

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060622\
 Data File : VU048882.D
 Acq On : 06 Jun 2022 15:07
 Operator : SY/MD
 Sample : N3165-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 63BR-20220531

Quant Time: Jun 07 05:16:40 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)

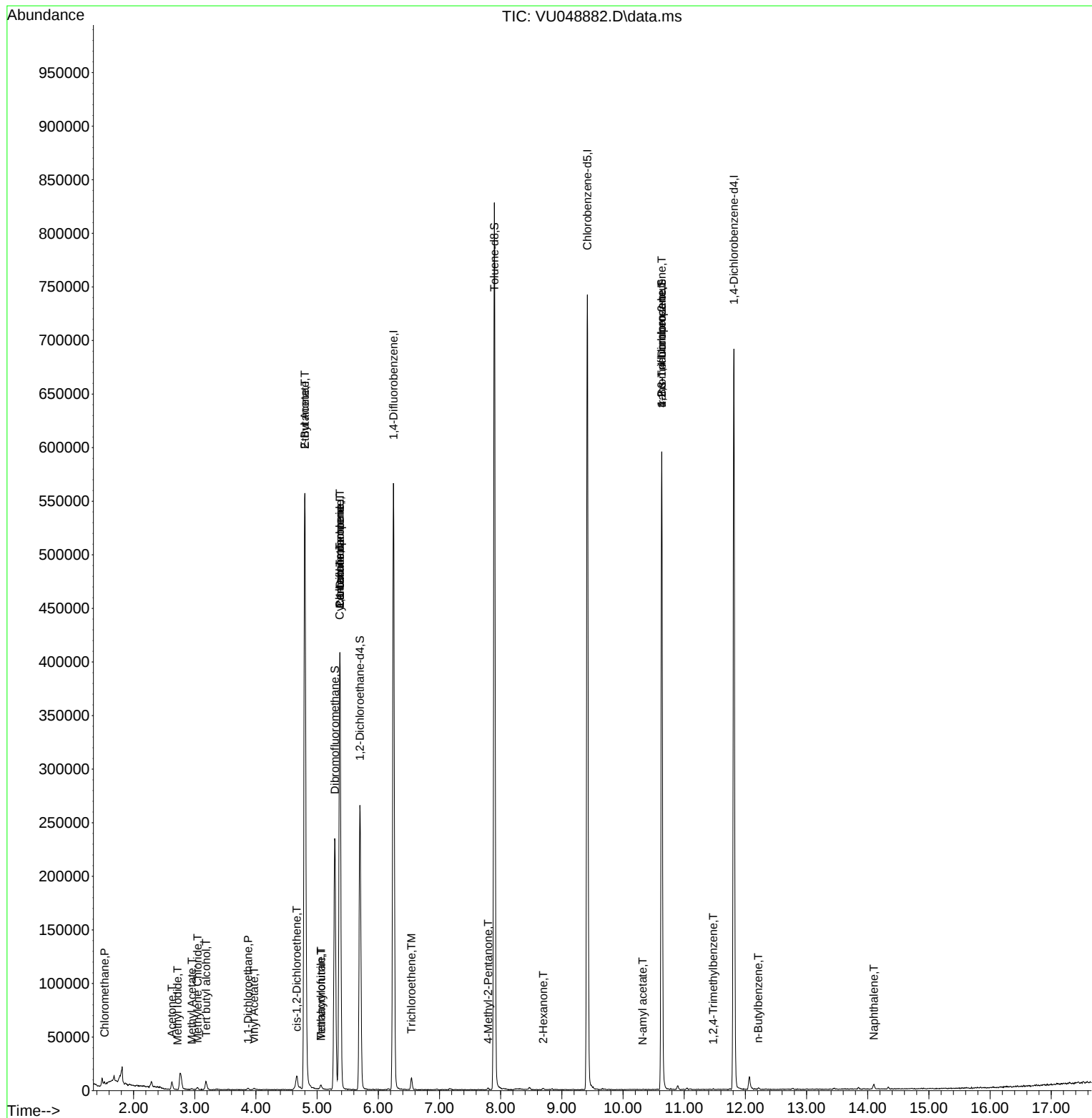
Internal Standards						
1) Pentafluorobenzene	5.372	168	276506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	455022	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	409142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	185717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	204531	49.254	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.500%		
35) Dibromofluoromethane	5.288	113	151862	46.781	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.560%		
50) Toluene-d8	7.896	98	537904	46.225	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.460%		
62) 4-Bromofluorobenzene	10.632	95	200090	45.466	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.940%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	1228	0.301	ug/l	98
5) Bromomethane	1.835	94	342	Below Cal	#	45
6) Chloroethane	1.922	64	313	Below Cal	#	43
10) Methyl Iodide	2.719	142	42	3.014	ug/l #	37
11) Tert butyl alcohol	3.186	59	4952	4.704	ug/l #	28
13) Acrolein	2.488	56	98	Below Cal		86
16) Acetone	2.626	43	7978	3.770	ug/l	98
18) Methyl Acetate	2.954	43	1212	0.228	ug/l #	71
20) Methylene Chloride	3.047	84	884	0.246	ug/l #	87
23) Vinyl Acetate	3.970	43	2144	0.246	ug/l #	87
24) 1,1-Dichloroethane	3.874	63	1784	0.283	ug/l #	84
25) 2-Butanone	4.800	43	731036	240.456	ug/l #	49
27) cis-1,2-Dichloroethene	4.668	96	7069	1.897	ug/l	83
29) Tetrahydrofuran	5.063	42	3455	1.804	ug/l #	77
31) Cyclohexane	5.369	56	6264	1.197	ug/l #	4
36) 1,1-Dichloropropene	5.372	75	23510	4.962	ug/l #	49
37) Ethyl Acetate	4.800	43	731036	122.053	ug/l	99
38) Carbon Tetrachloride	5.372	117	29583	5.443	ug/l #	17
41) Methacrylonitrile	5.067	41	1593	0.526	ug/l #	45
44) Trichloroethene	6.542	130	3419	0.949	ug/l	93
51) 4-Methyl-2-Pentanone	7.796	43	1472	0.261	ug/l #	66
59) 2-Hexanone	8.697	43	1126	0.243	ug/l	98
74) N-amyl acetate	10.320	43	273	2.510	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	102119	17.054	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	102119	61.921	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	388	1.221	ug/l	82
89) n-Butylbenzene	12.211	91	864	2.262	ug/l #	79
95) Naphthalene	14.102	128	5404	2.884	ug/l #	82

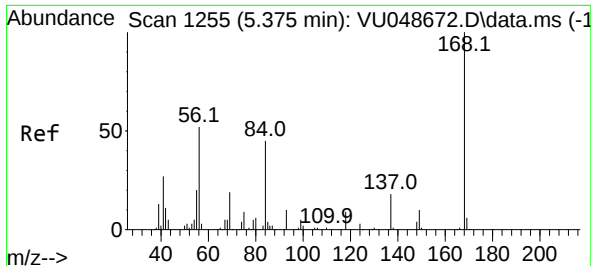
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060622\
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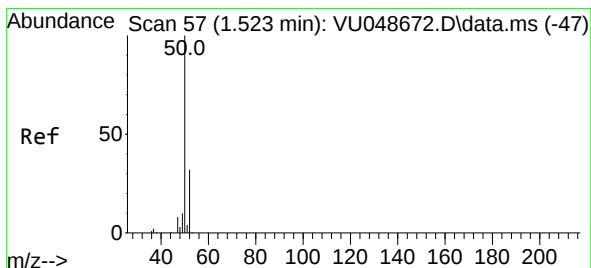
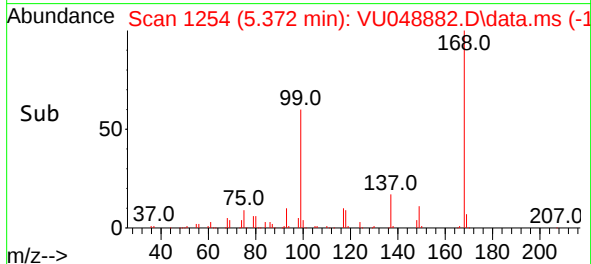
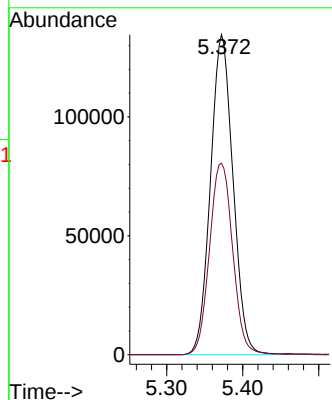
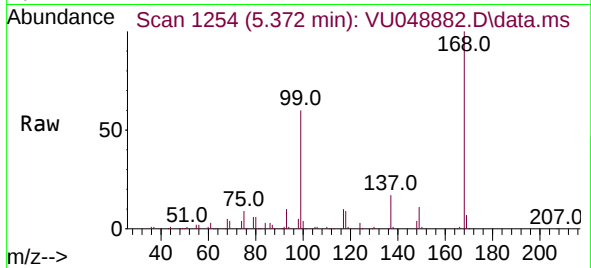




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

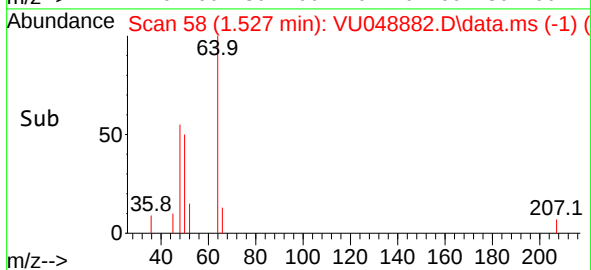
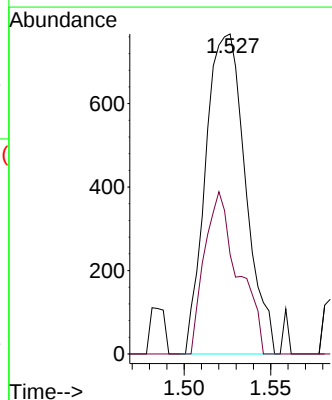
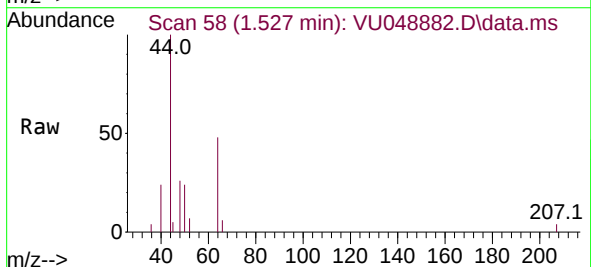
Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

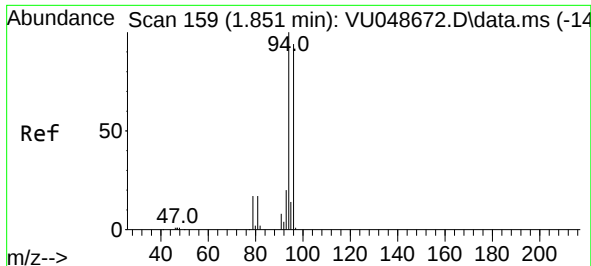
Tgt Ion:168 Resp: 276506
Ion Ratio Lower Upper
168 100
99 59.9 49.3 73.9



#3
Chloromethane
Concen: 0.301 ug/l
RT: 1.527 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

Tgt Ion: 50 Resp: 1228
Ion Ratio Lower Upper
50 100
52 31.0 25.7 38.5

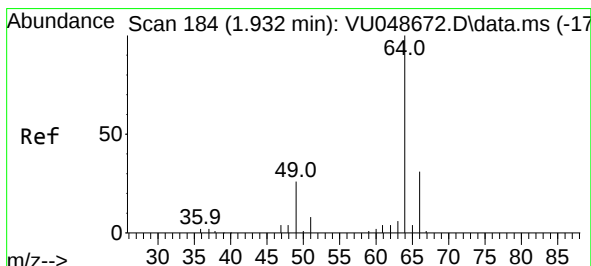
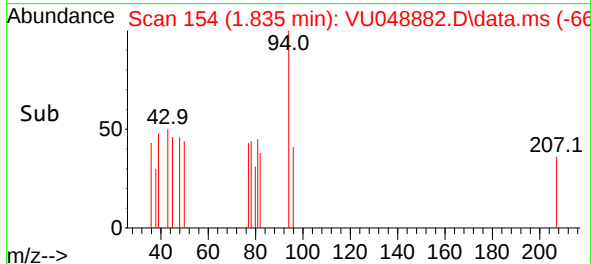
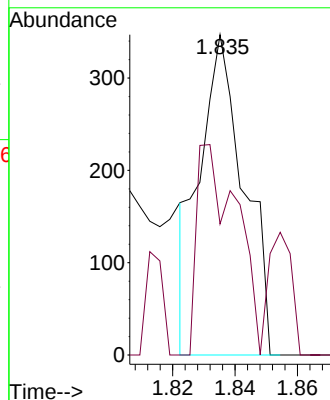
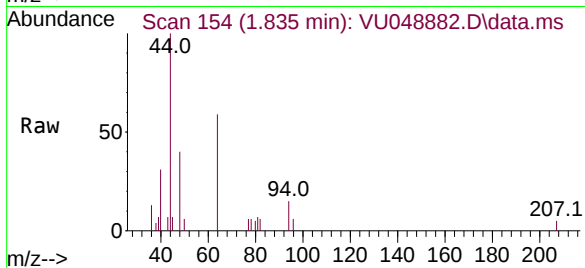




#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

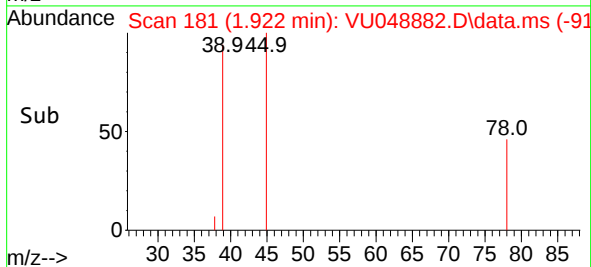
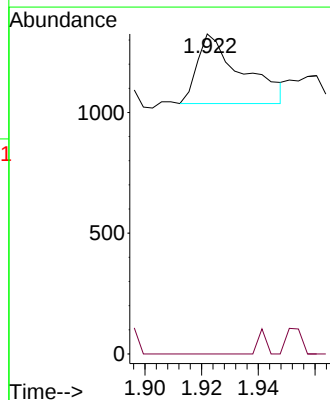
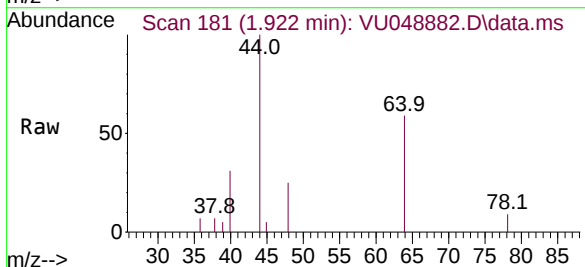
Instrument :
MSVOA_U
ClientSampleId :
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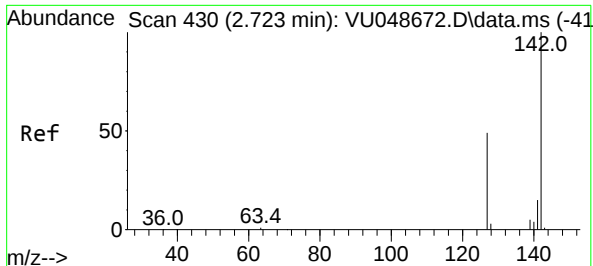
Tgt Ion: 94 Resp: 342
Ion Ratio Lower Upper
94 100
96 40.9 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.922 min Scan# 181
Delta R.T. -0.010 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

Tgt Ion: 64 Resp: 313
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

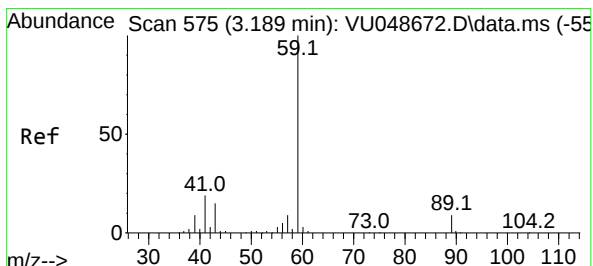
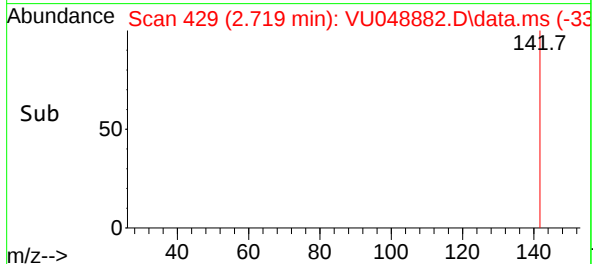
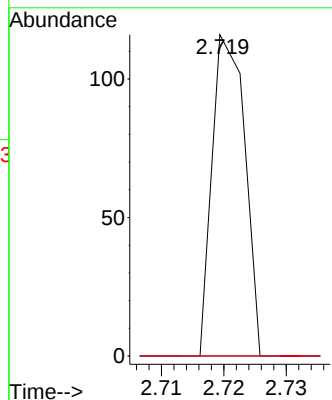
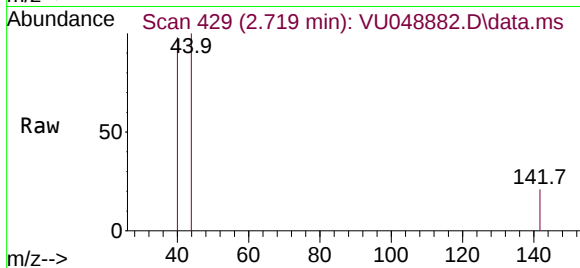




#10
Methyl Iodide
Concen: 3.014 ug/l
RT: 2.719 min Scan# 41
Delta R.T. -0.004 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

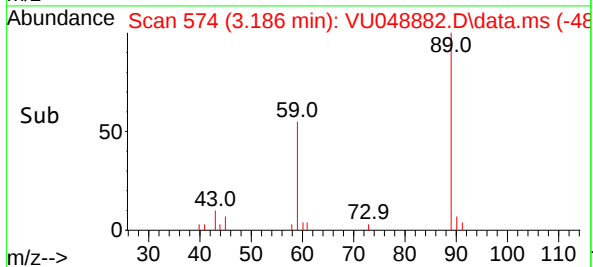
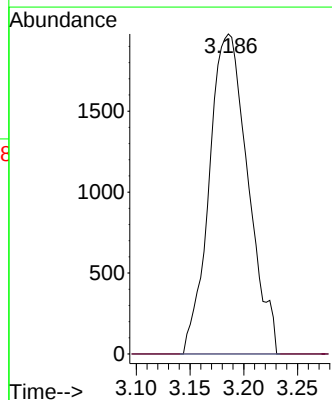
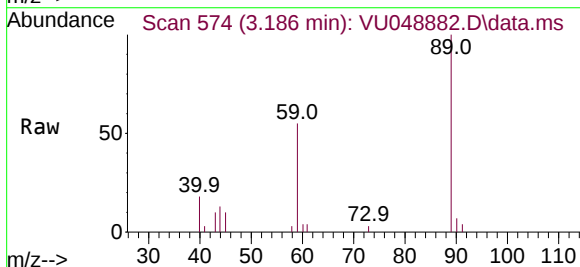
Instrument :
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ClientSampleId :
63BR-20220531

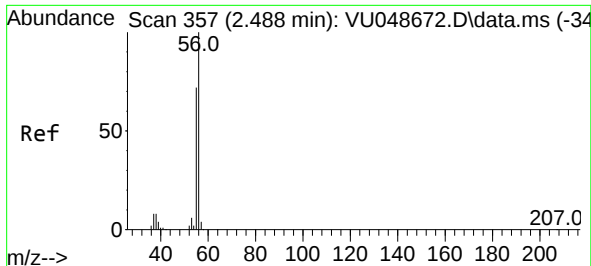
Tgt Ion:142 Resp: 42
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 4.704 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.003 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

Tgt Ion: 59 Resp: 4952
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

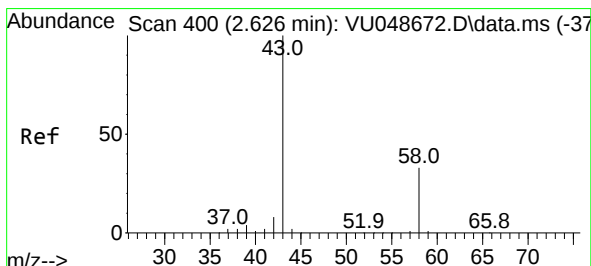
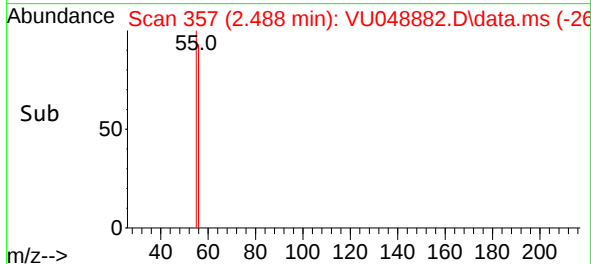
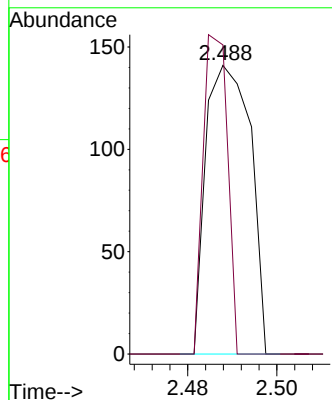
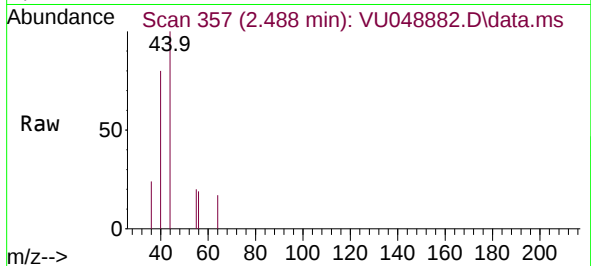




#13
Acrolein
Concen: Below Cal
RT: 2.488 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

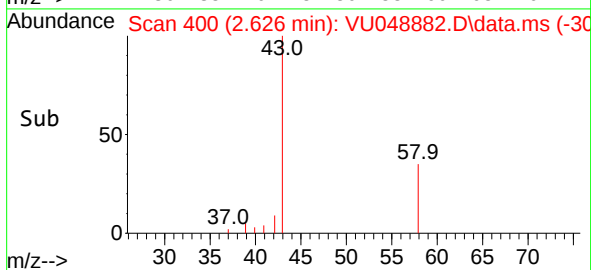
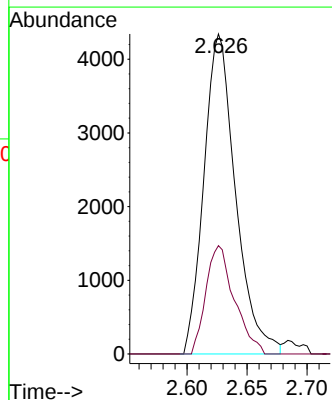
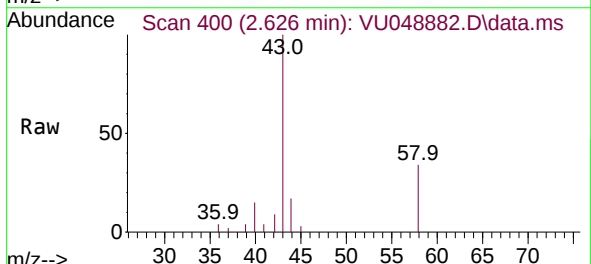
Instrument :
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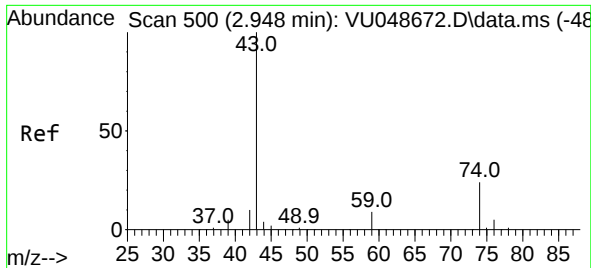
Tgt Ion: 56 Resp: 98
Ion Ratio Lower Upper
56 100
55 60.2 57.7 86.5



#16
Acetone
Concen: 3.770 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

Tgt Ion: 43 Resp: 7978
Ion Ratio Lower Upper
43 100
58 33.9 26.3 39.5

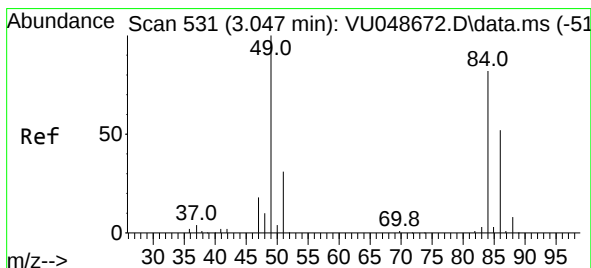
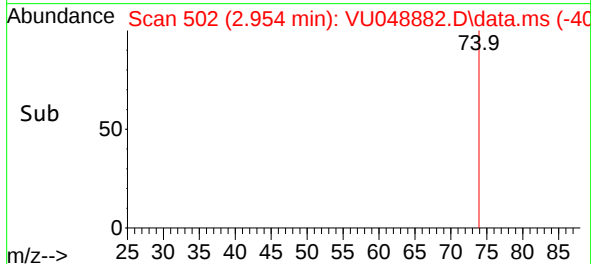
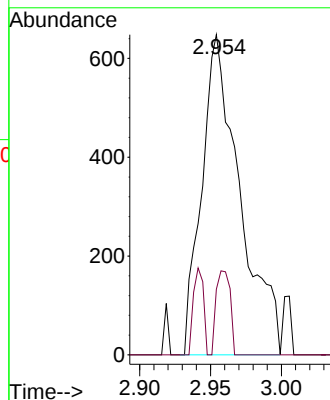
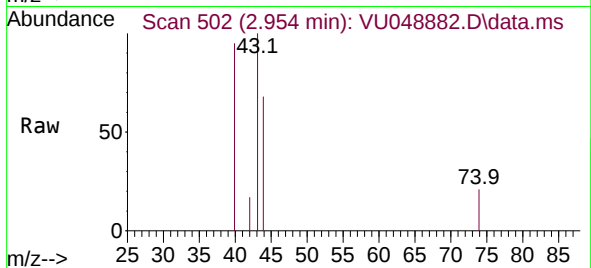




#18
Methyl Acetate
Concen: 0.228 ug/l
RT: 2.954 min Scan# 501
Delta R.T. 0.006 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

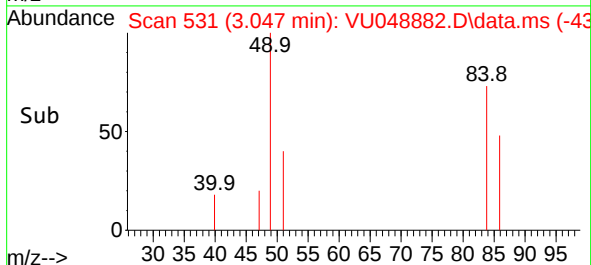
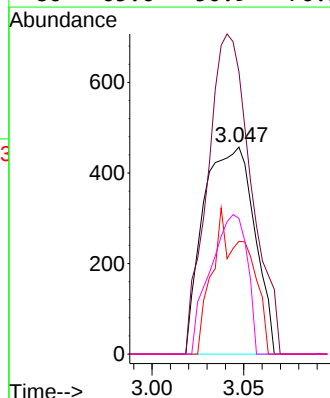
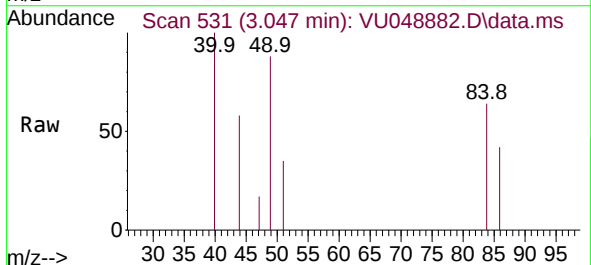
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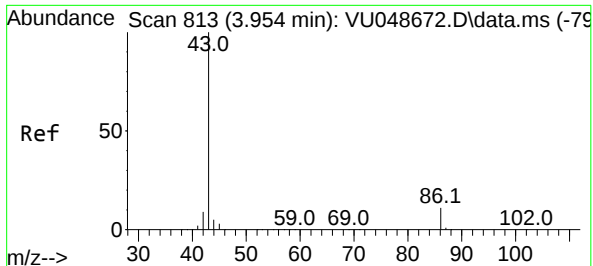
Tgt Ion: 43 Resp: 1212
Ion Ratio Lower Upper
43 100
74 9.7 19.2 28.8#



#20
Methylene Chloride
Concen: 0.246 ug/l
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

Tgt Ion: 84 Resp: 884
Ion Ratio Lower Upper
84 100
49 136.5 97.0 145.4
51 54.5 29.8 44.8#
86 65.6 50.9 76.3

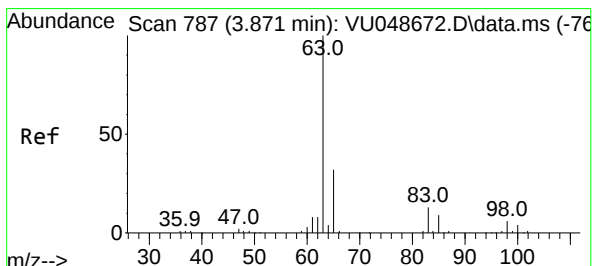
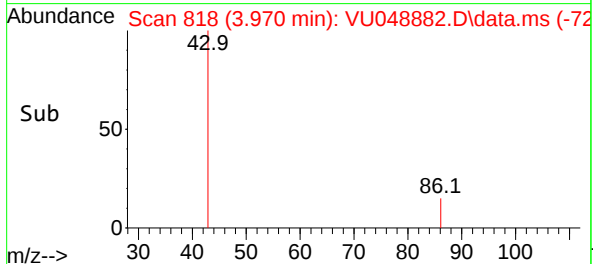
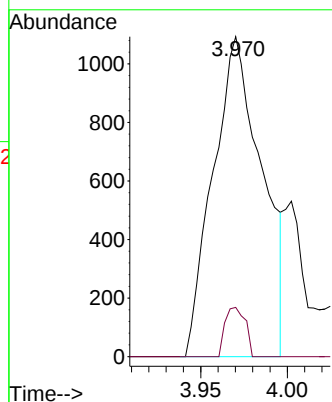
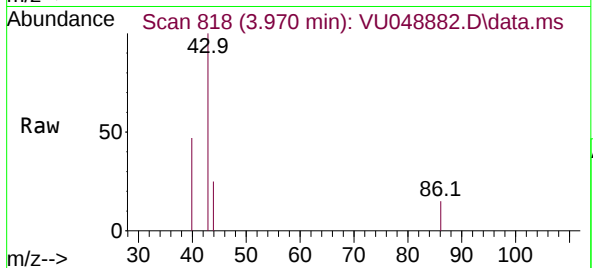




#23
 Vinyl Acetate
 Concen: 0.246 ug/l
 RT: 3.970 min Scan# 813
 Delta R.T. 0.016 min
 Lab File: VU048882.D
 Acq: 06 Jun 2022 15:07

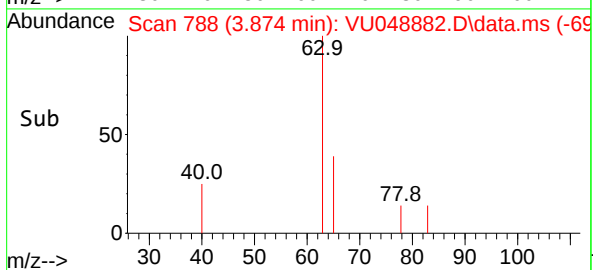
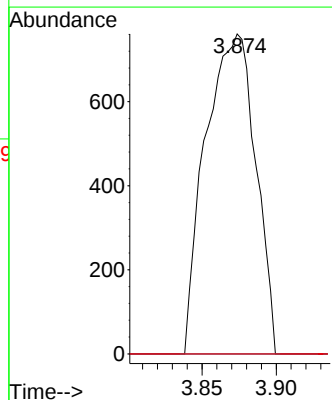
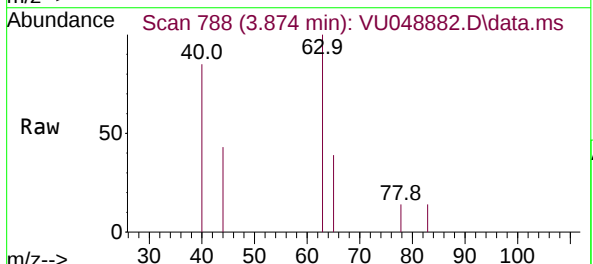
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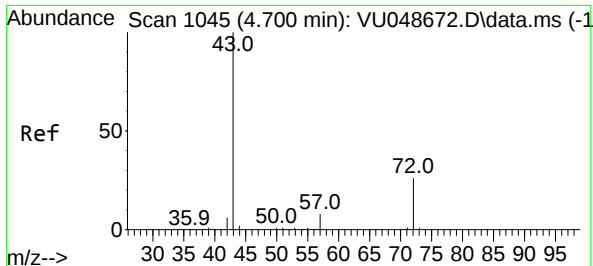
Tgt Ion: 43 Resp: 2144
 Ion Ratio Lower Upper
 43 100
 86 15.4 8.4 12.6#



#24
 1,1-Dichloroethane
 Concen: 0.283 ug/l
 RT: 3.874 min Scan# 788
 Delta R.T. 0.003 min
 Lab File: VU048882.D
 Acq: 06 Jun 2022 15:07

Tgt Ion: 63 Resp: 1784
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.1 9.3#
 100 0.0 2.0 5.8#

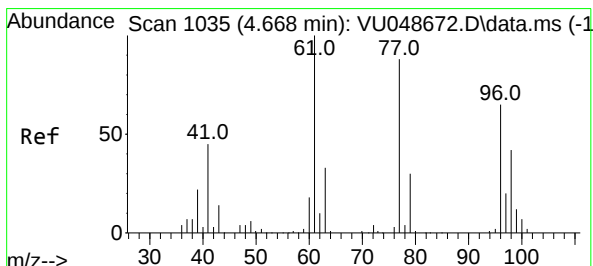
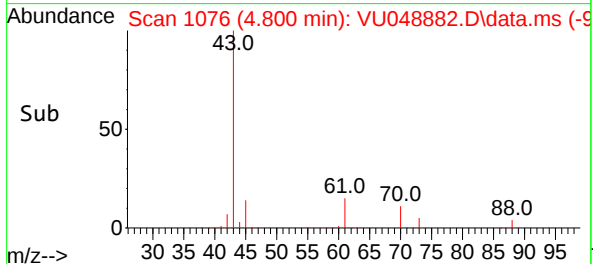
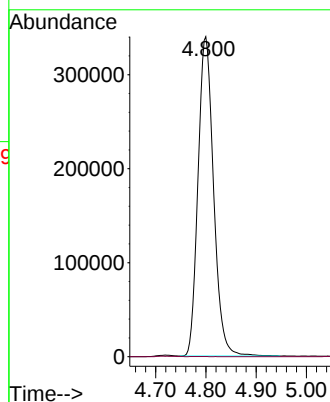
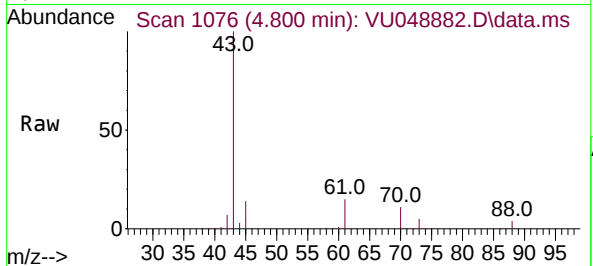




#25
2-Butanone
Concen: 240.456 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.100 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

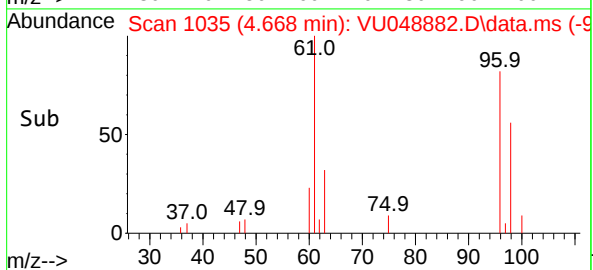
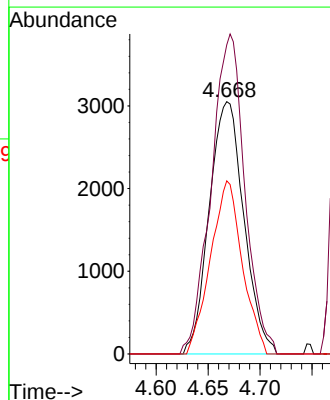
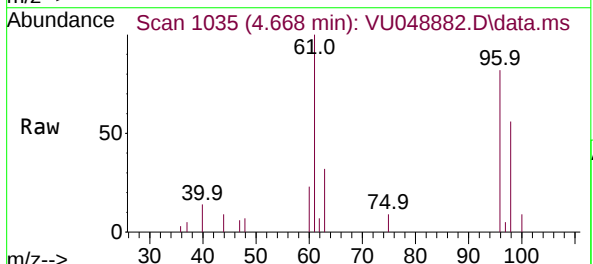
Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

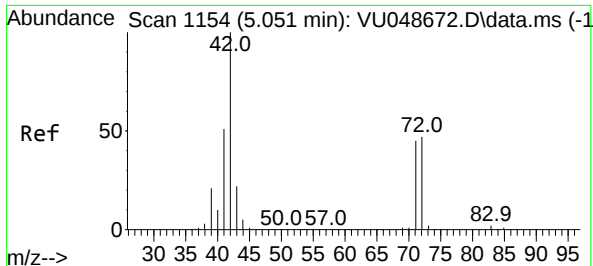
Tgt Ion: 43 Resp: 731036
Ion Ratio Lower Upper
43 100
72 0.1 21.1 31.7#



#27
cis-1,2-Dichloroethene
Concen: 1.897 ug/l
RT: 4.668 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

Tgt Ion: 96 Resp: 7069
Ion Ratio Lower Upper
96 100
61 123.1 0.0 306.2
98 62.9 0.0 130.4





#29

Tetrahydrofuran

Concen: 1.804 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.013 min

Lab File: VU048882.D

Acq: 06 Jun 2022 15:07

Instrument :

MSVOA_U

ClientSampleId :

63BR-20220531

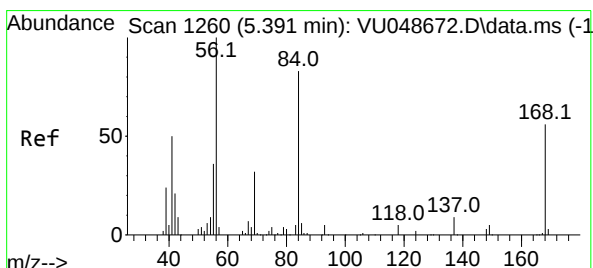
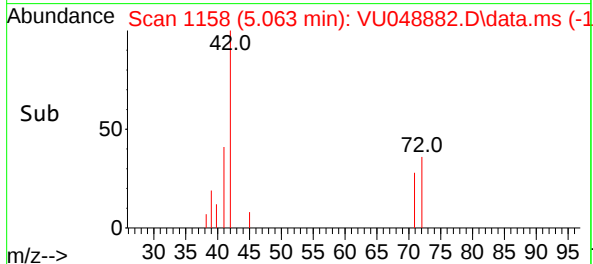
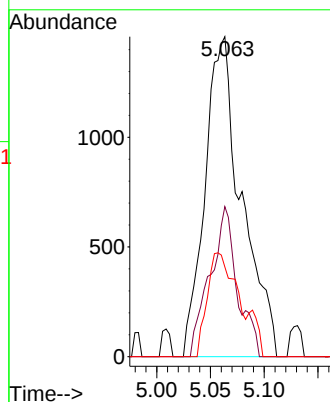
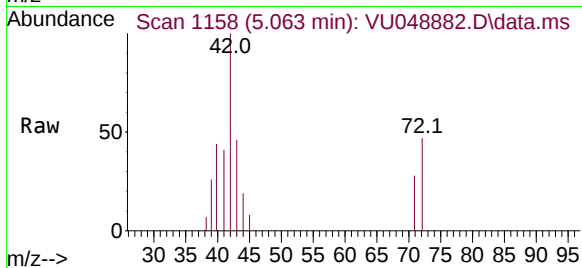
Tgt Ion: 42 Resp: 3455

Ion Ratio Lower Upper

42 100

72 35.0 37.6 56.4#

71 25.3 35.0 52.4#



#31

Cyclohexane

Concen: 1.197 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.023 min

Lab File: VU048882.D

Acq: 06 Jun 2022 15:07

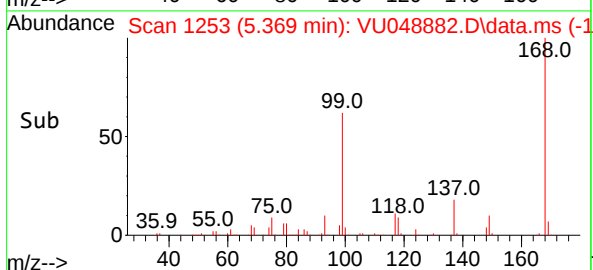
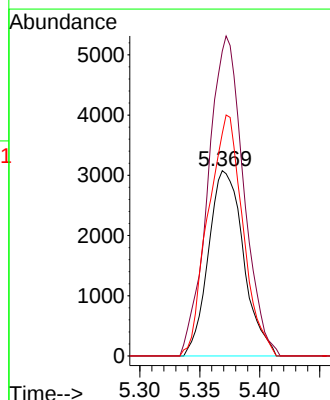
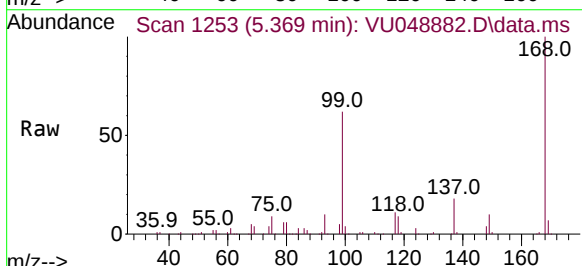
Tgt Ion: 56 Resp: 6264

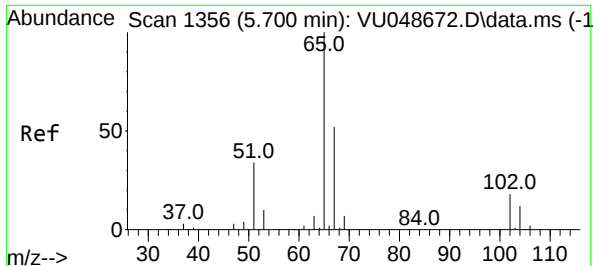
Ion Ratio Lower Upper

56 100

69 164.5 25.6 38.4#

84 120.1 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 49.254 ug/l

RT: 5.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048882.D

Acq: 06 Jun 2022 15:07

Instrument :

MSVOA_U

ClientSampleId :

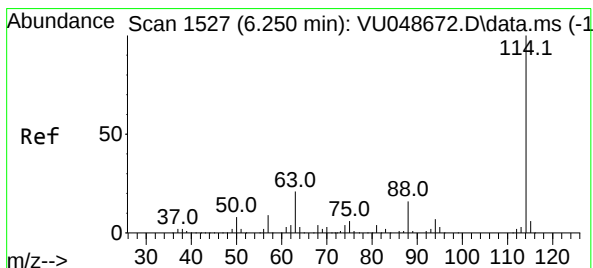
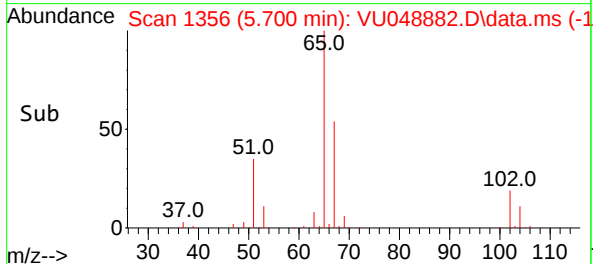
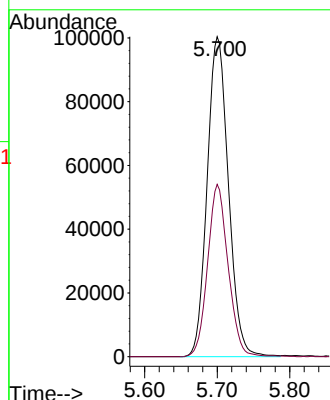
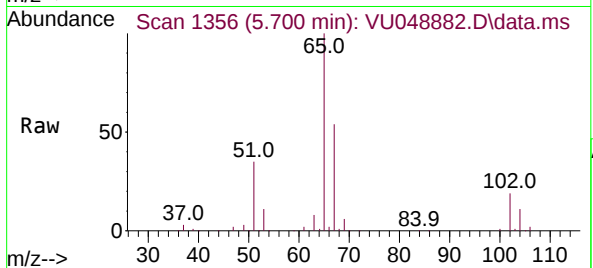
63BR-20220531

Tgt Ion: 65 Resp: 204531

Ion Ratio Lower Upper

65 100

67 52.0 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: VU048882.D

Acq: 06 Jun 2022 15:07

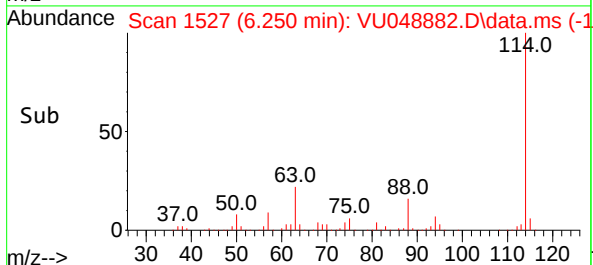
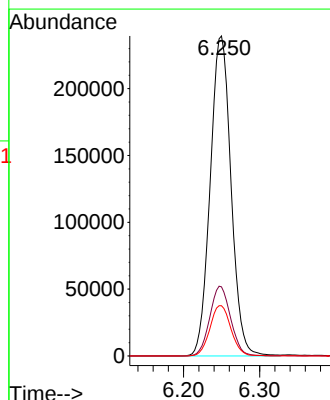
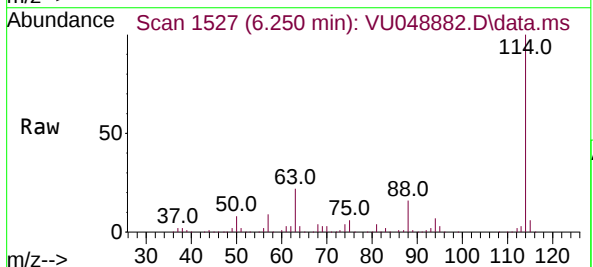
Tgt Ion: 114 Resp: 455022

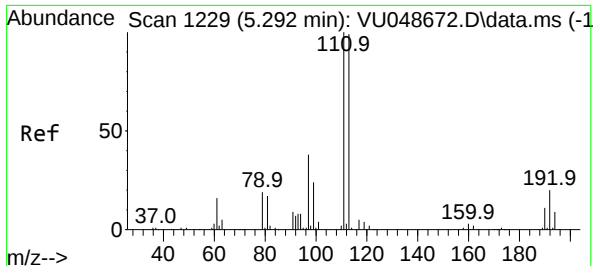
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.6

88 15.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 46.781 ug/l

RT: 5.288 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048882.D

Acq: 06 Jun 2022 15:07

Instrument :

MSVOA_U

ClientSampleId :

63BR-20220531

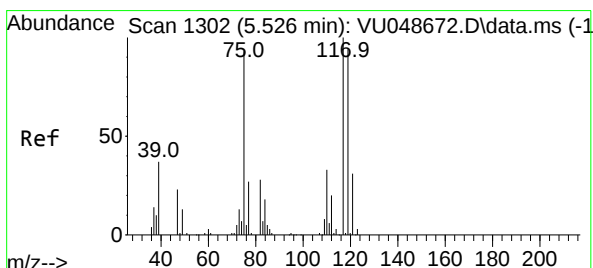
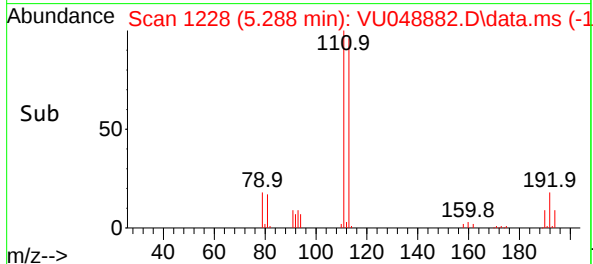
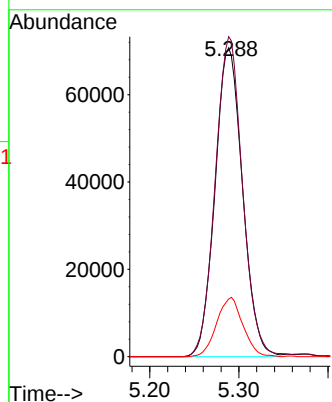
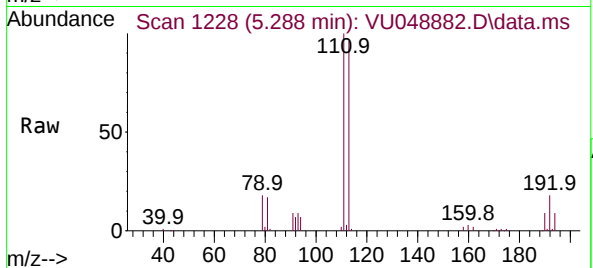
Tgt Ion:113 Resp: 151862

Ion Ratio Lower Upper

113 100

111 102.8 80.7 121.1

192 18.3 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.962 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048882.D

Acq: 06 Jun 2022 15:07

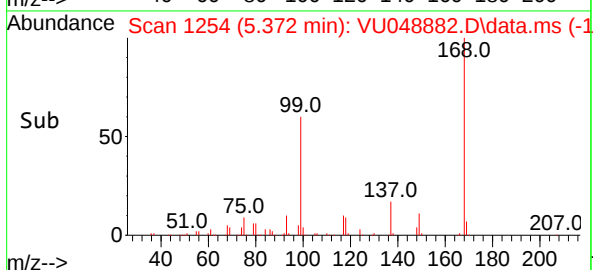
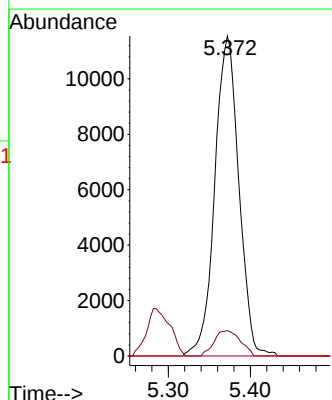
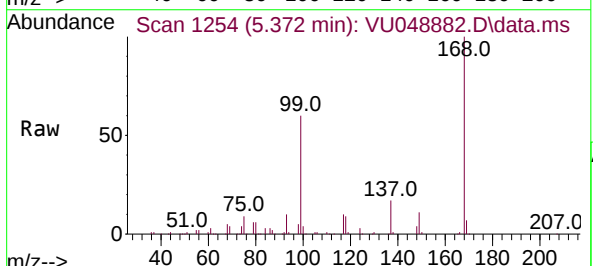
Tgt Ion: 75 Resp: 23510

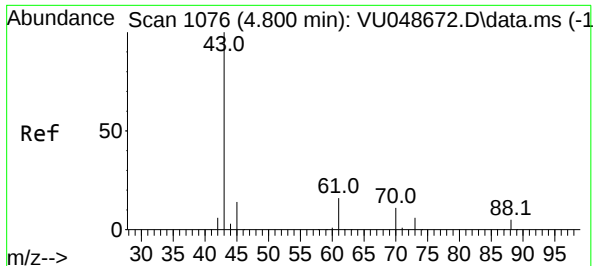
Ion Ratio Lower Upper

75 100

110 8.6 17.4 52.3#

77 0.0 24.8 37.2#

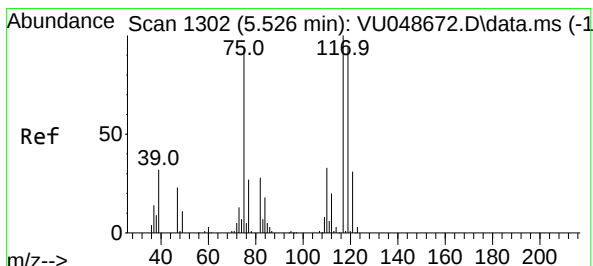
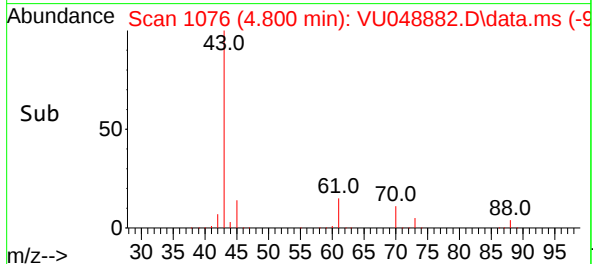
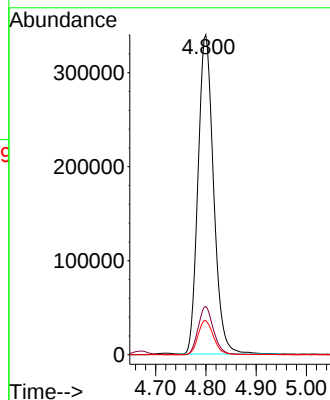
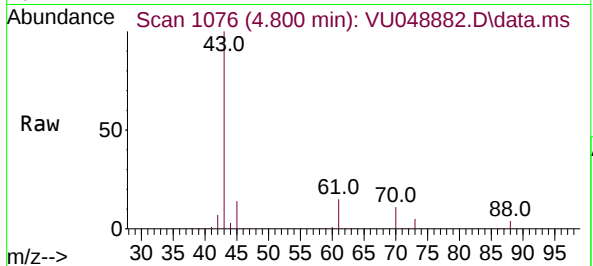




#37
Ethyl Acetate
Concen: 122.053 ug/l
RT: 4.800 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

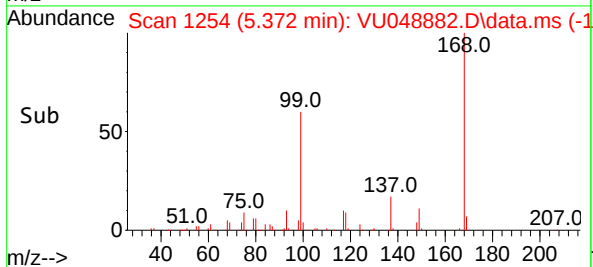
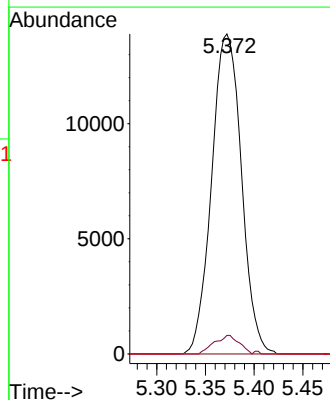
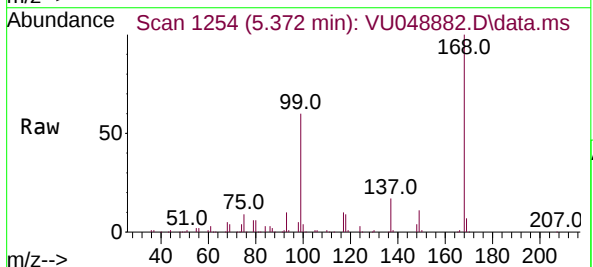
Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

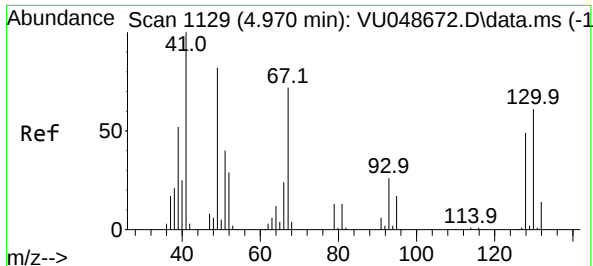
Tgt Ion: 43 Resp: 731036
Ion Ratio Lower Upper
43 100
61 14.9 11.7 17.5
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 5.443 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

Tgt Ion: 117 Resp: 29583
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.2#
121 0.0 24.6 36.8#

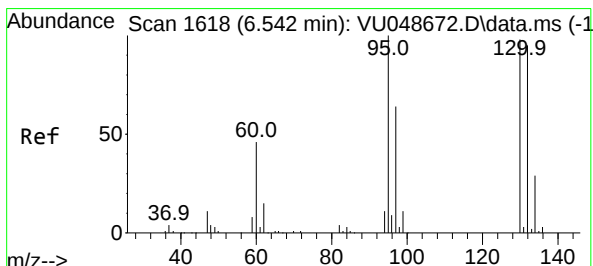
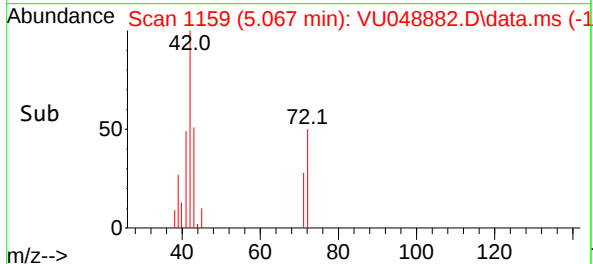
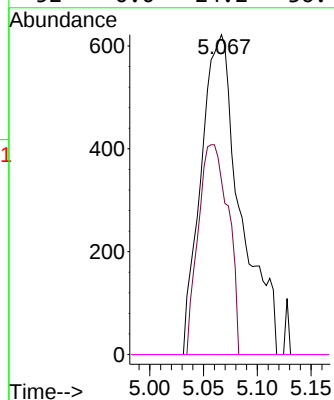
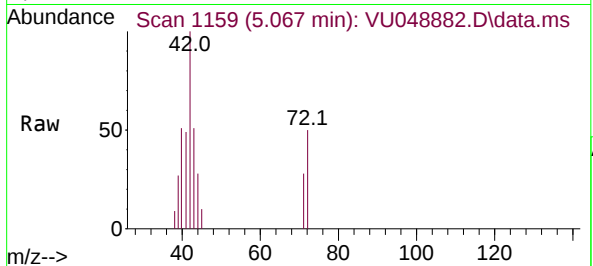




#41
Methacrylonitrile
Concen: 0.526 ug/l
RT: 5.067 min Scan# 1129
Delta R.T. 0.096 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

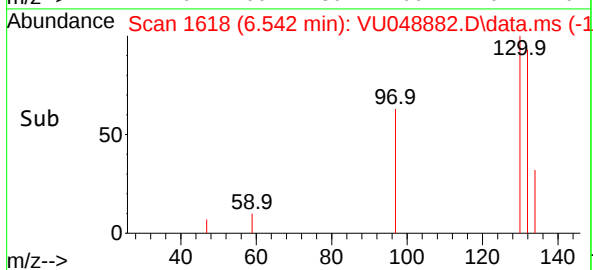
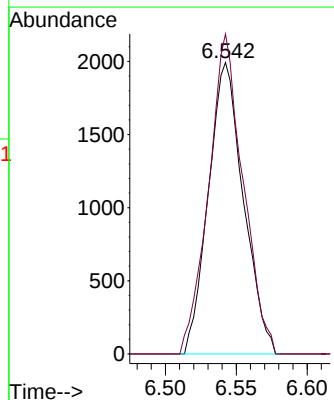
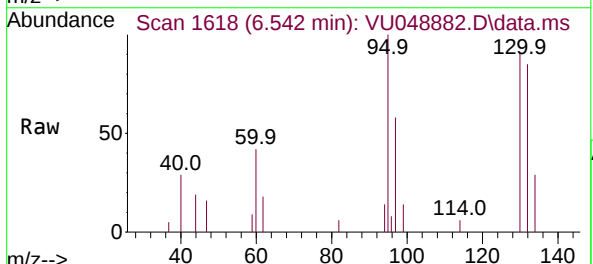
Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

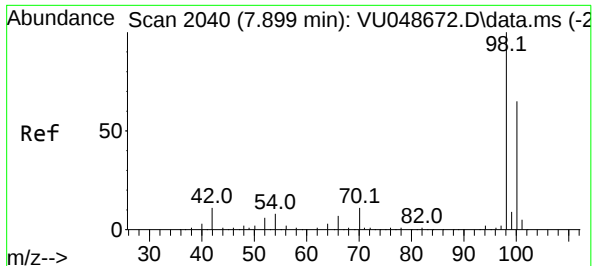
Tgt Ion: 41	Resp:	1593
Ion	Ratio	Lower Upper
41	100	
39	49.5	42.6 64.0
67	0.0	61.0 91.4#
52	0.0	24.2 36.4#



#44
Trichloroethene
Concen: 0.949 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

Tgt Ion: 130	Resp:	3419
Ion	Ratio	Lower Upper
130	100	
95	109.8	0.0 204.8

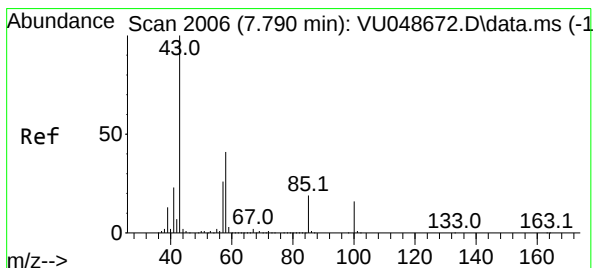
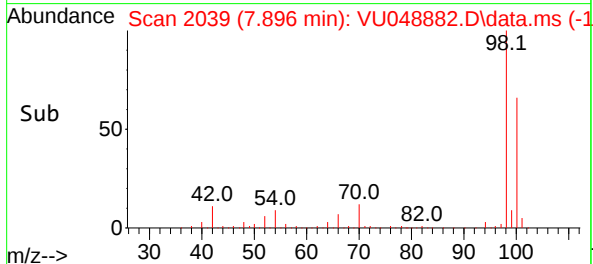
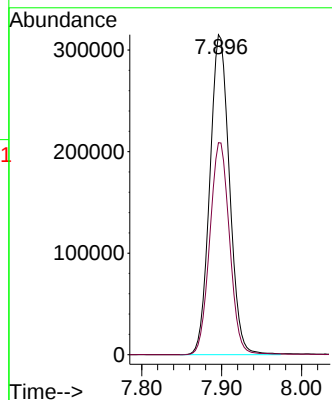
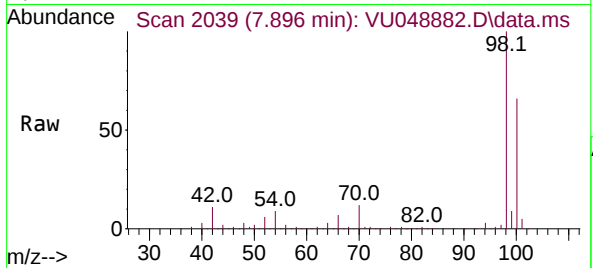




#50
Toluene-d8
Concen: 46.225 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

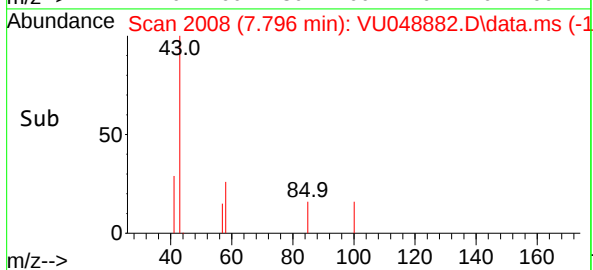
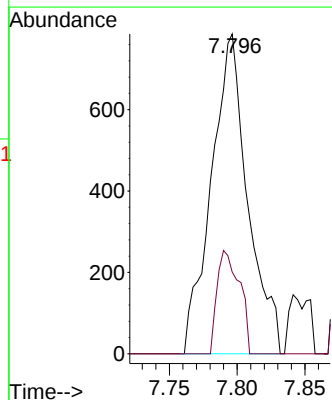
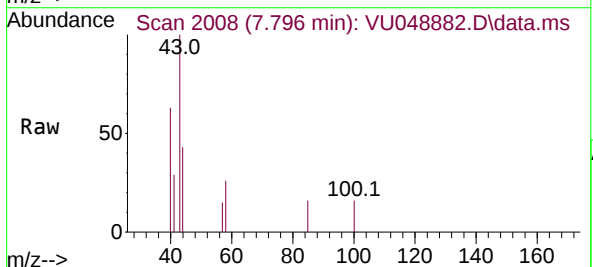
Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

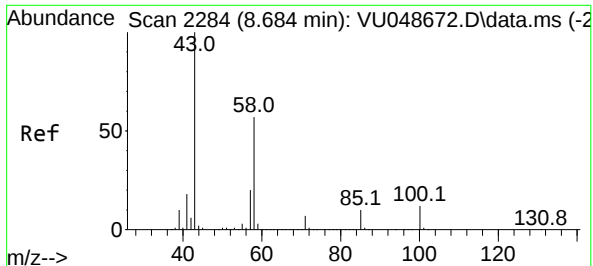
Tgt Ion: 98 Resp: 537904
Ion Ratio Lower Upper
98 100
100 66.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.261 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. 0.006 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

Tgt Ion: 43 Resp: 1472
Ion Ratio Lower Upper
43 100
58 19.8 32.7 49.1#





#59

2-Hexanone

Concen: 0.243 ug/l

RT: 8.697 min Scan# 21

Delta R.T. 0.013 min

Lab File: VU048882.D

Acq: 06 Jun 2022 15:07

Instrument :

MSVOA_U

ClientSampleId :

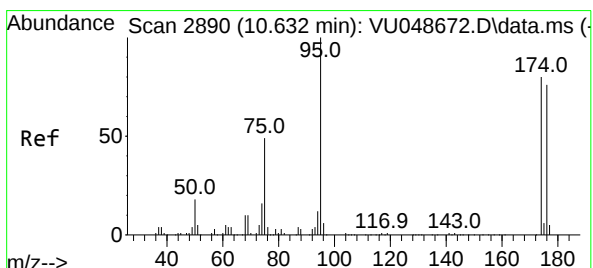
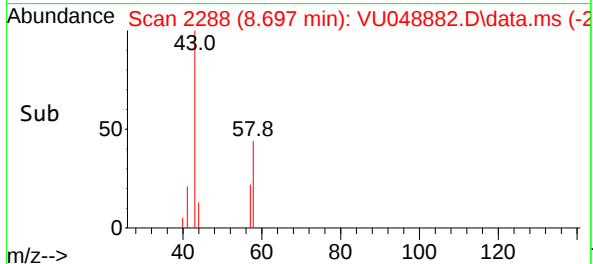
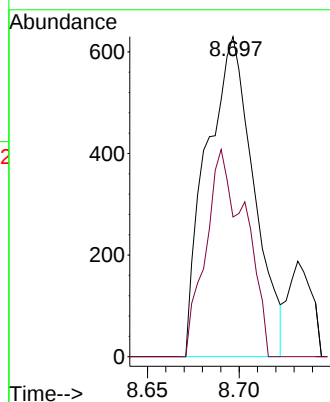
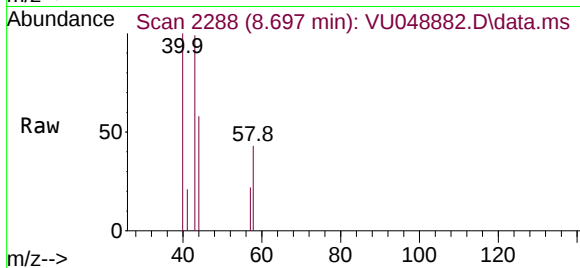
63BR-20220531

Tgt Ion: 43 Resp: 1126

Ion Ratio Lower Upper

43 100

58 54.6 28.2 84.6



#62

4-Bromofluorobenzene

Concen: 45.466 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.000 min

Lab File: VU048882.D

Acq: 06 Jun 2022 15:07

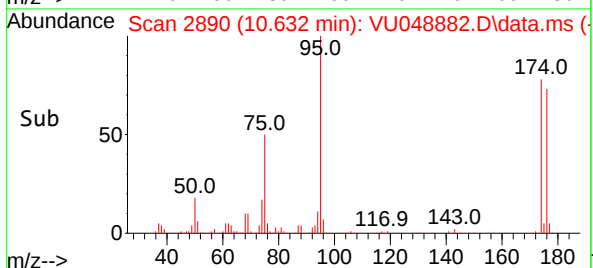
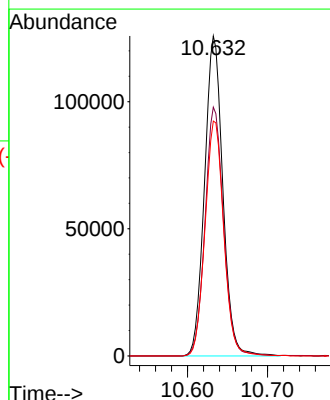
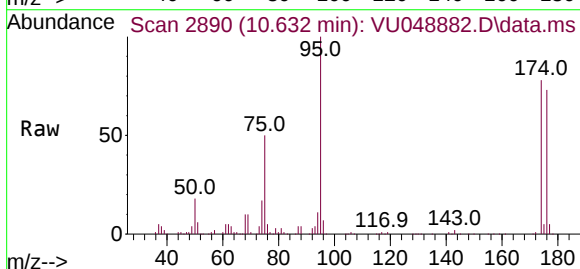
Tgt Ion: 95 Resp: 200090

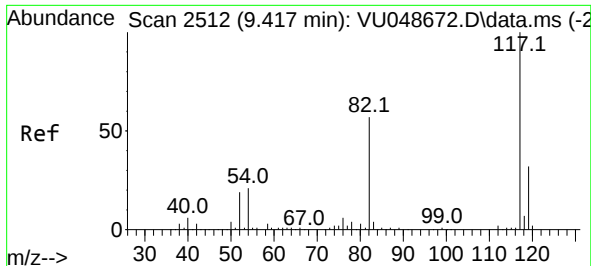
Ion Ratio Lower Upper

95 100

174 78.7 0.0 159.4

176 75.2 0.0 152.4

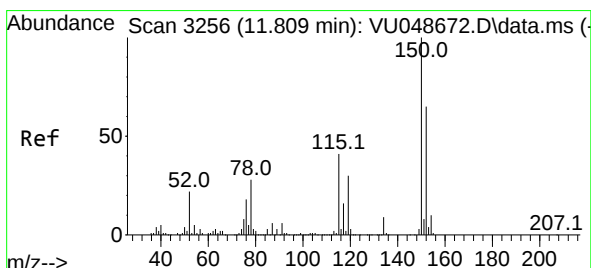
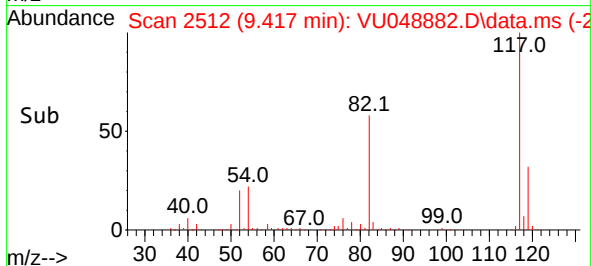
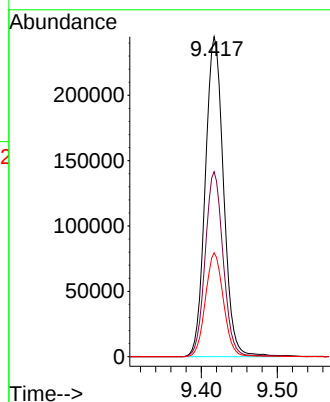
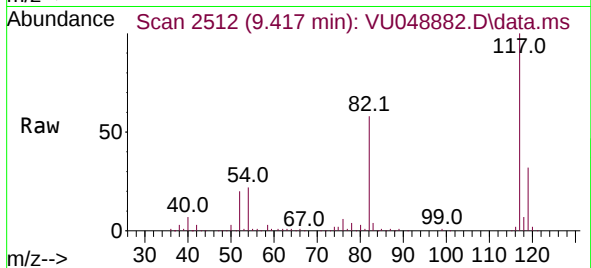




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

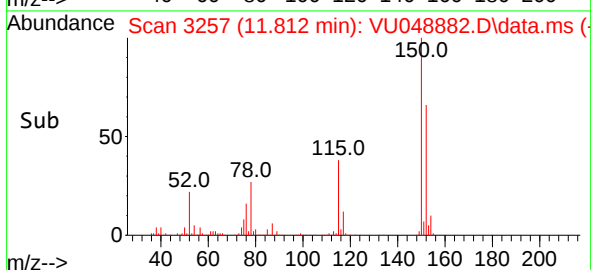
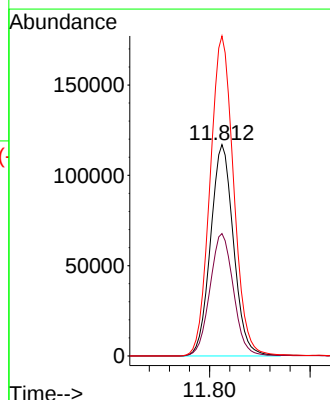
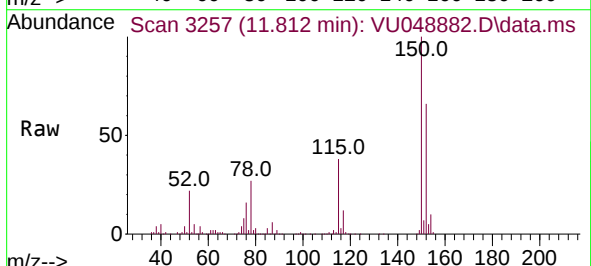
Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

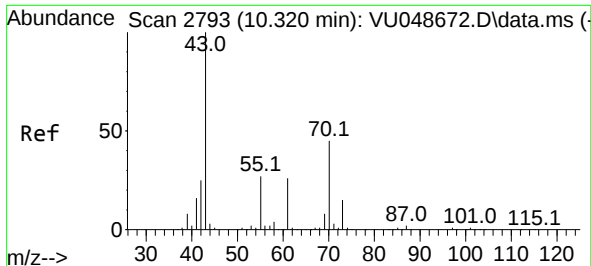
Tgt Ion:117 Resp: 409142
Ion Ratio Lower Upper
117 100
82 57.8 45.3 67.9
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

Tgt Ion:152 Resp: 185717
Ion Ratio Lower Upper
152 100
115 59.3 41.8 125.4
150 155.7 0.0 341.0

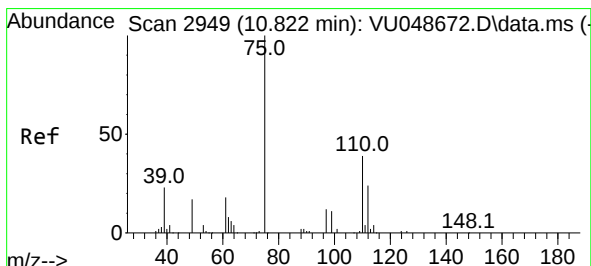
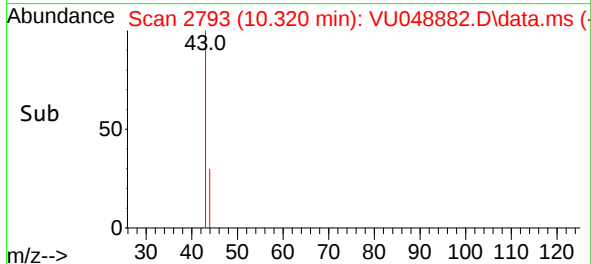
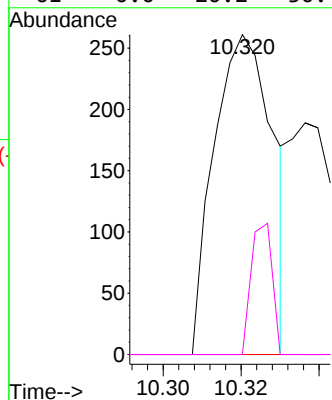
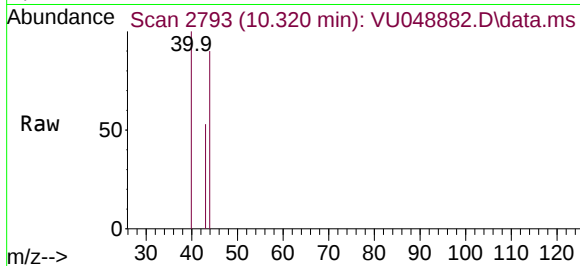




#74
N-amy1 acetate
Concen: 2.510 ug/l
RT: 10.320 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

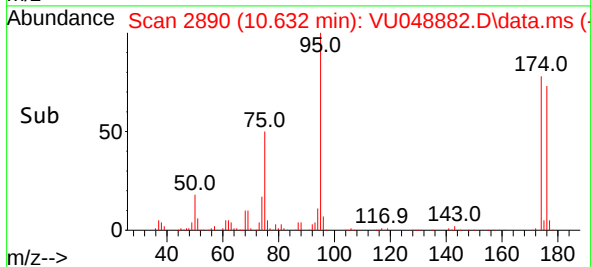
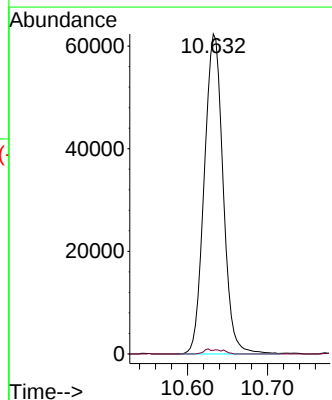
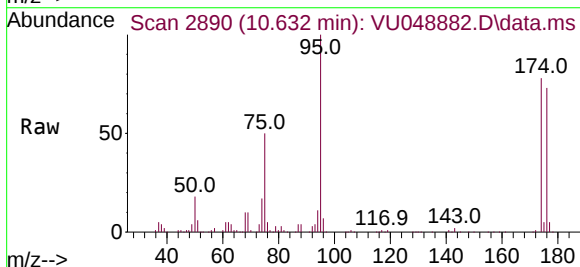
Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

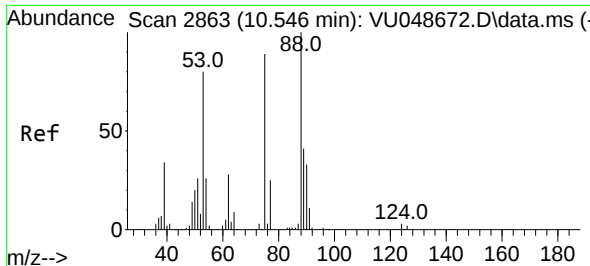
Tgt Ion: 43	Resp: 273
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 17.054 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

Tgt Ion: 75	Resp: 102119
Ion Ratio	Lower Upper
75 100	
77 0.7	14.8 44.3#

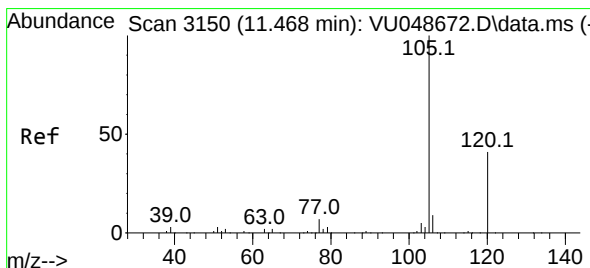
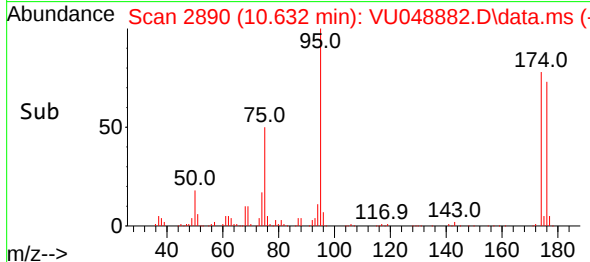
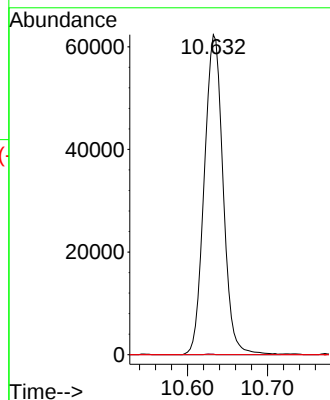
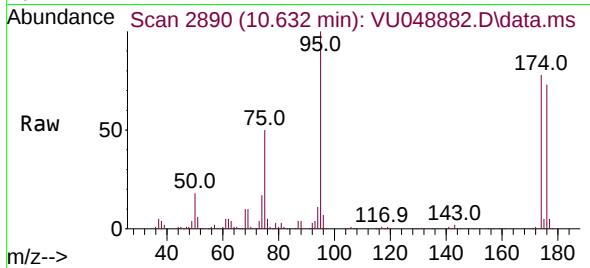




#81
trans-1,4-Dichloro-2-butene
Concen: 61.921 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

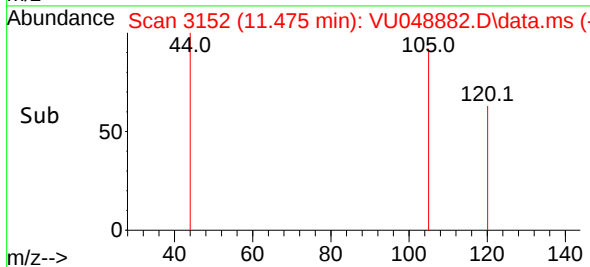
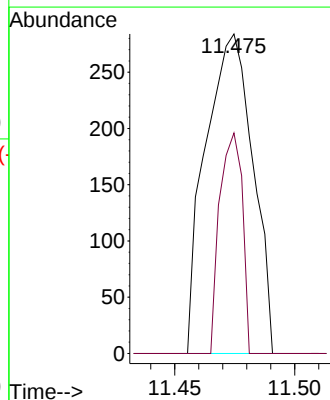
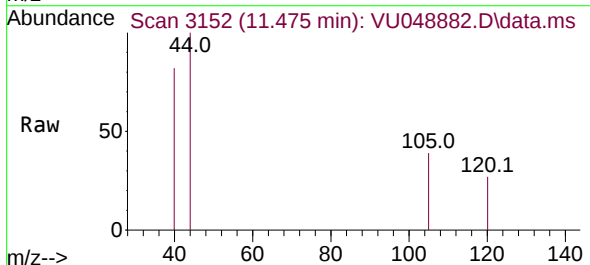
Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

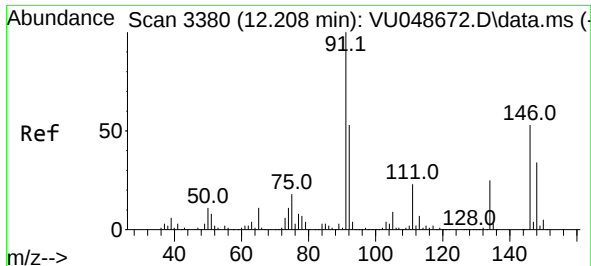
Tgt Ion: 75 Resp: 102119
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.221 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.007 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

Tgt Ion: 105 Resp: 388
Ion Ratio Lower Upper
105 100
120 33.0 22.5 67.5

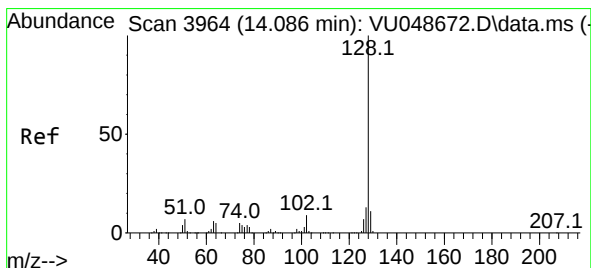
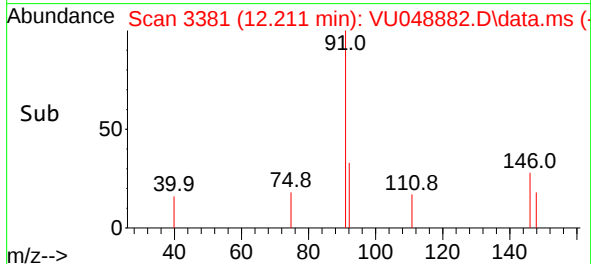
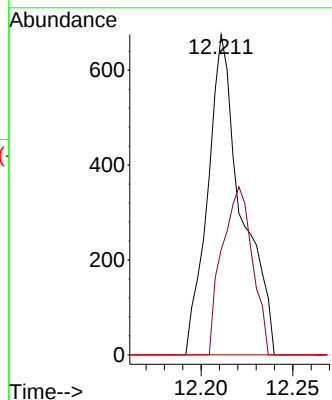
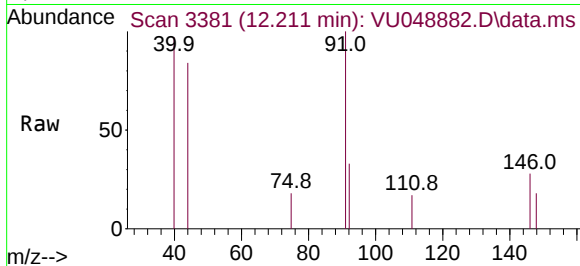




#89
n-Butylbenzene
Concen: 2.262 ug/l
RT: 12.211 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

Instrument :
MSVOA_U
ClientSampleId :
63BR-20220531

Tgt Ion: 91 Resp: 864
Ion Ratio Lower Upper
91 100
92 46.9 25.9 77.8
134 0.0 12.5 37.5#



#95
Naphthalene
Concen: 2.884 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.016 min
Lab File: VU048882.D
Acq: 06 Jun 2022 15:07

Tgt Ion: 128 Resp: 5404
Ion Ratio Lower Upper
128 100
127 4.3 10.2 15.4#
129 5.9 8.7 13.1#

