

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060322\
 Data File : VU048868.D
 Acq On : 03 Jun 2022 19:25
 Operator : SY/MD
 Sample : N3165-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 49BR-20220531

Quant Time: Jun 04 04:41:09 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)

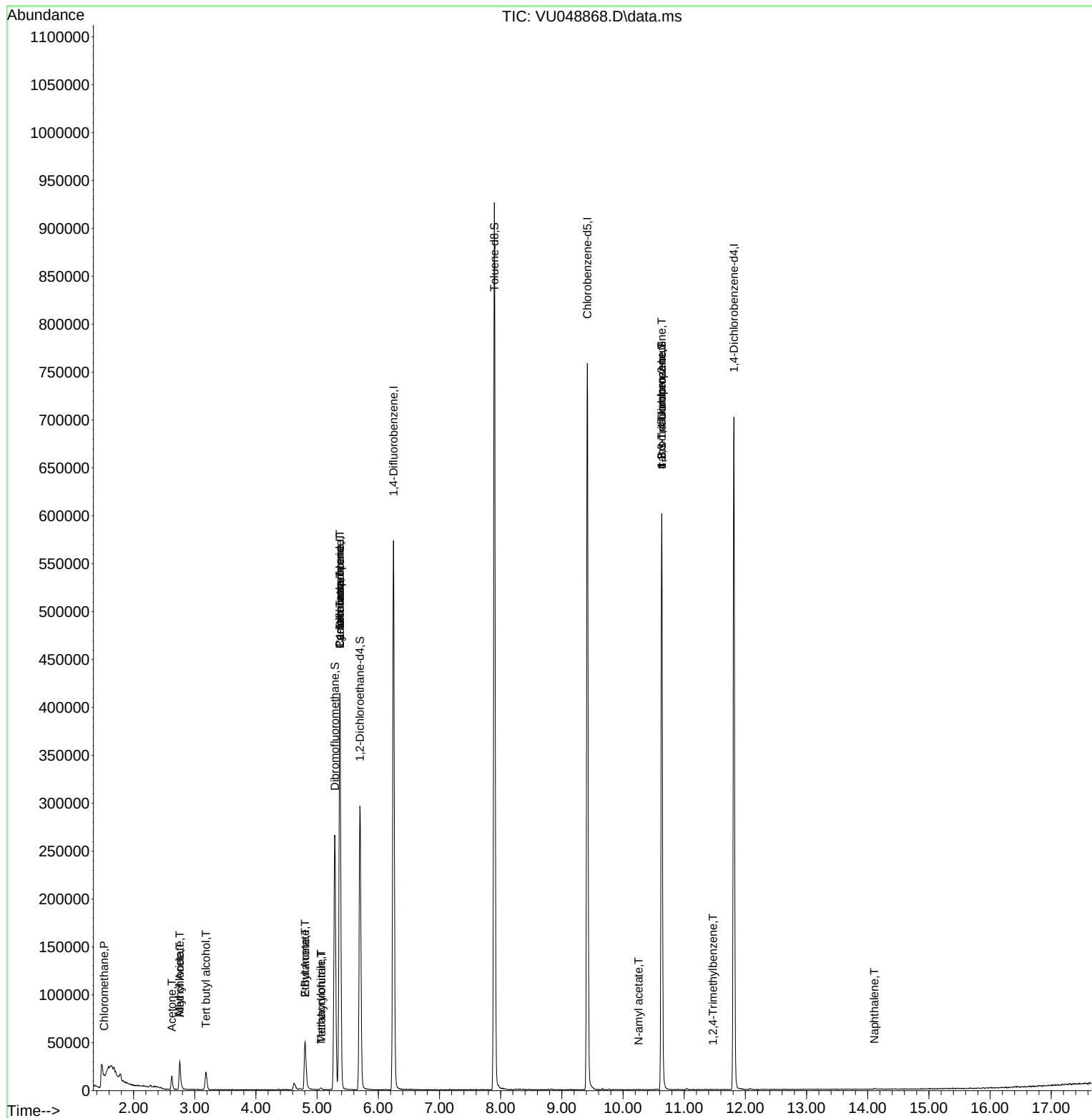
Internal Standards						
1) Pentafluorobenzene	5.372	168	275022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	451671	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	418725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	182944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	228363	55.290	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.580%	
35) Dibromofluoromethane	5.289	113	171242	53.142	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.280%	
50) Toluene-d8	7.896	98	612394	53.017	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.040%	
62) 4-Bromofluorobenzene	10.632	95	202627	46.384	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1034	0.255	ug/l #	83
5) Bromomethane	1.851	94	157	Below Cal		99
6) Chloroethane	1.871	64	1157	Below Cal	#	47
11) Tert butyl alcohol	3.183	59	11482	10.965	ug/l #	28
13) Acrolein	2.485	56	167	Below Cal	#	59
14) Allyl chloride	2.755	41	3119	0.575	ug/l #	65
16) Acetone	2.626	43	15577	7.400	ug/l	97
18) Methyl Acetate	2.755	43	7606	1.439	ug/l #	51
25) 2-Butanone	4.803	43	67346	22.271	ug/l #	49
29) Tetrahydrofuran	5.070	42	1247	0.655	ug/l #	62
31) Cyclohexane	5.372	56	6047	1.162	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	23355	4.966	ug/l #	49
37) Ethyl Acetate	4.803	43	67346	11.327	ug/l	99
38) Carbon Tetrachloride	5.372	117	28956	5.367	ug/l #	19
41) Methacrylonitrile	5.063	41	866	0.288	ug/l #	41
74) N-amyl acetate	10.256	43	70	2.478	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	104931	17.789	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	104931	64.590	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.472	105	43	1.191	ug/l #	31
95) Naphthalene	14.108	128	1261	2.616	ug/l #	73

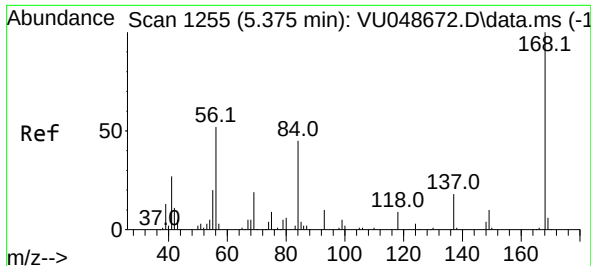
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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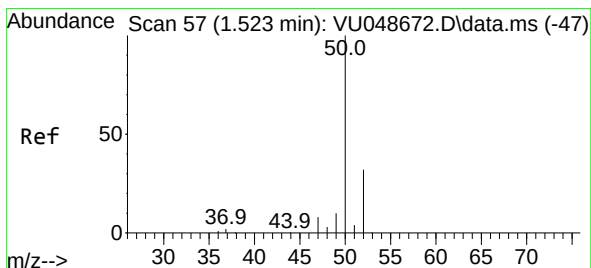
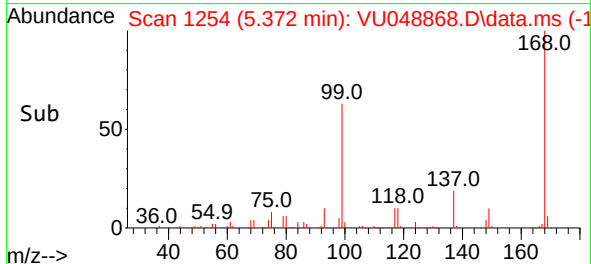
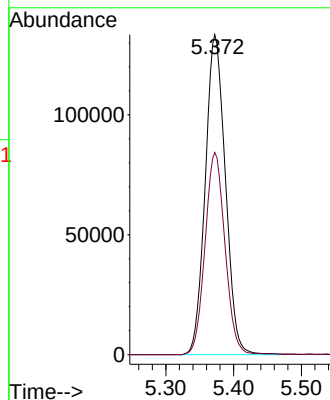
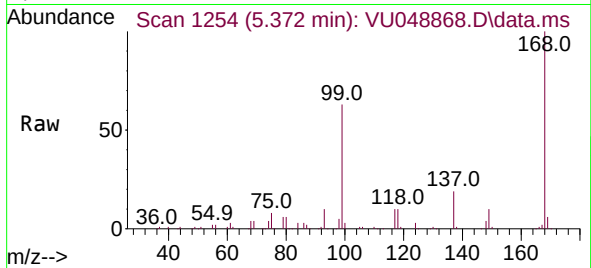




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048868.D
Acq: 03 Jun 2022 19:25

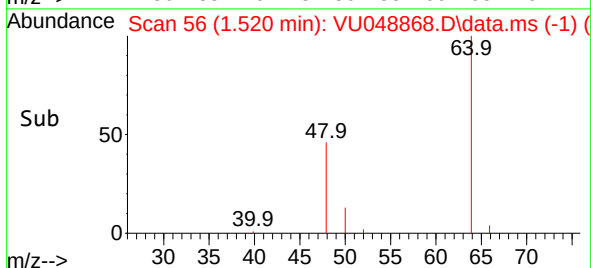
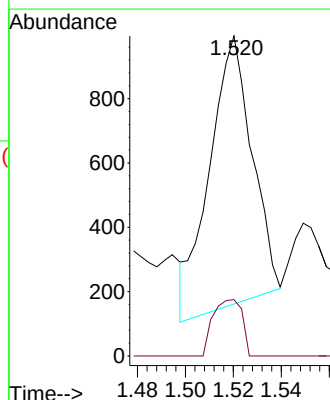
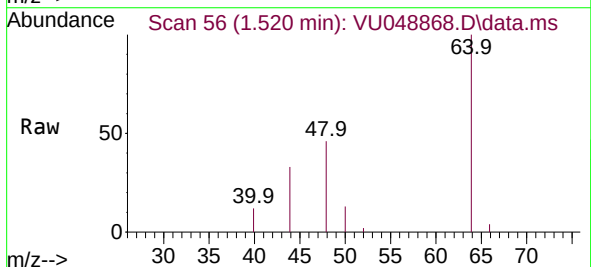
Instrument :
MSVOA_U
ClientSampleId :
49BR-20220531

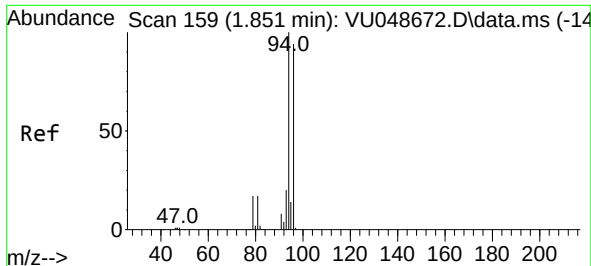
Tgt Ion:168 Resp: 275022
Ion Ratio Lower Upper
168 100
99 63.2 49.3 73.9



#3
Chloromethane
Concen: 0.255 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048868.D
Acq: 03 Jun 2022 19:25

Tgt Ion: 50 Resp: 1034
Ion Ratio Lower Upper
50 100
52 22.4 25.7 38.5#

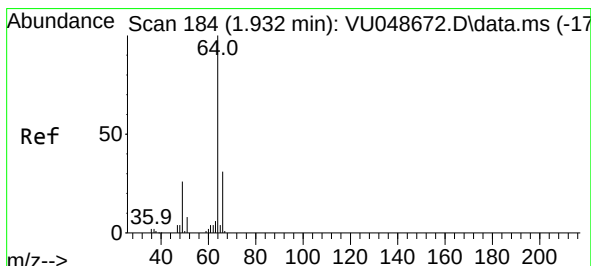
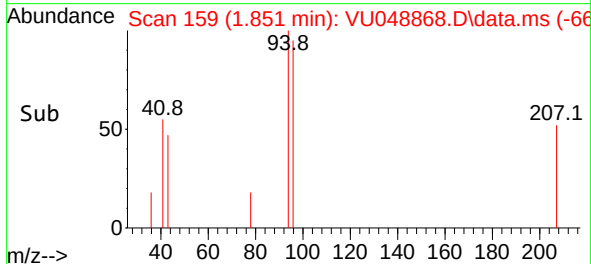
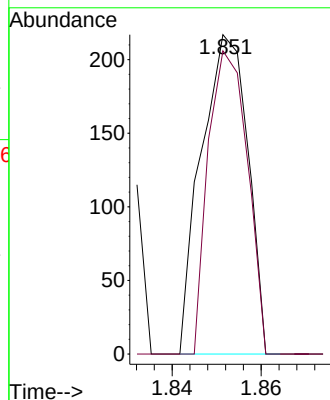
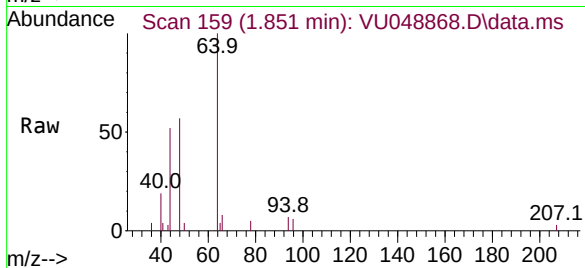




#5
Bromomethane
Concen: Below Cal
RT: 1.851 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048868.D
Acq: 03 Jun 2022 19:25

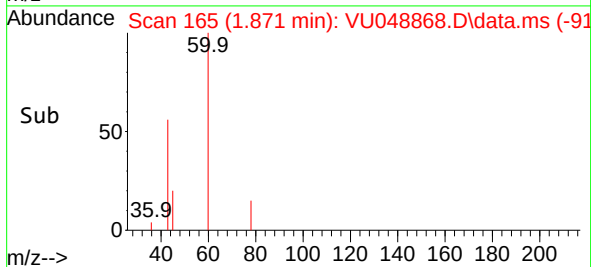
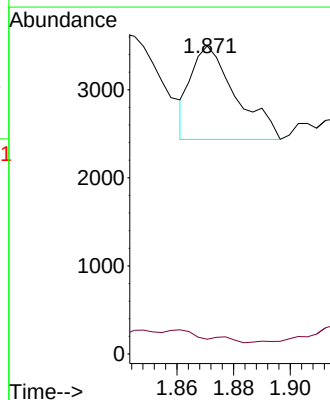
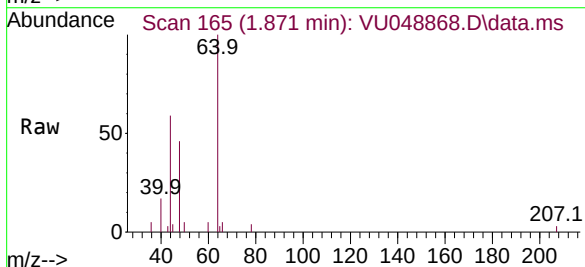
Instrument :
MSVOA_U
ClientSampleId :
49BR-20220531

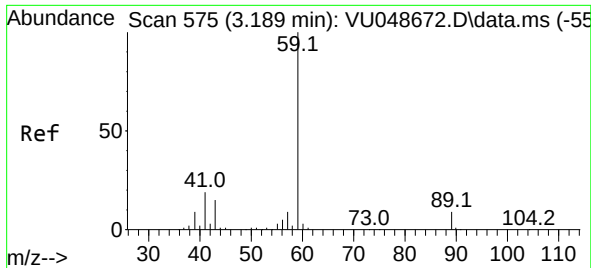
Tgt Ion: 94 Resp: 157
Ion Ratio Lower Upper
94 100
96 94.9 75.1 112.7



#6
Chloroethane
Concen: Below Cal
RT: 1.871 min Scan# 165
Delta R.T. -0.061 min
Lab File: VU048868.D
Acq: 03 Jun 2022 19:25

Tgt Ion: 64 Resp: 1157
Ion Ratio Lower Upper
64 100
66 2.2 25.2 37.8#

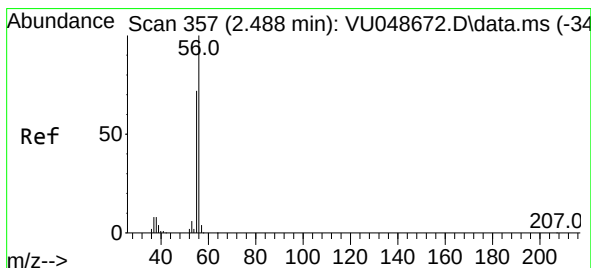
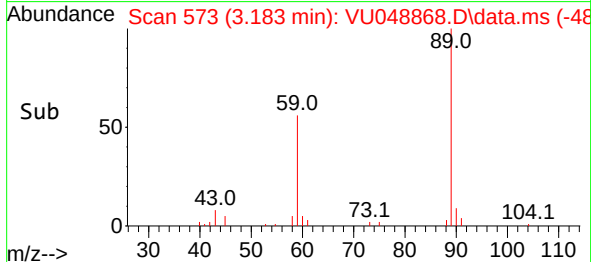
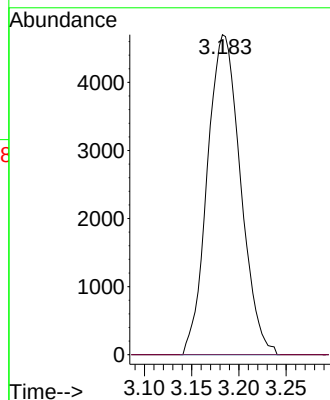
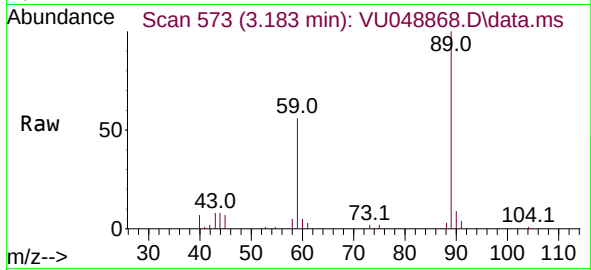




#11
Tert butyl alcohol
Concen: 10.965 ug/l
RT: 3.183 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048868.D
Acq: 03 Jun 2022 19:25

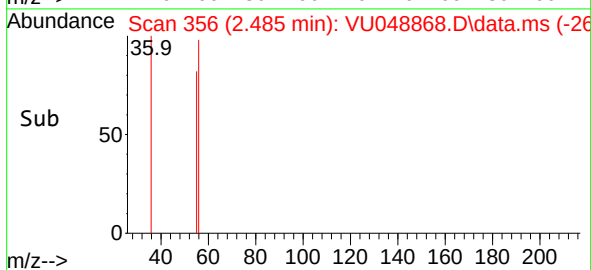
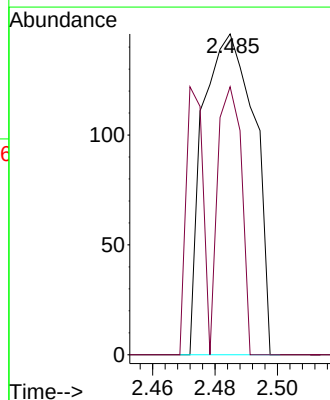
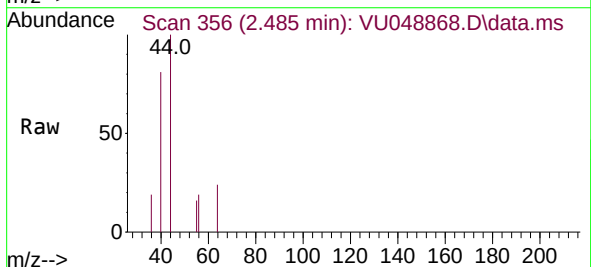
Instrument :
MSVOA_U
ClientSampleId :
49BR-20220531

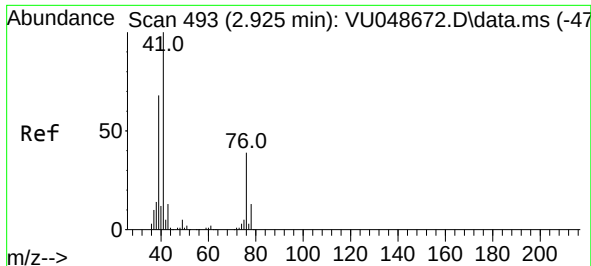
Tgt Ion: 59 Resp: 11482
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.485 min Scan# 356
Delta R.T. -0.003 min
Lab File: VU048868.D
Acq: 03 Jun 2022 19:25

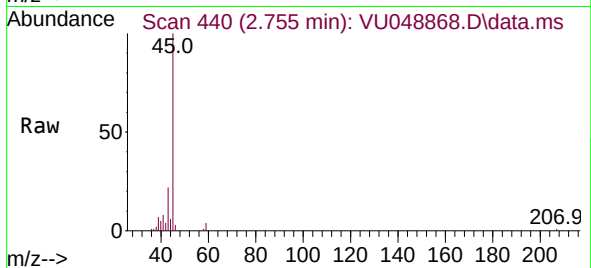
Tgt Ion: 56 Resp: 167
Ion Ratio Lower Upper
56 100
55 38.3 57.7 86.5#



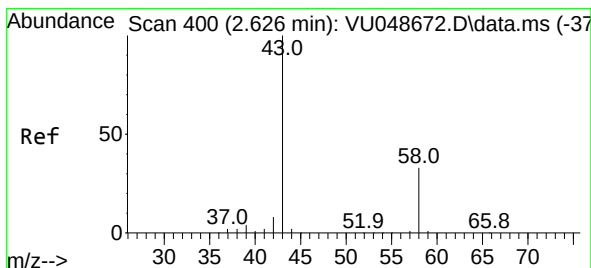
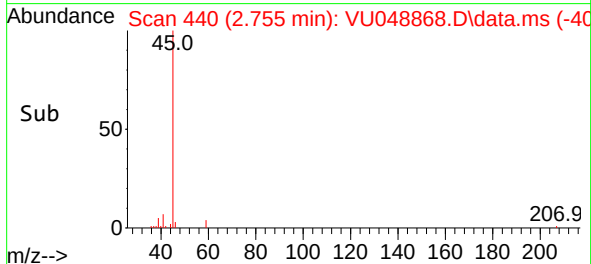
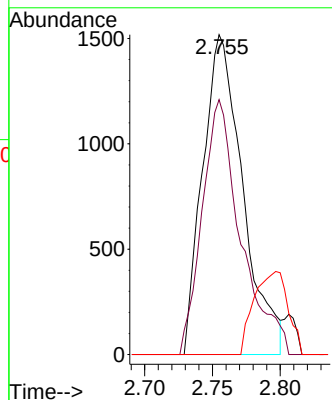


#14
 Allyl chloride
 Concen: 0.575 ug/l
 RT: 2.755 min Scan# 41
 Delta R.T. -0.170 min
 Lab File: VU048868.D
 Acq: 03 Jun 2022 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 49BR-20220531

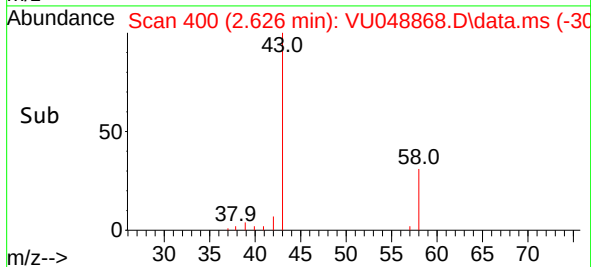
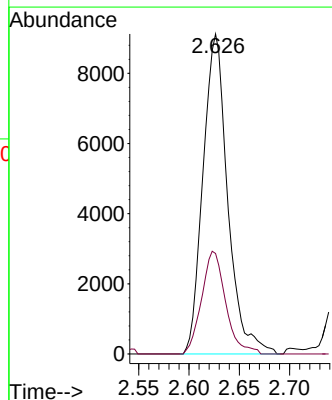
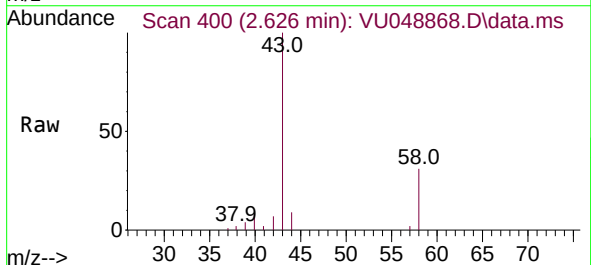


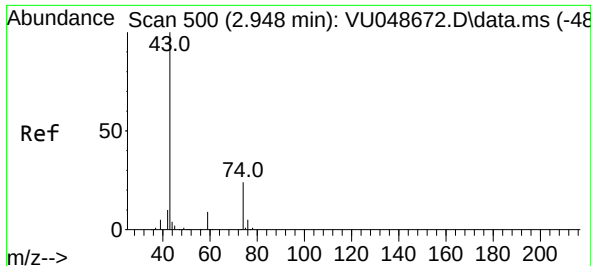
Tgt Ion: 41 Resp: 3119
 Ion Ratio Lower Upper
 41 100
 39 76.7 48.6 72.8#
 76 0.0 27.0 40.4#



#16
 Acetone
 Concen: 7.400 ug/l
 RT: 2.626 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU048868.D
 Acq: 03 Jun 2022 19:25

Tgt Ion: 43 Resp: 15577
 Ion Ratio Lower Upper
 43 100
 58 31.4 26.3 39.5

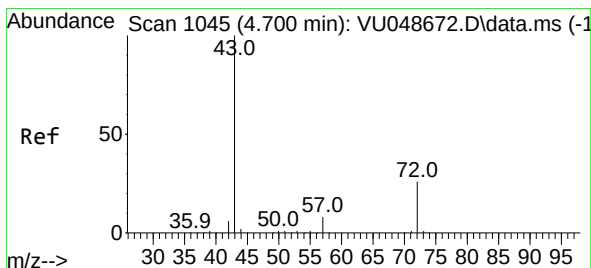
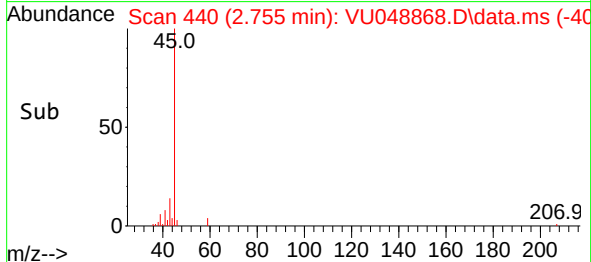
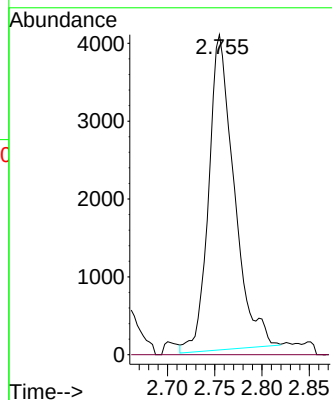
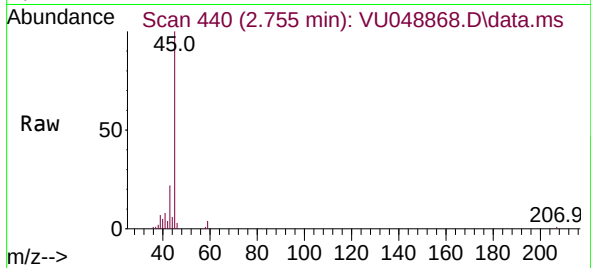




#18
Methyl Acetate
Concen: 1.439 ug/l
RT: 2.755 min Scan# 441
Delta R.T. -0.193 min
Lab File: VU048868.D
Acq: 03 Jun 2022 19:25

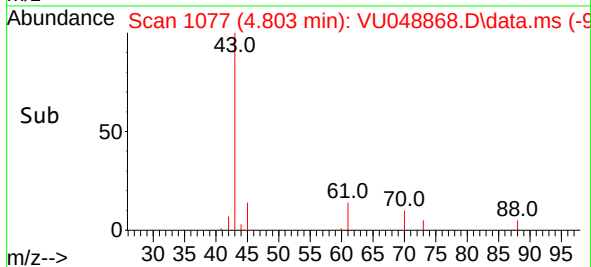
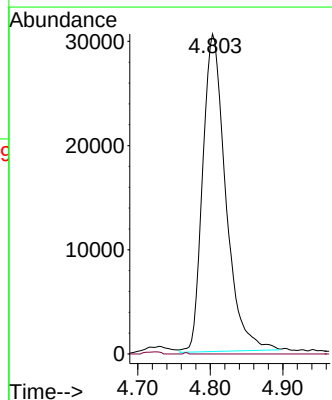
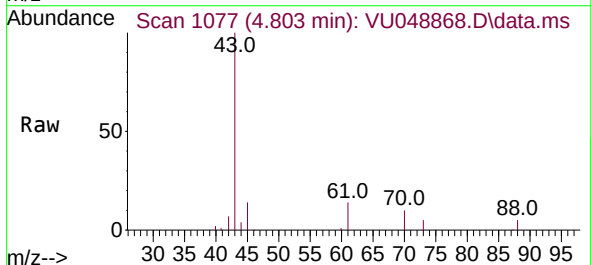
Instrument :
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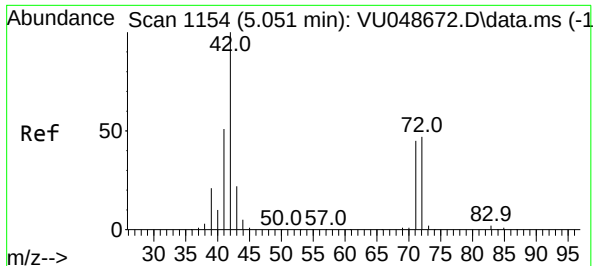
Tgt Ion: 43 Resp: 7606
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#25
2-Butanone
Concen: 22.271 ug/l
RT: 4.803 min Scan# 1077
Delta R.T. 0.103 min
Lab File: VU048868.D
Acq: 03 Jun 2022 19:25

Tgt Ion: 43 Resp: 67346
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#





#29

Tetrahydrofuran

Concen: 0.655 ug/l

RT: 5.070 min Scan# 1154

Delta R.T. 0.019 min

Lab File: VU048868.D

Acq: 03 Jun 2022 19:25

Instrument :

MSVOA_U

ClientSampleId :

49BR-20220531

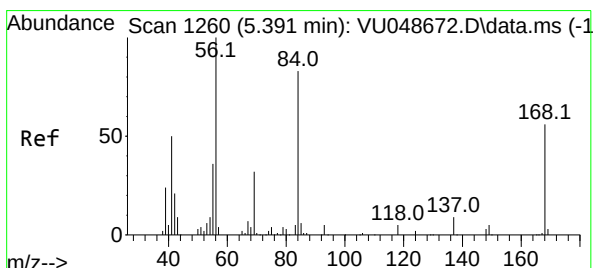
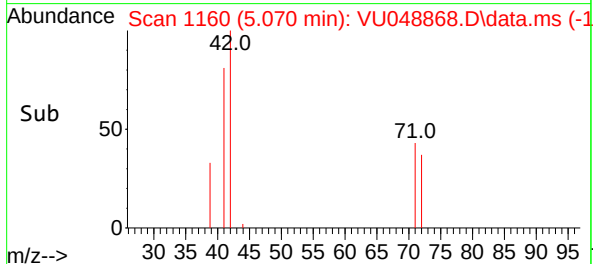
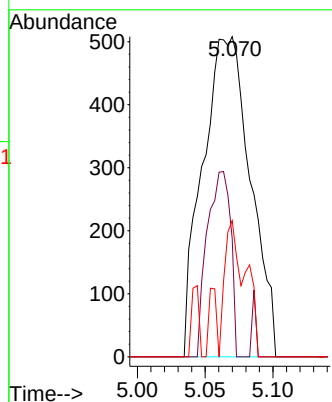
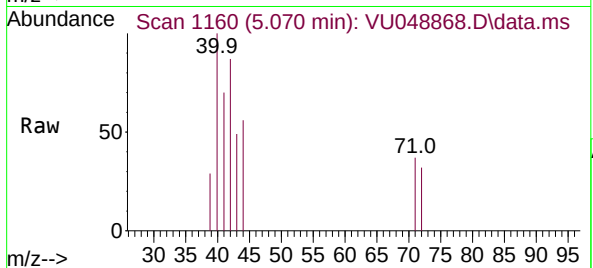
Tgt Ion: 42 Resp: 1247

Ion Ratio Lower Upper

42 100

72 28.2 37.6 56.4#

71 12.5 35.0 52.4#



#31

Cyclohexane

Concen: 1.162 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048868.D

Acq: 03 Jun 2022 19:25

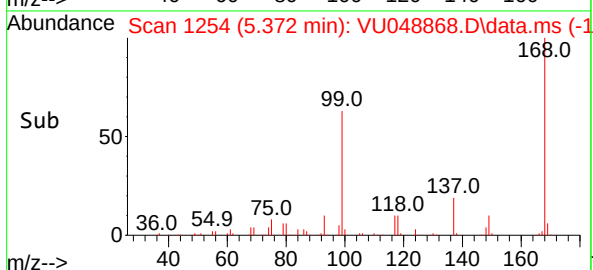
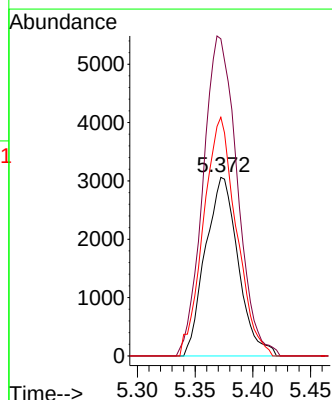
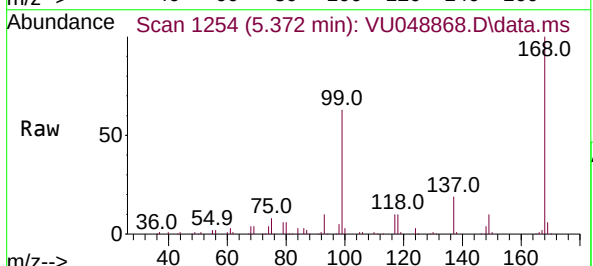
Tgt Ion: 56 Resp: 6047

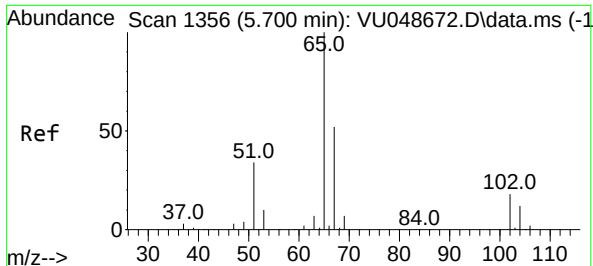
Ion Ratio Lower Upper

56 100

69 177.6 25.6 38.4#

84 133.7 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 55.290 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU048868.D

Acq: 03 Jun 2022 19:25

Instrument :

MSVOA_U

ClientSampleId :

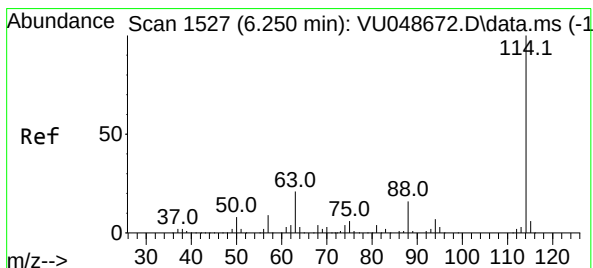
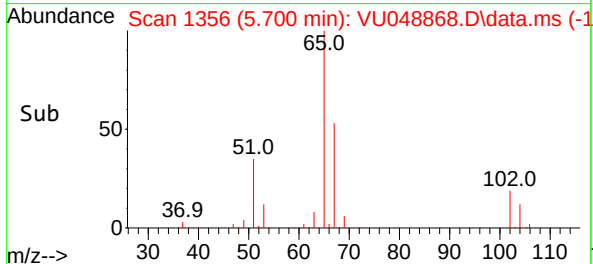
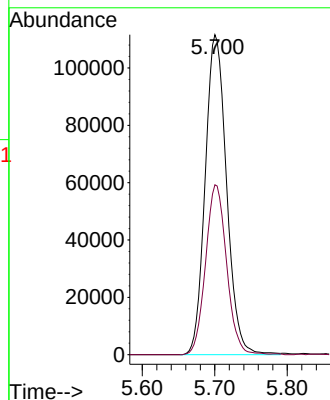
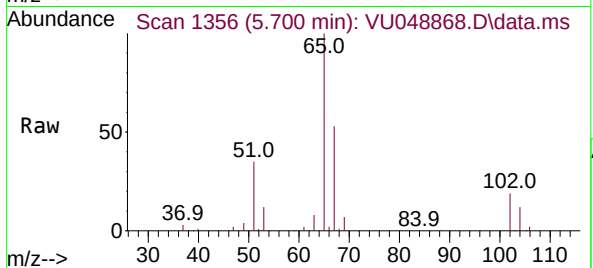
49BR-20220531

Tgt Ion: 65 Resp: 228363

Ion Ratio Lower Upper

65 100

67 52.3 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: VU048868.D

Acq: 03 Jun 2022 19:25

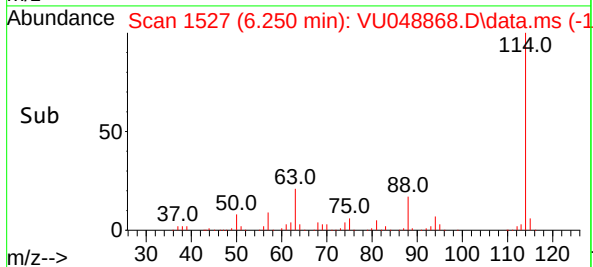
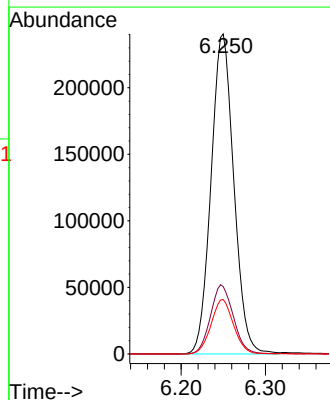
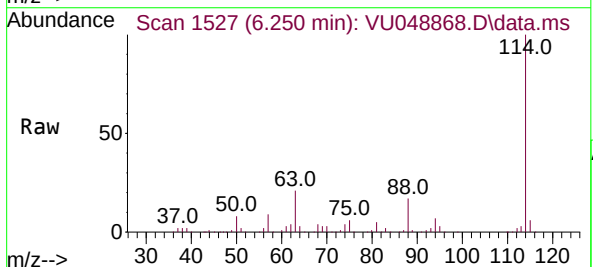
Tgt Ion: 114 Resp: 451671

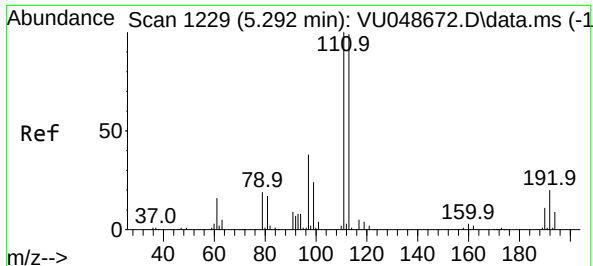
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

88 17.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 53.142 ug/l

RT: 5.289 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048868.D

Acq: 03 Jun 2022 19:25

Instrument :

MSVOA_U

ClientSampleId :

49BR-20220531

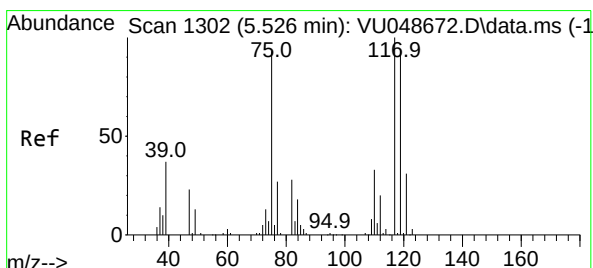
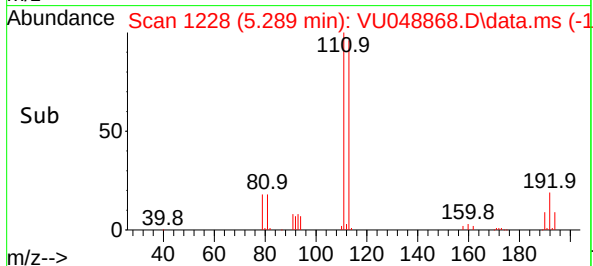
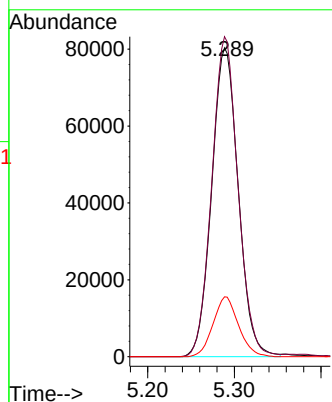
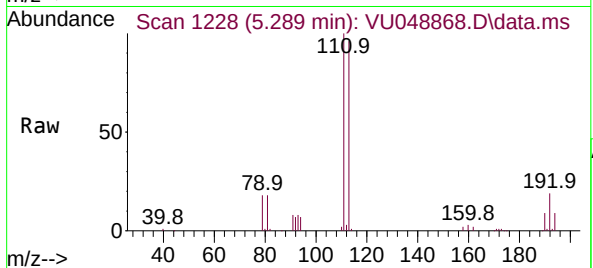
Tgt Ion:113 Resp: 171242

Ion Ratio Lower Upper

113 100

111 102.1 80.7 121.1

192 18.6 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.966 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048868.D

Acq: 03 Jun 2022 19:25

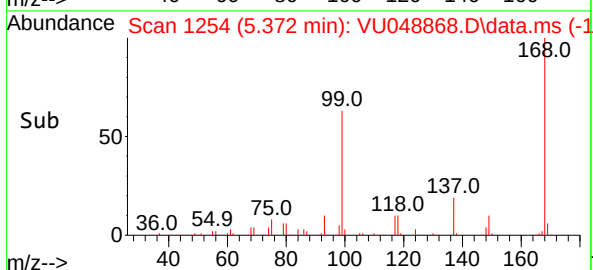
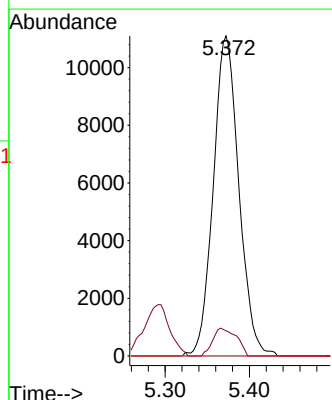
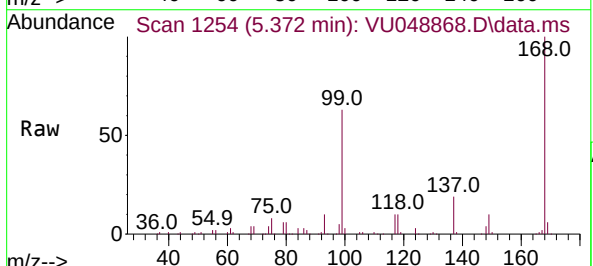
Tgt Ion: 75 Resp: 23355

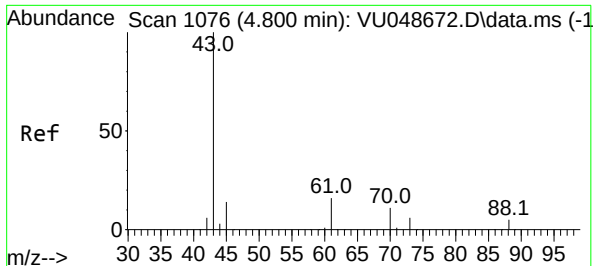
Ion Ratio Lower Upper

75 100

110 8.0 17.4 52.3#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 11.327 ug/l

RT: 4.803 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048868.D

Acq: 03 Jun 2022 19:25

Instrument :

MSVOA_U

ClientSampleId :

49BR-20220531

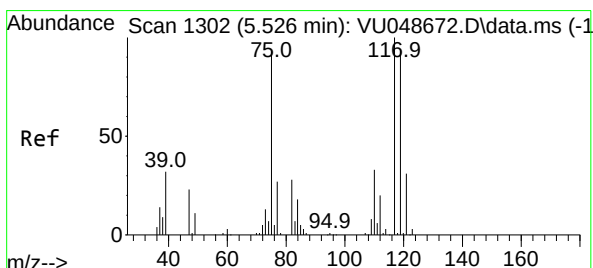
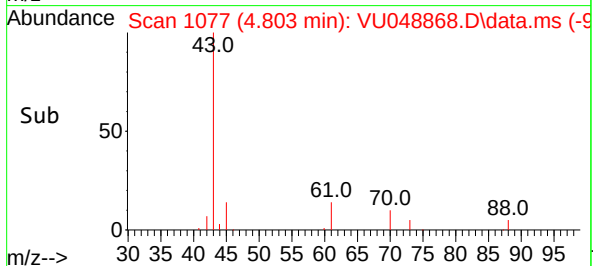
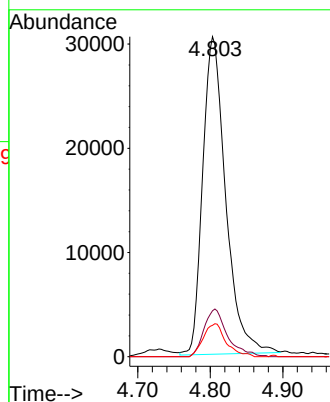
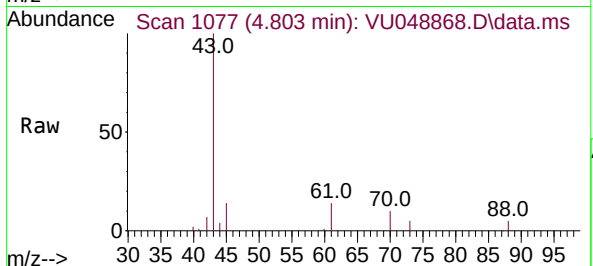
Tgt Ion: 43 Resp: 67346

Ion Ratio Lower Upper

43 100

61 15.3 11.7 17.5

70 10.2 8.4 12.6



#38

Carbon Tetrachloride

Concen: 5.367 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048868.D

Acq: 03 Jun 2022 19:25

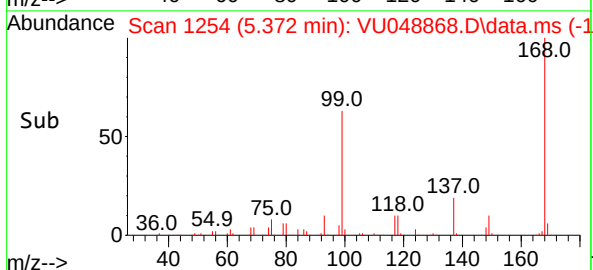
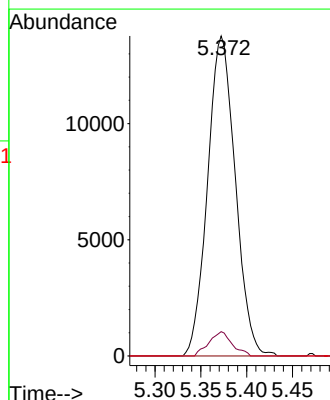
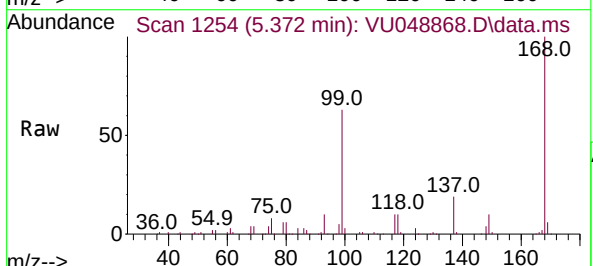
Tgt Ion: 117 Resp: 28956

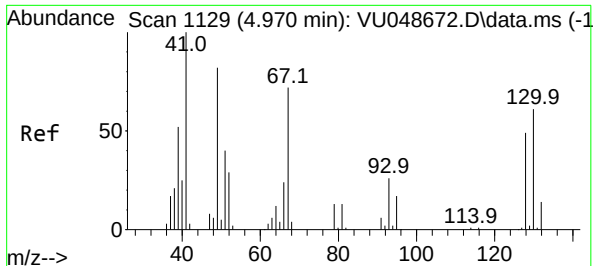
Ion Ratio Lower Upper

117 100

119 7.6 75.4 113.2#

121 0.0 24.6 36.8#





#41

Methacrylonitrile

Concen: 0.288 ug/l

RT: 5.063 min Scan# 1129

Delta R.T. 0.093 min

Lab File: VU048868.D

Acq: 03 Jun 2022 19:25

Instrument :

MSVOA_U

ClientSampleId :

49BR-20220531

Tgt Ion: 41 Resp: 866

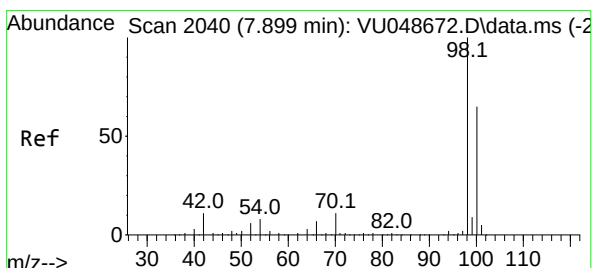
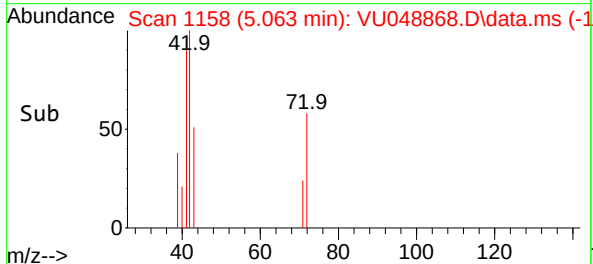
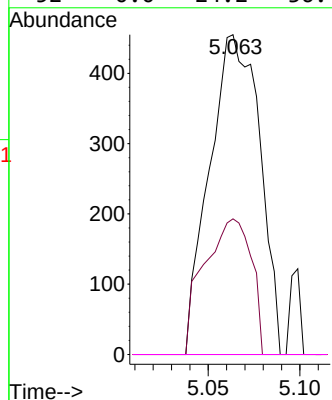
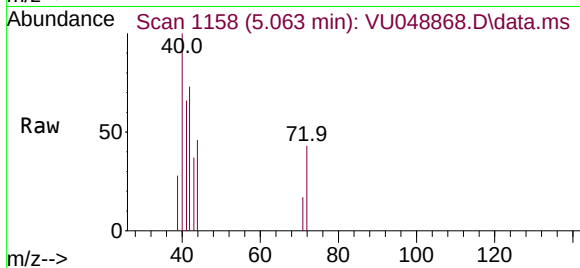
Ion Ratio Lower Upper

41 100

39 39.8 42.6 64.0#

67 0.0 61.0 91.4#

52 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 53.017 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. -0.003 min

Lab File: VU048868.D

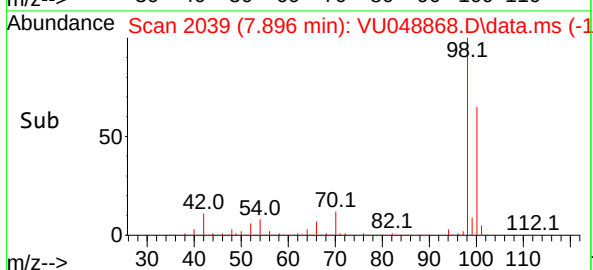
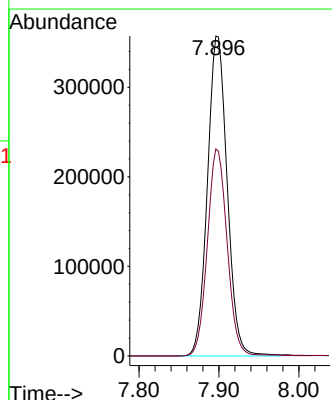
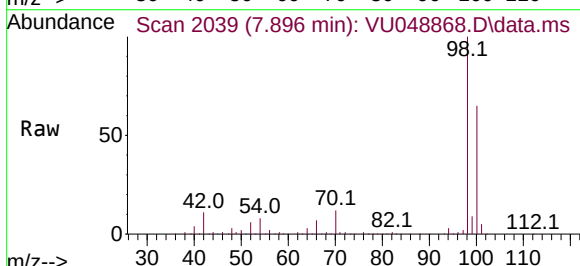
Acq: 03 Jun 2022 19:25

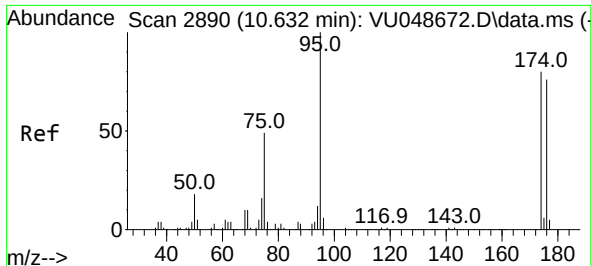
Tgt Ion: 98 Resp: 612394

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.4

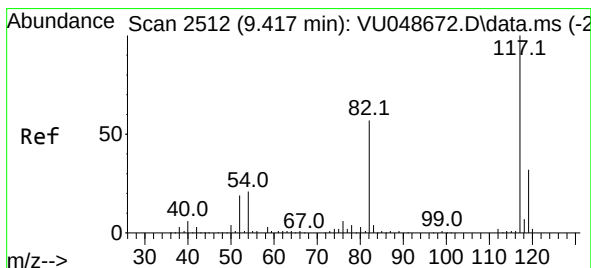
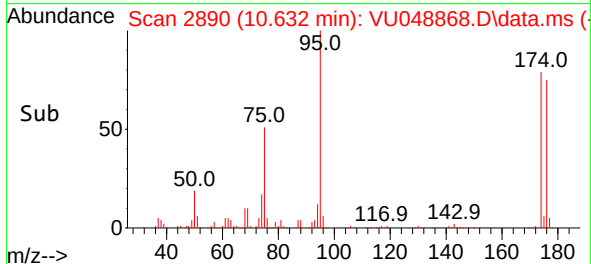
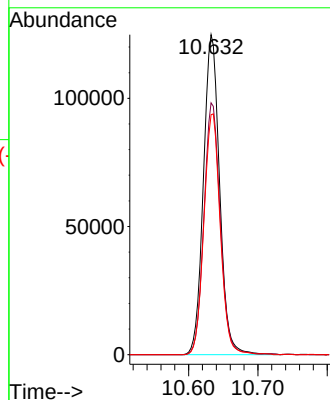
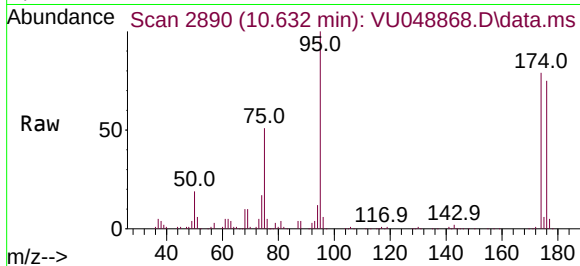




#62
4-Bromofluorobenzene
Concen: 46.384 ug/l
RT: 10.632 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VU048868.D
Acq: 03 Jun 2022 19:25

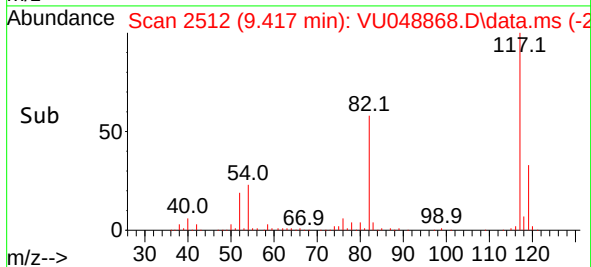
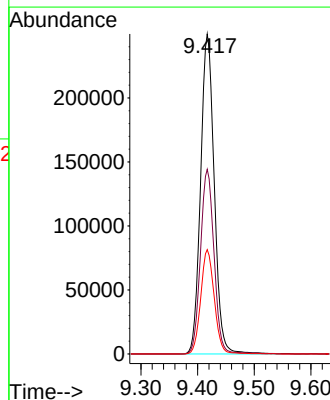
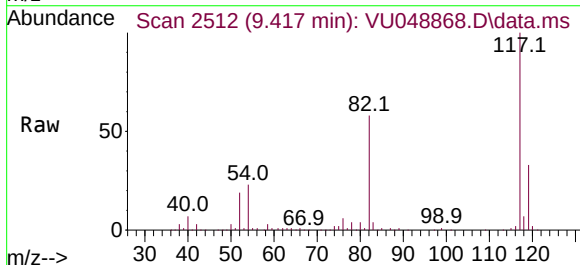
Instrument :
MSVOA_U
ClientSampleId :
49BR-20220531

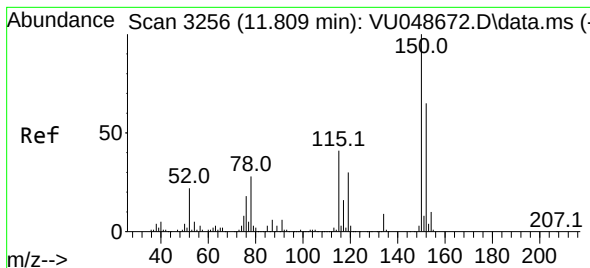
Tgt Ion: 95 Resp: 202627
Ion Ratio Lower Upper
95 100
174 79.4 0.0 159.4
176 75.8 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. 0.000 min
Lab File: VU048868.D
Acq: 03 Jun 2022 19:25

Tgt Ion: 117 Resp: 418725
Ion Ratio Lower Upper
117 100
82 57.7 45.3 67.9
119 32.6 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: VU048868.D

Acq: 03 Jun 2022 19:25

Instrument :

MSVOA_U

ClientSampleId :

49BR-20220531

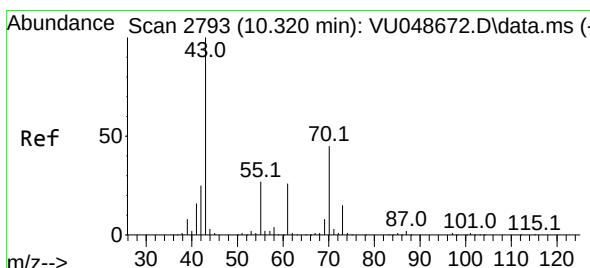
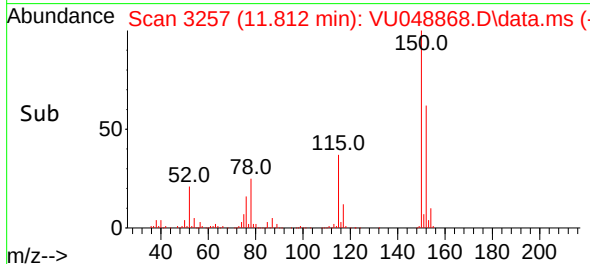
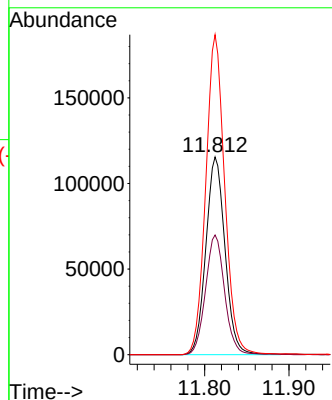
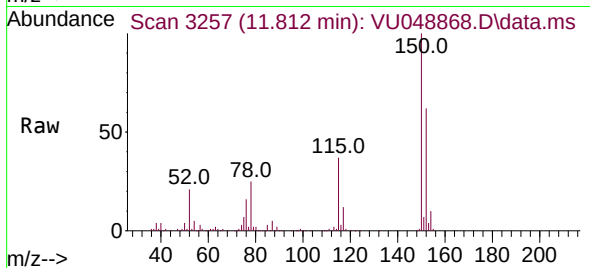
Tgt Ion:152 Resp: 182944

Ion Ratio Lower Upper

152 100

115 60.3 41.8 125.4

150 159.6 0.0 341.0



#74

N-ethyl acetate

Concen: 2.478 ug/l

RT: 10.256 min Scan# 2773

Delta R.T. -0.064 min

Lab File: VU048868.D

Acq: 03 Jun 2022 19:25

Tgt Ion: 43 Resp: 70

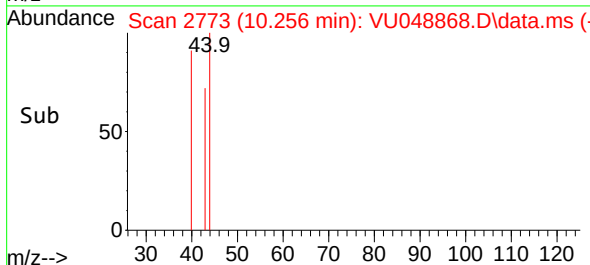
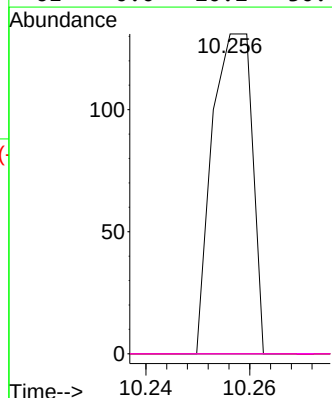
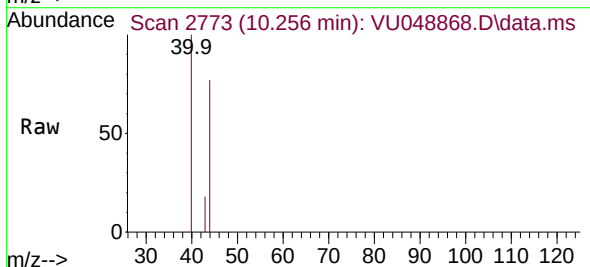
Ion Ratio Lower Upper

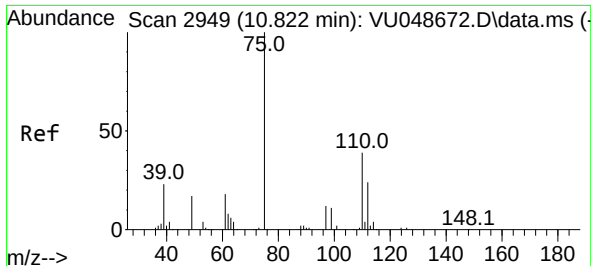
43 100

70 0.0 35.8 53.6#

55 0.0 21.1 31.7#

61 0.0 20.2 30.4#

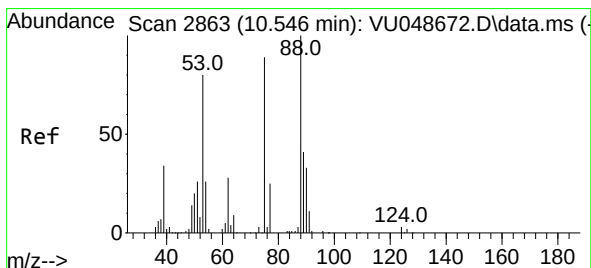
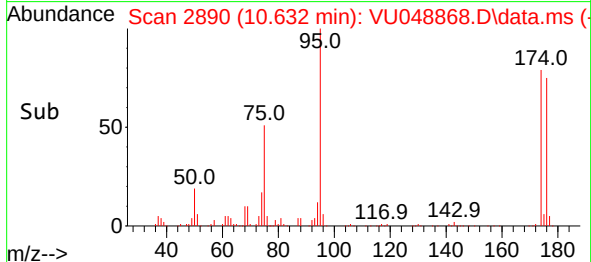
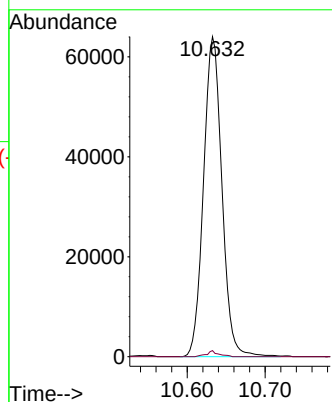
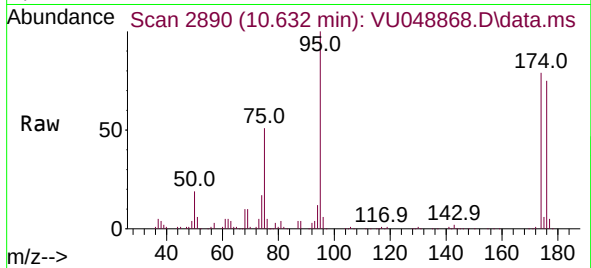




#76
1,2,3-Trichloropropane
Concen: 17.789 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048868.D
Acq: 03 Jun 2022 19:25

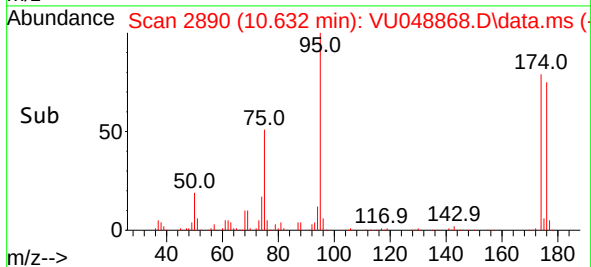
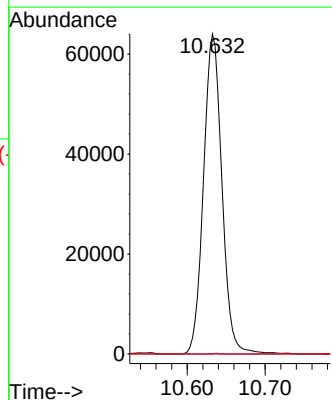
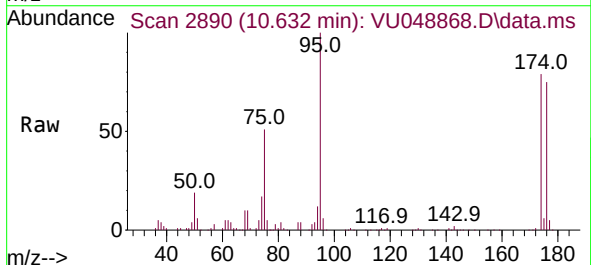
Instrument :
MSVOA_U
ClientSampleId :
49BR-20220531

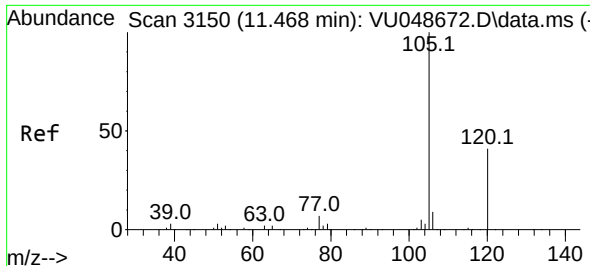
Tgt Ion: 75 Resp: 104931
Ion Ratio Lower Upper
75 100
77 1.2 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.590 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048868.D
Acq: 03 Jun 2022 19:25

Tgt Ion: 75 Resp: 104931
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

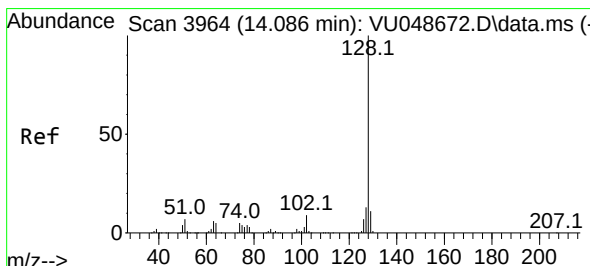
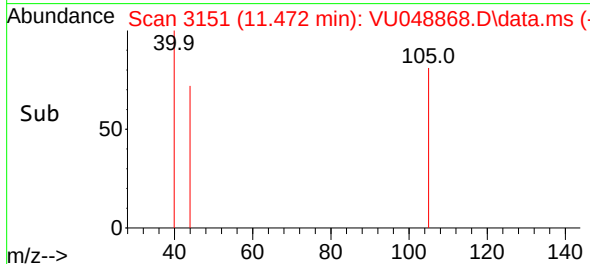
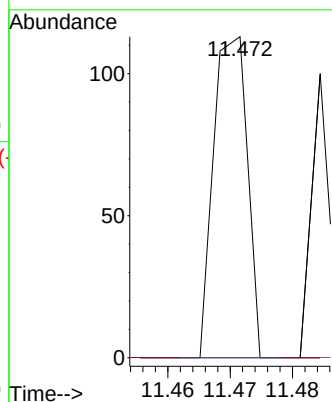
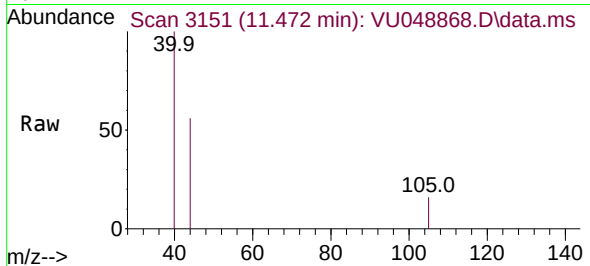




#84
1,2,4-Trimethylbenzene
Concen: 1.191 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.004 min
Lab File: VU048868.D
Acq: 03 Jun 2022 19:25

Instrument :
MSVOA_U
ClientSampleId :
49BR-20220531

Tgt Ion:105 Resp: 43
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#



#95
Naphthalene
Concen: 2.616 ug/l
RT: 14.108 min Scan# 3971
Delta R.T. 0.022 min
Lab File: VU048868.D
Acq: 03 Jun 2022 19:25

Tgt Ion:128 Resp: 1261
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 3.3 8.7 13.1#

