

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060622\
 Data File : VU048893.D
 Acq On : 06 Jun 2022 19:27
 Operator : SY/MD
 Sample : N3165-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 12S-20220601

Quant Time: Jun 07 05:20:49 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)

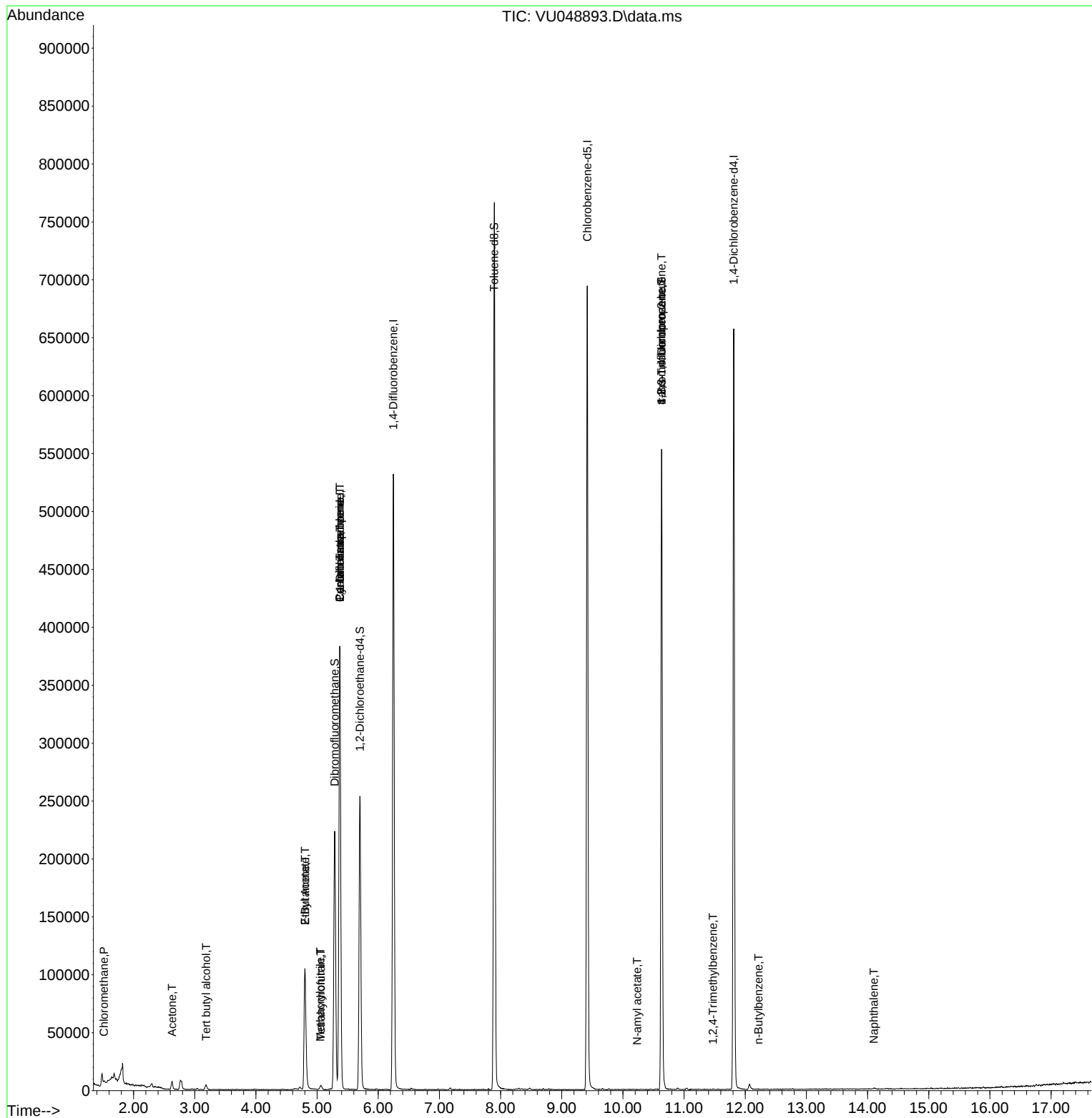
Internal Standards						
1) Pentafluorobenzene	5.372	168	255982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	420525	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	388580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	171624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	193516	50.338	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	100.680%
35) Dibromofluoromethane	5.288	113	143419	47.804	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.600%
50) Toluene-d8	7.896	98	507352	47.176	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.360%
62) 4-Bromofluorobenzene	10.632	95	183290	45.065	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.140%
Target Compounds						Qvalue
3) Chloromethane	1.517	50	1234	0.327	ug/l	99
5) Bromomethane	1.816	94	436	Below Cal	#	60
6) Chloroethane	1.964	64	487	Below Cal	#	43
11) Tert butyl alcohol	3.189	59	2737	2.808	ug/l #	28
13) Acrolein	2.478	56	120	Below Cal	#	14
16) Acetone	2.629	43	8135	4.152	ug/l #	86
25) 2-Butanone	4.803	43	138377	49.165	ug/l #	49
29) Tetrahydrofuran	5.063	42	2789	1.573	ug/l #	83
31) Cyclohexane	5.372	56	5549	1.145	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	21818	4.983	ug/l #	48
37) Ethyl Acetate	4.803	43	138377	24.999	ug/l	99
38) Carbon Tetrachloride	5.372	117	26295	5.234	ug/l #	17
41) Methacrylonitrile	5.054	41	1280	0.458	ug/l #	43
74) N-amyl acetate	10.234	43	19	2.470	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	96686	17.473	ug/l #	48
81) trans-1,4-Dichloro-2-b...	10.632	75	96686	63.441	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	141	1.200	ug/l #	31
89) n-Butylbenzene	12.217	91	47	2.190	ug/l #	34
95) Naphthalene	14.105	128	1065	2.607	ug/l #	72

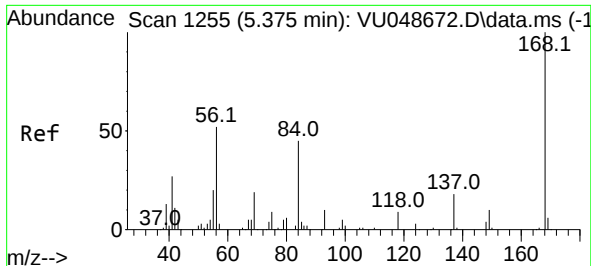
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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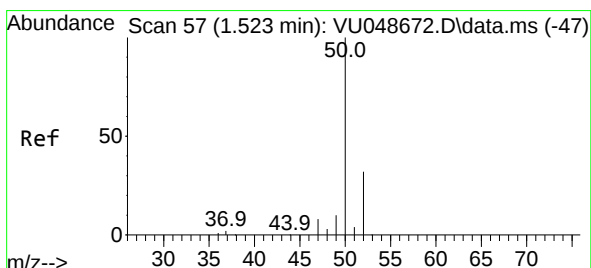
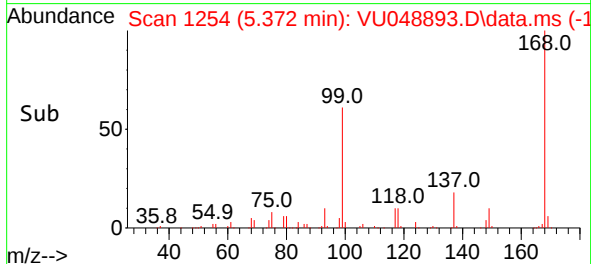
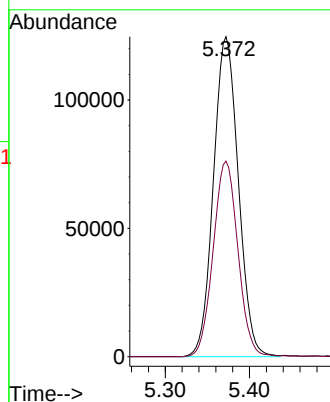
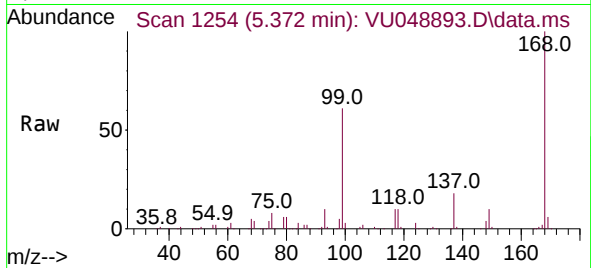




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

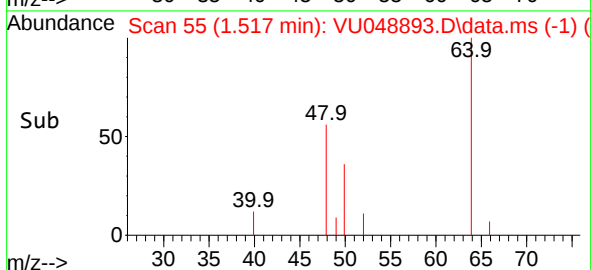
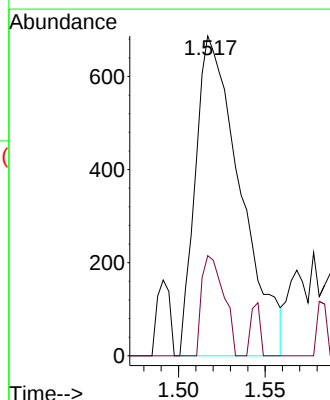
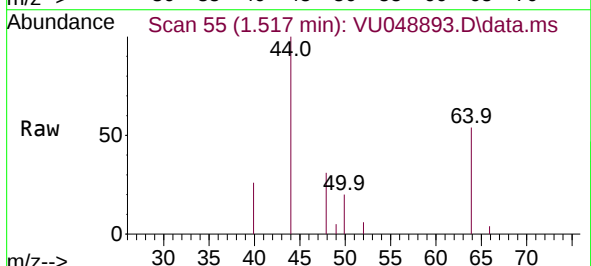
Instrument :
MSVOA_U
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12S-20220601

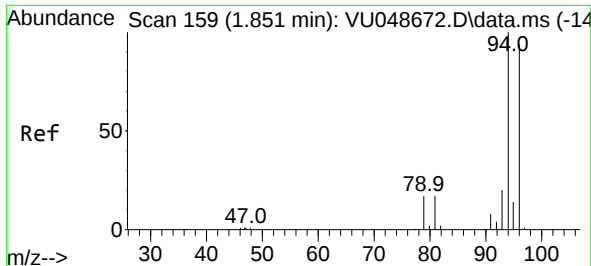
Tgt Ion:168 Resp: 255982
Ion Ratio Lower Upper
168 100
99 61.1 49.3 73.9



#3
Chloromethane
Concen: 0.327 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.007 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 50 Resp: 1234
Ion Ratio Lower Upper
50 100
52 31.3 25.7 38.5

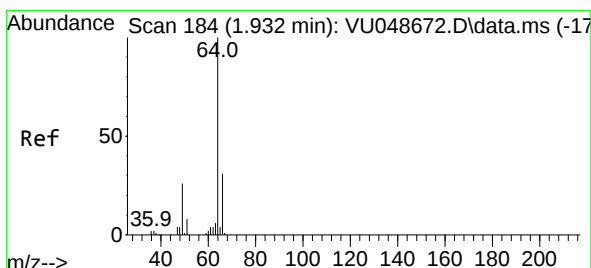
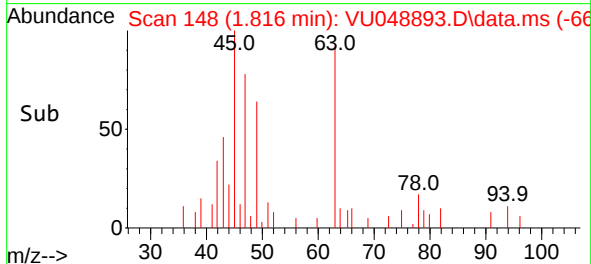
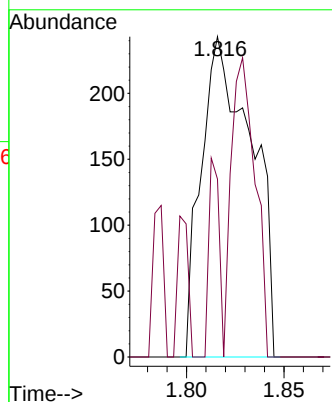
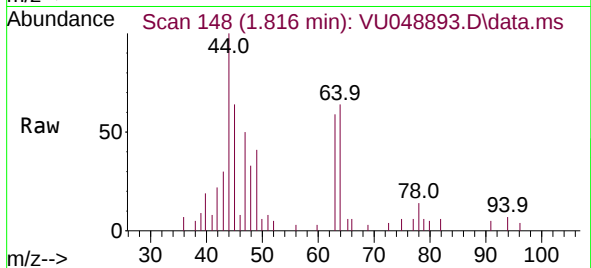




#5
Bromomethane
Concen: Below Cal
RT: 1.816 min Scan# 14
Delta R.T. -0.035 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

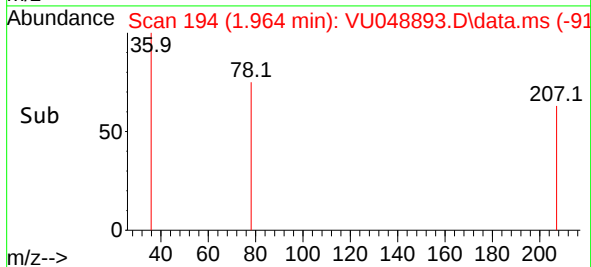
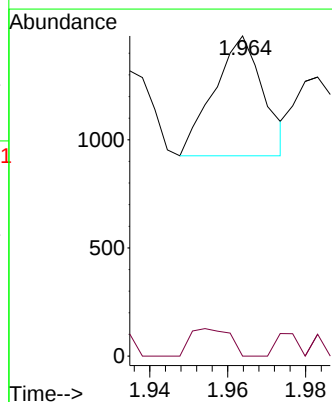
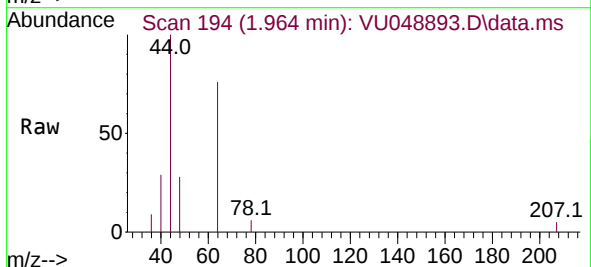
Instrument :
MSVOA_U
ClientSampleId :
12S-20220601

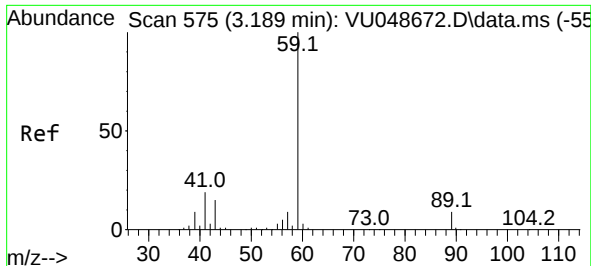
Tgt Ion: 94 Resp: 436
Ion Ratio Lower Upper
94 100
96 55.6 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.964 min Scan# 194
Delta R.T. 0.032 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 64 Resp: 487
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

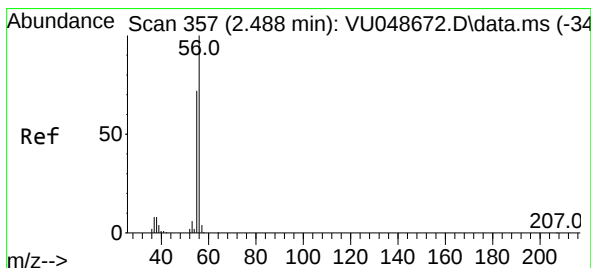
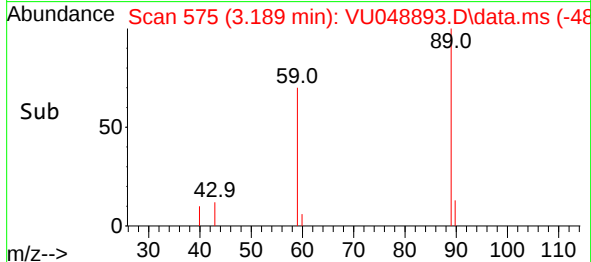
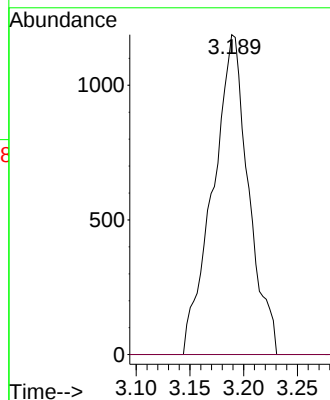
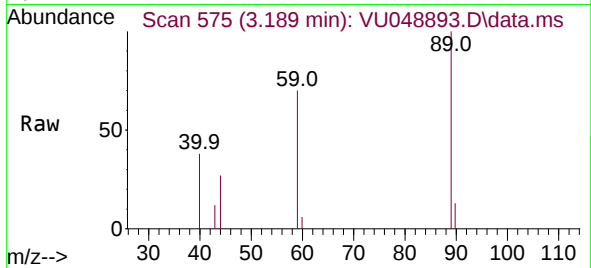




#11
Tert butyl alcohol
Concen: 2.808 ug/l
RT: 3.189 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

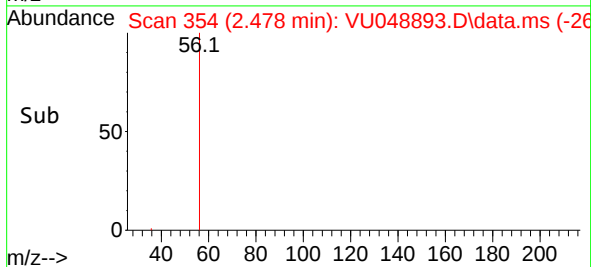
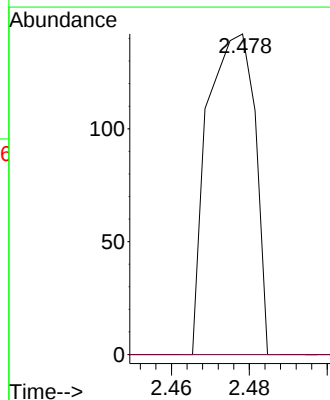
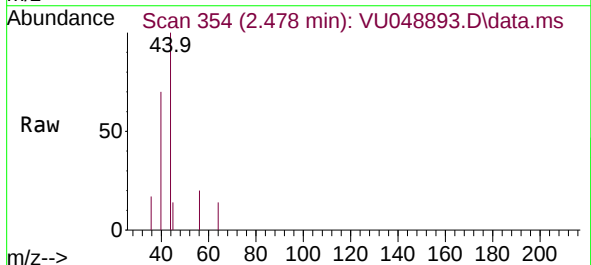
Instrument :
MSVOA_U
ClientSampleId :
12S-20220601

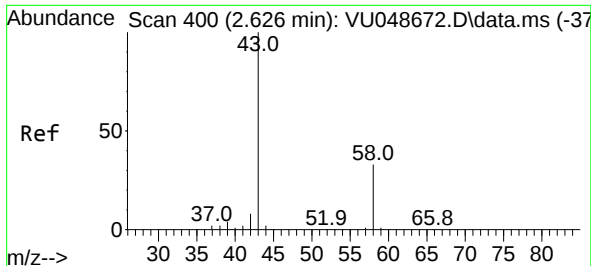
Tgt Ion: 59 Resp: 2737
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.478 min Scan# 354
Delta R.T. -0.010 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#

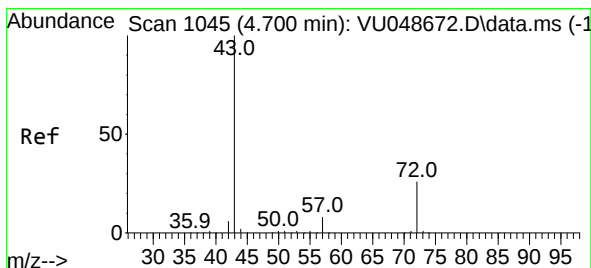
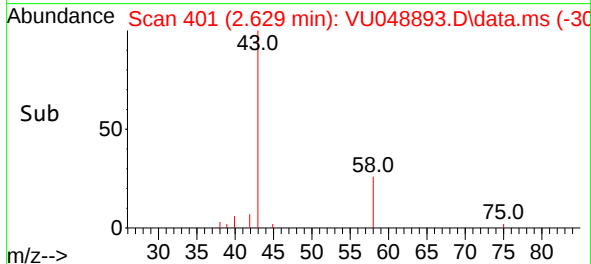
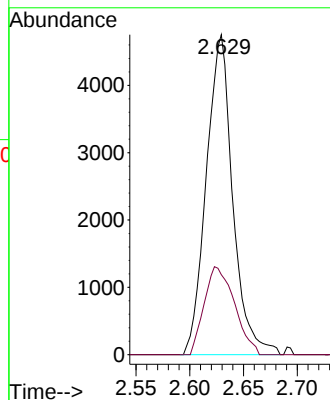
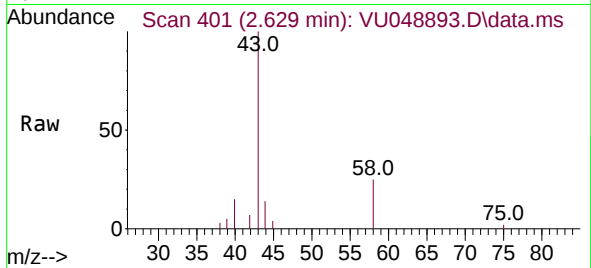




#16
Acetone
Concen: 4.152 ug/l
RT: 2.629 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

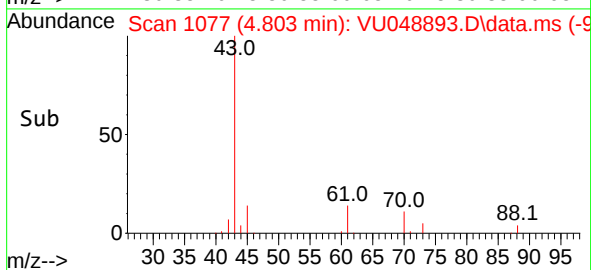
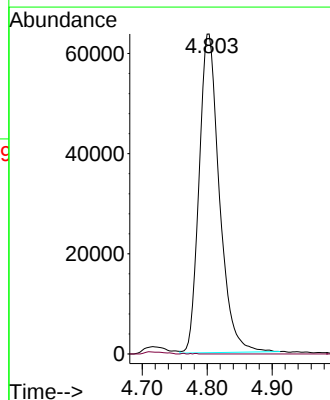
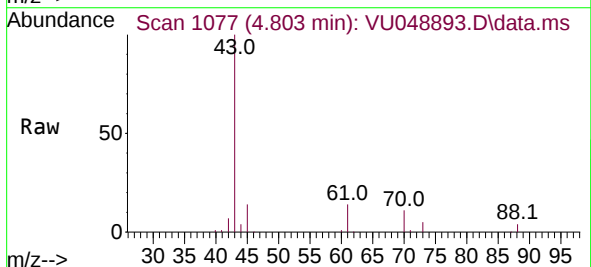
Instrument :
MSVOA_U
ClientSampleId :
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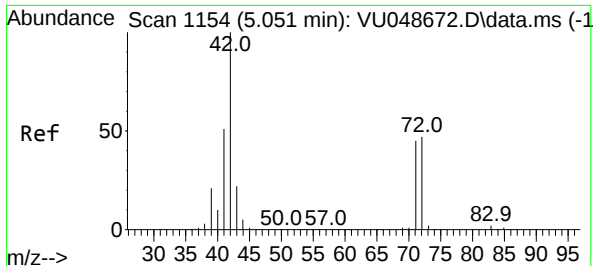
Tgt Ion: 43 Resp: 8135
Ion Ratio Lower Upper
43 100
58 25.0 26.3 39.5#



#25
2-Butanone
Concen: 49.165 ug/l
RT: 4.803 min Scan# 1077
Delta R.T. 0.103 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 43 Resp: 138377
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#

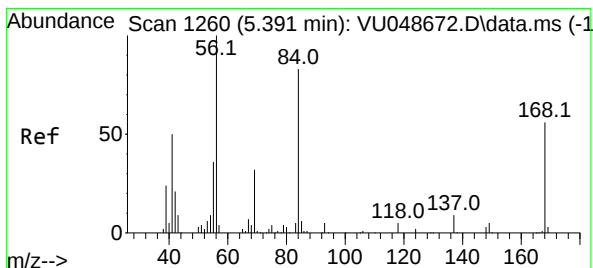
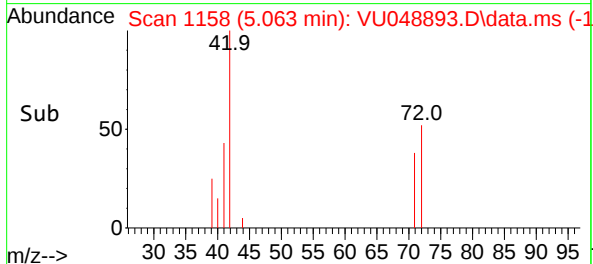
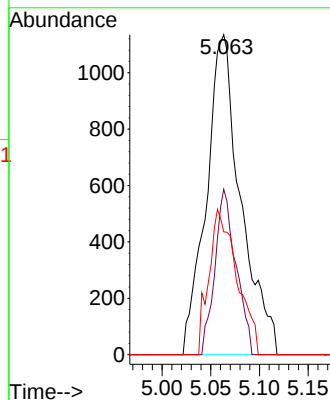
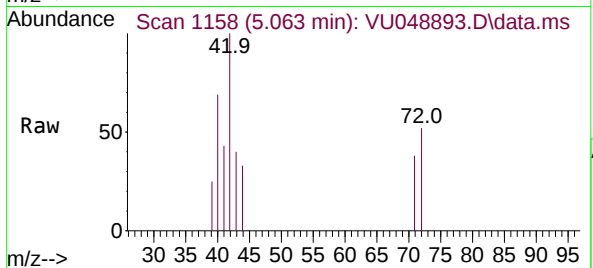




#29
Tetrahydrofuran
Concen: 1.573 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.013 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

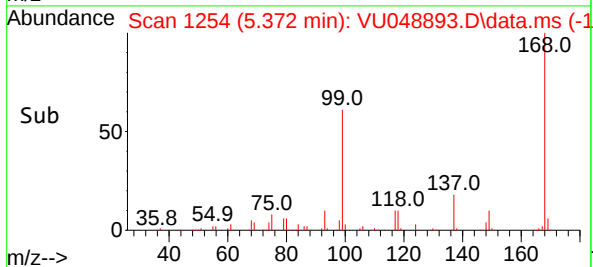
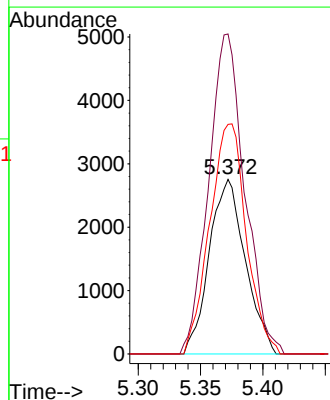
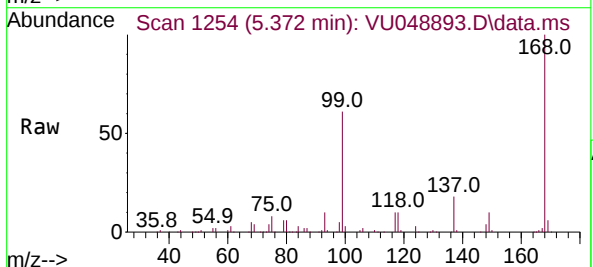
Instrument :
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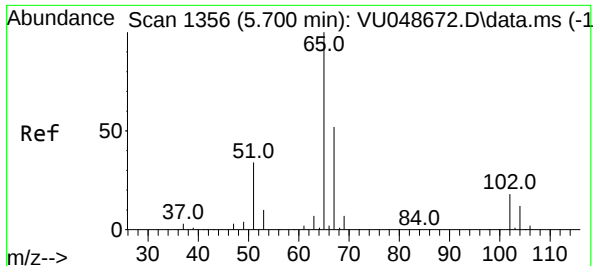
Tgt Ion: 42 Resp: 2789
Ion Ratio Lower Upper
42 100
72 31.6 37.6 56.4#
71 37.0 35.0 52.4



#31
Cyclohexane
Concen: 1.145 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 56 Resp: 5549
Ion Ratio Lower Upper
56 100
69 183.3 25.6 38.4#
84 131.5 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 50.338 ug/l

RT: 5.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048893.D

Acq: 06 Jun 2022 19:27

Instrument :

MSVOA_U

ClientSampleId :

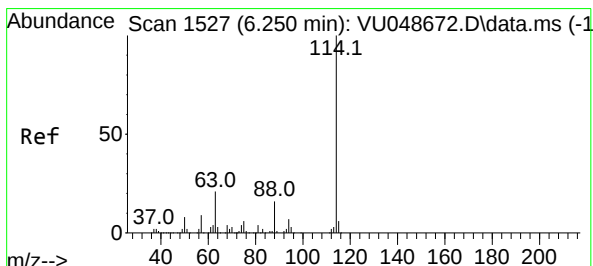
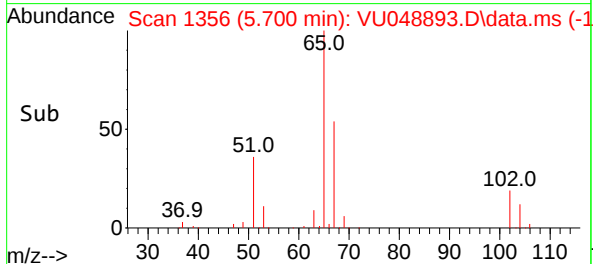
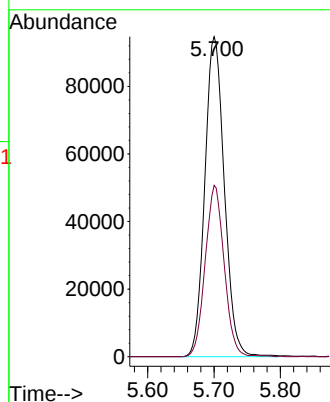
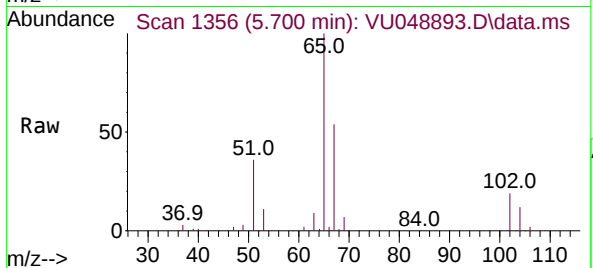
12S-20220601

Tgt Ion: 65 Resp: 193516

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. -0.003 min

Lab File: VU048893.D

Acq: 06 Jun 2022 19:27

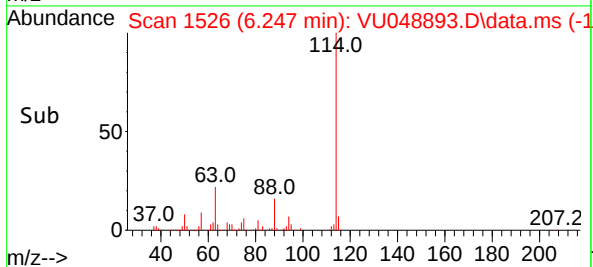
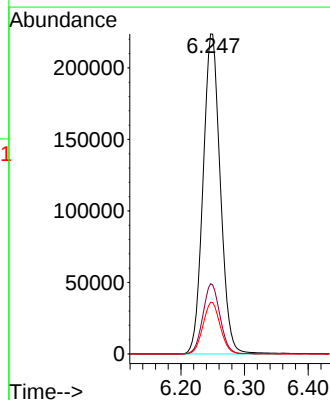
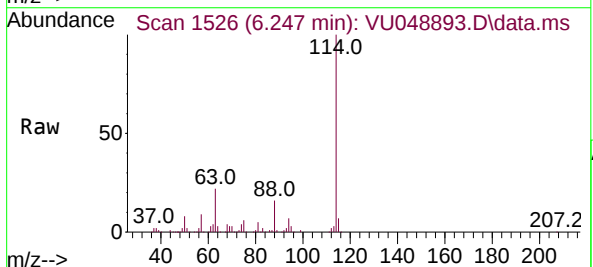
Tgt Ion: 114 Resp: 420525

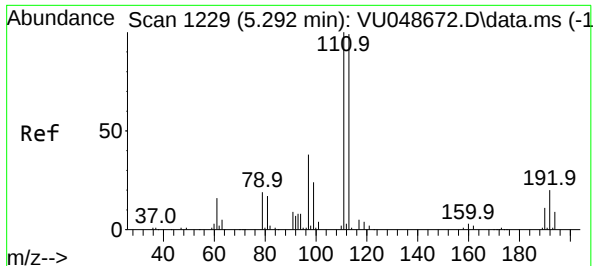
Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.6

88 16.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.804 ug/l

RT: 5.288 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048893.D

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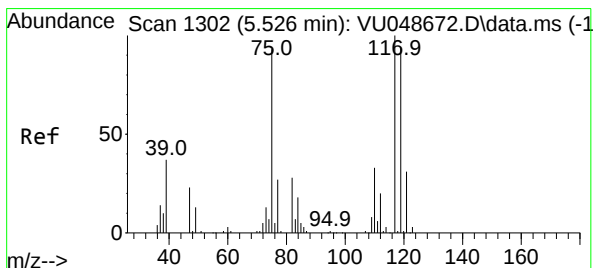
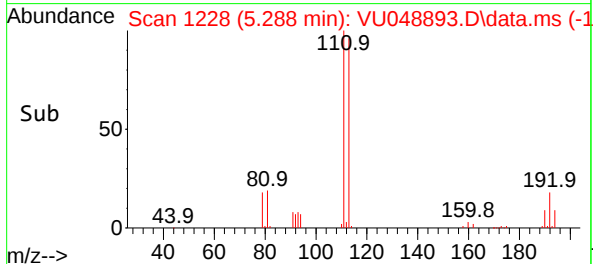
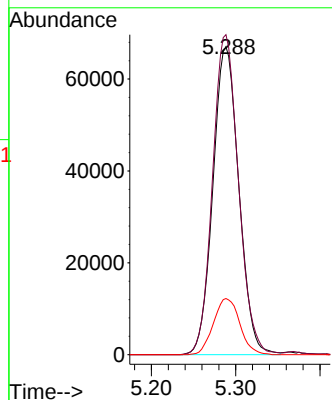
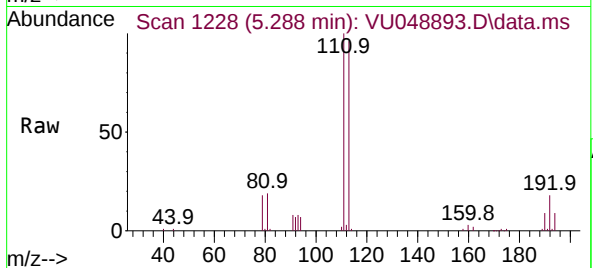
Tgt Ion:113 Resp: 143419

Ion Ratio Lower Upper

113 100

111 103.8 80.7 121.1

192 18.5 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.983 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048893.D

Acq: 06 Jun 2022 19:27

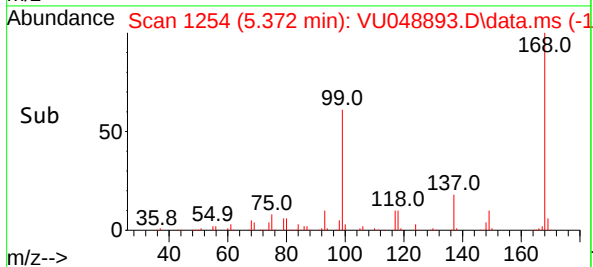
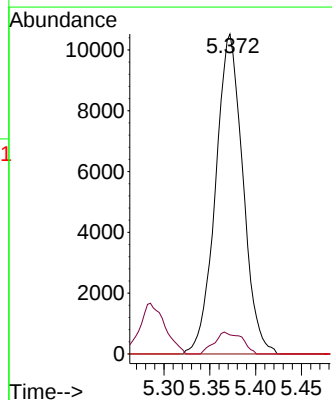
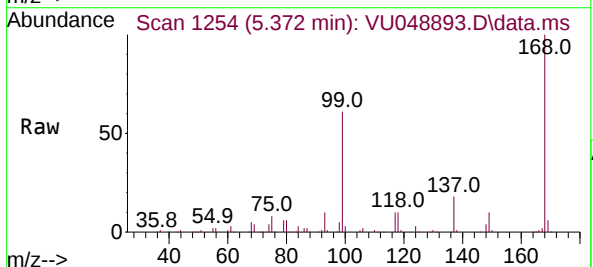
Tgt Ion: 75 Resp: 21818

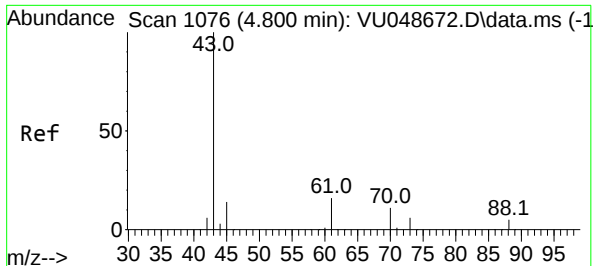
Ion Ratio Lower Upper

75 100

110 6.8 17.4 52.3#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 24.999 ug/l

RT: 4.803 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048893.D

Acq: 06 Jun 2022 19:27

Instrument :

MSVOA_U

ClientSampleId :

12S-20220601

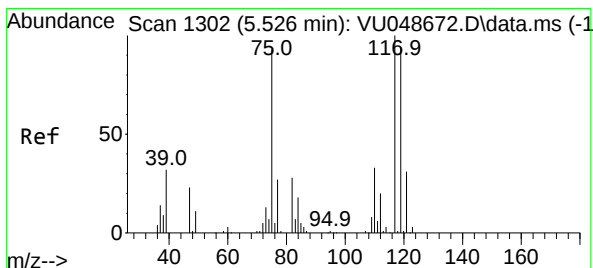
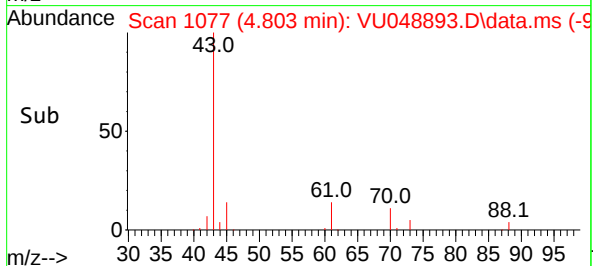
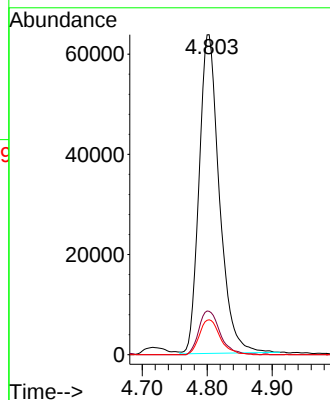
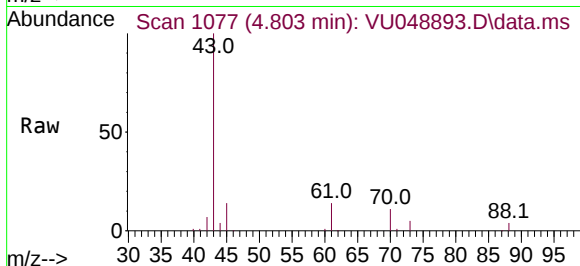
Tgt Ion: 43 Resp: 138377

Ion Ratio Lower Upper

43 100

61 14.4 11.7 17.5

70 11.2 8.4 12.6



#38

Carbon Tetrachloride

Concen: 5.234 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048893.D

Acq: 06 Jun 2022 19:27

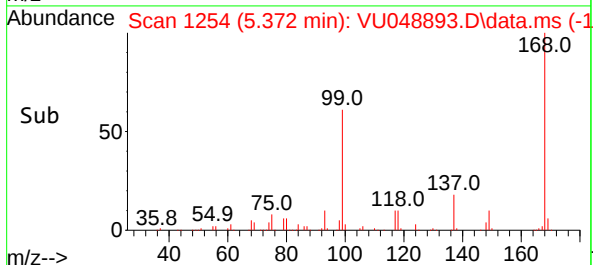
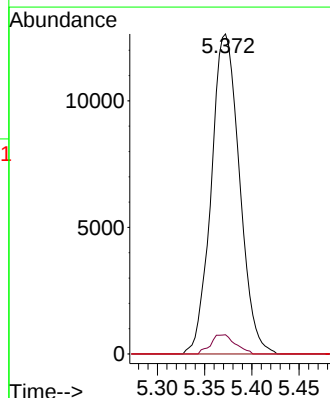
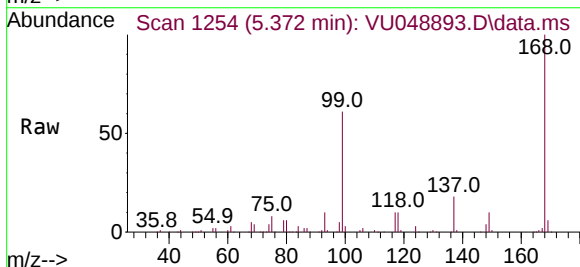
Tgt Ion: 117 Resp: 26295

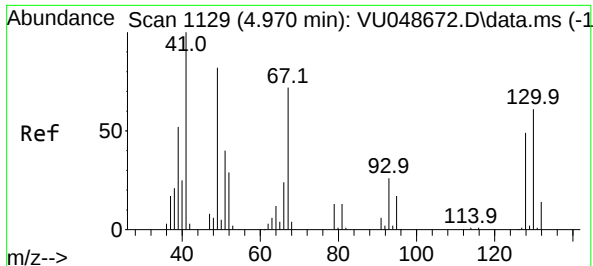
Ion Ratio Lower Upper

117 100

119 6.0 75.4 113.2#

121 0.0 24.6 36.8#





#41

Methacrylonitrile

Concen: 0.458 ug/l

RT: 5.054 min Scan# 1155

Delta R.T. 0.084 min

Lab File: VU048893.D

Acq: 06 Jun 2022 19:27

Instrument :

MSVOA_U

ClientSampleId :

12S-20220601

Tgt Ion: 41 Resp: 1280

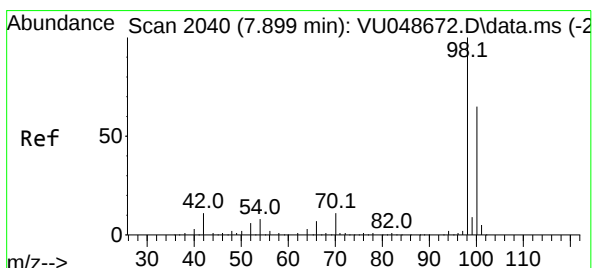
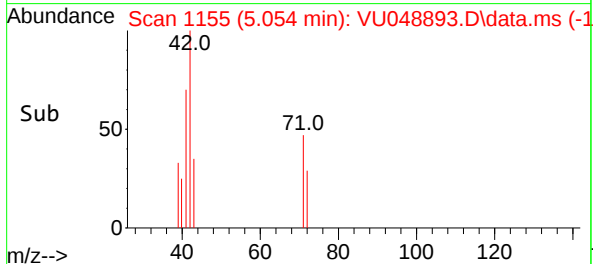
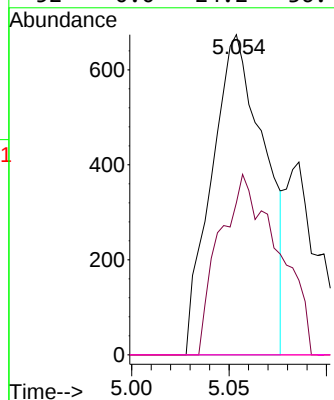
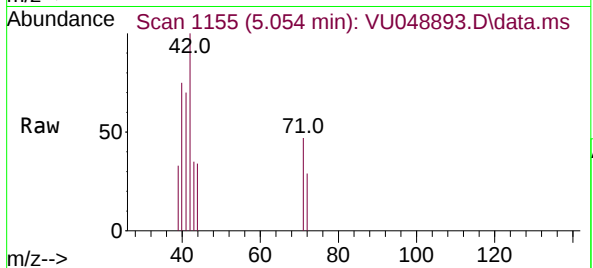
Ion Ratio Lower Upper

41 100

39 62.0 42.6 64.0

67 0.0 61.0 91.4#

52 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 47.176 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. -0.003 min

Lab File: VU048893.D

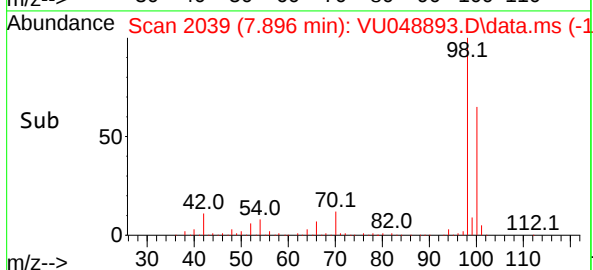
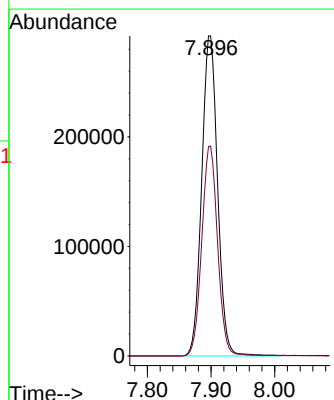
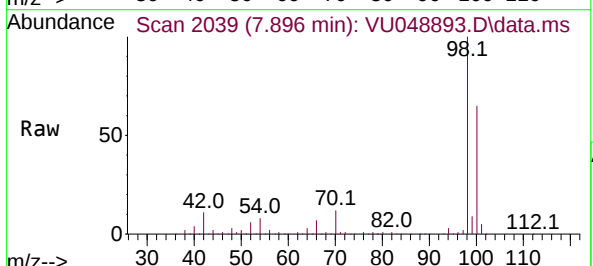
Acq: 06 Jun 2022 19:27

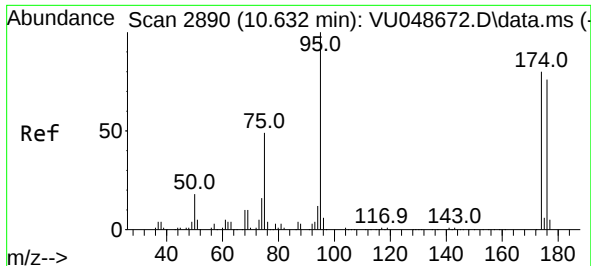
Tgt Ion: 98 Resp: 507352

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.4

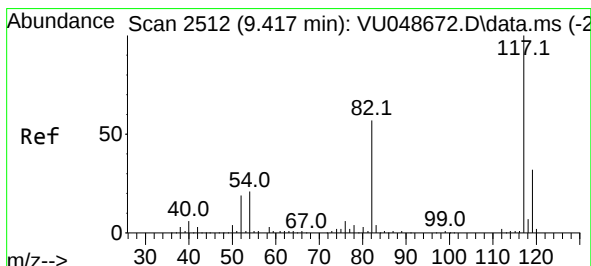
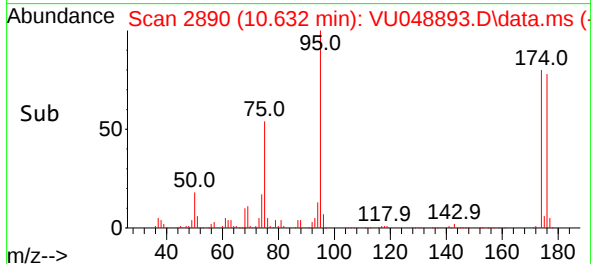
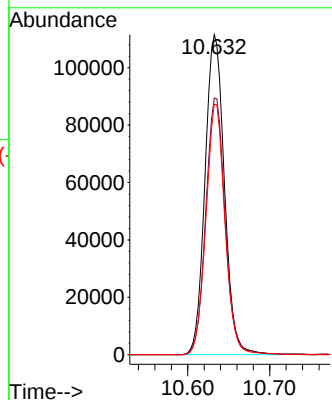
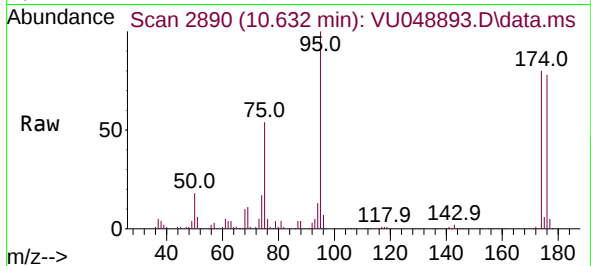




#62
4-Bromofluorobenzene
Concen: 45.065 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

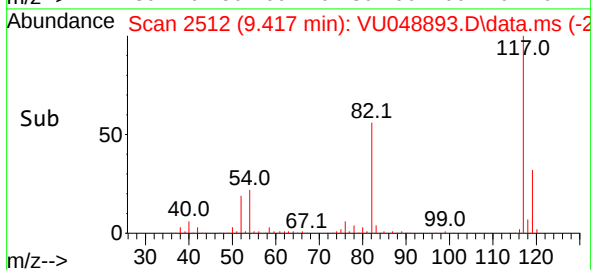
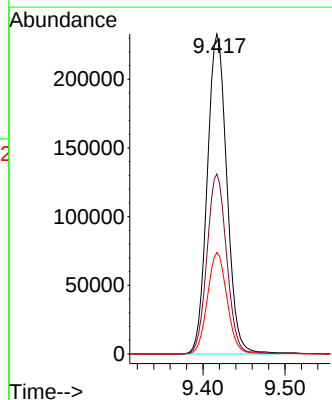
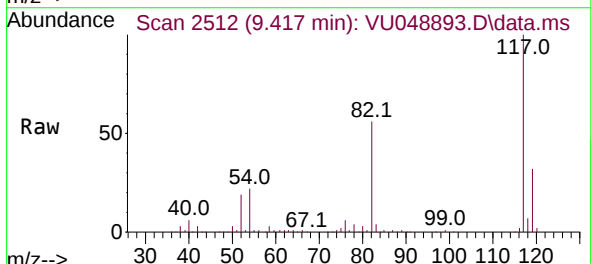
Instrument :
MSVOA_U
ClientSampleId :
12S-20220601

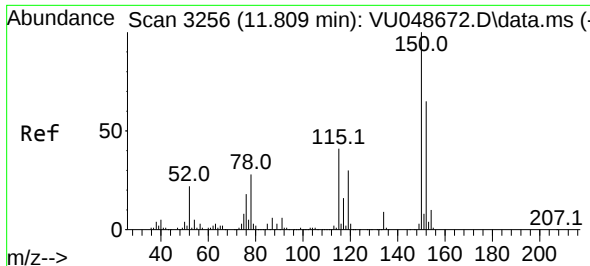
Tgt Ion: 95 Resp: 183290
Ion Ratio Lower Upper
95 100
174 80.5 0.0 159.4
176 76.8 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 117 Resp: 388580
Ion Ratio Lower Upper
117 100
82 56.2 45.3 67.9
119 31.7 25.4 38.2

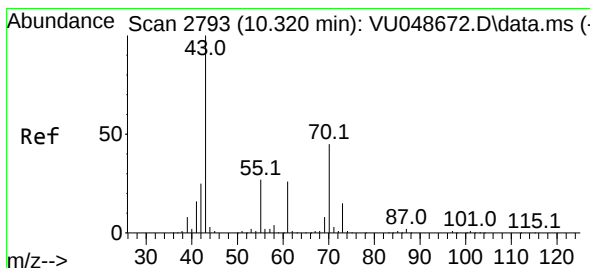
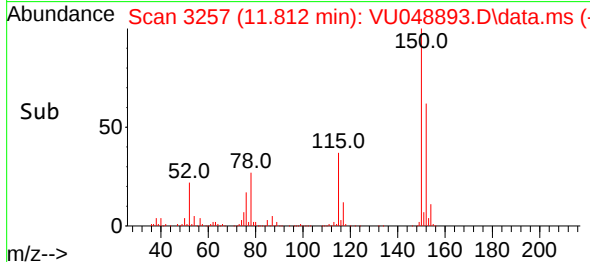
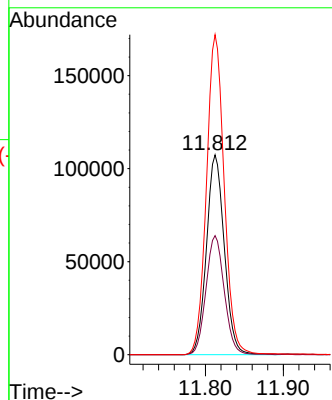
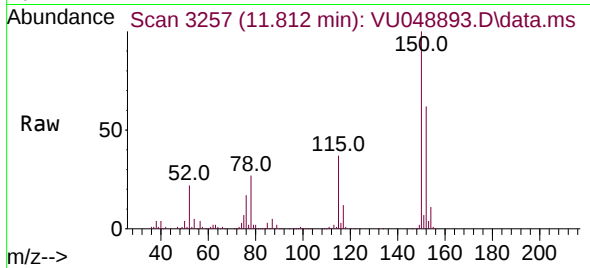




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

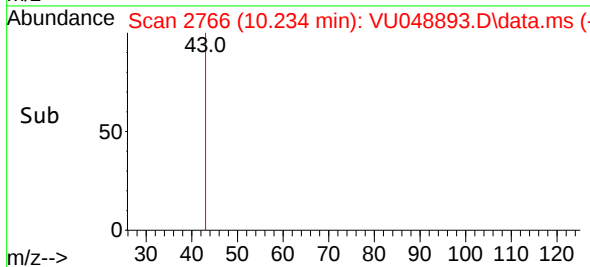
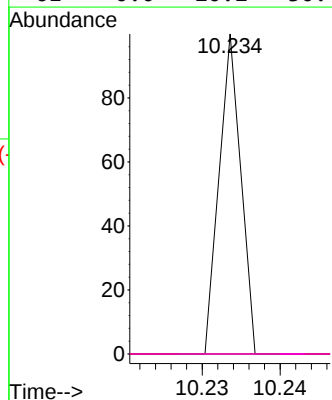
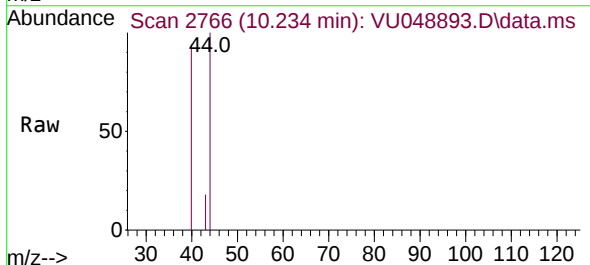
Instrument :
MSVOA_U
ClientSampleId :
12S-20220601

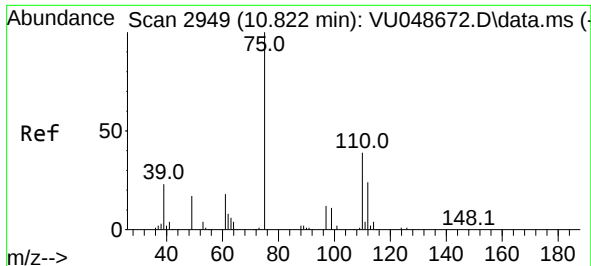
Tgt Ion:152 Resp: 171624
Ion Ratio Lower Upper
152 100
115 60.8 41.8 125.4
150 158.5 0.0 341.0



#74
N-amy1 acetate
Concen: 2.470 ug/l
RT: 10.234 min Scan# 2766
Delta R.T. -0.086 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 43 Resp: 19
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#

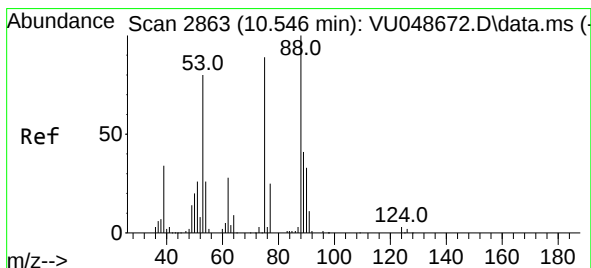
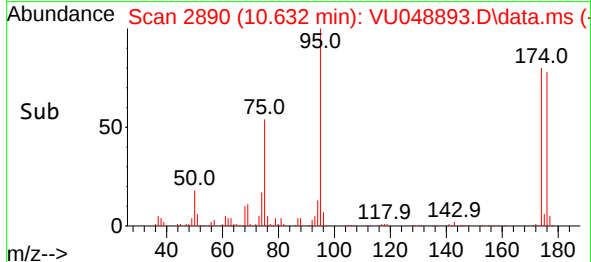
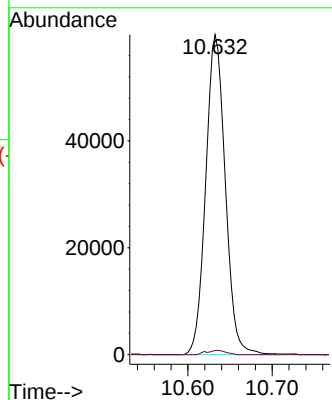
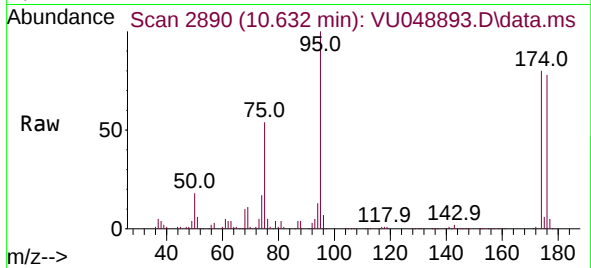




#76
1,2,3-Trichloropropane
Concen: 17.473 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

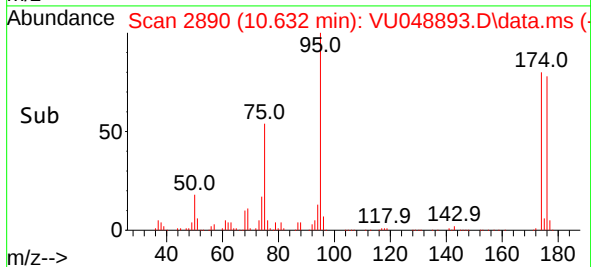
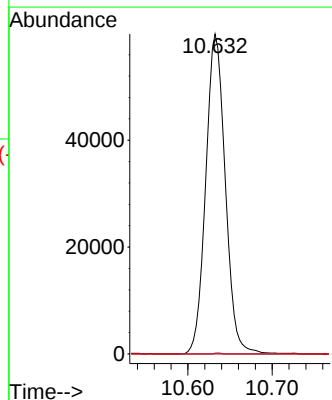
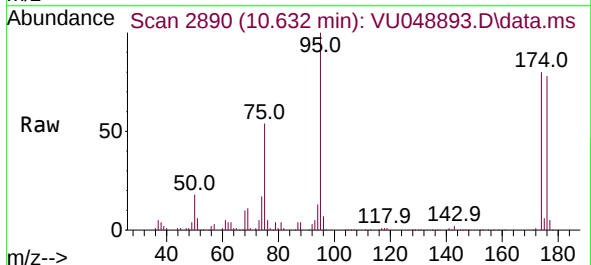
Instrument :
MSVOA_U
ClientSampleId :
12S-20220601

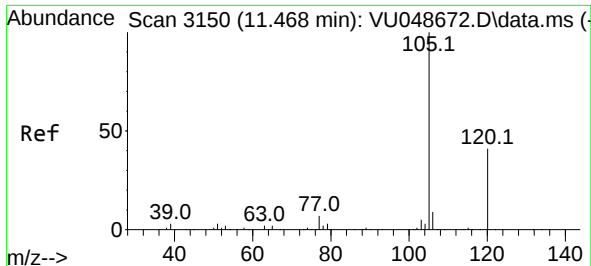
Tgt Ion: 75 Resp: 96686
Ion Ratio Lower Upper
75 100
77 1.4 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.441 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 75 Resp: 96686
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#

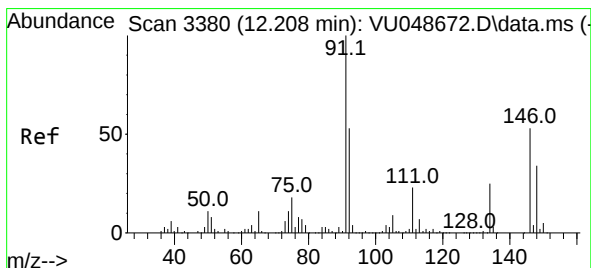
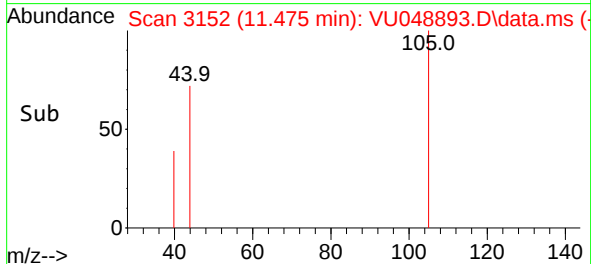
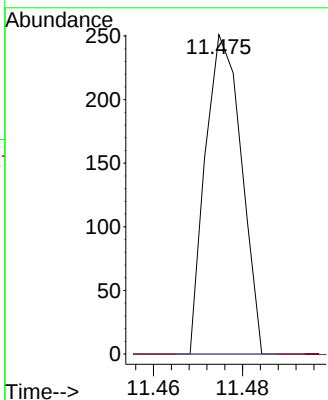
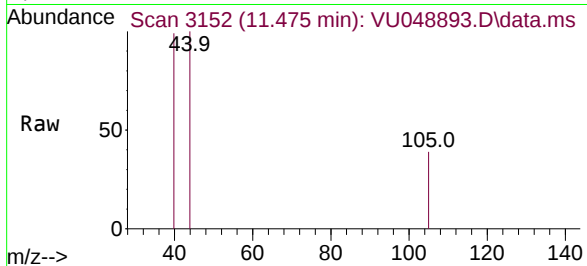




#84
1,2,4-Trimethylbenzene
Concen: 1.200 ug/l
RT: 11.475 min Scan# 3150
Delta R.T. 0.007 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

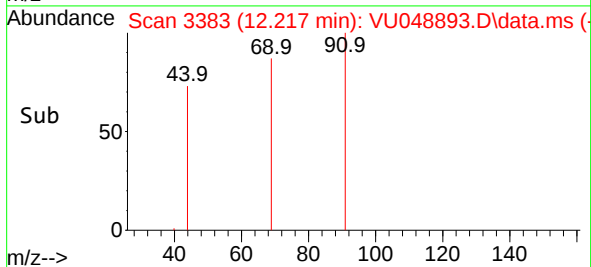
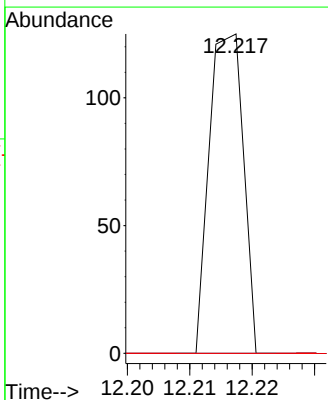
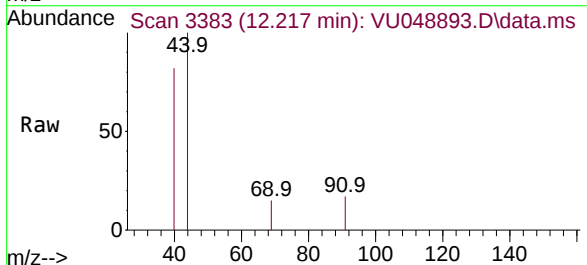
Instrument :
MSVOA_U
ClientSampleId :
12S-20220601

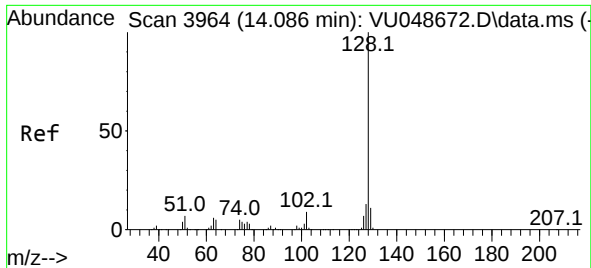
Tgt Ion:105 Resp: 141
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#



#89
n-Butylbenzene
Concen: 2.190 ug/l
RT: 12.217 min Scan# 3383
Delta R.T. 0.009 min
Lab File: VU048893.D
Acq: 06 Jun 2022 19:27

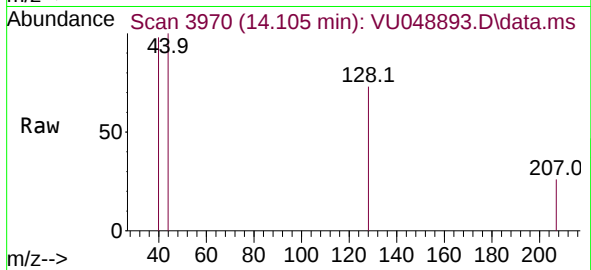
Tgt Ion: 91 Resp: 47
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#





#95
 Naphthalene
 Concen: 2.607 ug/l
 RT: 14.105 min Scan# 3964
 Delta R.T. 0.019 min
 Lab File: VU048893.D
 Acq: 06 Jun 2022 19:27

Instrument :
 MSVOA_U
 ClientSampleId :
 12S-20220601



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	2.3	8.7	13.1#

