

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048832.D
 Acq On : 03 Jun 2022 03:15
 Operator : SY/MD
 Sample : N3112-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MH-118.5N-20220527

Quant Time: Jun 03 04:06:13 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)

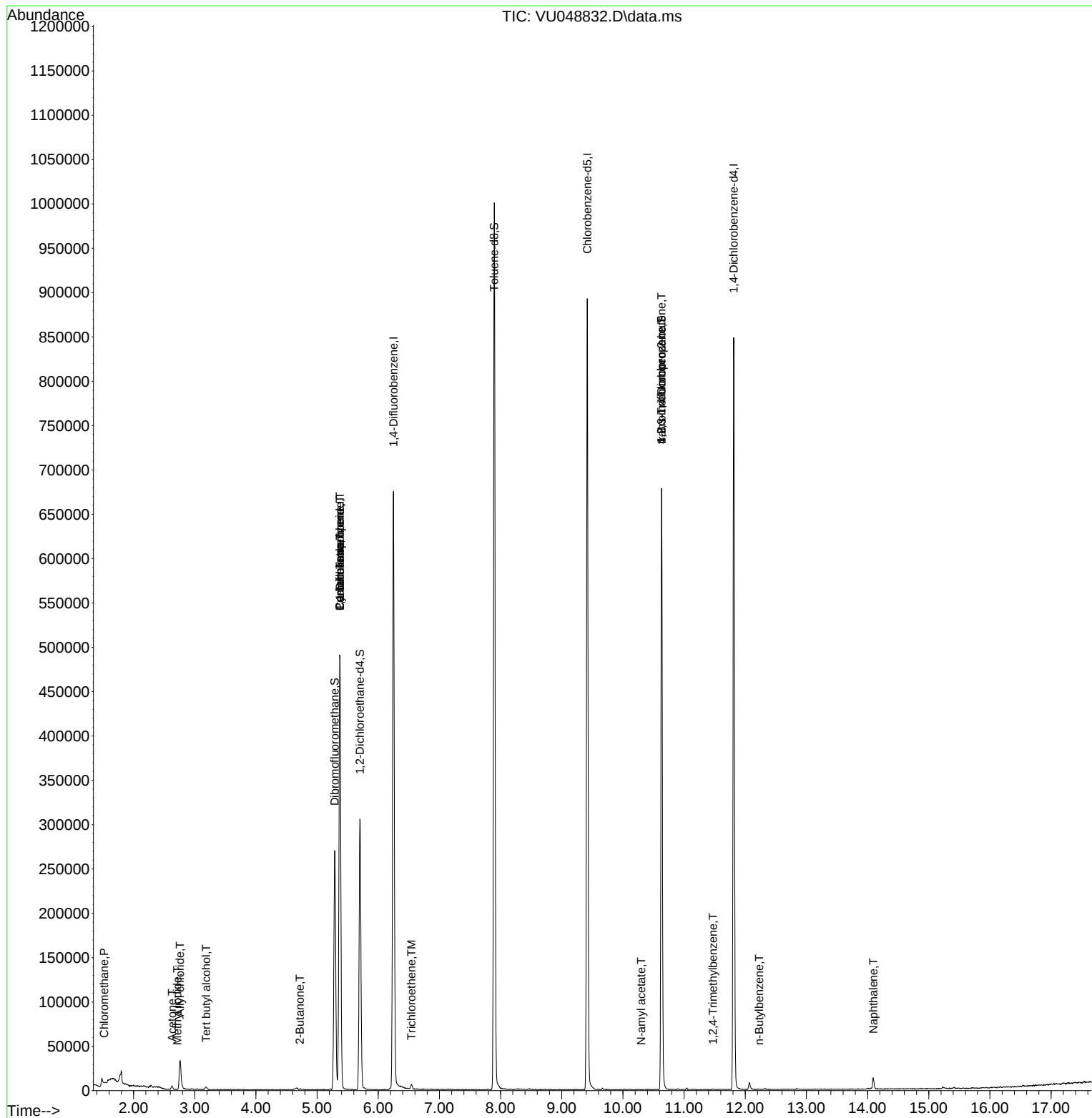
Internal Standards						
1) Pentafluorobenzene	5.372	168	334247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	539253	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	491826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	227169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	233294	46.475	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.960%		
35) Dibromofluoromethane	5.288	113	176455	45.866	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.740%		
50) Toluene-d8	7.896	98	663564	48.117	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.240%		
62) 4-Bromofluorobenzene	10.632	95	229270	43.959	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.920%		
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	1270	0.258	ug/l #	81
5) Bromomethane	1.838	94	133	Below Cal		98
6) Chloroethane	1.932	64	173	Below Cal #		43
10) Methyl Iodide	2.713	142	90	3.020	ug/l #	37
11) Tert butyl alcohol	3.186	59	2343	1.841	ug/l #	28
13) Acrolein	2.491	56	158	Below Cal #		14
14) Allyl chloride	2.758	41	4218	0.640	ug/l #	67
16) Acetone	2.629	43	4314	1.686	ug/l	92
25) 2-Butanone	4.719	43	1000	0.272	ug/l	95
31) Cyclohexane	5.372	56	6791	1.073	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	28182	5.019	ug/l #	49
38) Carbon Tetrachloride	5.372	117	34968	5.428	ug/l #	17
44) Trichloroethene	6.542	130	1746	0.409	ug/l	88
74) N-amyl acetate	10.301	43	21	2.470	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	118505	16.179	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	118505	58.745	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.471	105	446	1.219	ug/l #	38
89) n-Butylbenzene	12.227	91	48	2.189	ug/l #	34
95) Naphthalene	14.095	128	11576	3.147	ug/l	99

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

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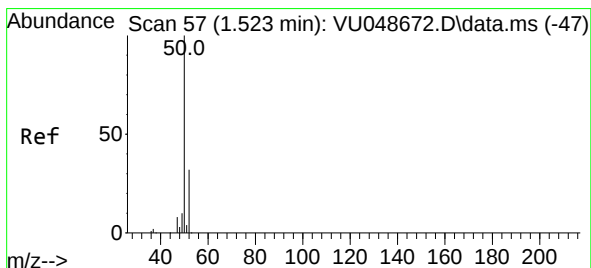
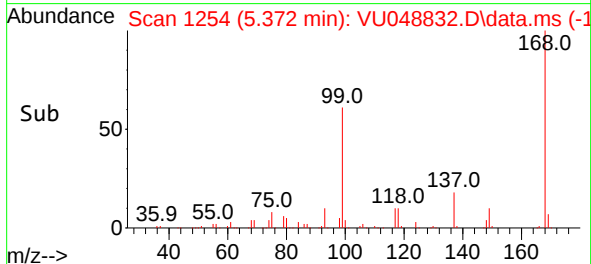
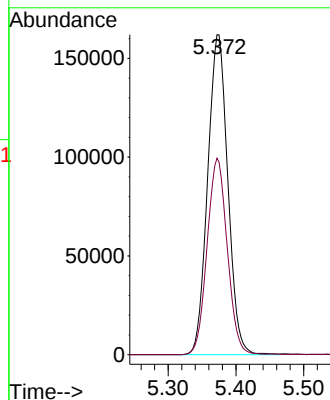
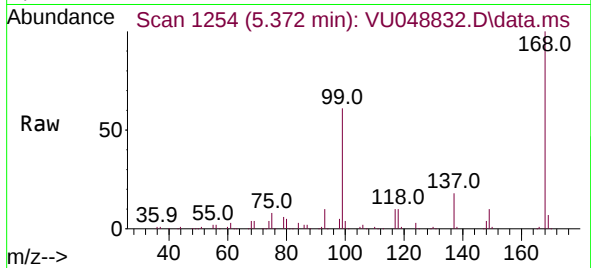




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

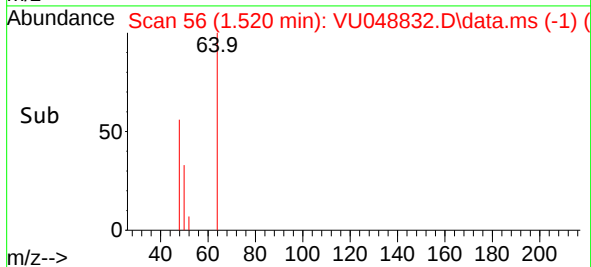
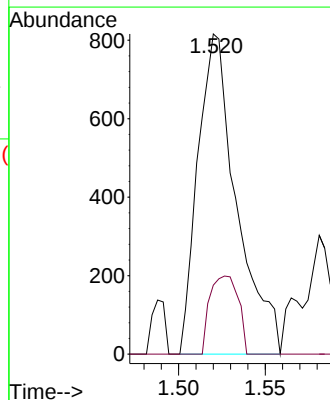
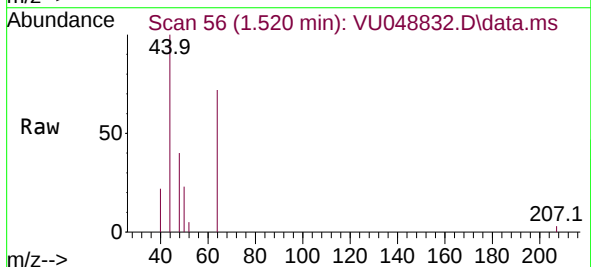
Instrument :
MSVOA_U
ClientSampleId :
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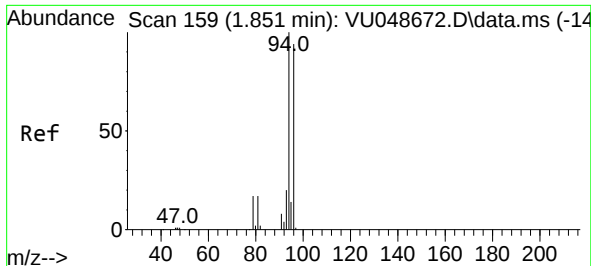
Tgt Ion:168 Resp: 334247
Ion Ratio Lower Upper
168 100
99 61.4 49.3 73.9



#3
Chloromethane
Concen: 0.258 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

Tgt Ion: 50 Resp: 1270
Ion Ratio Lower Upper
50 100
52 21.6 25.7 38.5#

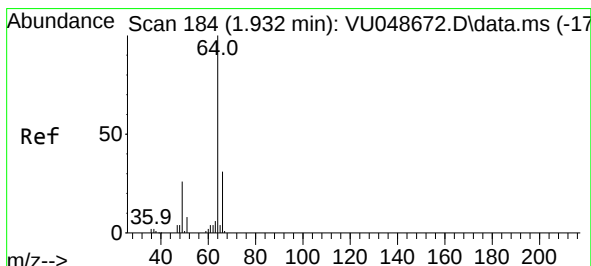
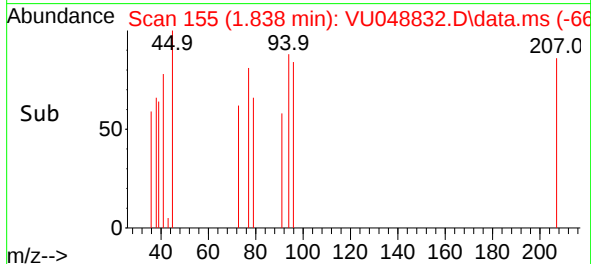
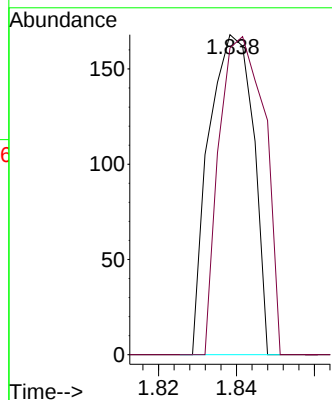
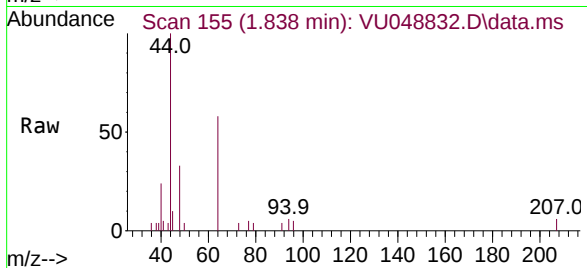




#5
Bromomethane
Concen: Below Cal
RT: 1.838 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

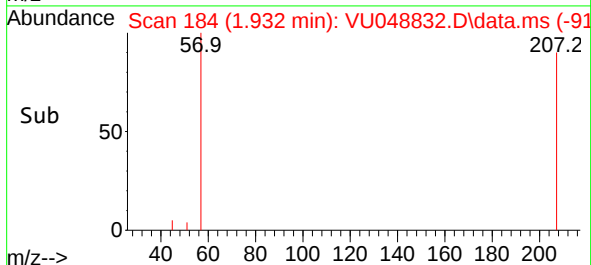
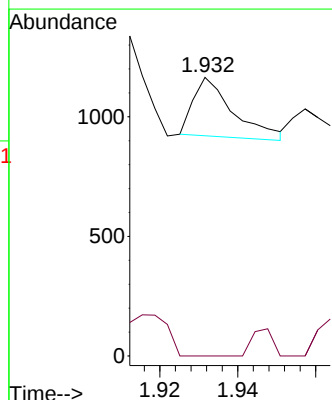
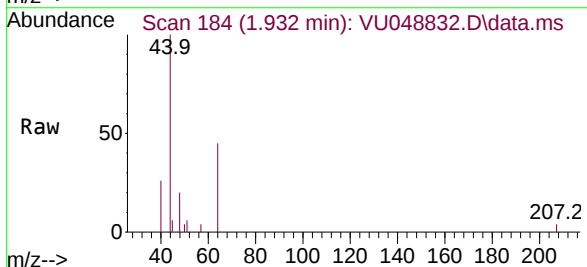
Instrument :
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ClientSampleId :
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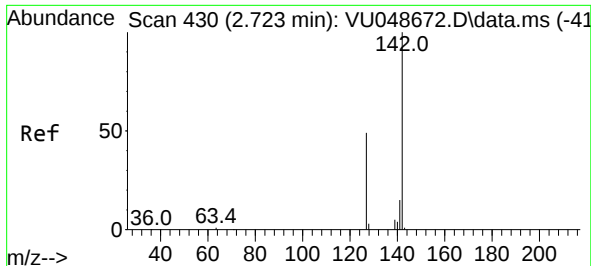
Tgt Ion: 94 Resp: 133
Ion Ratio Lower Upper
94 100
96 95.8 75.1 112.7



#6
Chloroethane
Concen: Below Cal
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

Tgt Ion: 64 Resp: 173
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

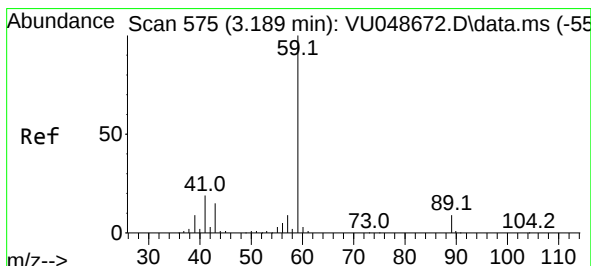
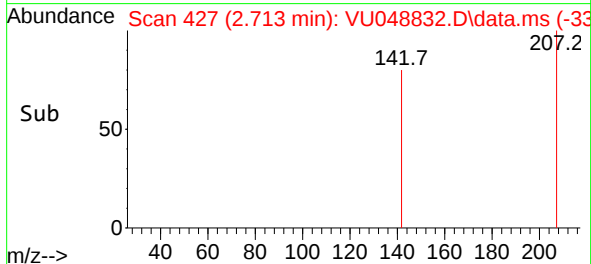
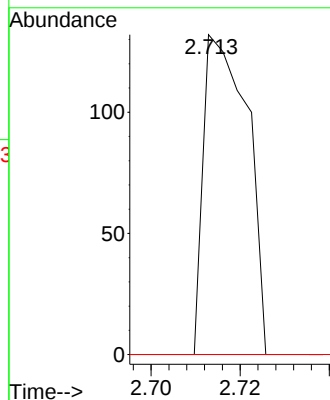
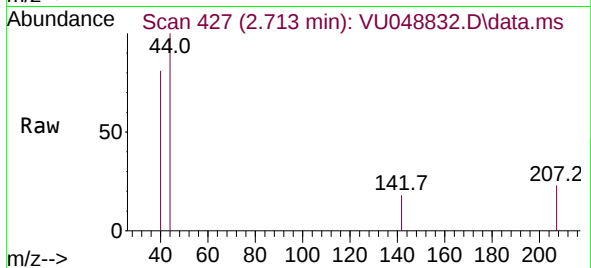




#10
Methyl Iodide
Concen: 3.020 ug/l
RT: 2.713 min Scan# 41
Delta R.T. -0.010 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

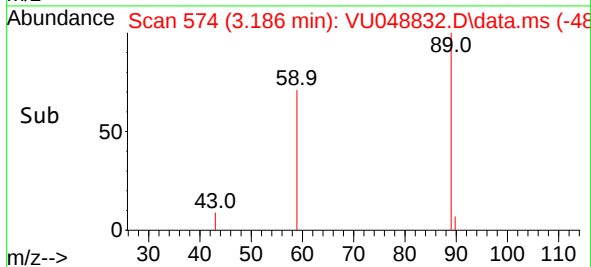
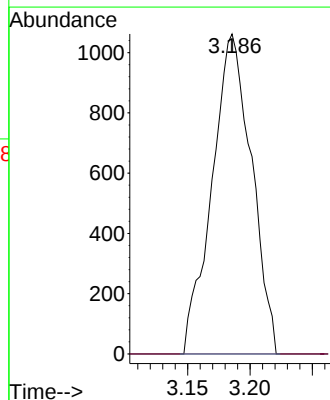
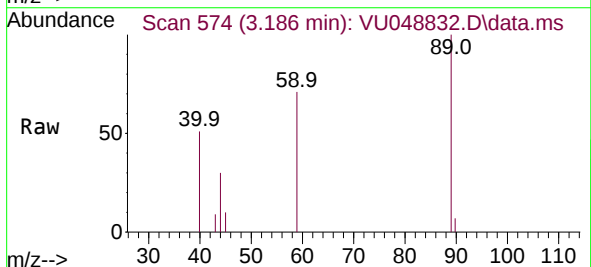
Instrument :
MSVOA_U
ClientSampleId :
MH-118.5N-20220527

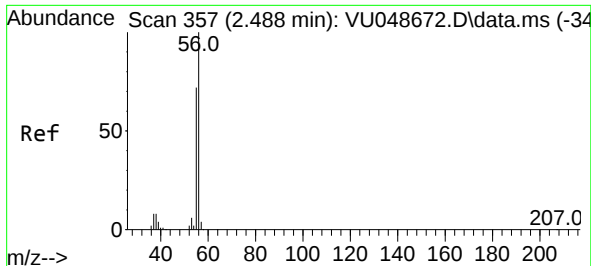
Tgt Ion:142 Resp: 90
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.841 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.003 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

Tgt Ion: 59 Resp: 2343
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#





#13

Acrolein

Concen: Below Cal

RT: 2.491 min Scan# 3

Delta R.T. 0.003 min

Lab File: VU048832.D

Acq: 03 Jun 2022 03:15

Instrument :

MSVOA_U

ClientSampleId :

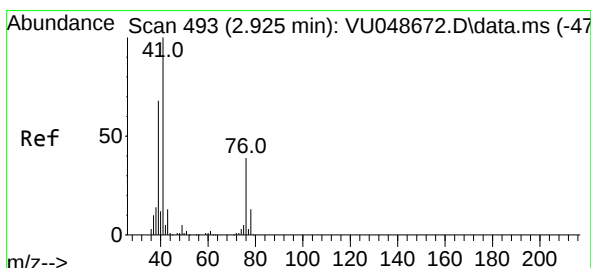
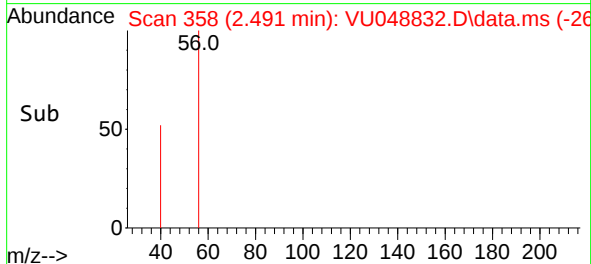
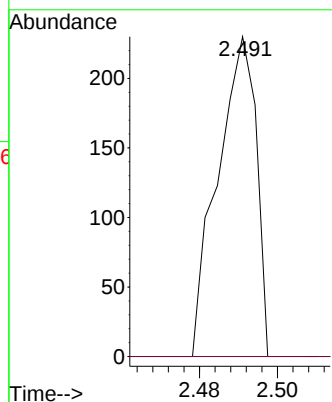
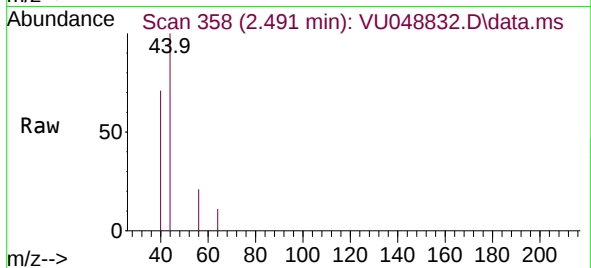
MH-118.5N-20220527

Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

56 100

55 0.0 57.7 86.5#



#14

Allyl chloride

Concen: 0.640 ug/l

RT: 2.758 min Scan# 441

Delta R.T. -0.167 min

Lab File: VU048832.D

Acq: 03 Jun 2022 03:15

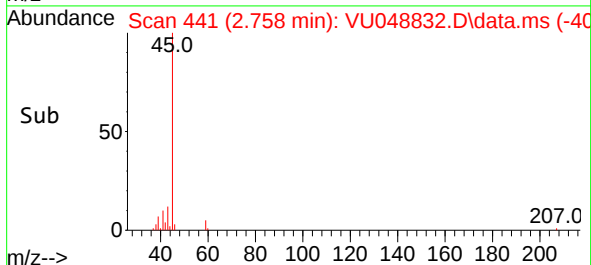
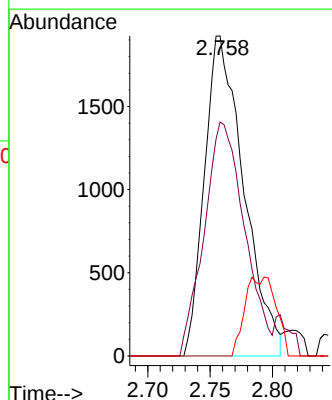
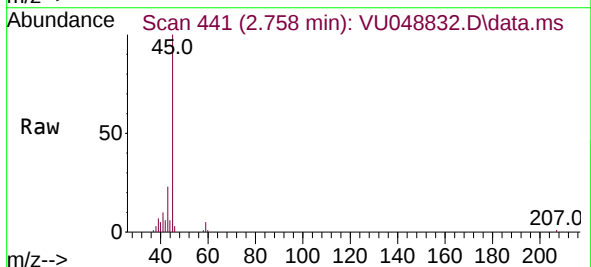
Tgt Ion: 41 Resp: 4218

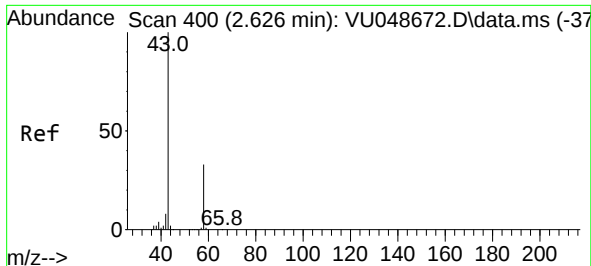
Ion Ratio Lower Upper

41 100

39 75.2 48.6 72.8#

76 0.0 27.0 40.4#

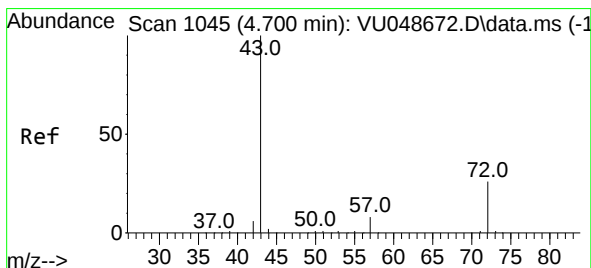
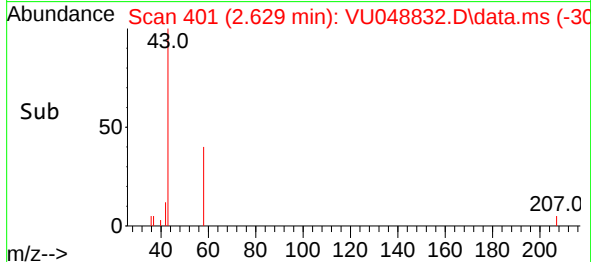
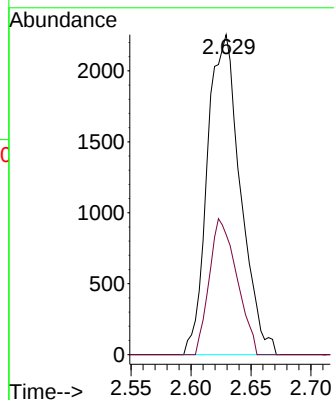
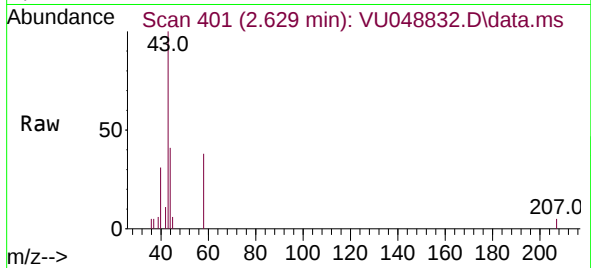




#16
Acetone
Concen: 1.686 ug/l
RT: 2.629 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

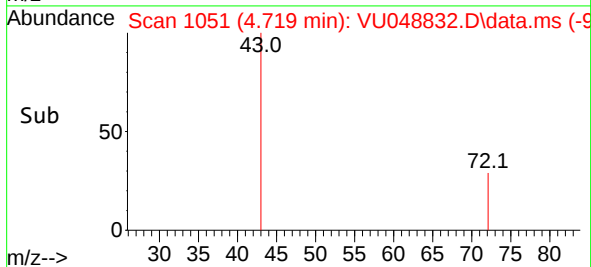
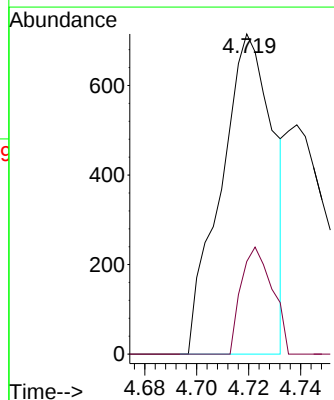
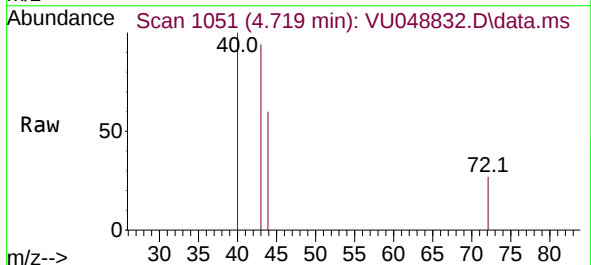
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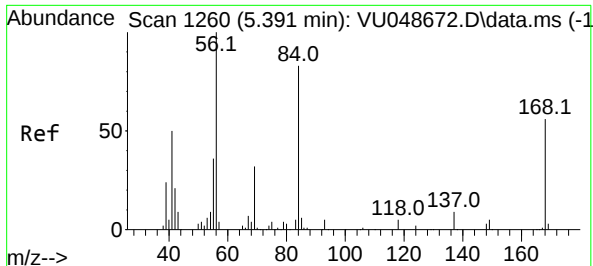
Tgt Ion: 43 Resp: 4314
Ion Ratio Lower Upper
43 100
58 37.6 26.3 39.5



#25
2-Butanone
Concen: 0.272 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.019 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
72 29.0 21.1 31.7





#31

Cyclohexane

Concen: 1.073 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048832.D

Acq: 03 Jun 2022 03:15

Instrument :

MSVOA_U

ClientSampleId :

MH-118.5N-20220527

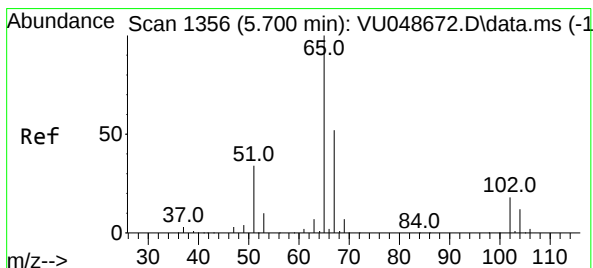
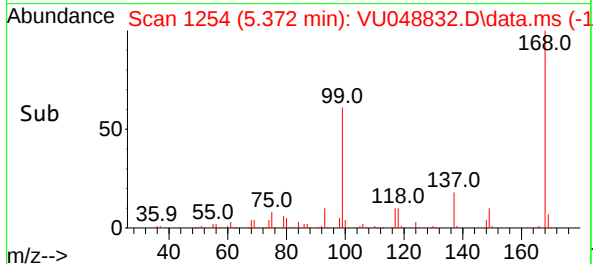
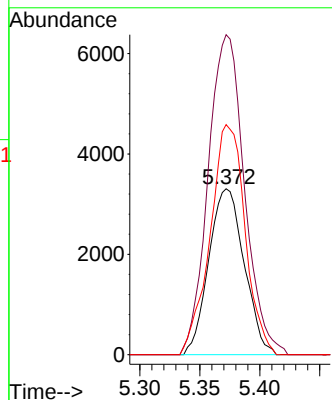
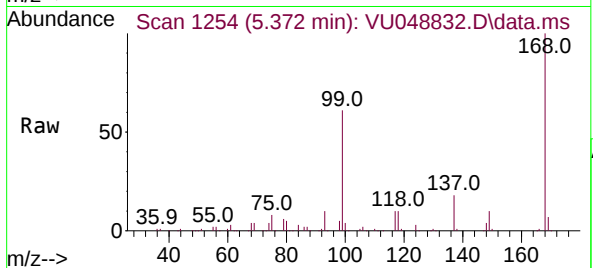
Tgt Ion: 56 Resp: 6791

Ion Ratio Lower Upper

56 100

69 192.9 25.6 38.4#

84 138.7 66.2 99.4#



#33

1,2-Dichloroethane-d4

Concen: 46.475 ug/l

RT: 5.700 min Scan# 1356

Delta R.T. -0.000 min

Lab File: VU048832.D

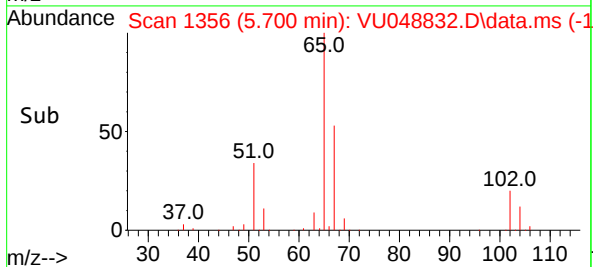
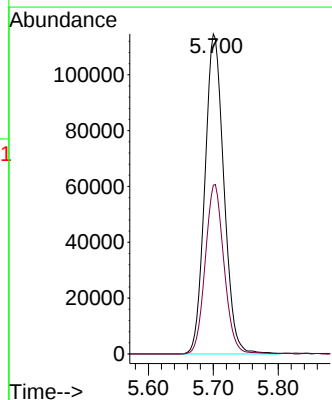
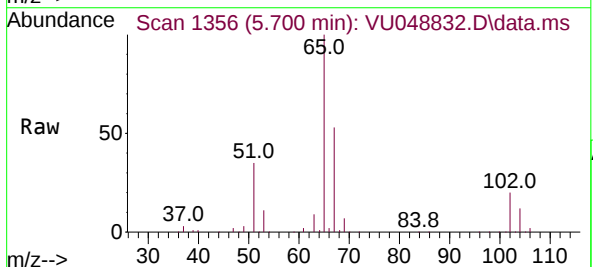
Acq: 03 Jun 2022 03:15

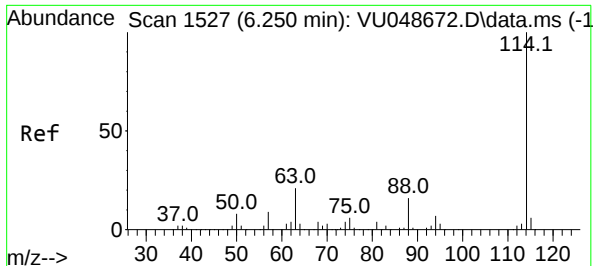
Tgt Ion: 65 Resp: 233294

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# 11

Delta R.T. -0.000 min

Lab File: VU048832.D

Acq: 03 Jun 2022 03:15

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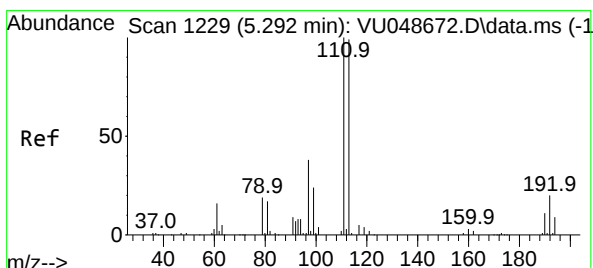
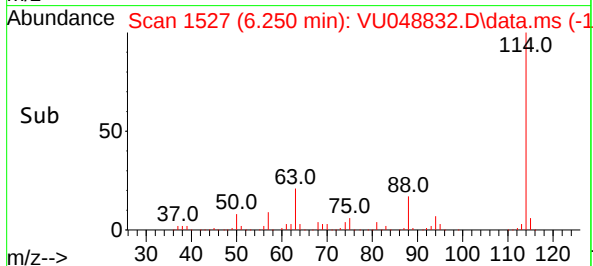
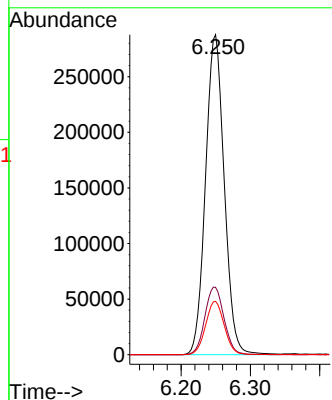
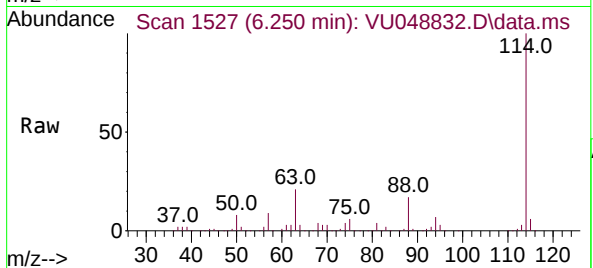
Tgt Ion:114 Resp: 539253

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

88 16.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 45.866 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048832.D

Acq: 03 Jun 2022 03:15

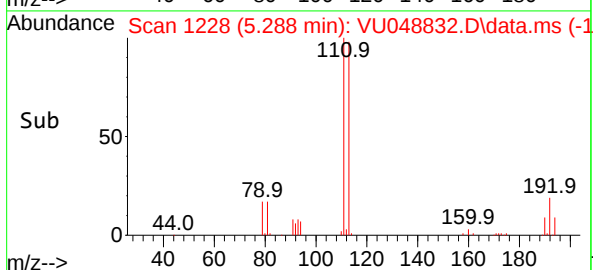
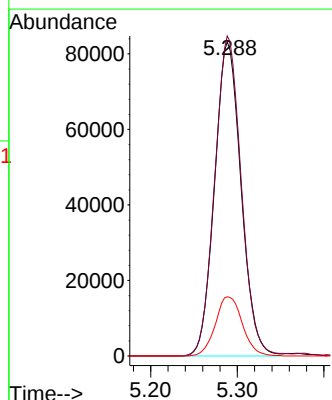
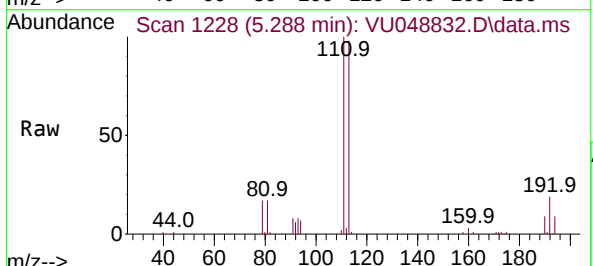
Tgt Ion:113 Resp: 176455

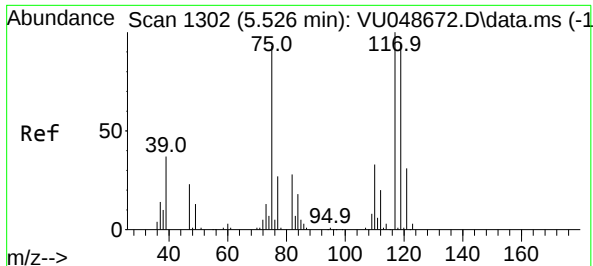
Ion Ratio Lower Upper

113 100

111 102.2 80.7 121.1

192 19.2 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.019 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.154 min

Lab File: VU048832.D

Acq: 03 Jun 2022 03:15

Instrument :

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MH-118.5N-20220527

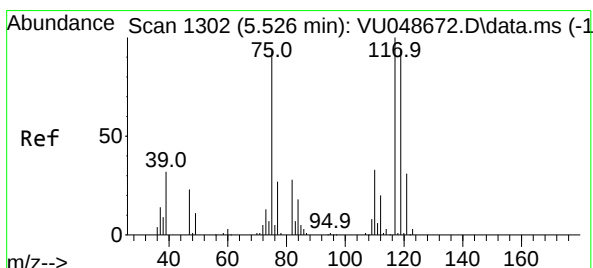
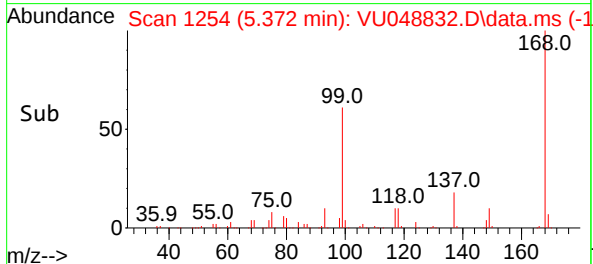
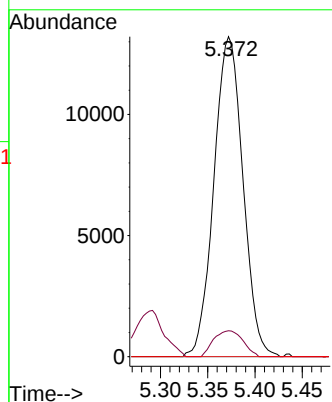
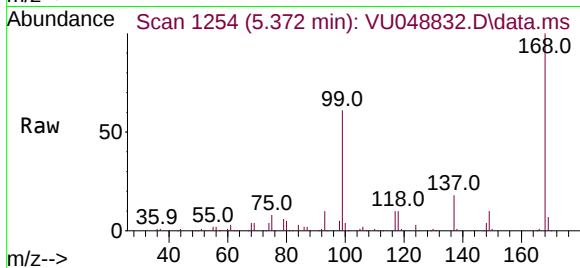
Tgt Ion: 75 Resp: 28182

Ion Ratio Lower Upper

75 100

110 8.2 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.428 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048832.D

Acq: 03 Jun 2022 03:15

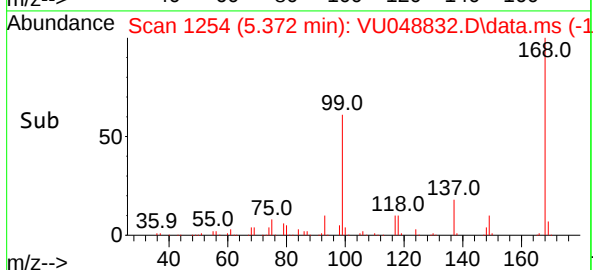
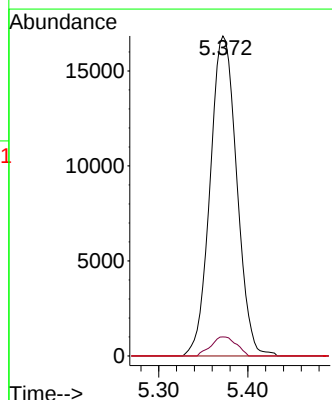
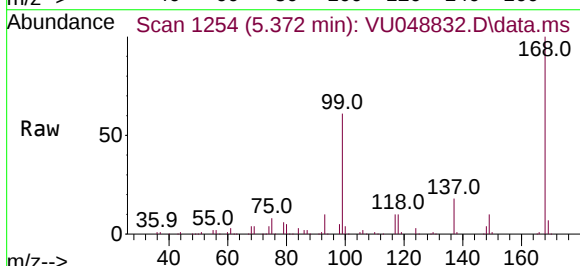
Tgt Ion: 117 Resp: 34968

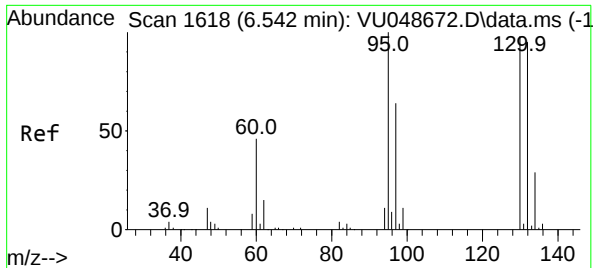
Ion Ratio Lower Upper

117 100

119 5.9 75.4 113.2#

121 0.0 24.6 36.8#

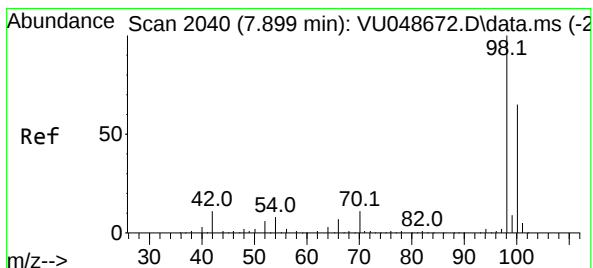
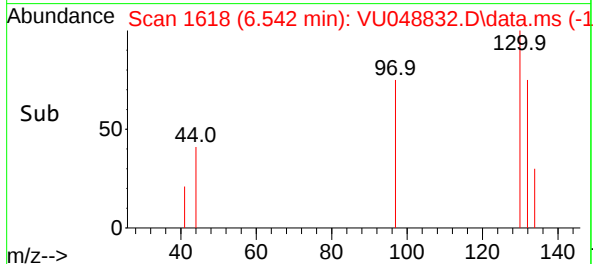
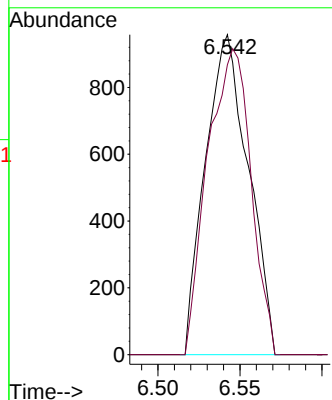
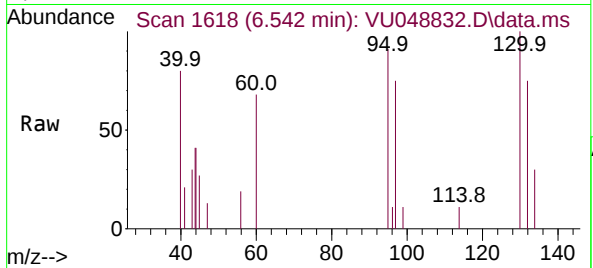




#44
Trichloroethene
Concen: 0.409 ug/l
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

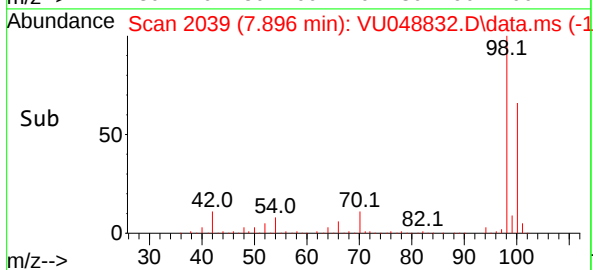
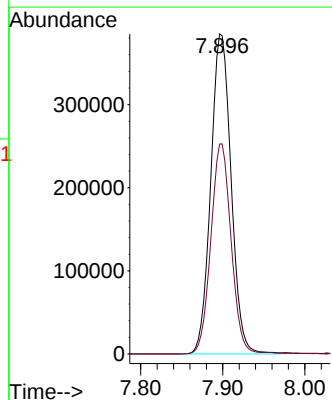
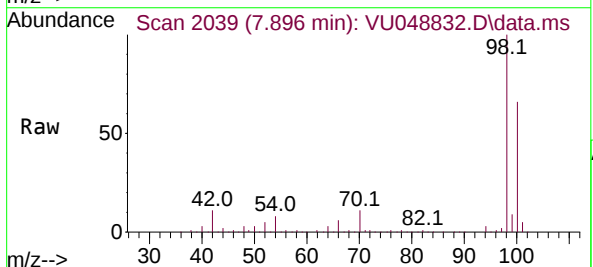
Instrument :
MSVOA_U
ClientSampleId :
MH-118.5N-20220527

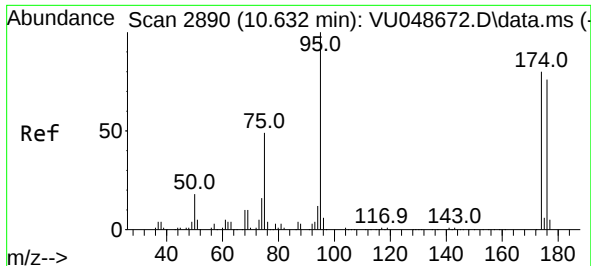
Tgt Ion:130 Resp: 1746
Ion Ratio Lower Upper
130 100
95 90.6 0.0 204.8



#50
Toluene-d8
Concen: 48.117 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.003 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

Tgt Ion: 98 Resp: 663564
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4

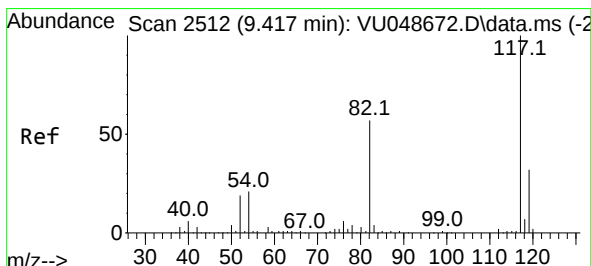
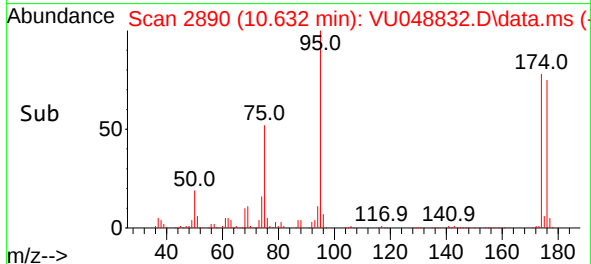
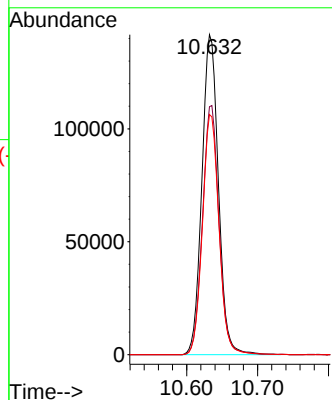
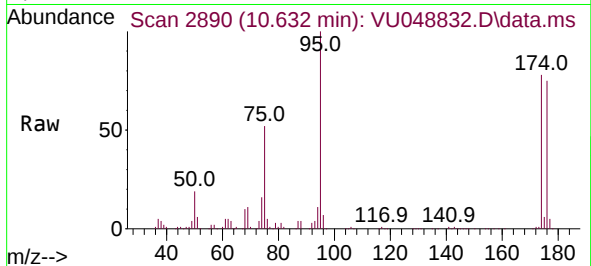




#62
4-Bromofluorobenzene
Concen: 43.959 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

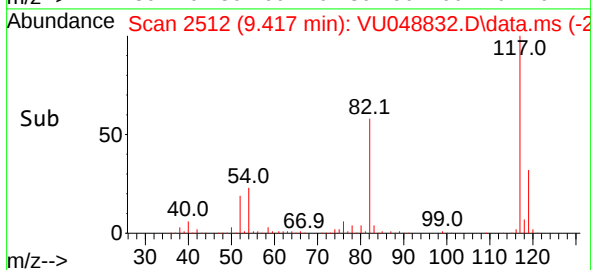
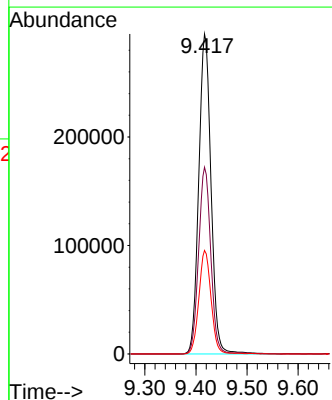
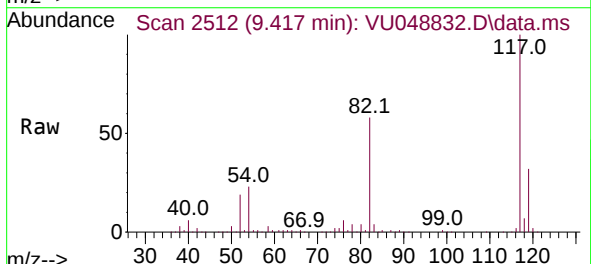
Instrument : MSVOA_U
ClientSampleId : MH-118.5N-20220527

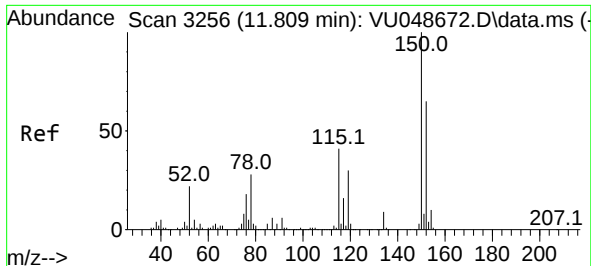
Tgt Ion: 95 Resp: 229270
Ion Ratio Lower Upper
95 100
174 77.8 0.0 159.4
176 75.1 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

Tgt Ion: 117 Resp: 491826
Ion Ratio Lower Upper
117 100
82 58.3 45.3 67.9
119 32.3 25.4 38.2

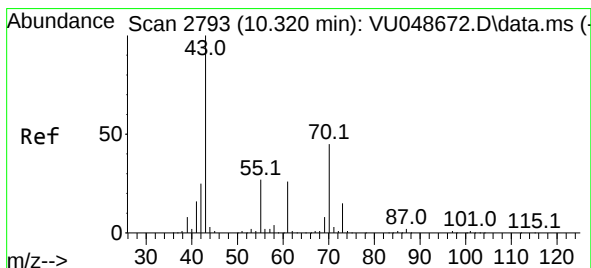
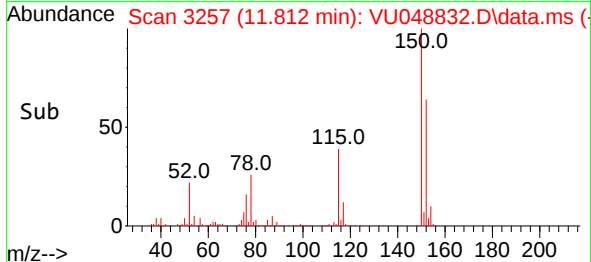
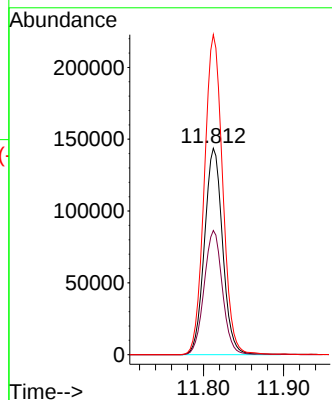
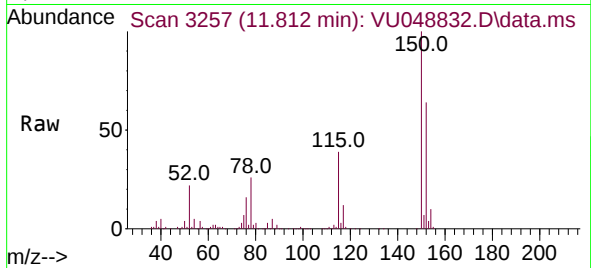




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

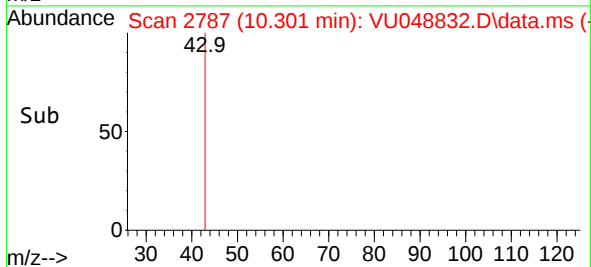
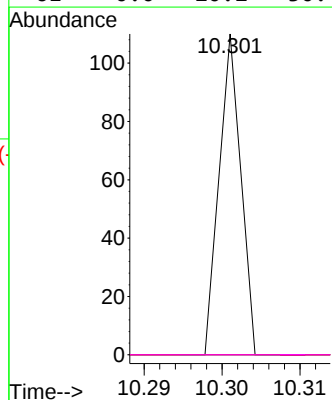
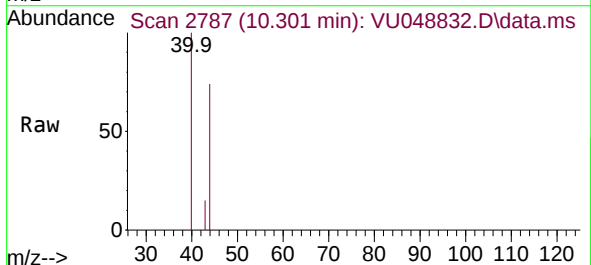
Instrument :
MSVOA_U
ClientSampleId :
MH-118.5N-20220527

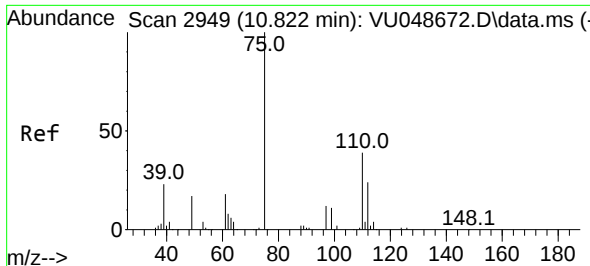
Tgt Ion:152 Resp: 227169
Ion Ratio Lower Upper
152 100
115 60.5 41.8 125.4
150 156.4 0.0 341.0



#74
N-ethyl acetate
Concen: 2.470 ug/l
RT: 10.301 min Scan# 2787
Delta R.T. -0.019 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

Tgt Ion: 43 Resp: 21
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#

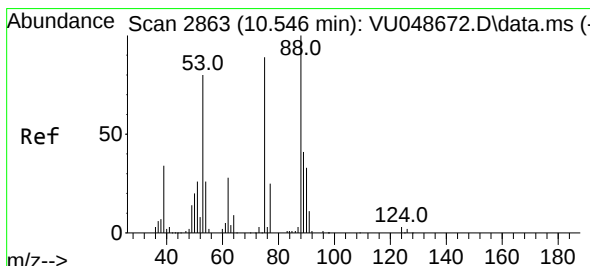
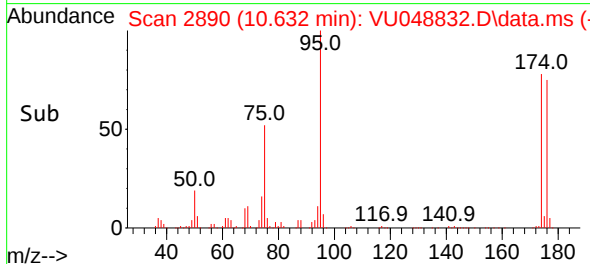
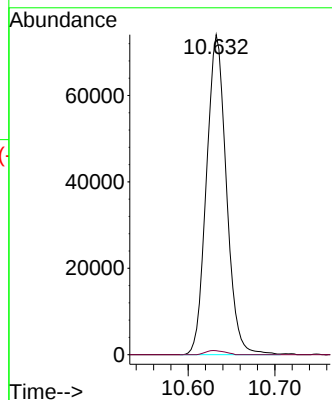
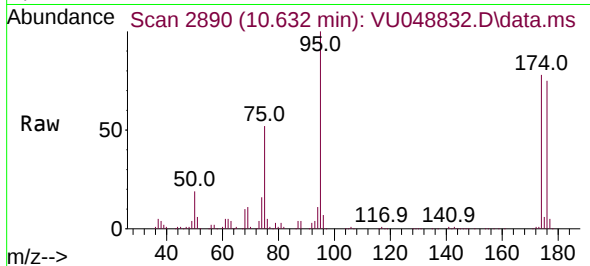




#76
1,2,3-Trichloropropane
Concen: 16.179 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

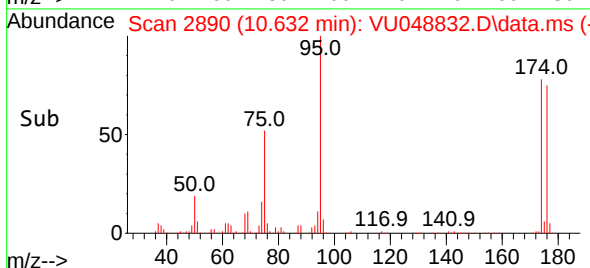
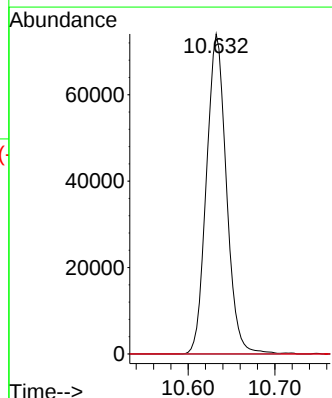
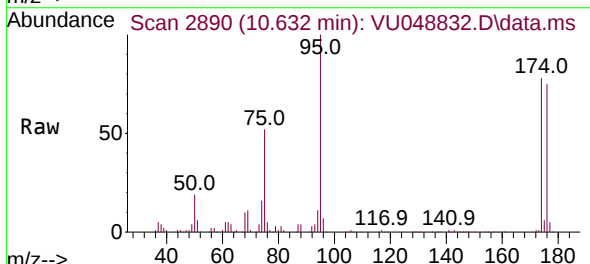
Instrument :
MSVOA_U
ClientSampleId :
MH-118.5N-20220527

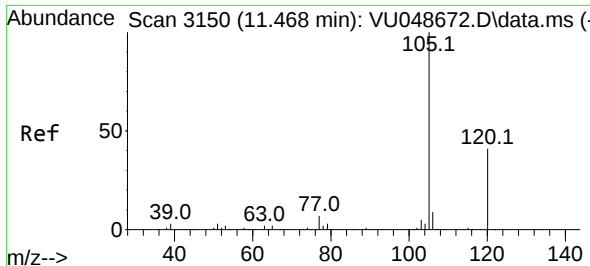
Tgt Ion: 75 Resp: 118505
Ion Ratio Lower Upper
75 100
77 1.3 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.745 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

Tgt Ion: 75 Resp: 118505
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

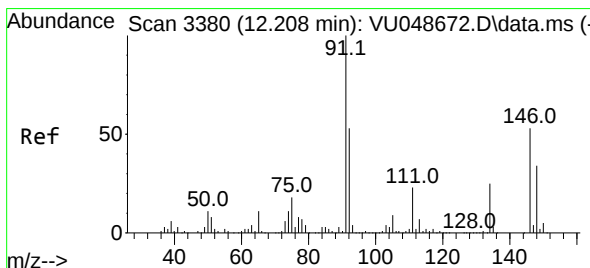
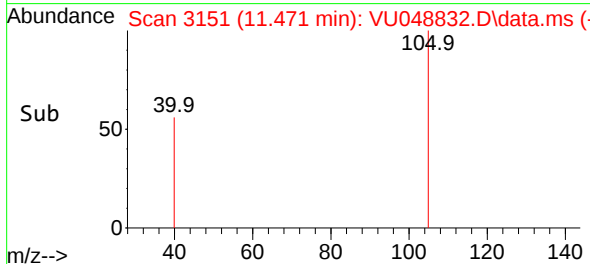
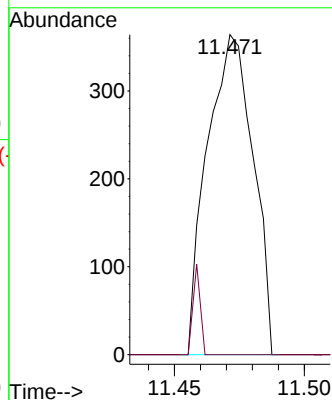
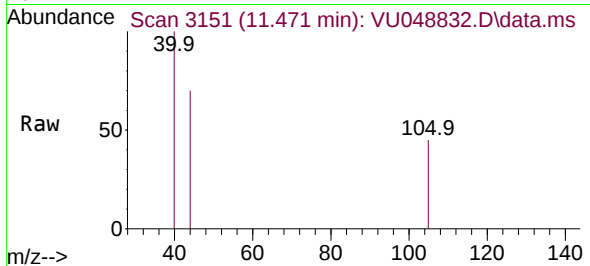




#84
1,2,4-Trimethylbenzene
Concen: 1.219 ug/l
RT: 11.471 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

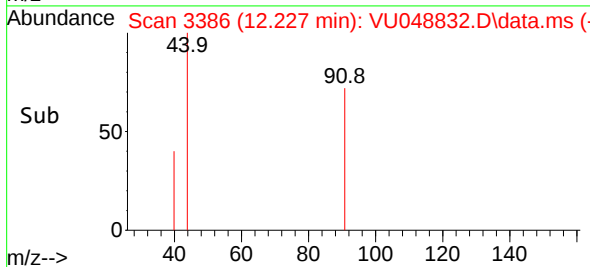
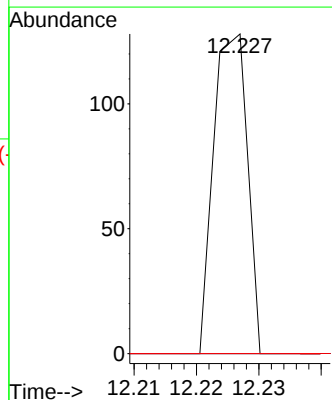
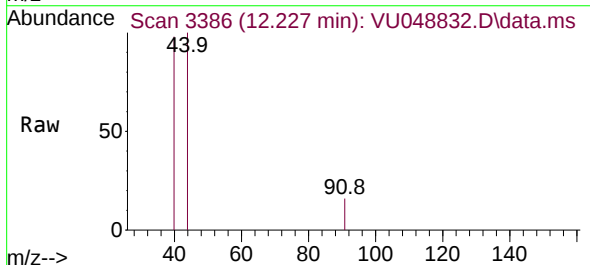
Instrument :
MSVOA_U
ClientSampleId :
MH-118.5N-20220527

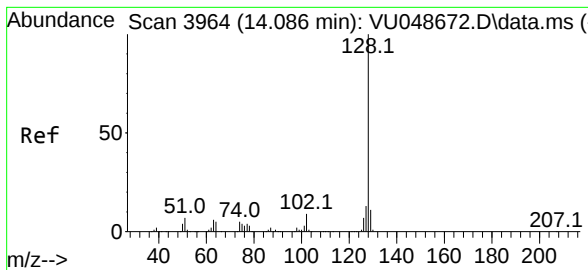
Tgt Ion:105 Resp: 446
Ion Ratio Lower Upper
105 100
120 4.5 22.5 67.5#



#89
n-Butylbenzene
Concen: 2.189 ug/l
RT: 12.227 min Scan# 3386
Delta R.T. 0.019 min
Lab File: VU048832.D
Acq: 03 Jun 2022 03:15

Tgt Ion: 91 Resp: 48
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#





#95

Naphthalene

Concen: 3.147 ug/l

RT: 14.095 min Scan# 3967

Delta R.T. 0.009 min

Lab File: VU048832.D

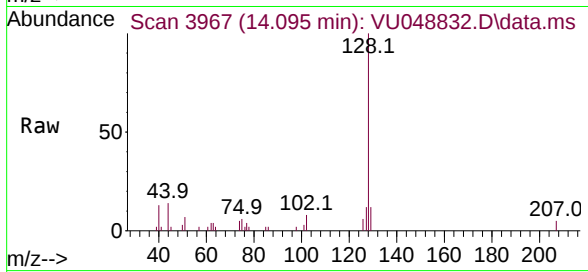
Acq: 03 Jun 2022 03:15

Instrument :

MSVOA_U

ClientSampleId :

MH-118.5N-20220527



Tgt Ion:128 Resp: 11576

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.4

129 11.0 8.7 13.1

