

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048798.D
 Acq On : 02 Jun 2022 12:56
 Operator : SY/MD
 Sample : VU0602WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0602WBL01

Quant Time: Jun 02 15:52:40 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)

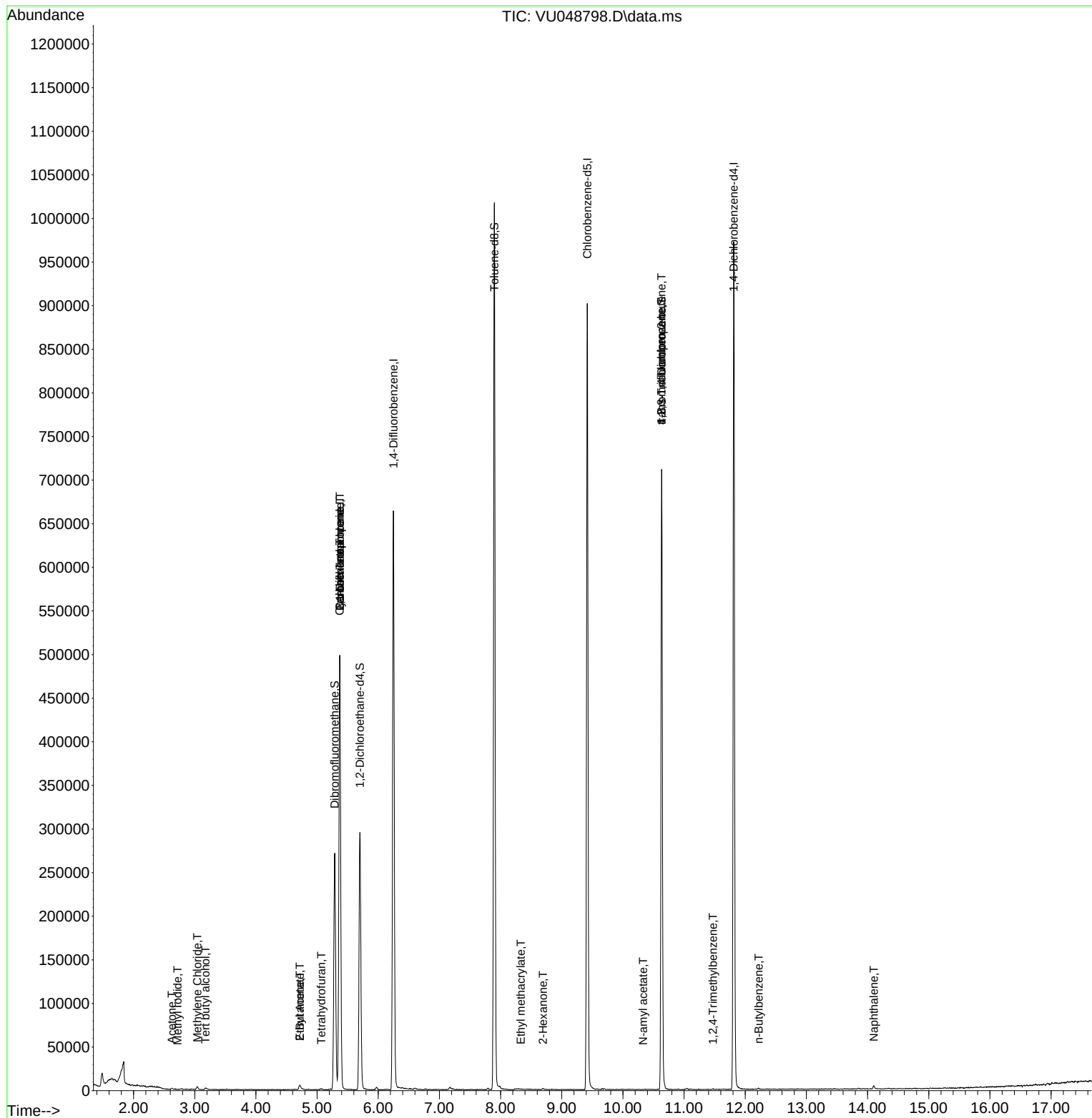
Internal Standards						
1) Pentafluorobenzene	5.372	168	338324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	542573	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	502751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	257013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	225492	44.380	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.760%		
35) Dibromofluoromethane	5.288	113	175590	45.362	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.720%		
50) Toluene-d8	7.899	98	674571	48.616	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.240%		
62) 4-Bromofluorobenzene	10.632	95	247071	47.083	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.160%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.832	94	865	Below Cal	#	61
6) Chloroethane	1.960	64	214	Below Cal	#	43
10) Methyl Iodide	2.719	142	239	3.046	ug/l #	63
11) Tert butyl alcohol	3.176	59	1364	1.059	ug/l #	28
13) Acrolein	2.475	56	20	Below Cal	#	14
16) Acetone	2.626	43	1633	0.631	ug/l	88
20) Methylene Chloride	3.041	84	1657	0.376	ug/l	86
25) 2-Butanone	4.716	43	9103	2.447	ug/l	91
29) Tetrahydrofuran	5.070	42	556	0.237	ug/l #	64
31) Cyclohexane	5.369	56	6485	1.013	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	28183	4.989	ug/l #	48
37) Ethyl Acetate	4.716	43	9103	1.275	ug/l #	68
38) Carbon Tetrachloride	5.372	117	34487	5.321	ug/l #	16
56) Ethyl methacrylate	8.333	69	39	2.619	ug/l #	26
59) 2-Hexanone	8.693	43	1348	0.244	ug/l	65
74) N-amyl acetate	10.330	43	41	2.472	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	125297	15.120	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	125297	54.900	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.471	105	565	1.222	ug/l	94
89) n-Butylbenzene	12.221	91	555	2.221	ug/l #	62
95) Naphthalene	14.101	128	4432	2.741	ug/l	95

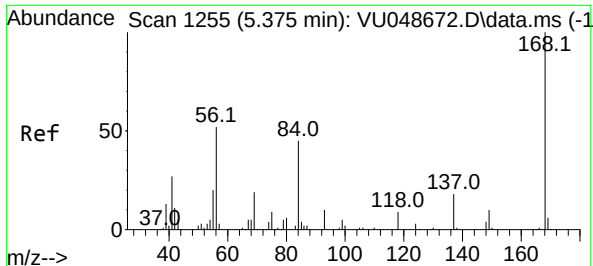
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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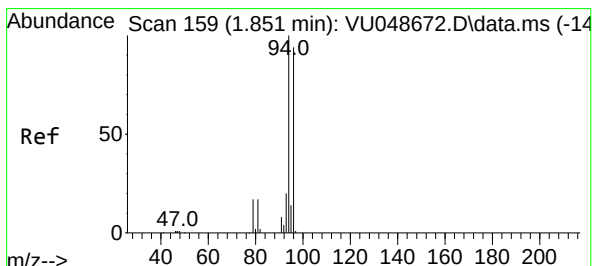
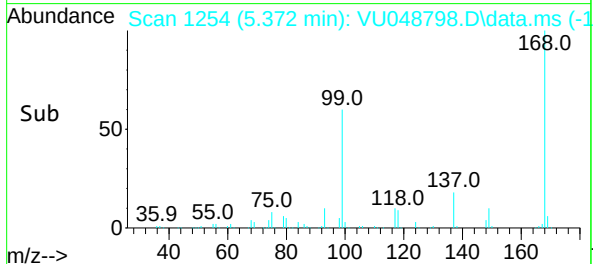
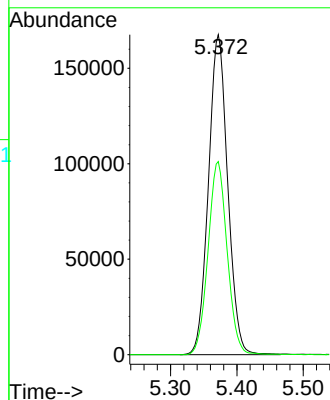
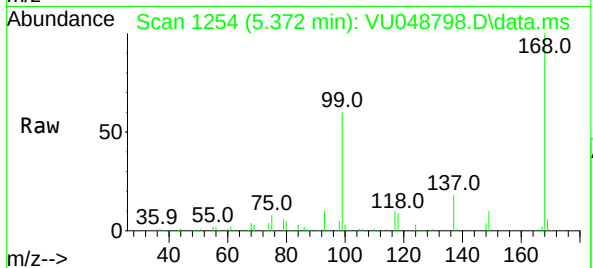




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

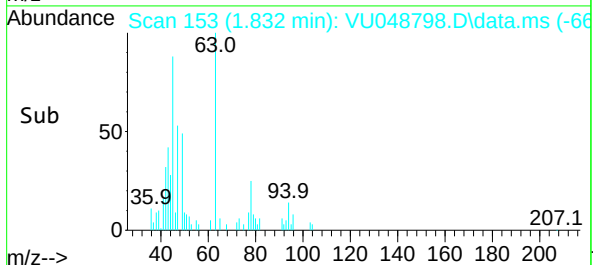
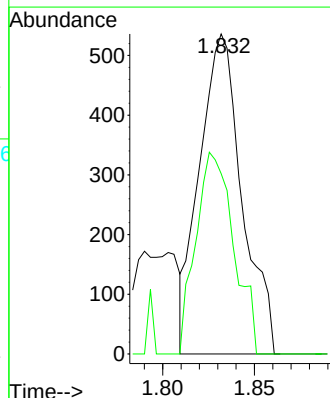
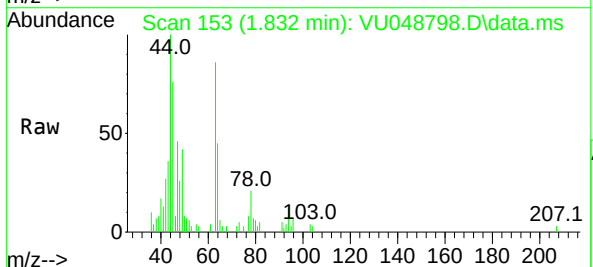
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL01

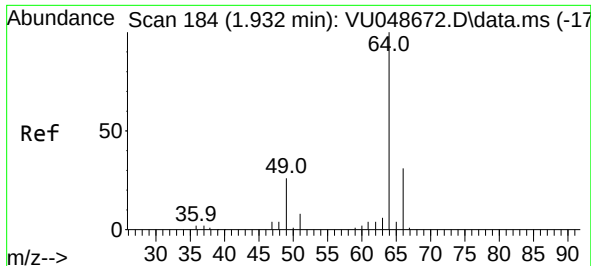
Tgt Ion:168 Resp: 338324
Ion Ratio Lower Upper
168 100
99 60.4 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.832 min Scan# 153
Delta R.T. -0.019 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

Tgt Ion: 94 Resp: 865
Ion Ratio Lower Upper
94 100
96 56.3 75.1 112.7#

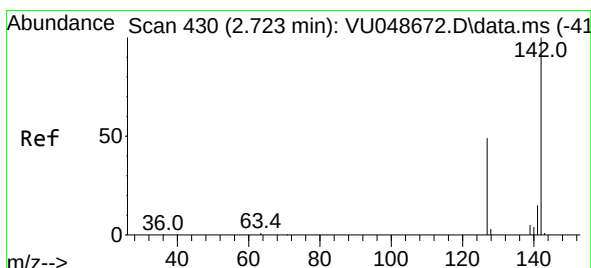
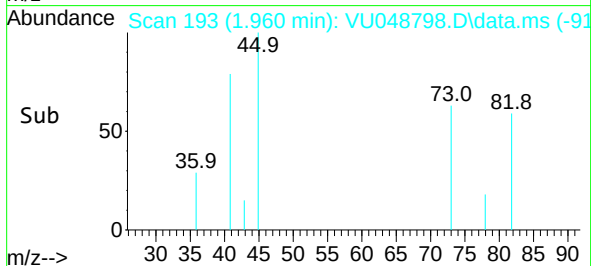
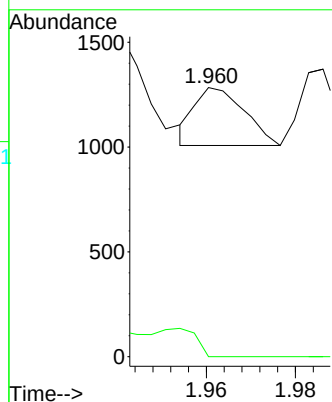
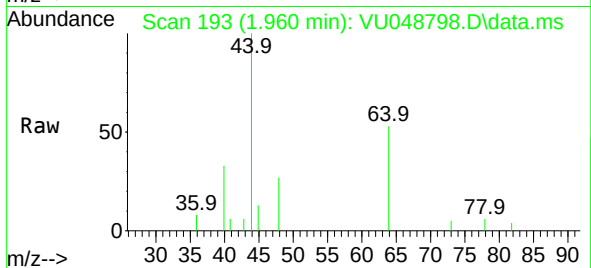




#6
Chloroethane
Concen: Below Cal
RT: 1.960 min Scan# 193
Delta R.T. 0.028 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

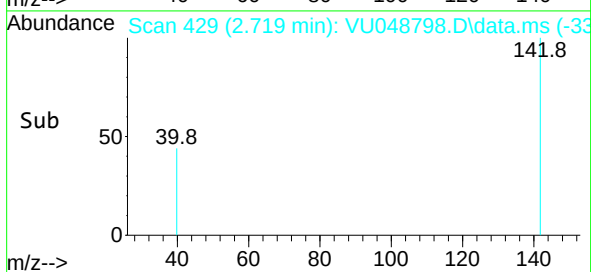
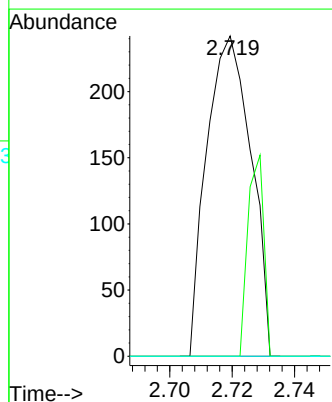
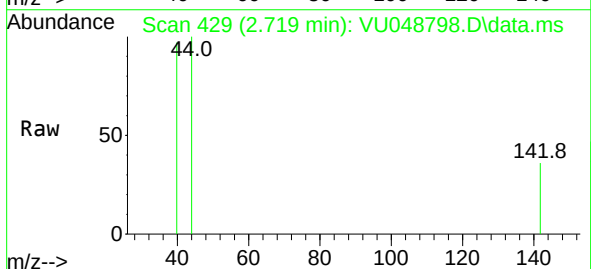
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL01

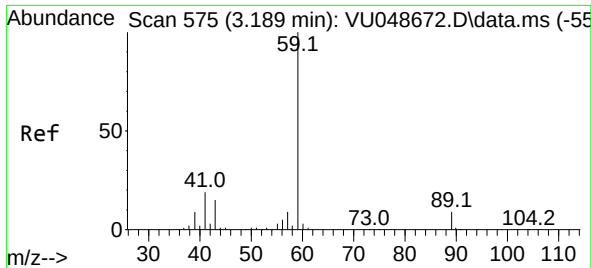
Tgt Ion: 64 Resp: 214
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#10
Methyl Iodide
Concen: 3.046 ug/l
RT: 2.719 min Scan# 429
Delta R.T. -0.004 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

Tgt Ion: 142 Resp: 239
Ion Ratio Lower Upper
142 100
127 22.6 38.4 57.6#
141 0.0 11.5 17.3#

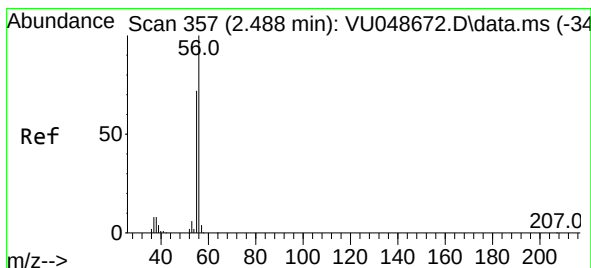
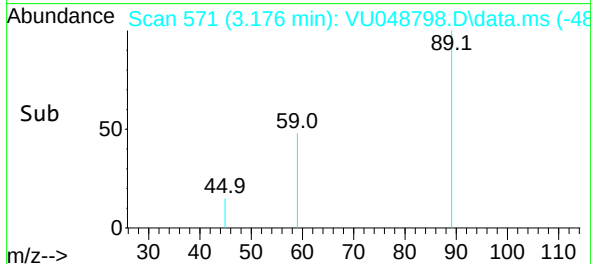
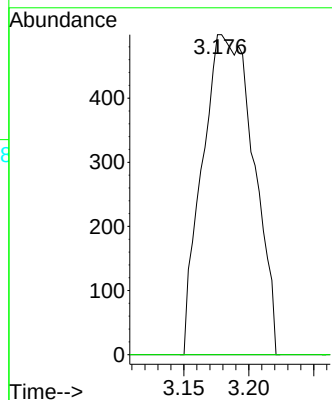
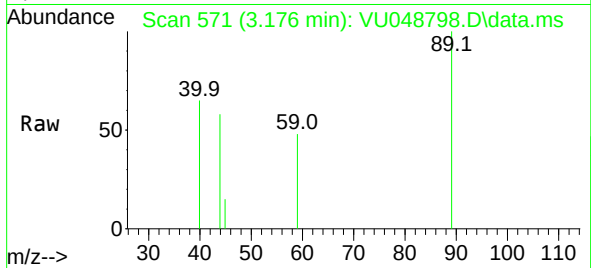




#11
Tert butyl alcohol
Concen: 1.059 ug/l
RT: 3.176 min Scan# 51
Delta R.T. -0.013 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

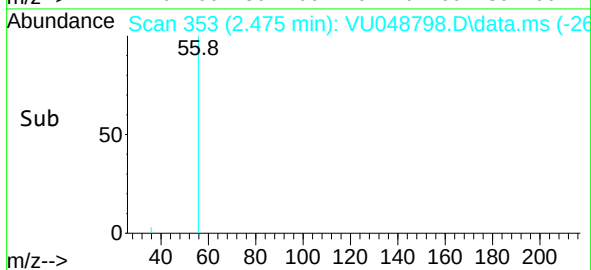
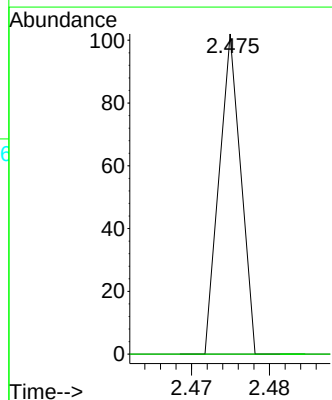
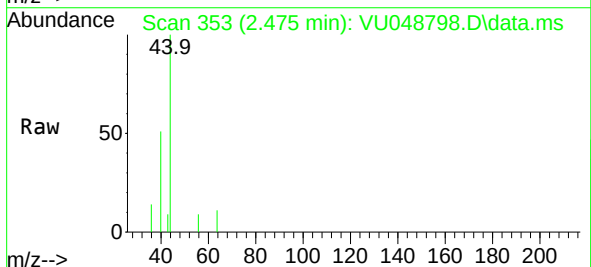
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL01

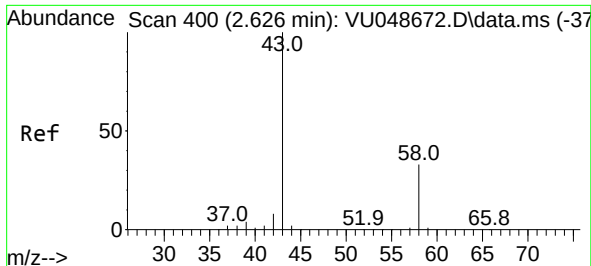
Tgt Ion: 59 Resp: 1364
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.475 min Scan# 353
Delta R.T. -0.013 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#





#16

Acetone

Concen: 0.631 ug/l

RT: 2.626 min Scan# 40

Delta R.T. -0.000 min

Lab File: VU048798.D

Acq: 02 Jun 2022 12:56

Instrument :

MSVOA_U

ClientSampleId :

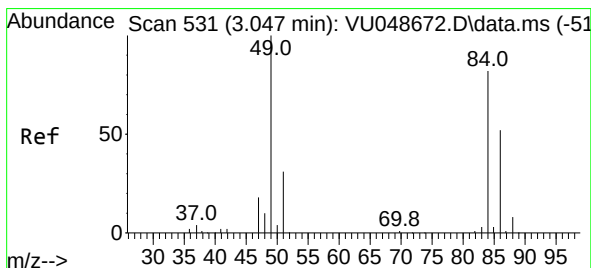
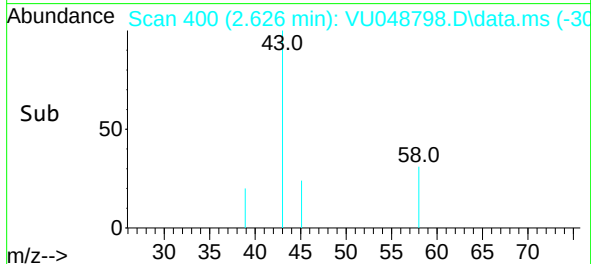
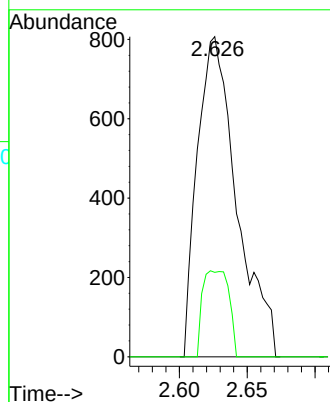
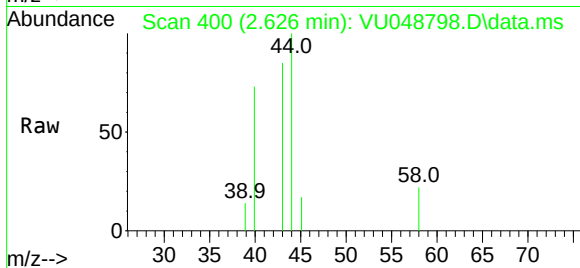
VU0602WBL01

Tgt Ion: 43 Resp: 1633

Ion Ratio Lower Upper

43 100

58 26.4 26.3 39.5



#20

Methylene Chloride

Concen: 0.376 ug/l

RT: 3.041 min Scan# 529

Delta R.T. -0.007 min

Lab File: VU048798.D

Acq: 02 Jun 2022 12:56

Tgt Ion: 84 Resp: 1657

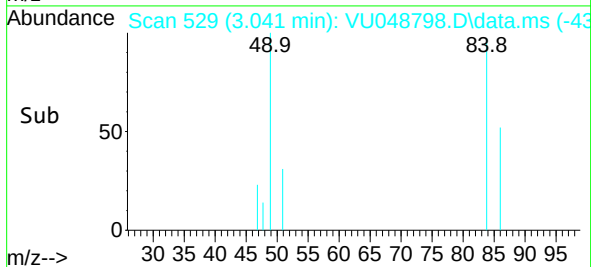
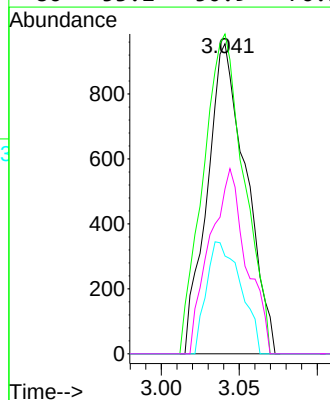
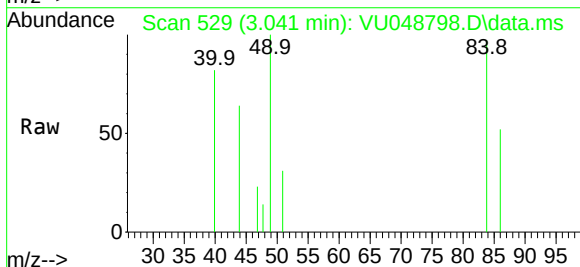
Ion Ratio Lower Upper

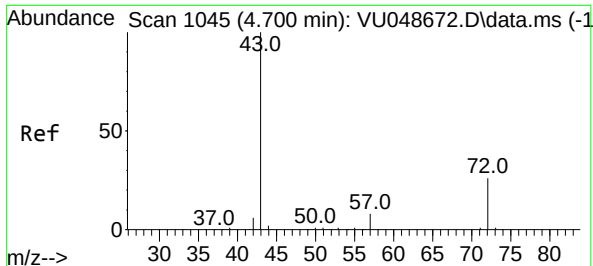
84 100

49 103.1 97.0 145.4

51 31.5 29.8 44.8

86 53.2 50.9 76.3

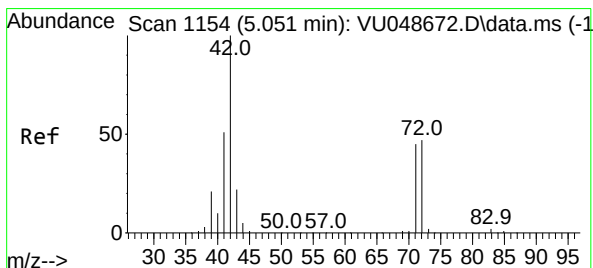
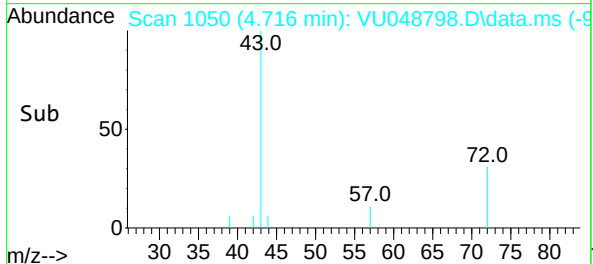
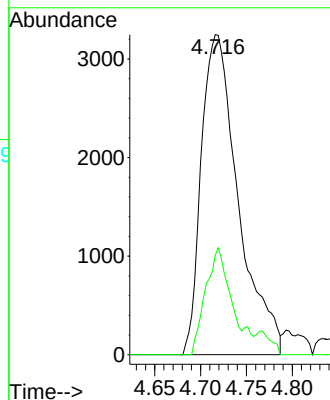
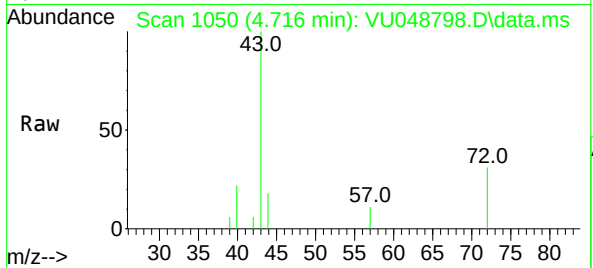




#25
2-Butanone
Concen: 2.447 ug/l
RT: 4.716 min Scan# 1103
Delta R.T. 0.016 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

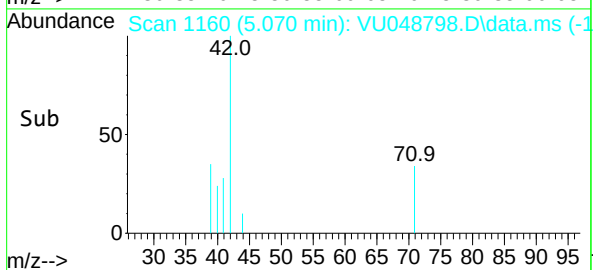
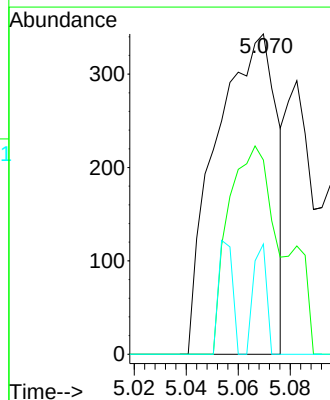
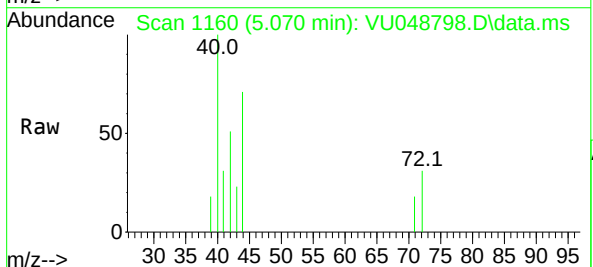
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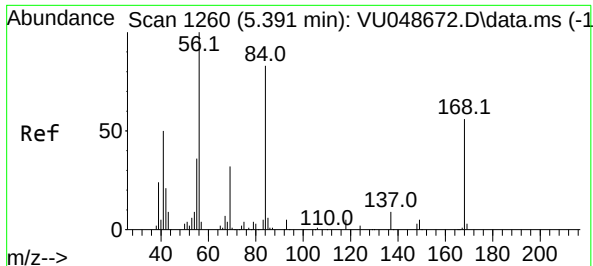
Tgt Ion: 43 Resp: 9103
Ion Ratio Lower Upper
43 100
72 31.1 21.1 31.7



#29
Tetrahydrofuran
Concen: 0.237 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.019 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

Tgt Ion: 42 Resp: 556
Ion Ratio Lower Upper
42 100
72 58.8 37.6 56.4#
71 7.6 35.0 52.4#

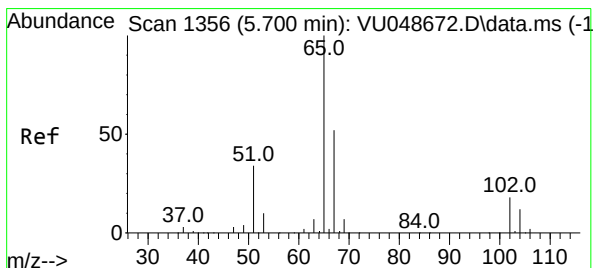
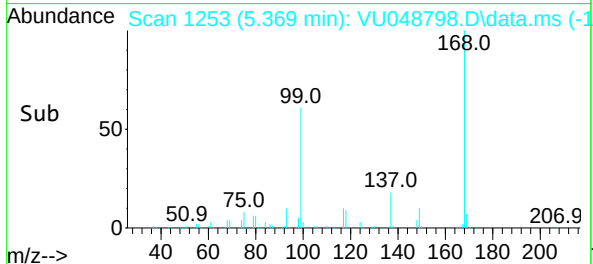
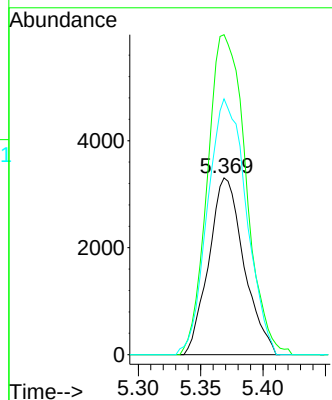
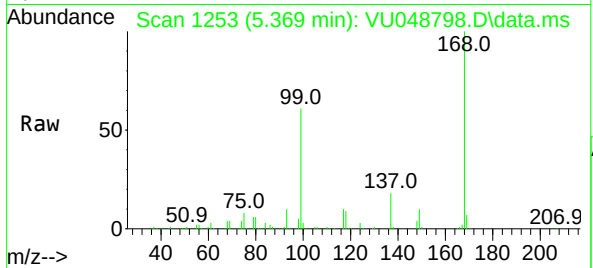




#31
Cyclohexane
Concen: 1.013 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.023 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

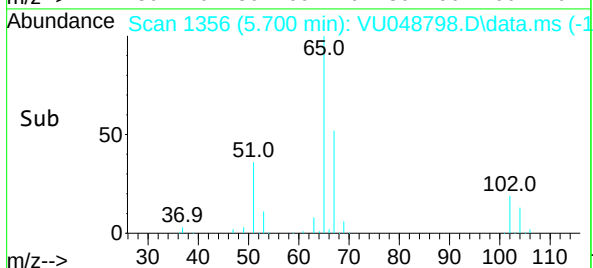
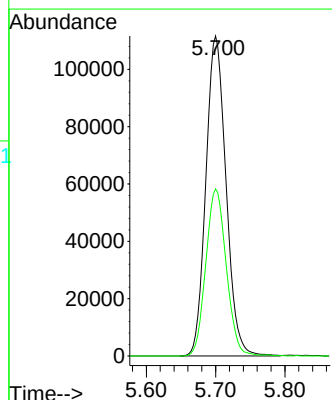
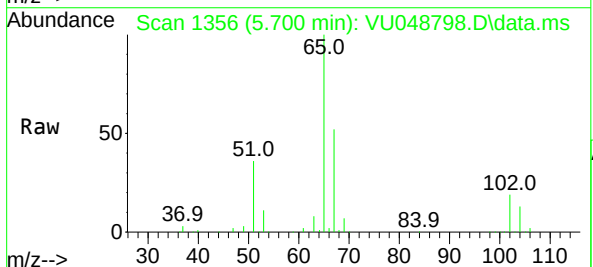
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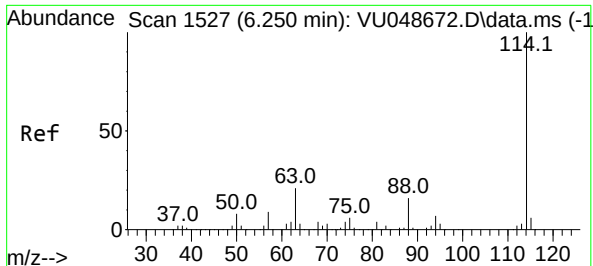
Tgt Ion: 56 Resp: 6485
Ion Ratio Lower Upper
56 100
69 180.9 25.6 38.4#
84 144.6 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 44.380 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. -0.000 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

Tgt Ion: 65 Resp: 225492
Ion Ratio Lower Upper
65 100
67 52.8 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: VU048798.D

Acq: 02 Jun 2022 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU0602WBL01

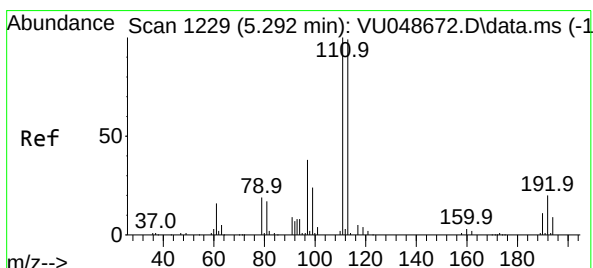
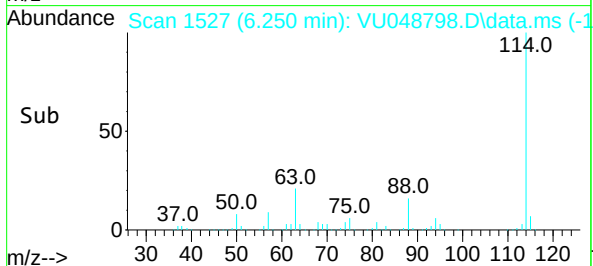
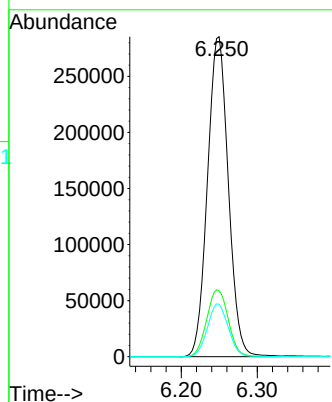
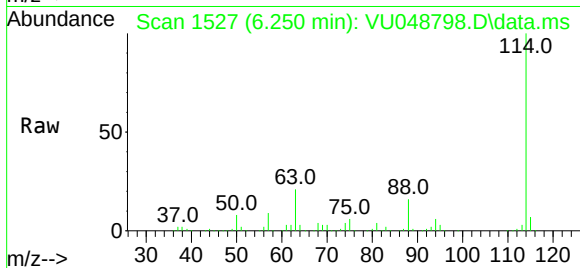
Tgt Ion:114 Resp: 542573

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

88 16.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 45.362 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048798.D

Acq: 02 Jun 2022 12:56

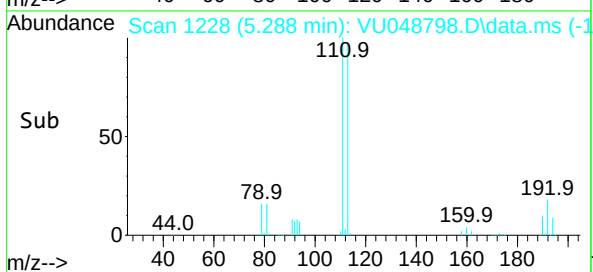
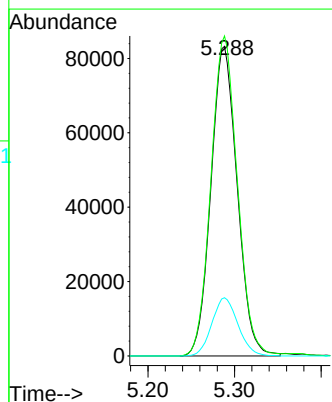
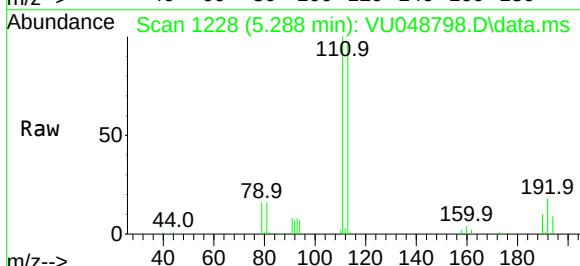
Tgt Ion:113 Resp: 175590

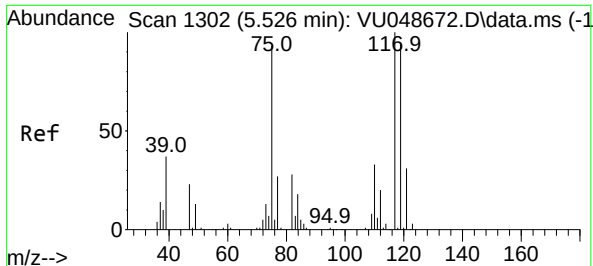
Ion Ratio Lower Upper

113 100

111 104.1 80.7 121.1

192 18.7 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.989 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.155 min

Lab File: VU048798.D

Acq: 02 Jun 2022 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU0602WBL01

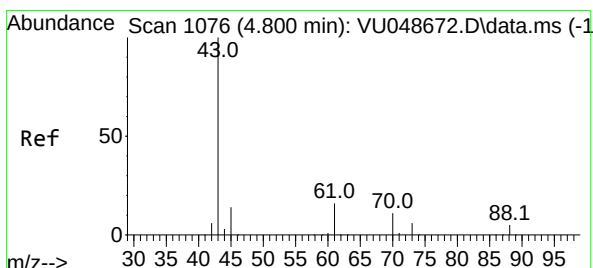
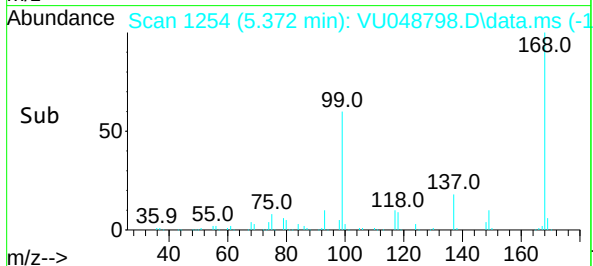
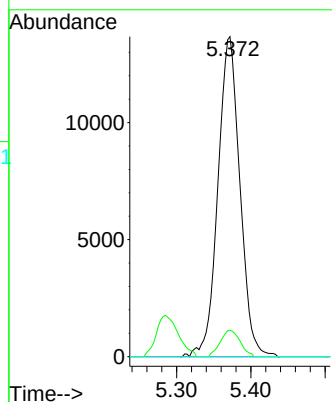
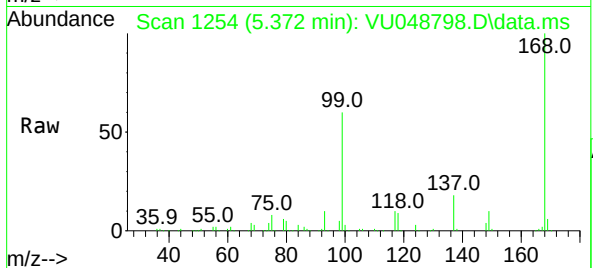
Tgt Ion: 75 Resp: 28183

Ion Ratio Lower Upper

75 100

110 7.4 17.4 52.3#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 1.275 ug/l

RT: 4.716 min Scan# 1050

Delta R.T. -0.084 min

Lab File: VU048798.D

Acq: 02 Jun 2022 12:56

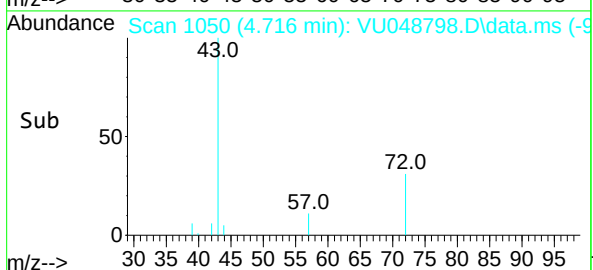
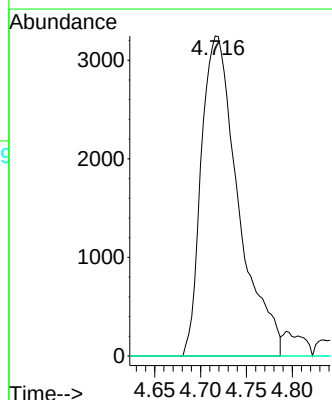
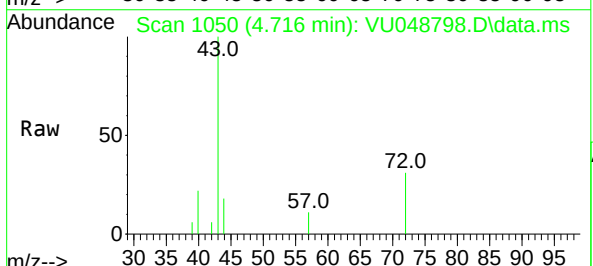
Tgt Ion: 43 Resp: 9103

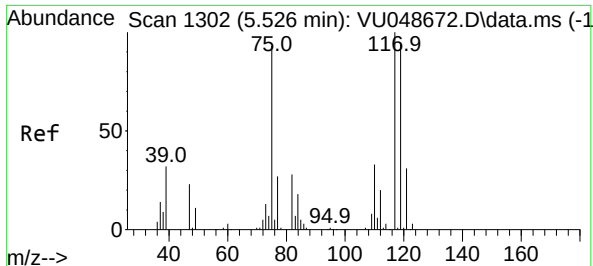
Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

70 0.0 8.4 12.6#

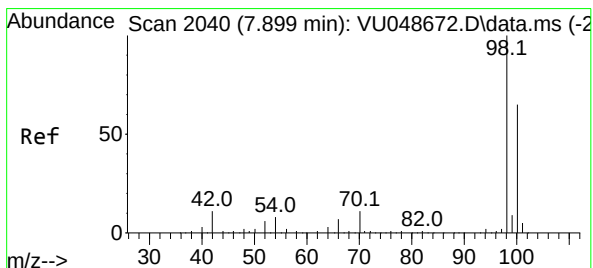
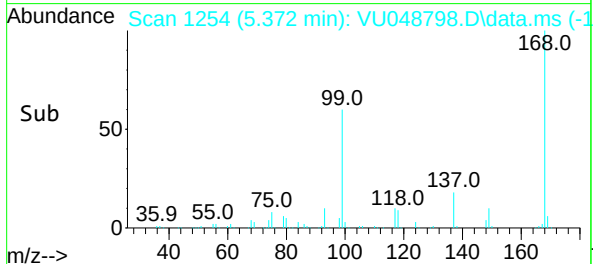
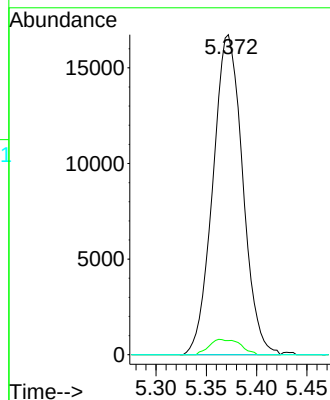
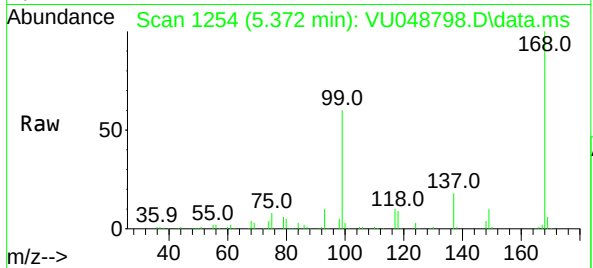




#38
Carbon Tetrachloride
Concen: 5.321 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.155 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

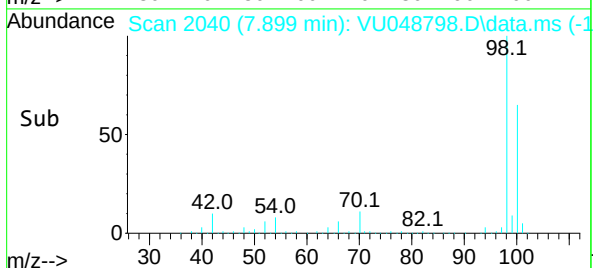
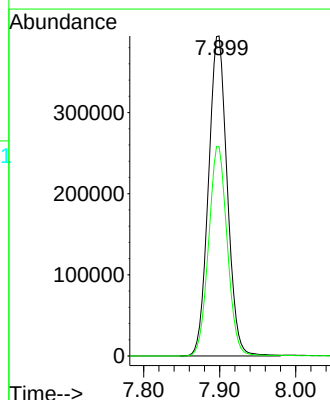
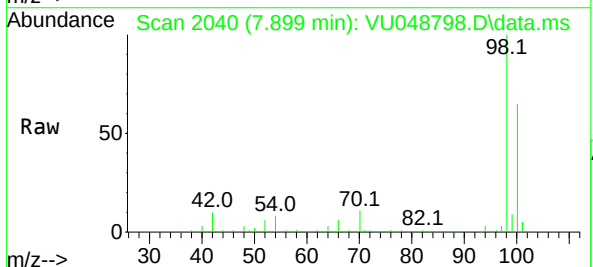
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL01

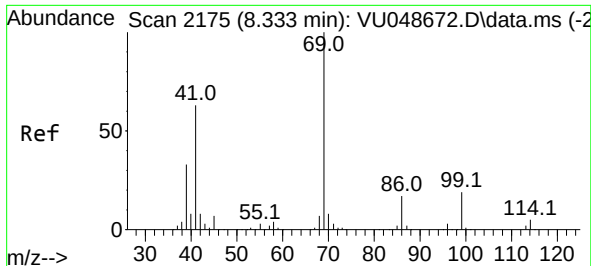
Tgt Ion:117 Resp: 34487
Ion Ratio Lower Upper
117 100
119 4.4 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 48.616 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

Tgt Ion: 98 Resp: 674571
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4

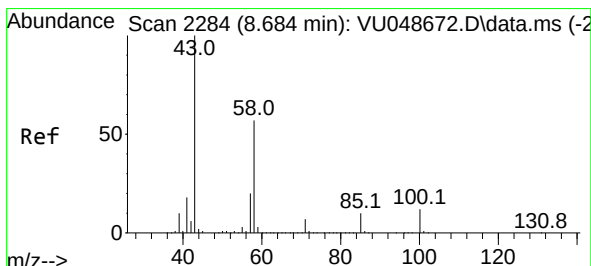
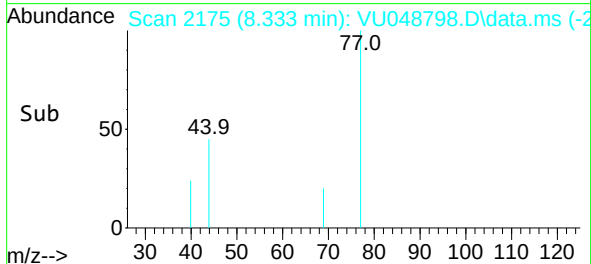
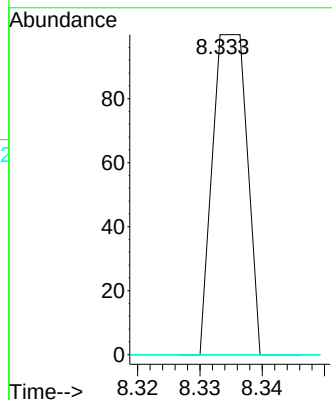
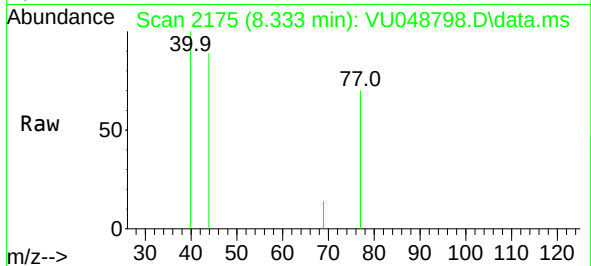




#56
Ethyl methacrylate
Concen: 2.619 ug/l
RT: 8.333 min Scan# 2175
Delta R.T. 0.000 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

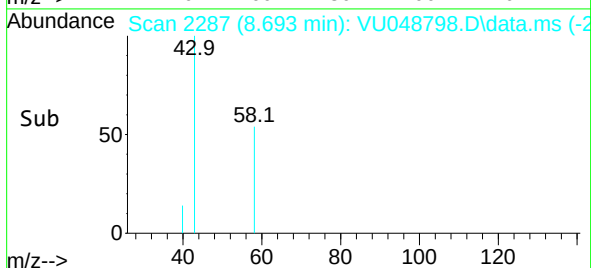
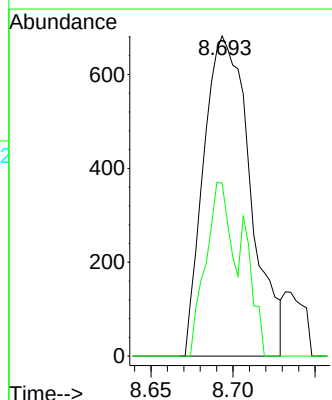
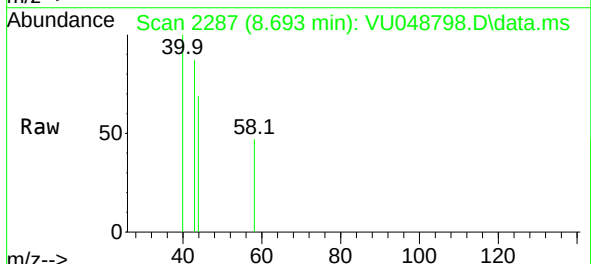
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL01

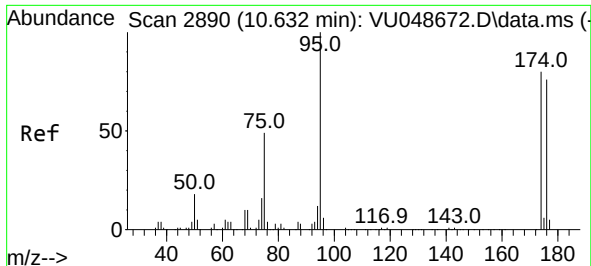
Tgt Ion: 69 Resp: 39
Ion Ratio Lower Upper
69 100
41 0.0 50.6 76.0#
39 0.0 26.6 40.0#



#59
2-Hexanone
Concen: 0.244 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. 0.009 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

Tgt Ion: 43 Resp: 1348
Ion Ratio Lower Upper
43 100
58 30.8 28.2 84.6

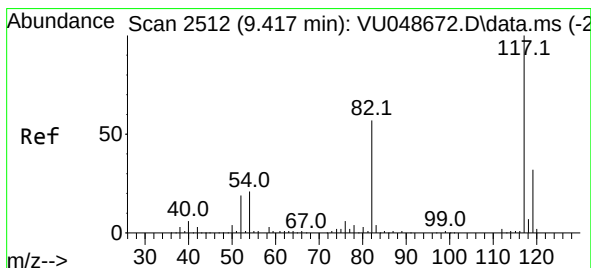
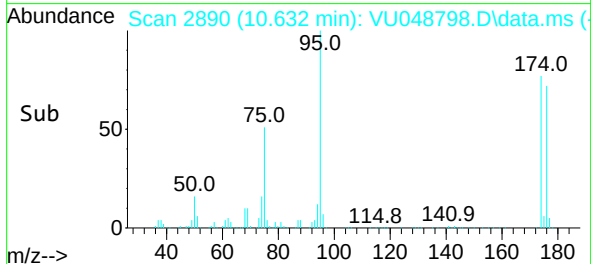
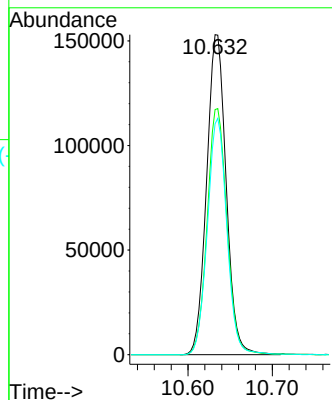
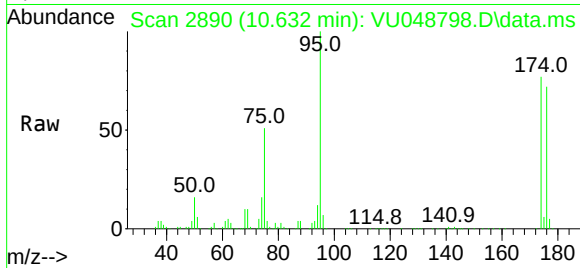




#62
4-Bromofluorobenzene
Concen: 47.083 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

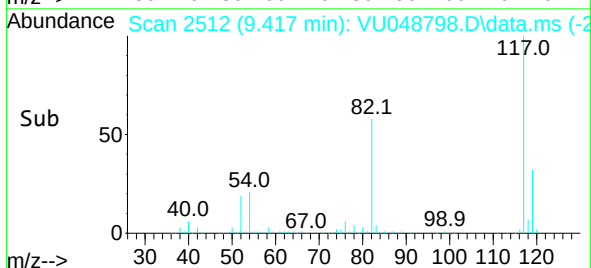
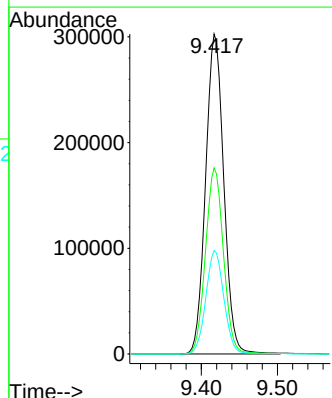
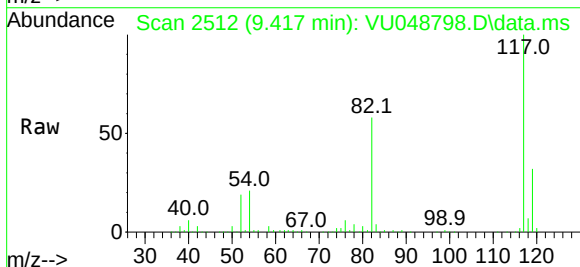
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL01

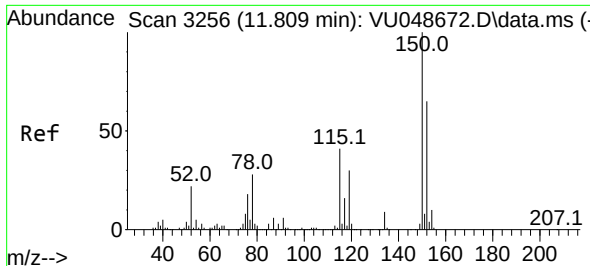
Tgt Ion: 95 Resp: 247071
Ion Ratio Lower Upper
95 100
174 77.9 0.0 159.4
176 73.4 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

Tgt Ion: 117 Resp: 502751
Ion Ratio Lower Upper
117 100
82 58.2 45.3 67.9
119 32.3 25.4 38.2

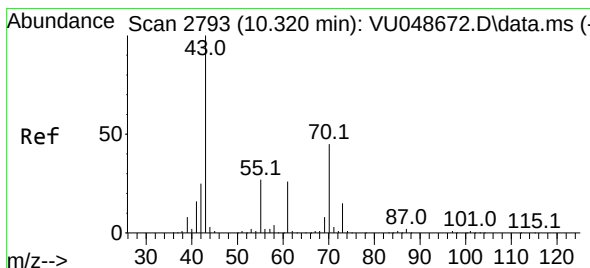
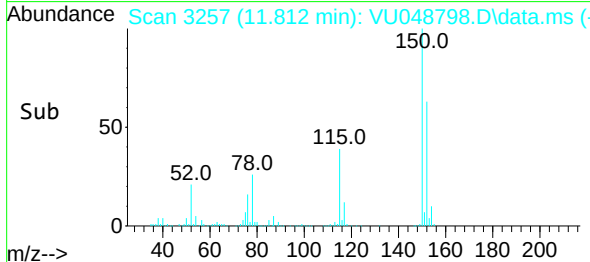
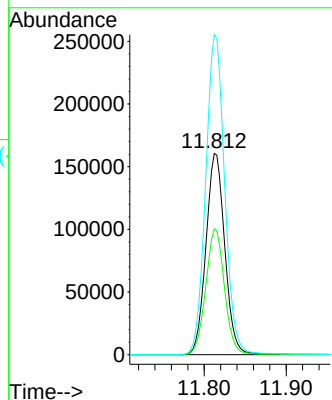
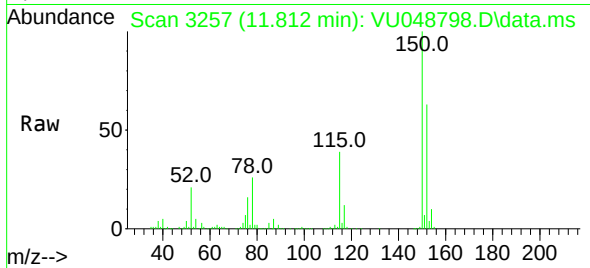




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

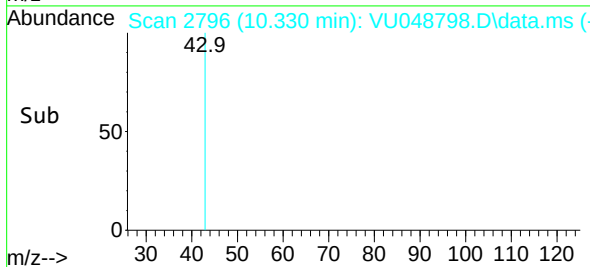
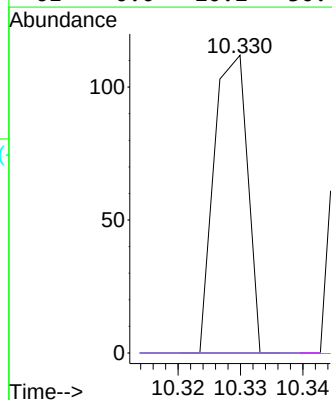
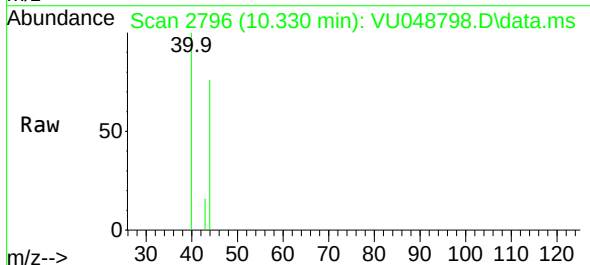
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL01

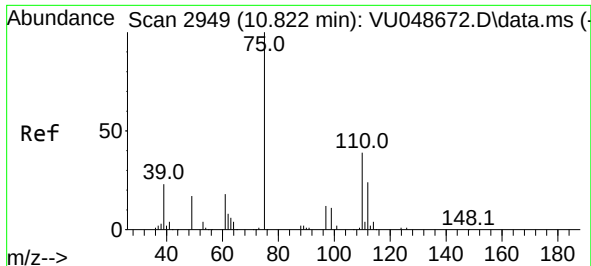
Tgt Ion:152 Resp: 257013
Ion Ratio Lower Upper
152 100
115 62.2 41.8 125.4
150 160.3 0.0 341.0



#74
N-ethyl acetate
Concen: 2.472 ug/l
RT: 10.330 min Scan# 2796
Delta R.T. 0.010 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

Tgt Ion: 43 Resp: 41
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#

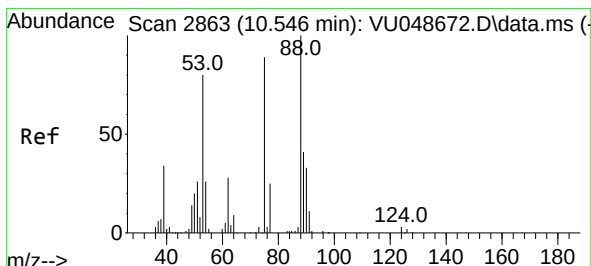
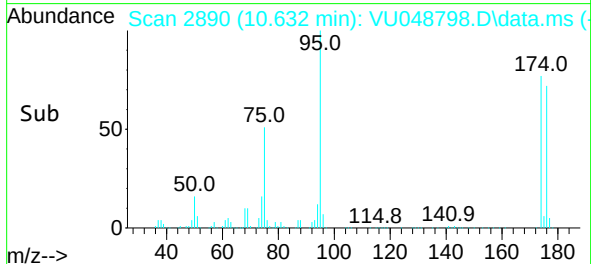
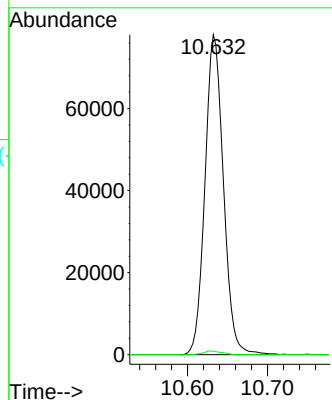
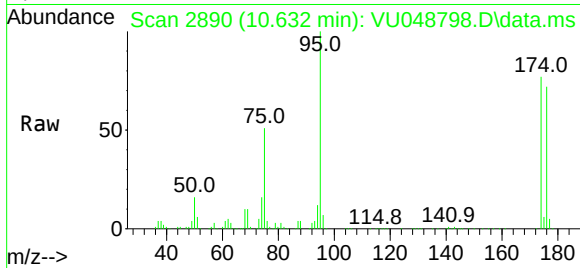




#76
1,2,3-Trichloropropane
Concen: 15.120 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

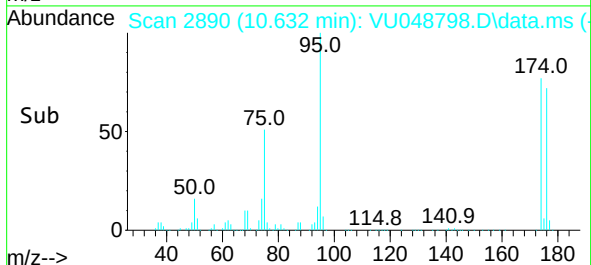
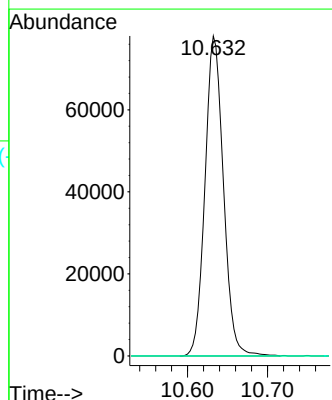
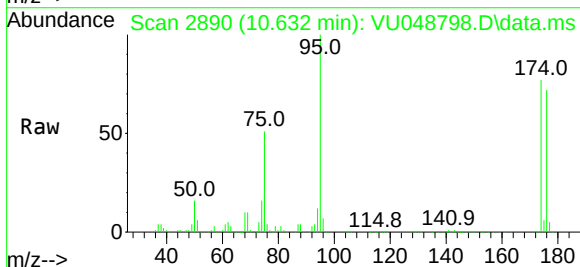
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL01

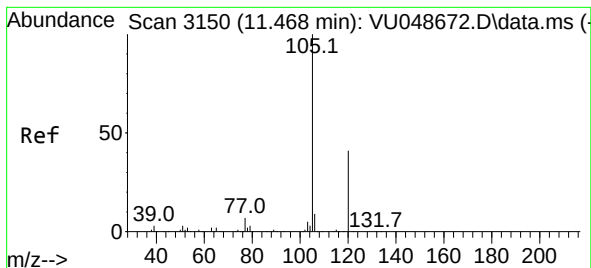
Tgt Ion: 75 Resp: 125297
Ion Ratio Lower Upper
75 100
77 1.1 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.900 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

Tgt Ion: 75 Resp: 125297
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: 1.222 ug/l

RT: 11.471 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VU048798.D

Acq: 02 Jun 2022 12:56

Instrument :

MSVOA_U

ClientSampleId :

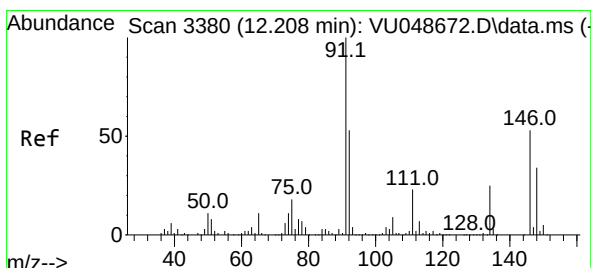
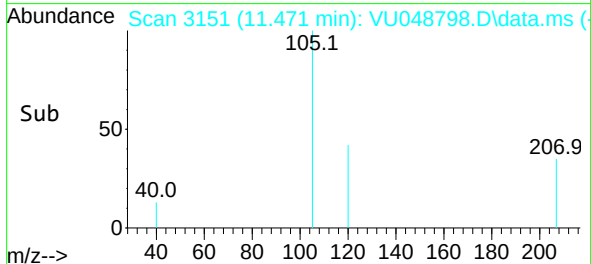
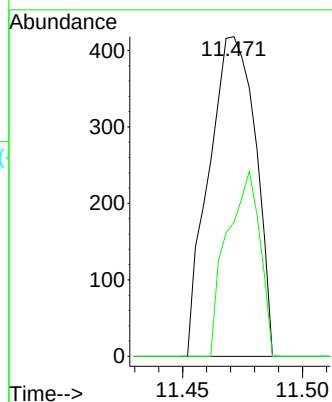
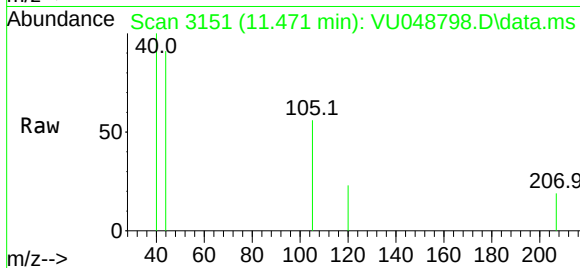
VU0602WBL01

Tgt Ion:105 Resp: 565

Ion Ratio Lower Upper

105 100

120 40.9 22.5 67.5



#89

n-Butylbenzene

Concen: 2.221 ug/l

RT: 12.221 min Scan# 3384

Delta R.T. 0.013 min

Lab File: VU048798.D

Acq: 02 Jun 2022 12:56

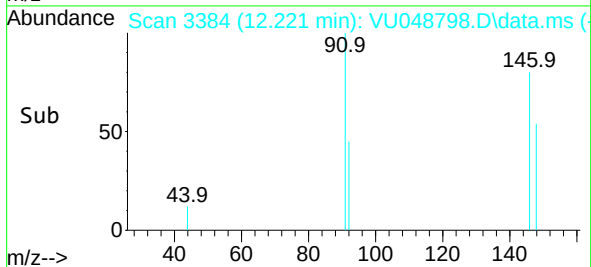
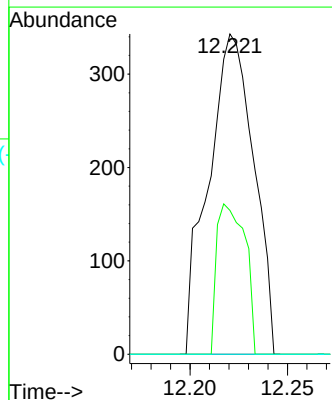
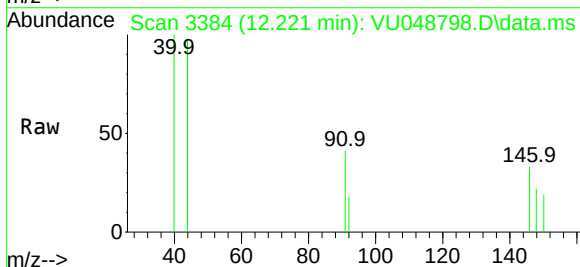
Tgt Ion: 91 Resp: 555

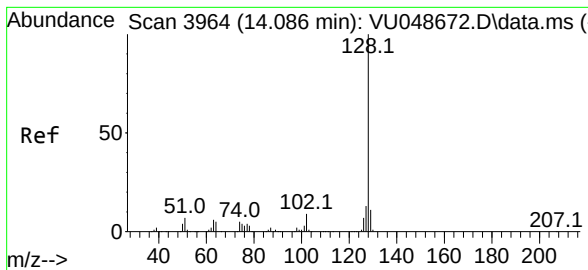
Ion Ratio Lower Upper

91 100

92 29.4 25.9 77.8

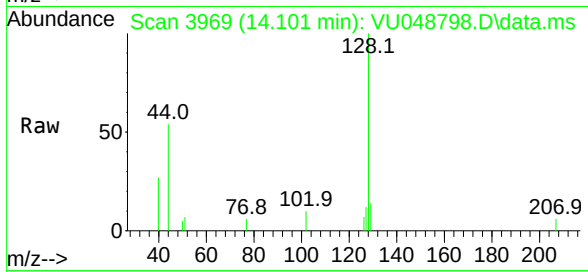
134 0.0 12.5 37.5#





#95
Naphthalene
Concen: 2.741 ug/l
RT: 14.101 min Scan# 3969
Delta R.T. 0.015 min
Lab File: VU048798.D
Acq: 02 Jun 2022 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL01



Tgt Ion:	128	Resp:	4432
Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.2	15.4
129	8.8	8.7	13.1

