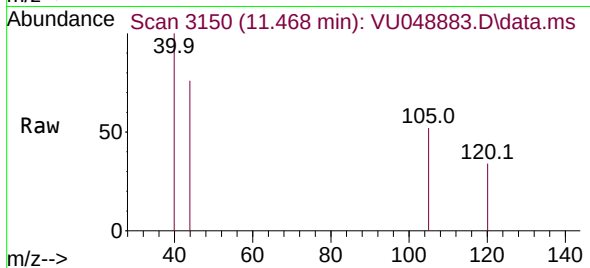




#84
1,2,4-Trimethylbenzene
Concen: 1.222 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

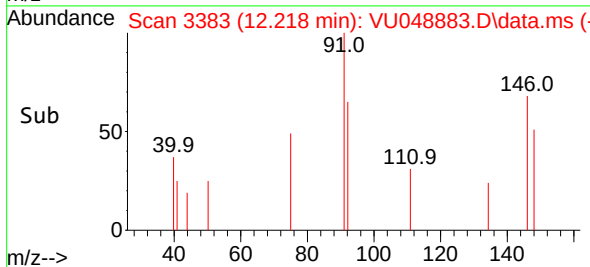
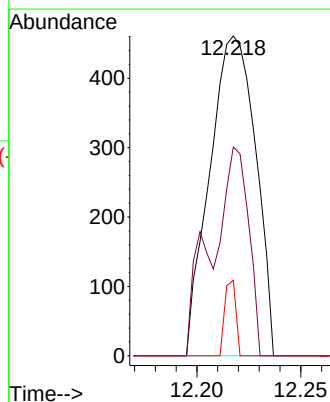
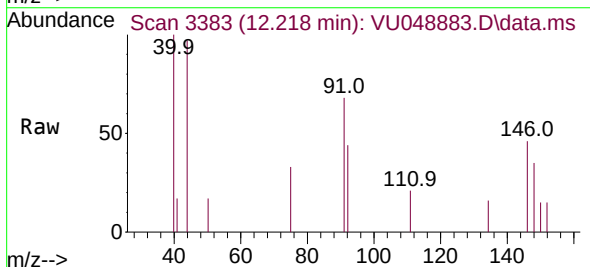
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

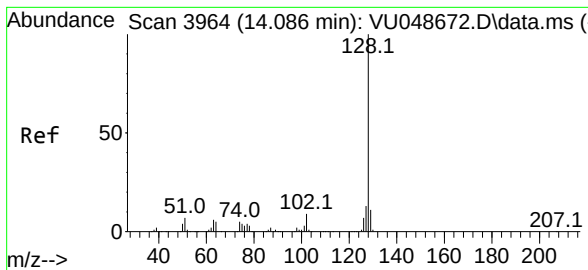
Tgt Ion:105 Resp: 405
Ion Ratio Lower Upper
105 100
120 39.0 22.5 67.5



#89
n-Butylbenzene
Concen: 2.249 ug/l
RT: 12.218 min Scan# 3383
Delta R.T. 0.010 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

Tgt Ion: 91 Resp: 708
Ion Ratio Lower Upper
91 100
92 36.6 25.9 77.8
134 5.8 12.5 37.5#





#95
Naphthalene
Concen: 2.798 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.009 min
Lab File: VU048883.D
Acq: 06 Jun 2022 15:31

Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

Tgt Ion	Ratio	Lower	Upper
128	100		
127	5.6	10.2	15.4#
129	7.2	8.7	13.1#

