

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060822\
 Data File : VU048953.D
 Acq On : 08 Jun 2022 11:00
 Operator : SY/MD
 Sample : VU0608MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0608MBL01

Quant Time: Jun 08 12:17:21 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)

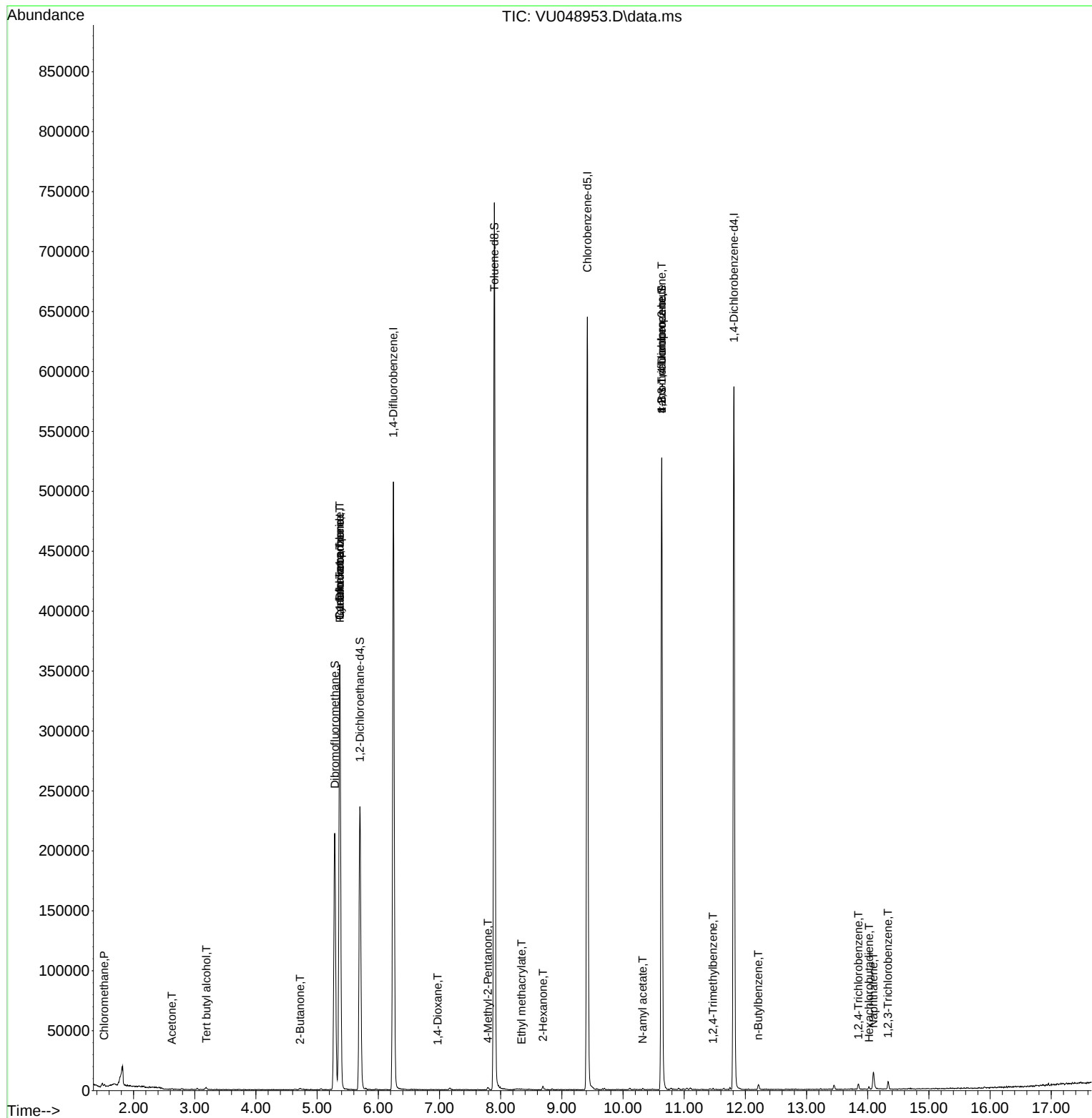
Internal Standards						
1) Pentafluorobenzene	5.372	168	235476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	401320	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	360482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	159306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	186275	52.674	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.340%
35) Dibromofluoromethane	5.288	113	137062	47.872	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.740%
50) Toluene-d8	7.896	98	485657	47.320	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.640%
62) 4-Bromofluorobenzene	10.632	95	175588	45.238	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.480%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1008	0.290	ug/l #	83
5) Bromomethane	1.829	94	322	Below Cal		84
6) Chloroethane	1.919	64	139	Below Cal	#	43
11) Tert butyl alcohol	3.189	59	1059	1.181	ug/l #	28
16) Acetone	2.626	43	849	0.471	ug/l #	75
25) 2-Butanone	4.719	43	2002	0.773	ug/l	95
31) Cyclohexane	5.369	56	5047	1.132	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	19552	4.679	ug/l #	49
38) Carbon Tetrachloride	5.369	117	24866	5.187	ug/l #	18
49) 1,4-Dioxane	6.970	88	102	1.326	ug/l #	24
51) 4-Methyl-2-Pentanone	7.793	43	1717	0.345	ug/l #	79
56) Ethyl methacrylate	8.343	69	138	2.639	ug/l #	64
59) 2-Hexanone	8.690	43	2316	0.567	ug/l	88
74) N-amyl acetate	10.320	43	563	2.570	ug/l #	68
76) 1,2,3-Trichloropropane	10.632	75	91171	17.750	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	91171	64.448	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.471	105	782	1.266	ug/l	66
89) n-Butylbenzene	12.211	91	2518	2.446	ug/l	82
93) 1,2,4-Trichlorobenzene	13.848	180	1825	0.508	ug/l	97
94) Hexachlorobutadiene	14.021	225	506	0.294	ug/l	92
95) Naphthalene	14.092	128	15026	3.670	ug/l	97
96) 1,2,3-Trichlorobenzene	14.330	180	2438	0.686	ug/l	93

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

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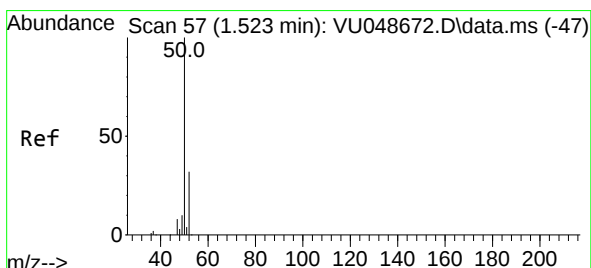
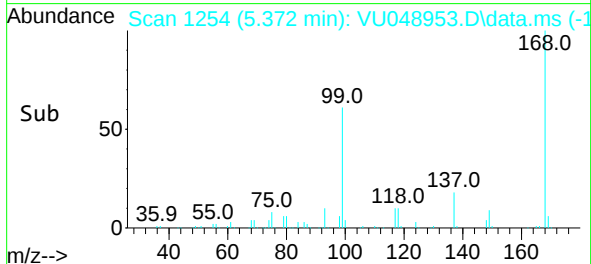
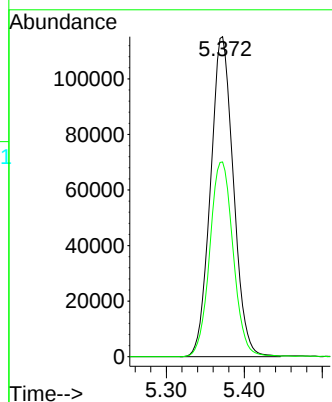
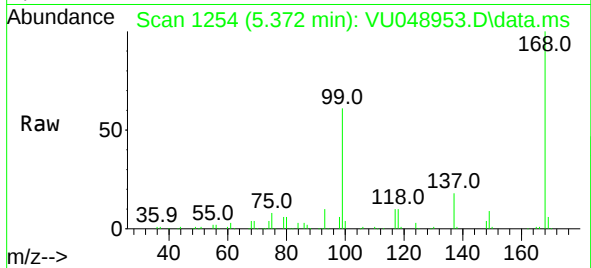




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

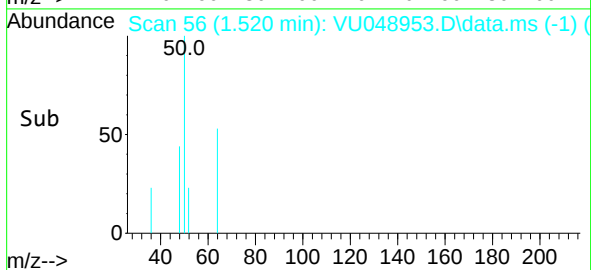
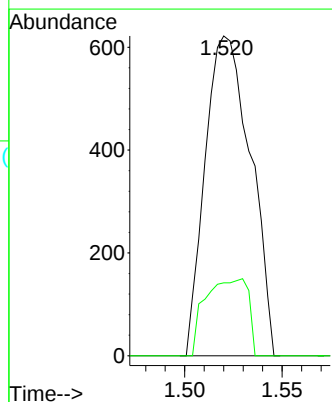
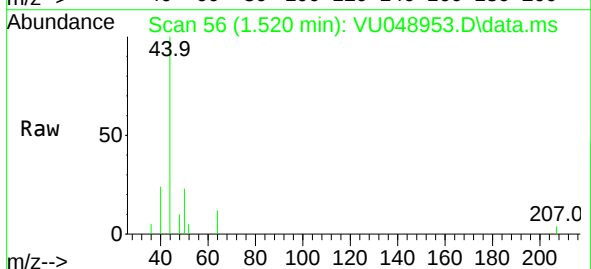
Instrument :
MSVOA_U
ClientSampleId :
VU0608MBL01

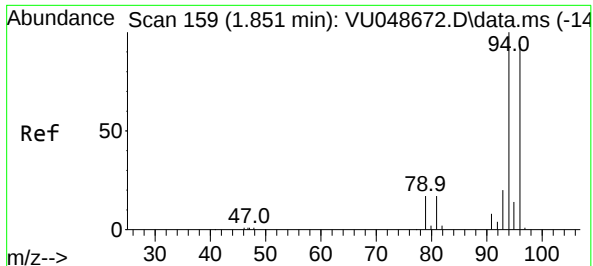
Tgt Ion:168 Resp: 235476
Ion Ratio Lower Upper
168 100
99 60.9 49.3 73.9



#3
Chloromethane
Concen: 0.290 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

Tgt Ion: 50 Resp: 1008
Ion Ratio Lower Upper
50 100
52 22.8 25.7 38.5

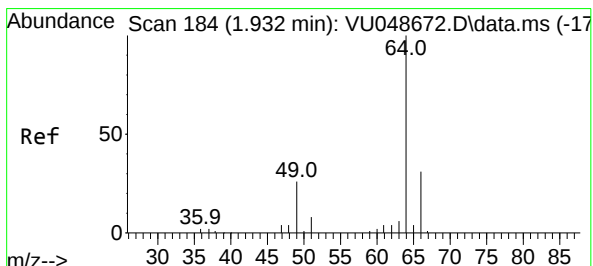
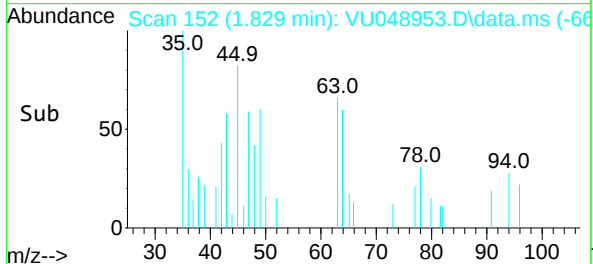
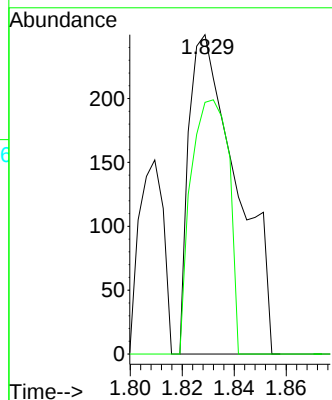
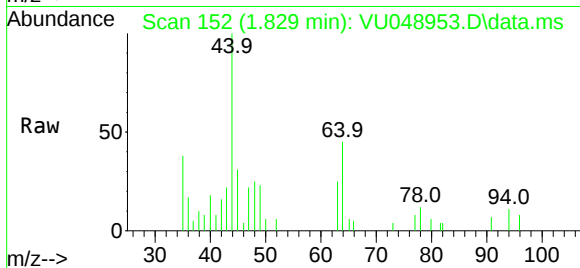




#5
Bromomethane
Concen: Below Cal
RT: 1.829 min Scan# 11
Delta R.T. -0.022 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

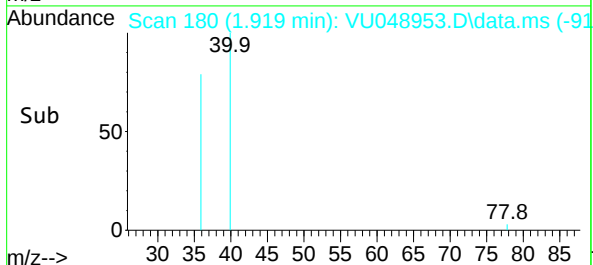
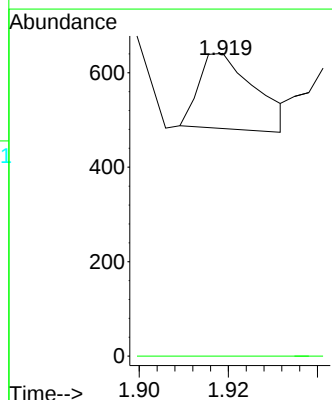
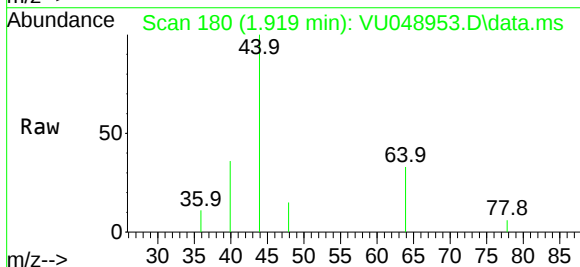
Instrument :
MSVOA_U
ClientSampleId :
VU0608MBL01

Tgt Ion: 94 Resp: 322
Ion Ratio Lower Upper
94 100
96 78.8 75.1 112.7



#6
Chloroethane
Concen: Below Cal
RT: 1.919 min Scan# 180
Delta R.T. -0.013 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

Tgt Ion: 64 Resp: 139
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

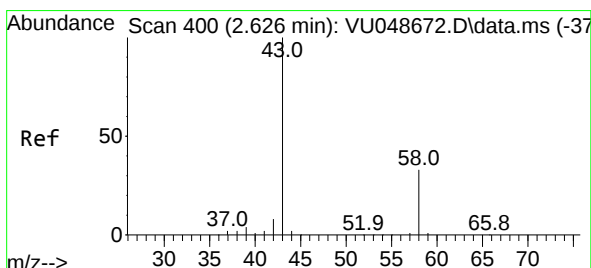
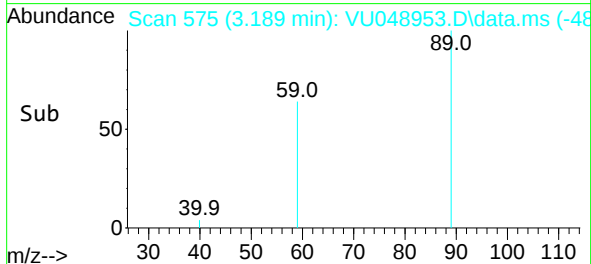
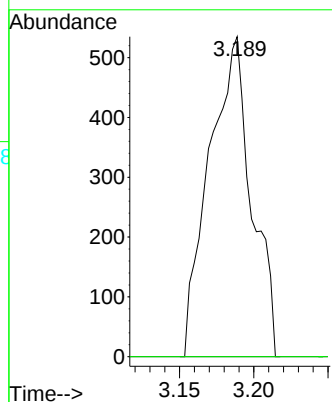
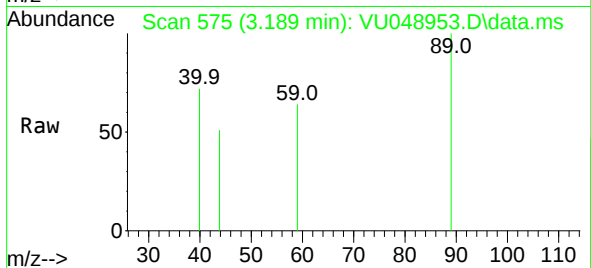




#11
Tert butyl alcohol
Concen: 1.181 ug/l
RT: 3.189 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

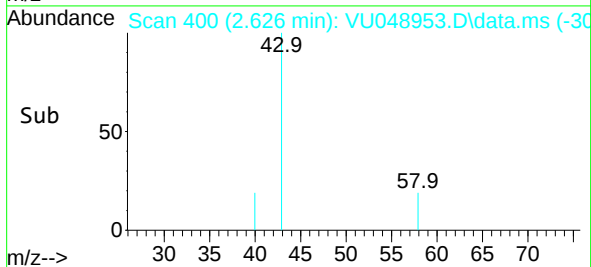
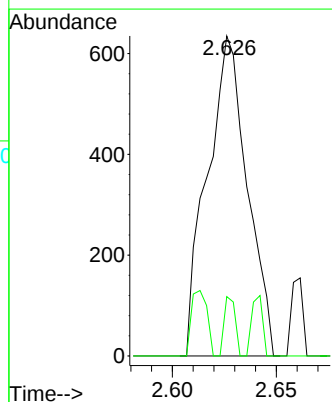
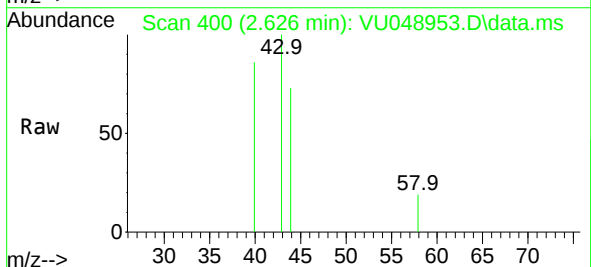
Instrument :
MSVOA_U
ClientSampleId :
VU0608MBL01

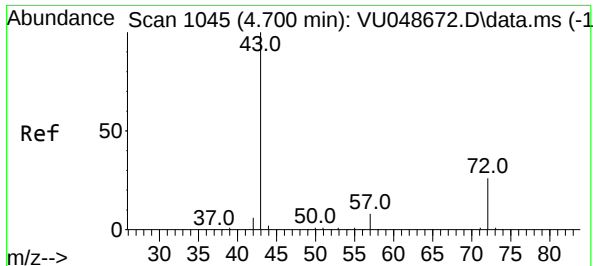
Tgt Ion: 59 Resp: 1059
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#16
Acetone
Concen: 0.471 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

Tgt Ion: 43 Resp: 849
Ion Ratio Lower Upper
43 100
58 18.6 26.3 39.5#





#25

2-Butanone

Concen: 0.773 ug/l

RT: 4.719 min Scan# 1051

Delta R.T. 0.019 min

Lab File: VU048953.D

Acq: 08 Jun 2022 11:00

Instrument :

MSVOA_U

ClientSampleId :

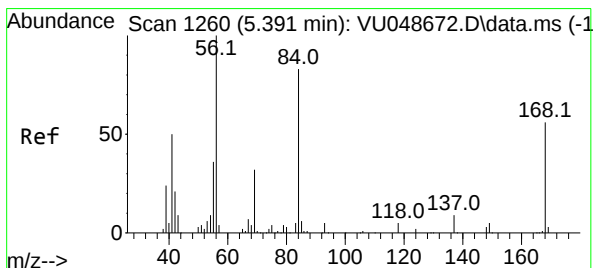
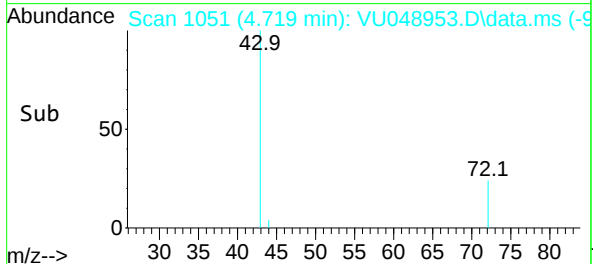
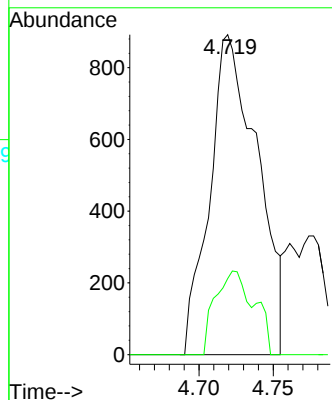
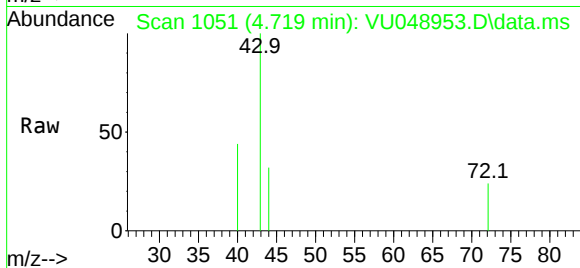
VU0608MBL01

Tgt Ion: 43 Resp: 2002

Ion Ratio Lower Upper

43 100

72 23.8 21.1 31.7



#31

Cyclohexane

Concen: 1.132 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.023 min

Lab File: VU048953.D

Acq: 08 Jun 2022 11:00

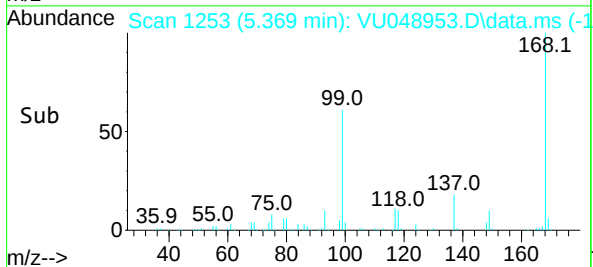
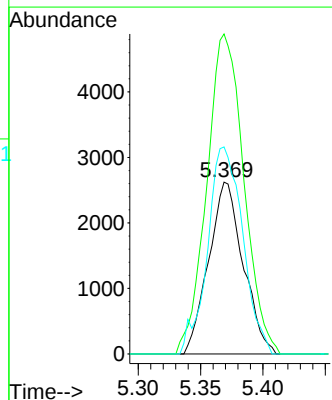
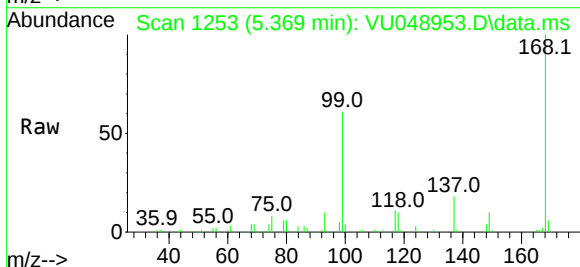
Tgt Ion: 56 Resp: 5047

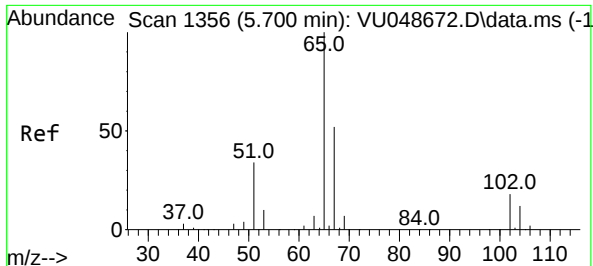
Ion Ratio Lower Upper

56 100

69 186.2 25.6 38.4#

84 120.5 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 52.674 ug/l

RT: 5.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048953.D

Acq: 08 Jun 2022 11:00

Instrument :

MSVOA_U

ClientSampleId :

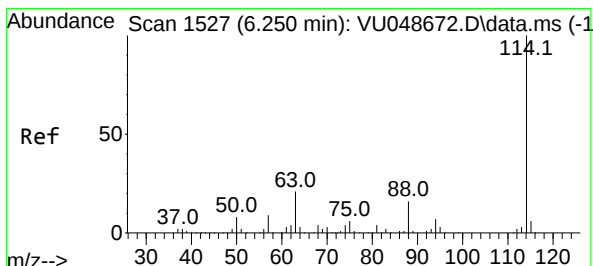
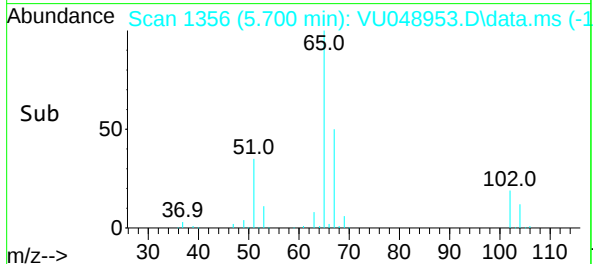
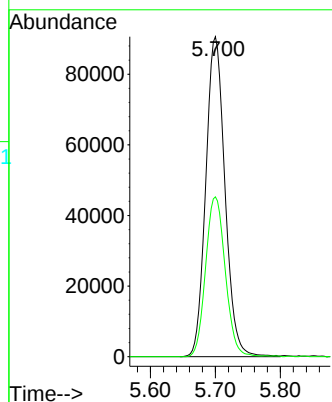
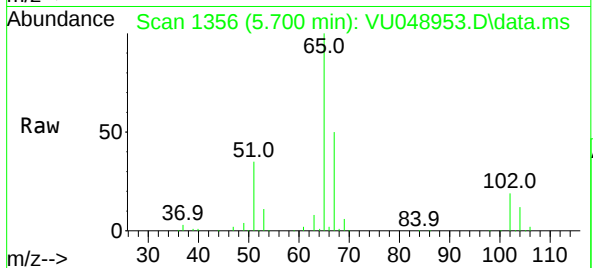
VU0608MBL01

Tgt Ion: 65 Resp: 186275

Ion Ratio Lower Upper

65 100

67 51.1 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: VU048953.D

Acq: 08 Jun 2022 11:00

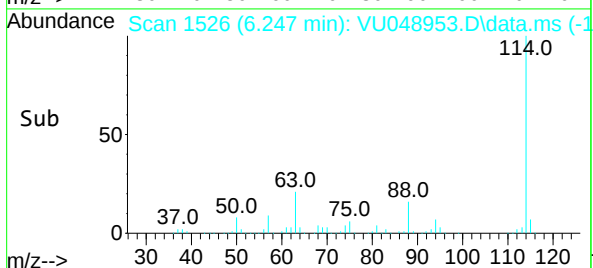
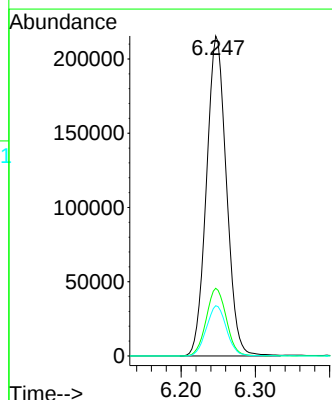
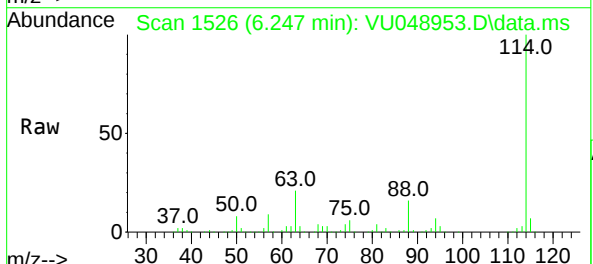
Tgt Ion: 114 Resp: 401320

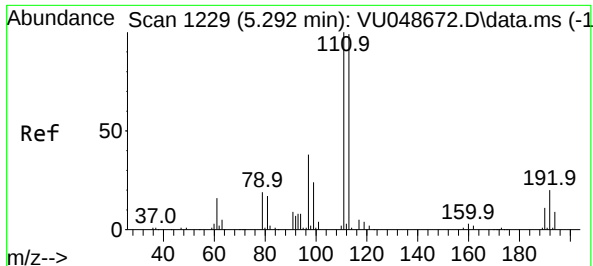
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

88 15.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.872 ug/l

RT: 5.288 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048953.D

Acq: 08 Jun 2022 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU0608MBL01

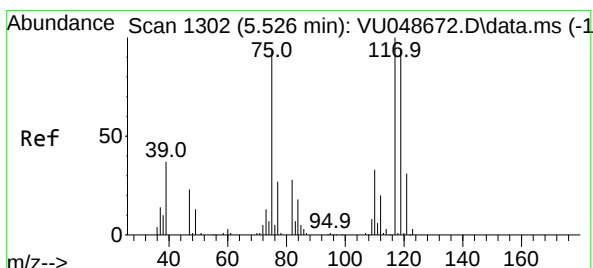
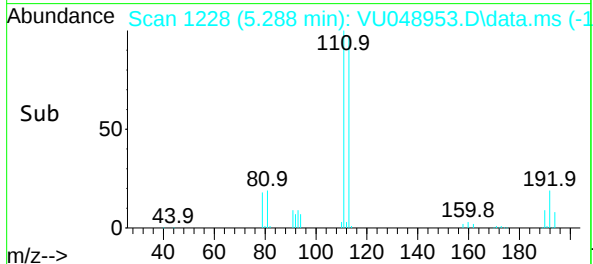
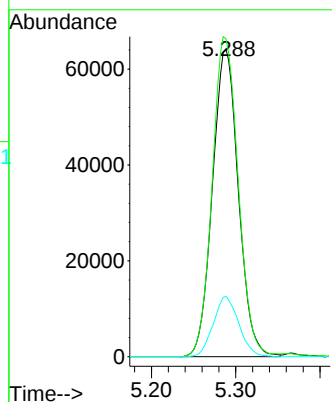
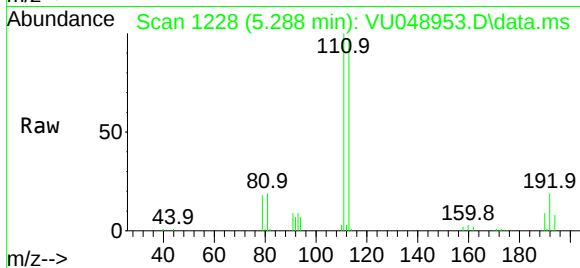
Tgt Ion:113 Resp: 137062

Ion Ratio Lower Upper

113 100

111 104.4 80.7 121.1

192 19.3 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.679 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.158 min

Lab File: VU048953.D

Acq: 08 Jun 2022 11:00

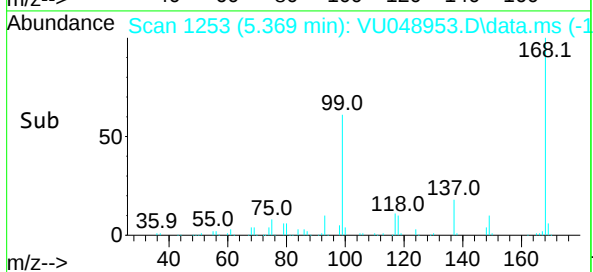
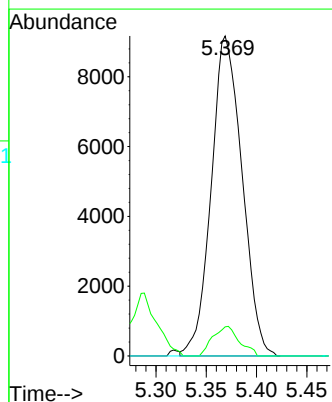
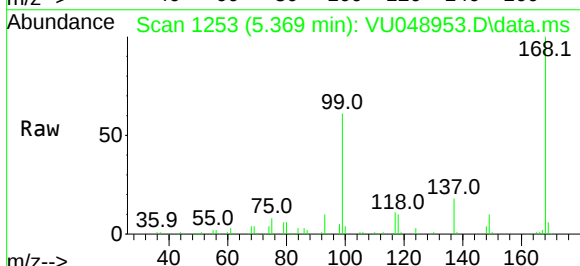
Tgt Ion: 75 Resp: 19552

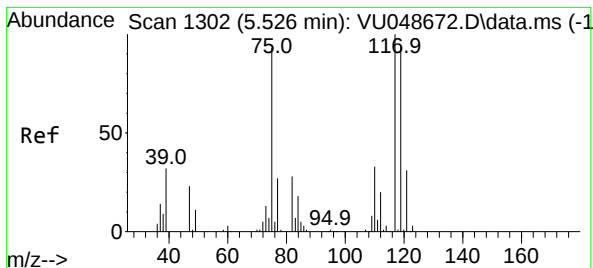
Ion Ratio Lower Upper

75 100

110 8.0 17.4 52.3#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.187 ug/l

RT: 5.369 min Scan# 11

Delta R.T. -0.158 min

Lab File: VU048953.D

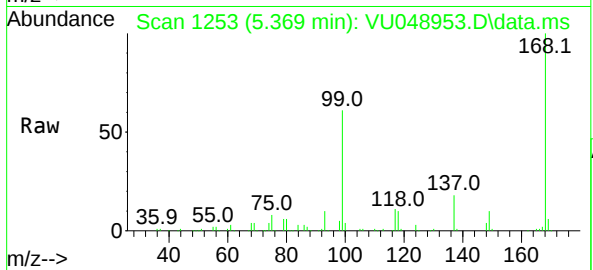
Acq: 08 Jun 2022 11:00

Instrument :

MSVOA_U

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VU0608MBL01



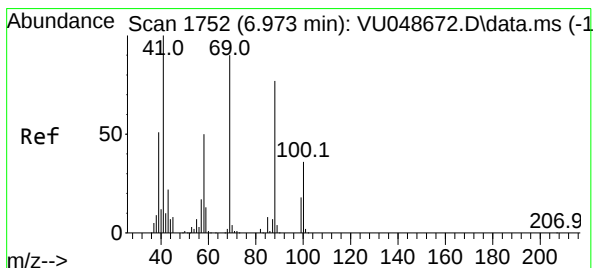
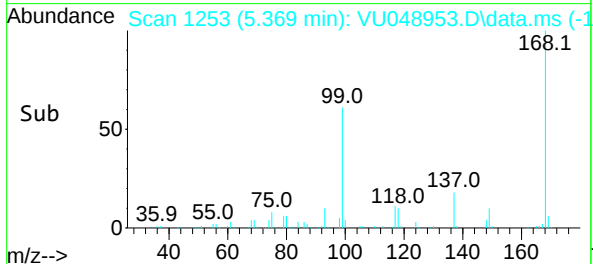
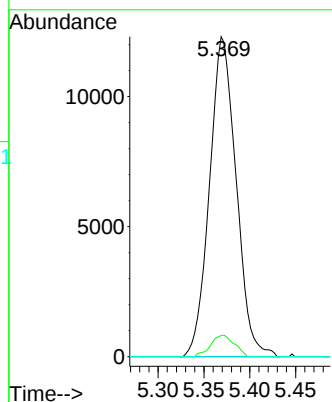
Tgt Ion:117 Resp: 24866

Ion Ratio Lower Upper

117 100

119 6.6 75.4 113.2#

121 0.0 24.6 36.8#



#49

1,4-Dioxane

Concen: 1.326 ug/l

RT: 6.970 min Scan# 1751

Delta R.T. -0.003 min

Lab File: VU048953.D

Acq: 08 Jun 2022 11:00

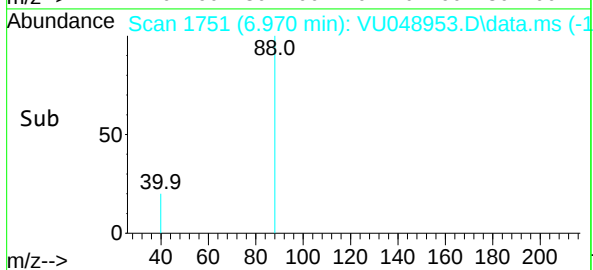
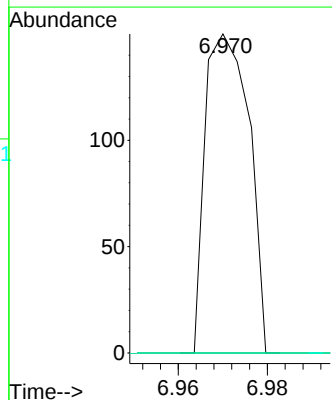
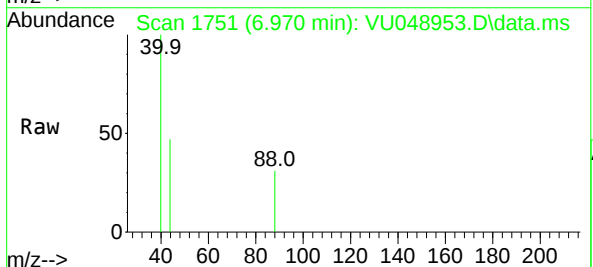
Tgt Ion: 88 Resp: 102

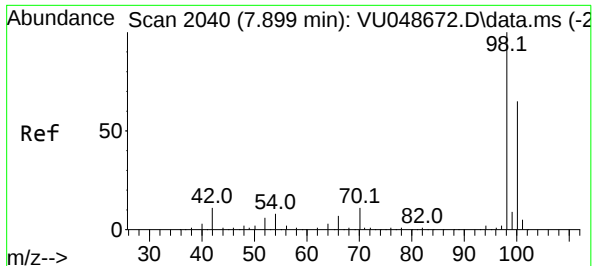
Ion Ratio Lower Upper

88 100

43 0.0 24.6 36.8#

58 0.0 54.7 82.1#

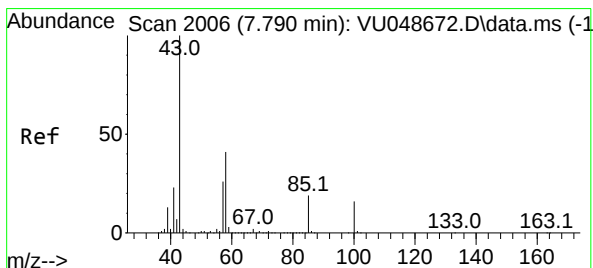
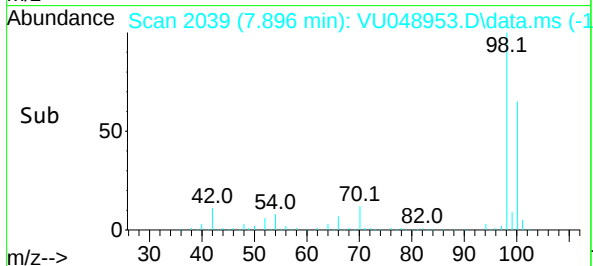
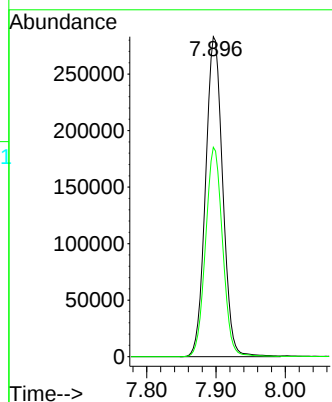
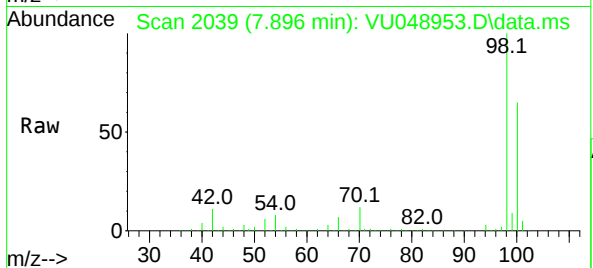




#50
Toluene-d8
Concen: 47.320 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

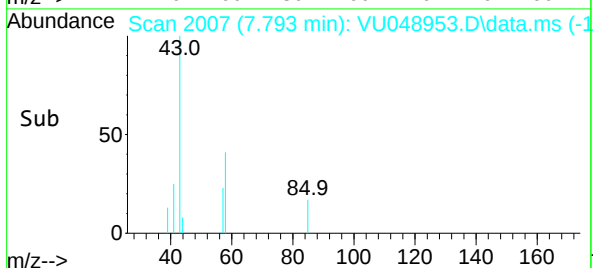
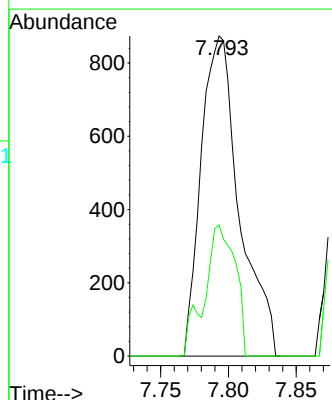
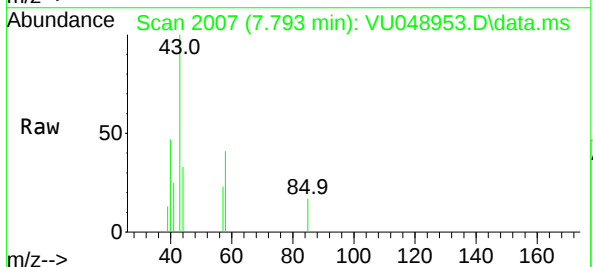
Instrument :
MSVOA_U
ClientSampleId :
VU0608MBL01

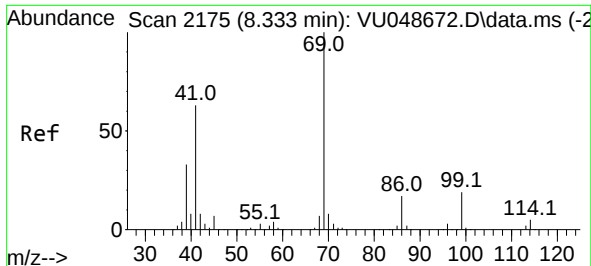
Tgt Ion: 98 Resp: 485657
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.345 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. 0.003 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

Tgt Ion: 43 Resp: 1717
Ion Ratio Lower Upper
43 100
58 27.7 32.7 49.1#

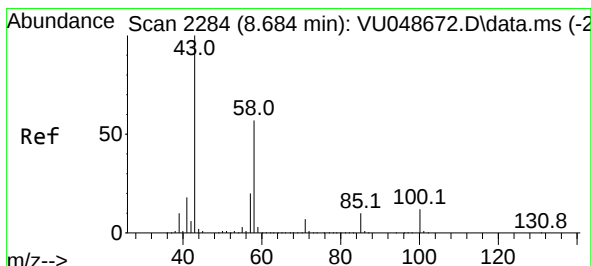
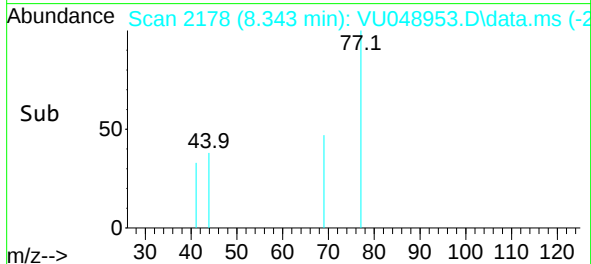
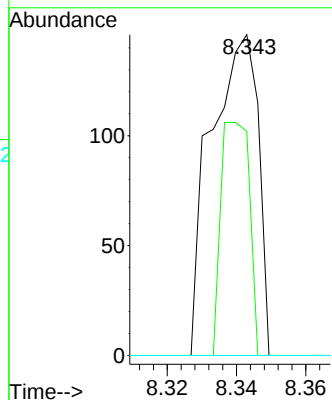
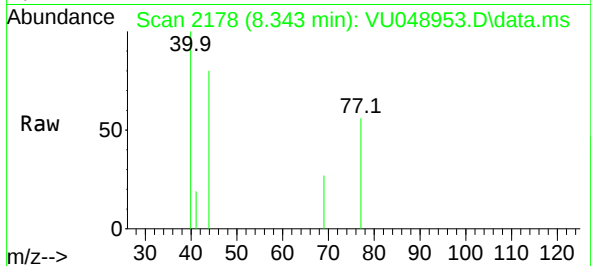




#56
Ethyl methacrylate
Concen: 2.639 ug/l
RT: 8.343 min Scan# 2175
Delta R.T. 0.010 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

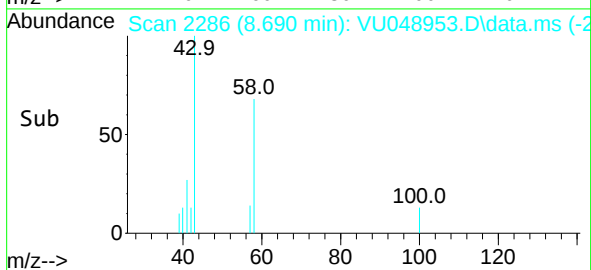
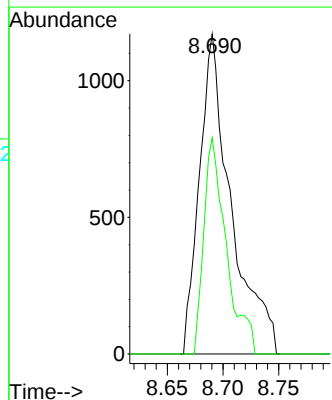
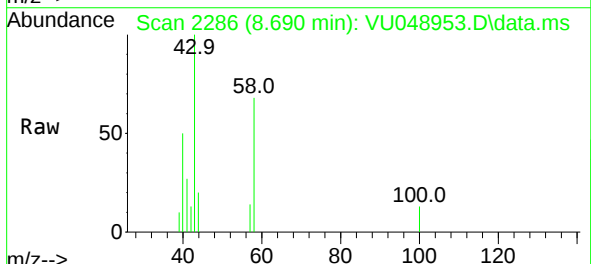
Instrument :
MSVOA_U
ClientSampleId :
VU0608MBL01

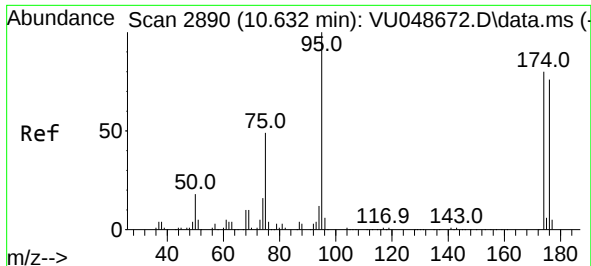
Tgt Ion: 69 Resp: 138
Ion Ratio Lower Upper
69 100
41 44.2 50.6 76.0#
39 0.0 26.6 40.0#



#59
2-Hexanone
Concen: 0.567 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

Tgt Ion: 43 Resp: 2316
Ion Ratio Lower Upper
43 100
58 47.8 28.2 84.6

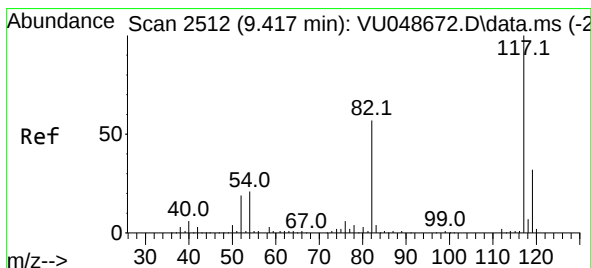
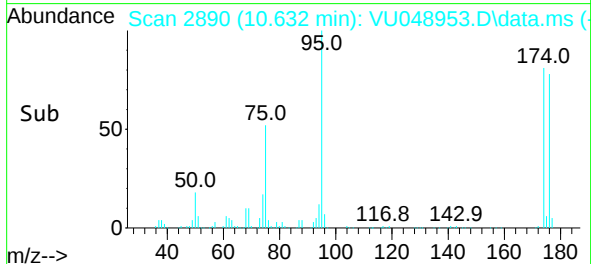
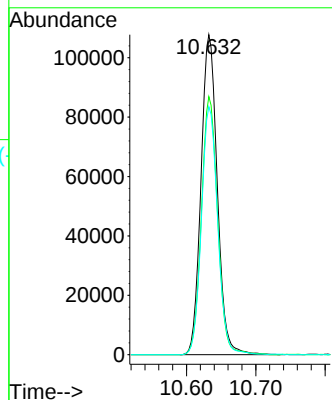
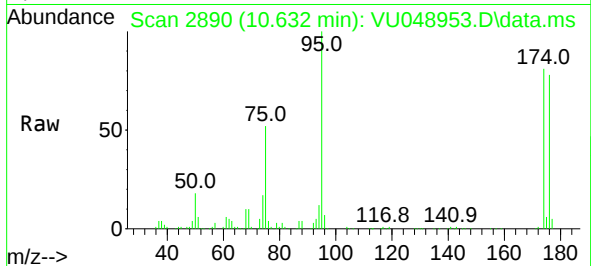




#62
4-Bromofluorobenzene
Concen: 45.238 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

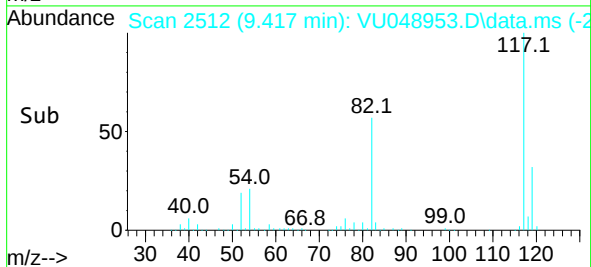
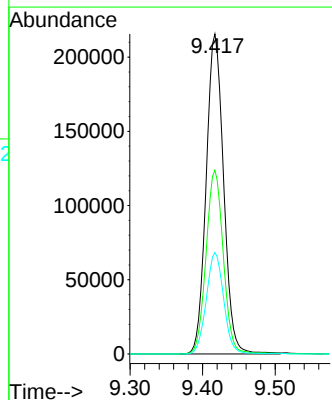
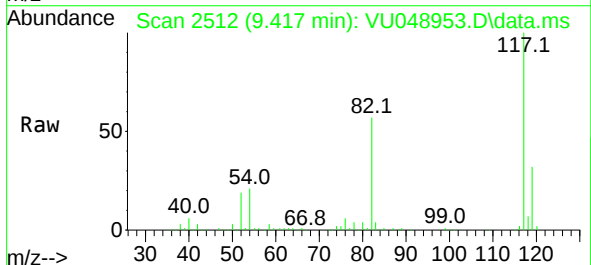
Instrument :
MSVOA_U
ClientSampleId :
VU0608MBL01

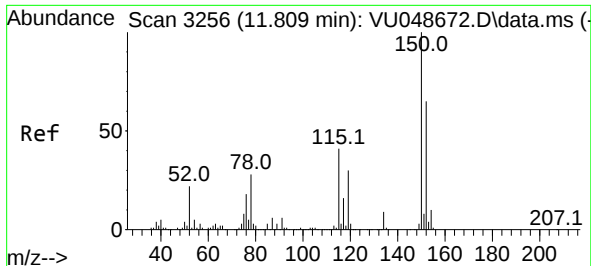
Tgt Ion: 95 Resp: 175588
Ion Ratio Lower Upper
95 100
174 80.2 0.0 159.4
176 77.4 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

Tgt Ion: 117 Resp: 360482
Ion Ratio Lower Upper
117 100
82 57.4 45.3 67.9
119 31.7 25.4 38.2

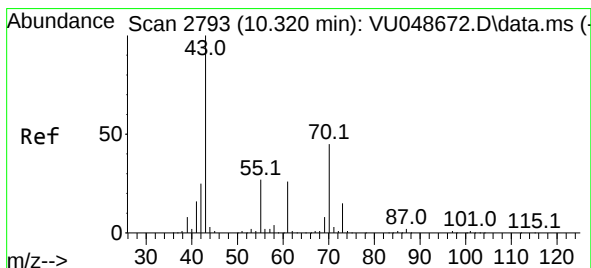
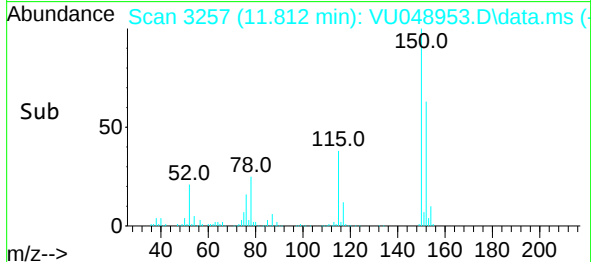
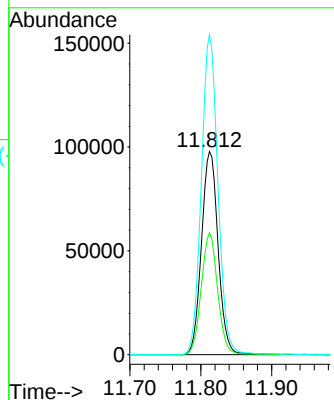
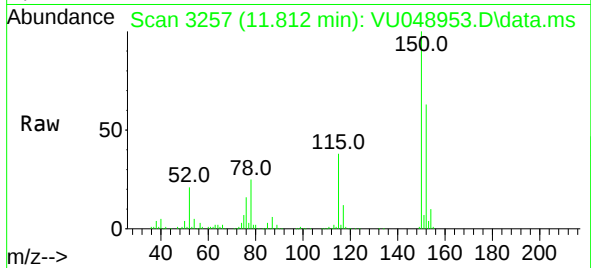




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

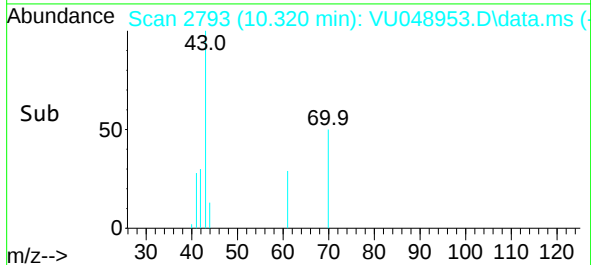
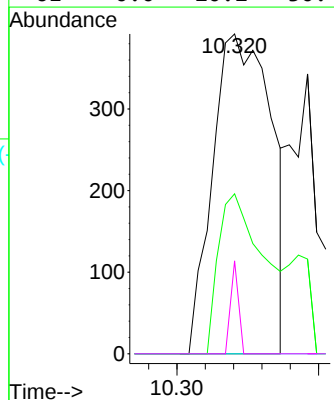
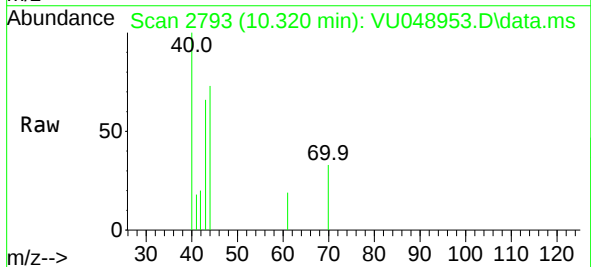
Instrument :
MSVOA_U
ClientSampleId :
VU0608MBL01

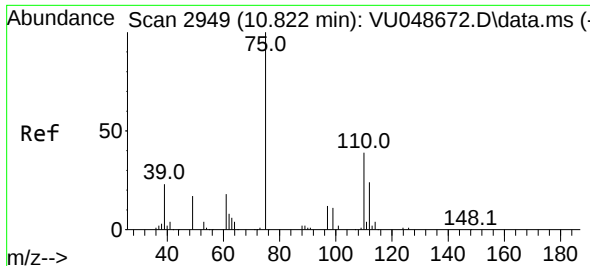
Tgt Ion:152 Resp: 159306
Ion Ratio Lower Upper
152 100
115 59.1 41.8 125.4
150 156.6 0.0 341.0



#74
N-ethyl acetate
Concen: 2.570 ug/l
RT: 10.320 min Scan# 2793
Delta R.T. 0.000 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

Tgt Ion: 43 Resp: 563
Ion Ratio Lower Upper
43 100
70 38.5 35.8 53.6
55 0.0 21.1 31.7#
61 0.0 20.2 30.4#

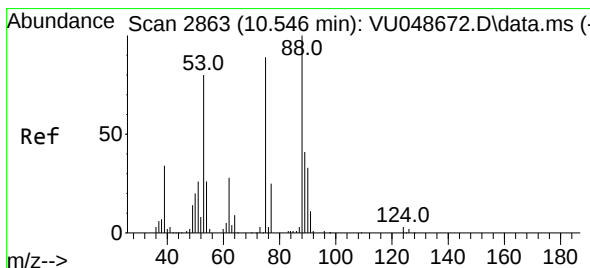
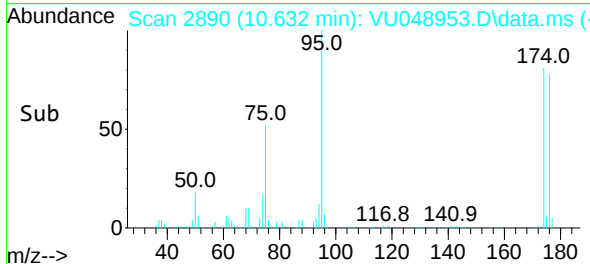
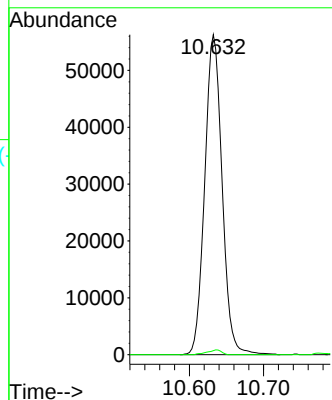
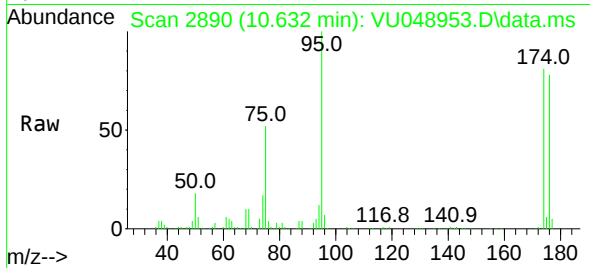




#76
1,2,3-Trichloropropane
Concen: 17.750 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

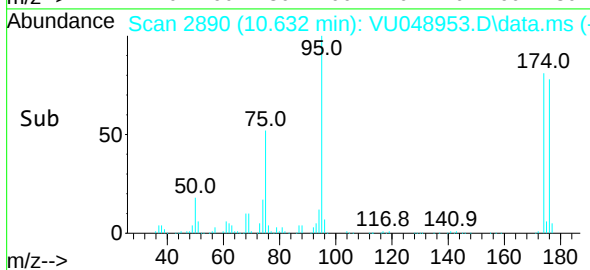
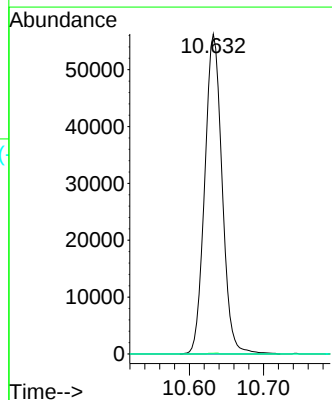
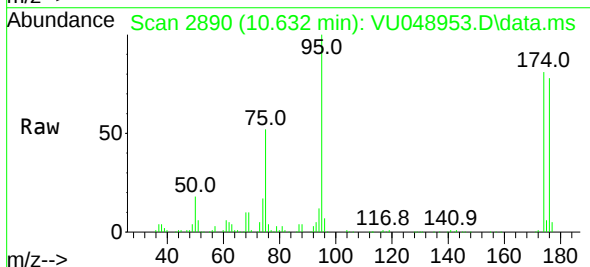
Instrument :
MSVOA_U
ClientSampleId :
VU0608MBL01

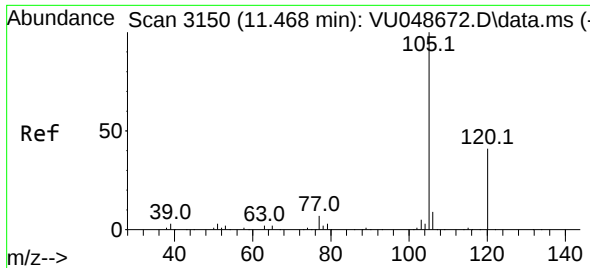
Tgt Ion: 75 Resp: 91171
Ion Ratio Lower Upper
75 100
77 1.2 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.448 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

Tgt Ion: 75 Resp: 91171
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#

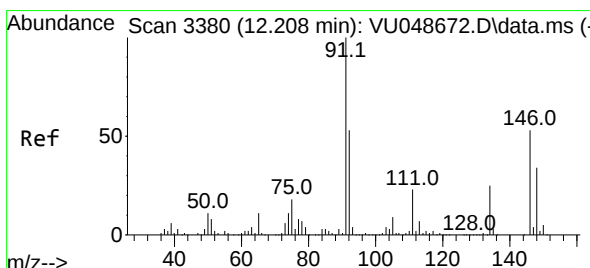
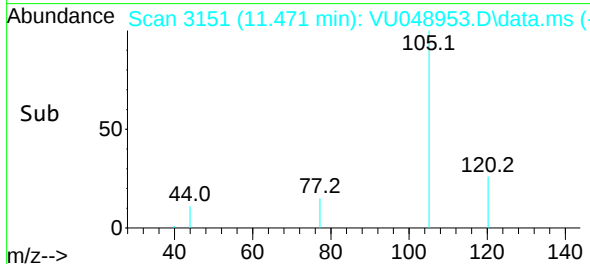
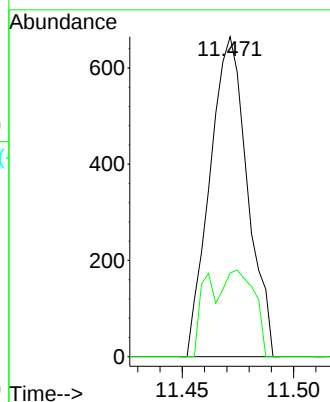
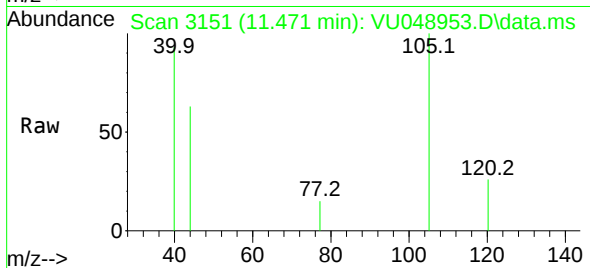




#84
1,2,4-Trimethylbenzene
Concen: 1.266 ug/l
RT: 11.471 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

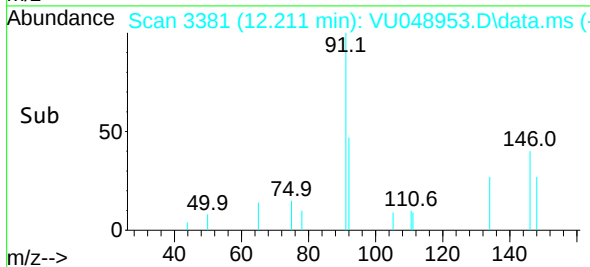
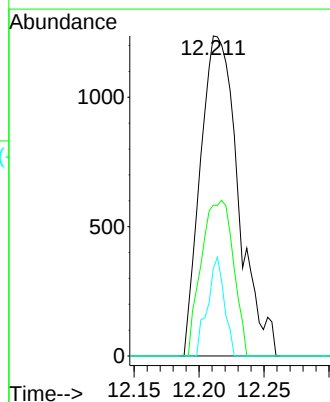
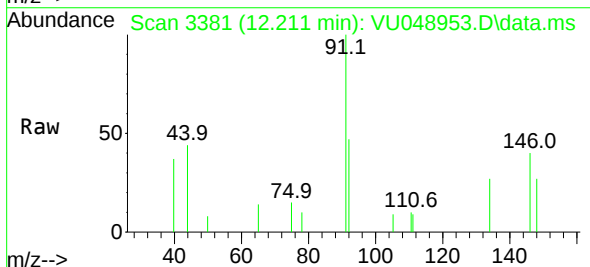
Instrument :
MSVOA_U
ClientSampleId :
VU0608MBL01

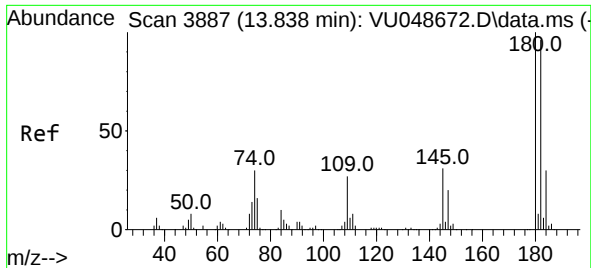
Tgt Ion:105 Resp: 782
Ion Ratio Lower Upper
105 100
120 22.6 22.5 67.5



#89
n-Butylbenzene
Concen: 2.446 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

Tgt Ion: 91 Resp: 2518
Ion Ratio Lower Upper
91 100
92 40.7 25.9 77.8
134 13.5 12.5 37.5

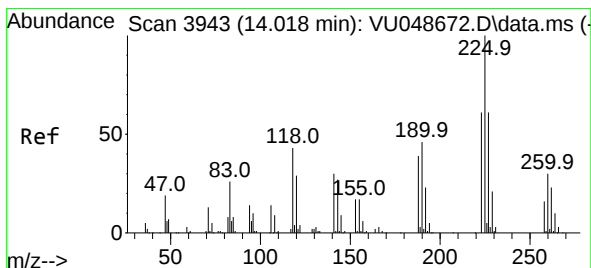
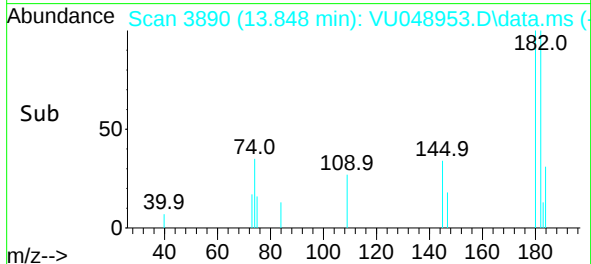
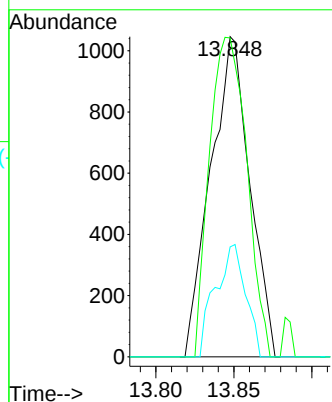
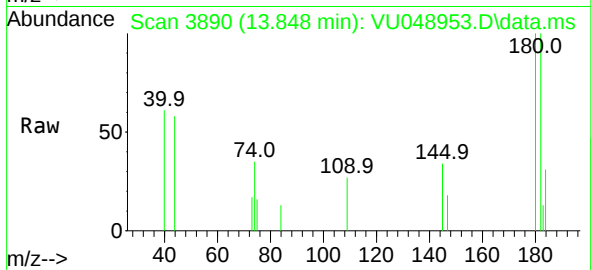




#93
1,2,4-Trichlorobenzene
Concen: 0.508 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.010 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

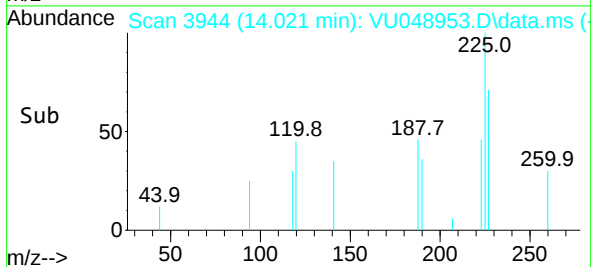
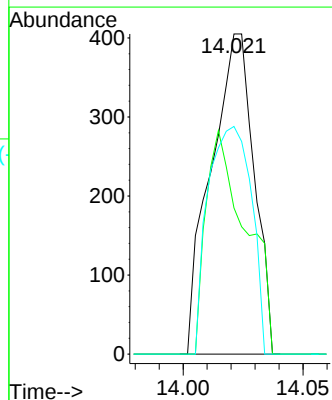
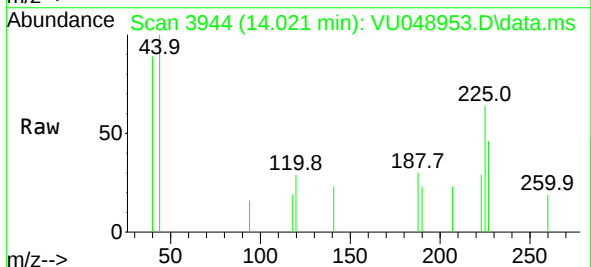
Instrument :
MSVOA_U
ClientSampleId :
VU0608MBL01

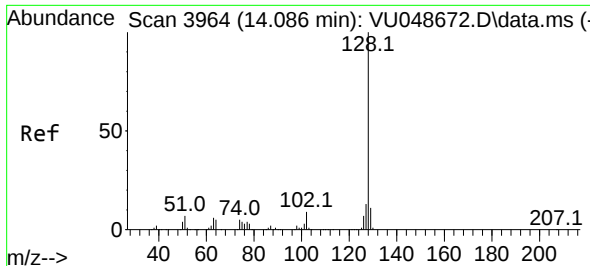
Tgt Ion:180 Resp: 1825
Ion Ratio Lower Upper
180 100
182 95.3 48.3 144.9
145 27.1 15.6 46.7



#94
Hexachlorobutadiene
Concen: 0.294 ug/l
RT: 14.021 min Scan# 3944
Delta R.T. 0.003 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

Tgt Ion:225 Resp: 506
Ion Ratio Lower Upper
225 100
223 64.8 30.9 92.8
227 71.3 31.1 93.5

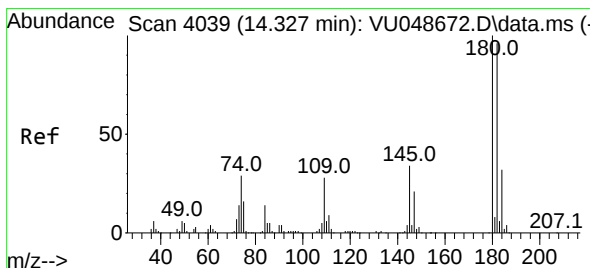
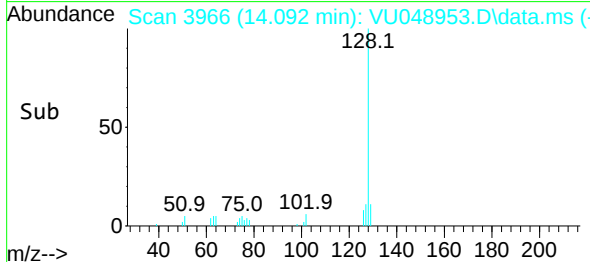
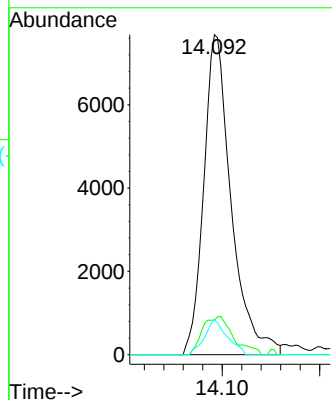
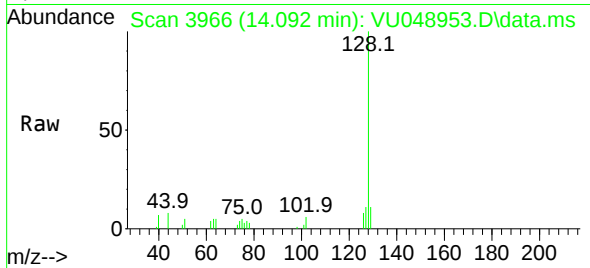




#95
Naphthalene
Concen: 3.670 ug/l
RT: 14.092 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

Instrument :
MSVOA_U
ClientSampleId :
VU0608MBL01

Tgt Ion:128	Resp:	15026
Ion Ratio	Lower	Upper
128	100	
127	13.4	10.2 15.4
129	8.9	8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.686 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU048953.D
Acq: 08 Jun 2022 11:00

Tgt Ion:180	Resp:	2438
Ion Ratio	Lower	Upper
180	100	
182	101.3	47.4 142.2
145	28.6	16.6 49.8

