

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048724.D
 Acq On : 28 May 2022 04:22
 Operator : SY/MD
 Sample : N3075-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WELL-1

Quant Time: May 30 03:01:36 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)

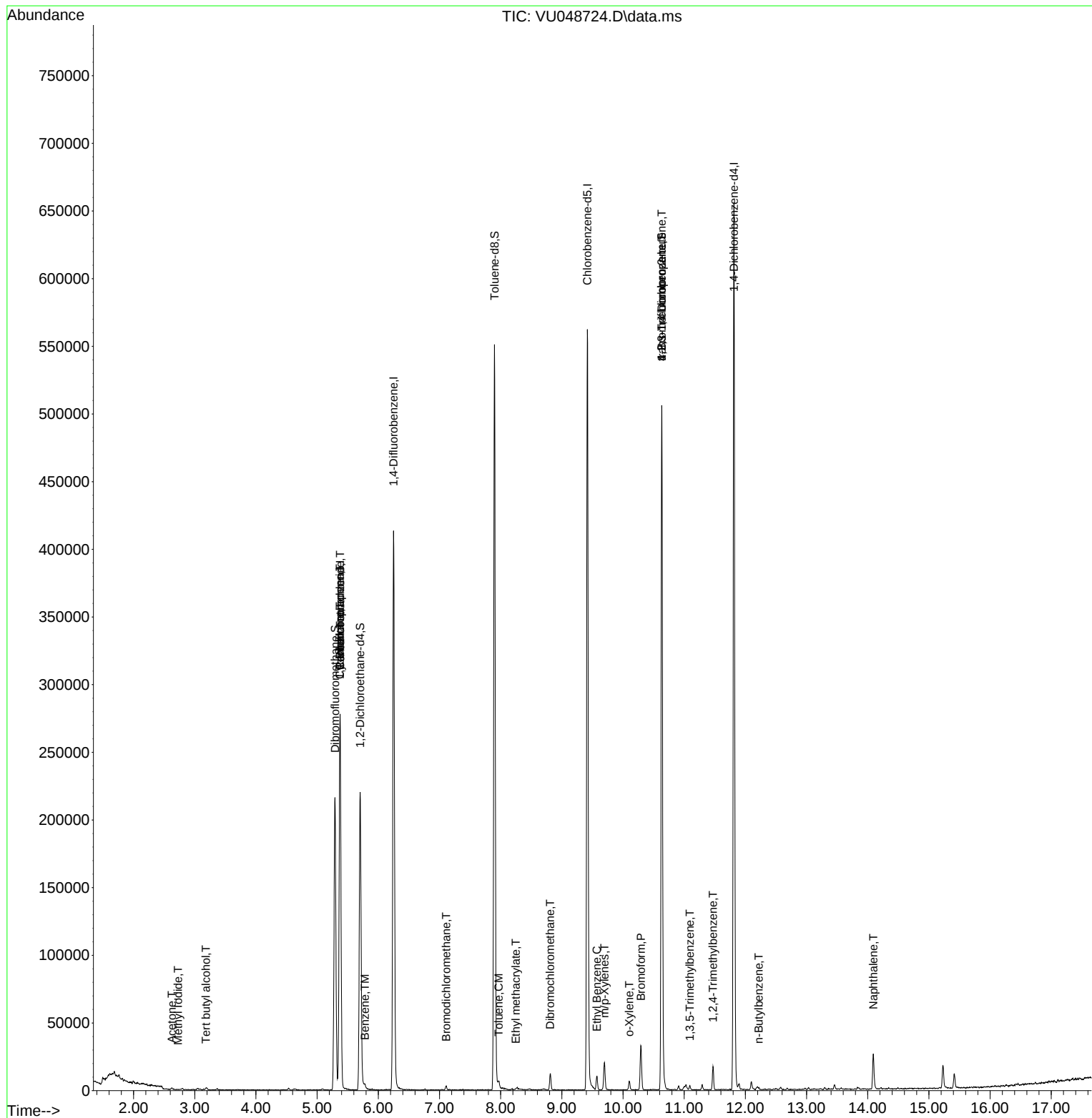
Internal Standards						
1) Pentafluorobenzene	5.375	168	190501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	339059	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	319820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	179328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	174244	60.904	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 121.800%#	
35) Dibromofluoromethane	5.292	113	144555	59.760	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 119.520%	
50) Toluene-d8	7.899	98	378231	43.620	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 87.240%#	
62) 4-Bromofluorobenzene	10.632	95	173273	52.839	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.680%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.867	94	44	Below Cal	#	3
6) Chloroethane	1.932	64	206	Below Cal	#	43
10) Methyl Iodide	2.729	142	42	3.018	ug/l #	37
11) Tert butyl alcohol	3.183	59	1156	1.594	ug/l #	28
13) Acrolein	2.478	56	19	Below Cal	#	1
16) Acetone	2.626	43	1839	1.261	ug/l #	86
31) Cyclohexane	5.372	56	4042	1.121	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	14805	4.194	ug/l #	50
38) Carbon Tetrachloride	5.375	117	19938	4.923	ug/l #	16
40) Benzene	5.781	78	3155	0.303	ug/l #	87
47) Bromodichloromethane	7.108	83	2199	0.555	ug/l #	91
52) Toluene	7.967	92	1810	0.290	ug/l	99
56) Ethyl methacrylate	8.250	69	21	2.618	ug/l #	1
60) Dibromochloromethane	8.809	129	6215	2.015	ug/l	93
67) Ethyl Benzene	9.575	91	7877	0.690	ug/l #	85
68) m/p-Xylenes	9.697	106	6162	1.381	ug/l	98
69) o-Xylene	10.102	106	1811	0.413	ug/l	81
71) Bromoform	10.292	173	15353	6.467	ug/l #	100
76) 1,2,3-Trichloropropane	10.632	75	88218	15.257	ug/l #	47
80) 1,3,5-Trimethylbenzene	11.092	105	2210	0.220	ug/l	84
81) trans-1,4-Dichloro-2-b...	10.632	75	88218	55.398	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.472	105	9806	2.069	ug/l	100
89) n-Butylbenzene	12.221	91	808	2.260	ug/l #	81
95) Naphthalene	14.092	128	22079	4.018	ug/l	98

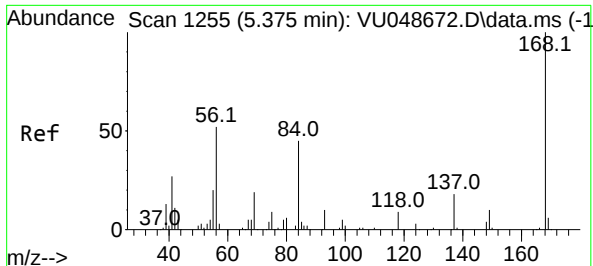
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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WELL-1

Quant Time: May 30 03:01:36 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

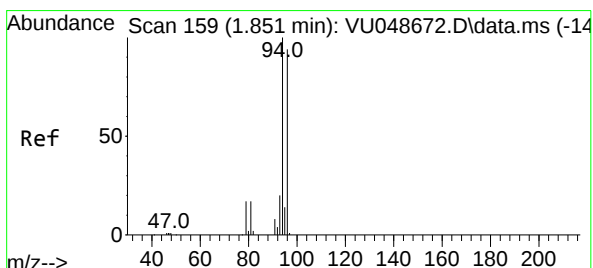
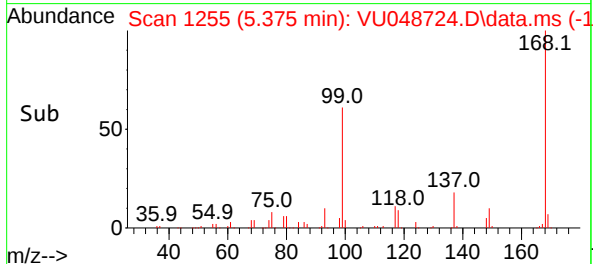
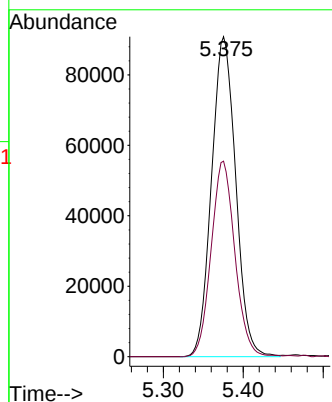
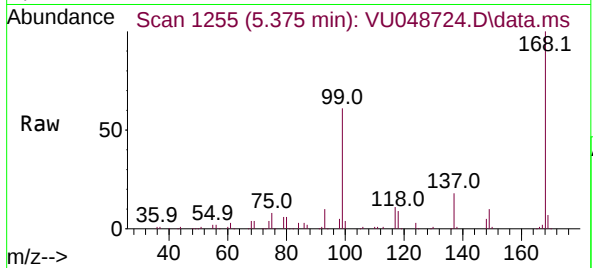




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

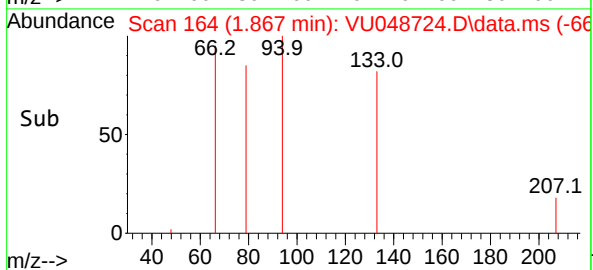
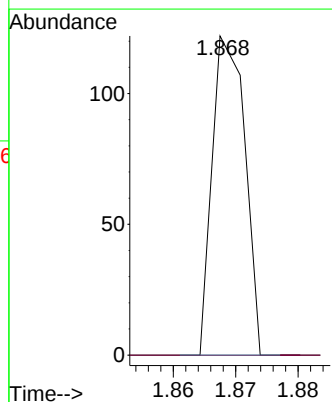
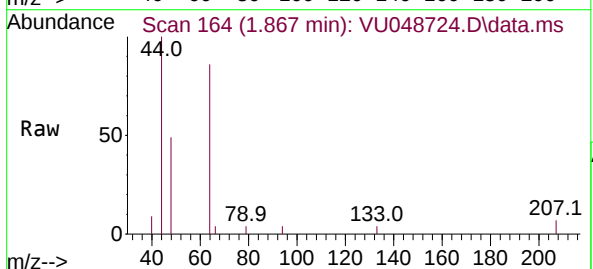
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

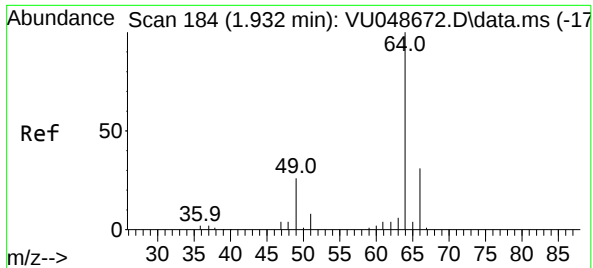
Tgt Ion:168 Resp: 190501
Ion Ratio Lower Upper
168 100
99 61.1 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.867 min Scan# 164
Delta R.T. 0.016 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

Tgt Ion: 94 Resp: 44
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#

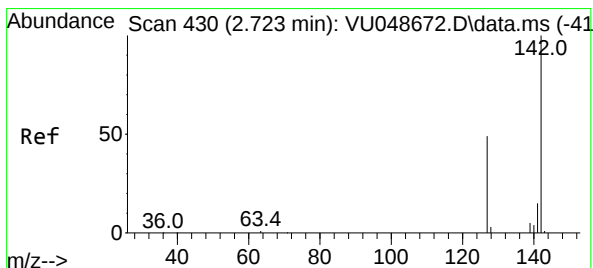
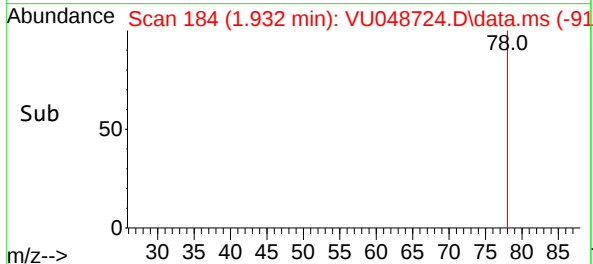
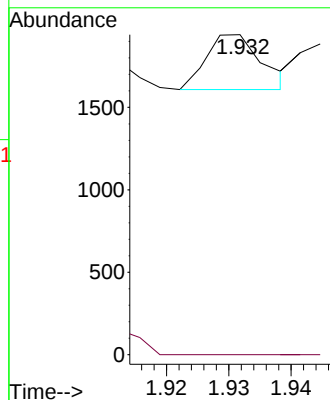
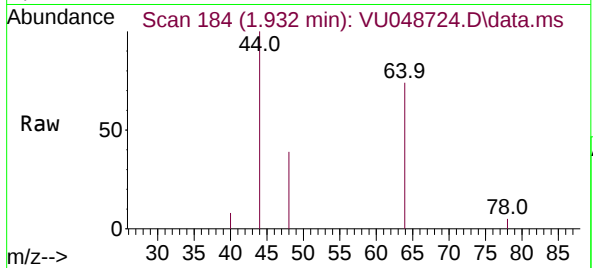




#6
Chloroethane
Concen: Below Cal
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

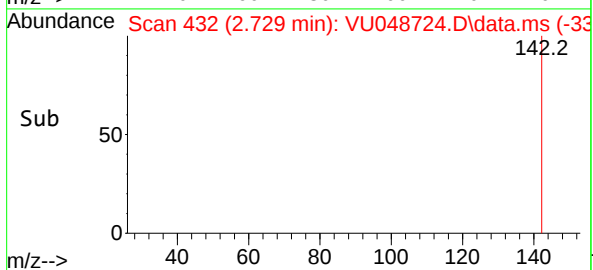
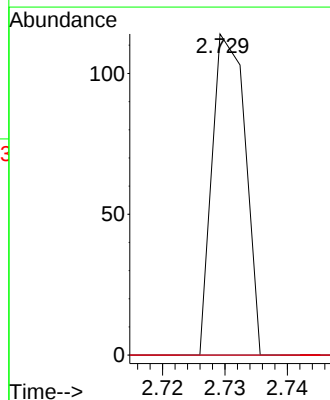
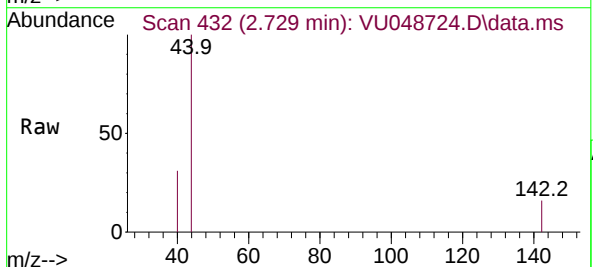
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

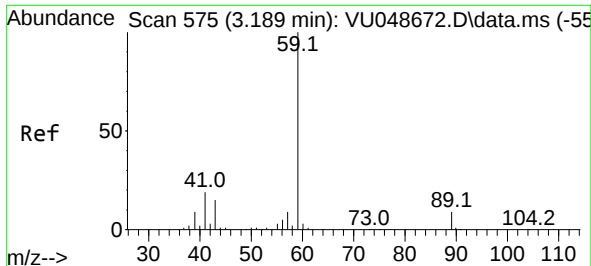
Tgt Ion: 64 Resp: 206
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#10
Methyl Iodide
Concen: 3.018 ug/l
RT: 2.729 min Scan# 432
Delta R.T. 0.006 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

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

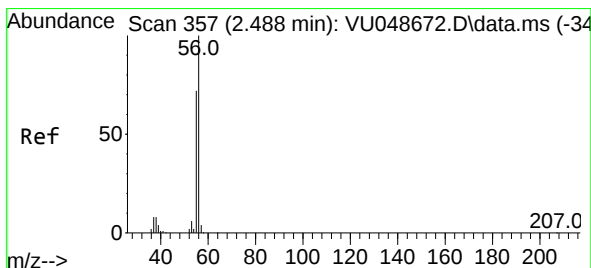
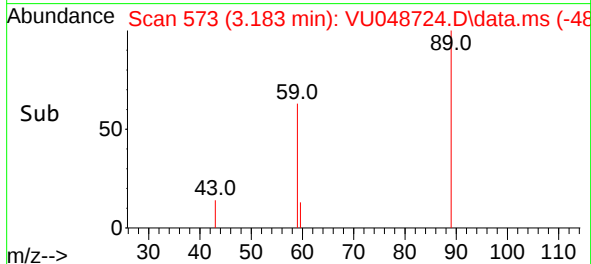
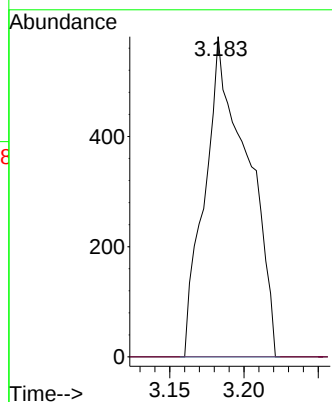
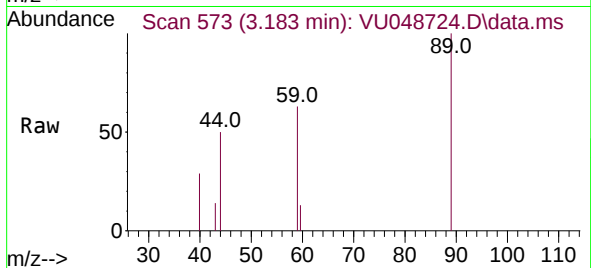




#11
Tert butyl alcohol
Concen: 1.594 ug/l
RT: 3.183 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

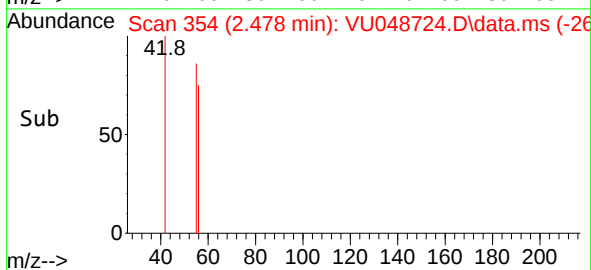
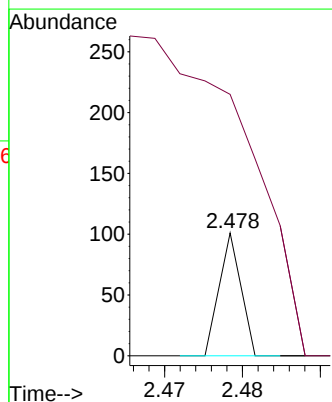
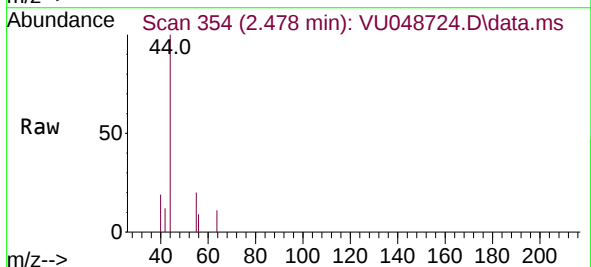
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

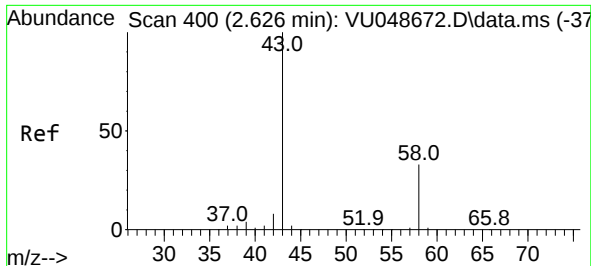
Tgt Ion: 59 Resp: 1156
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.478 min Scan# 354
Delta R.T. -0.010 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 2242.1 57.7 86.5#





#16

Acetone

Concen: 1.261 ug/l

RT: 2.626 min Scan# 40

Delta R.T. 0.000 min

Lab File: VU048724.D

Acq: 28 May 2022 04:22

Instrument :

MSVOA_U

ClientSampleId :

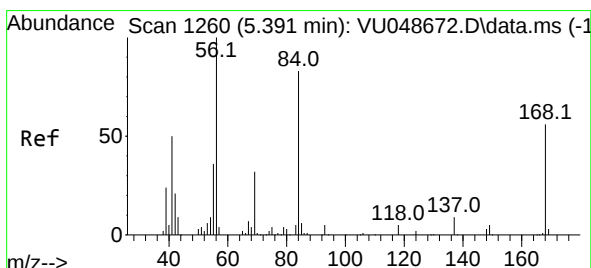
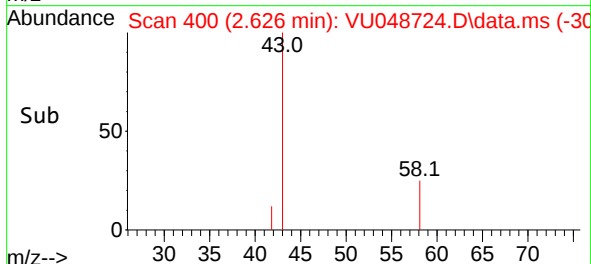
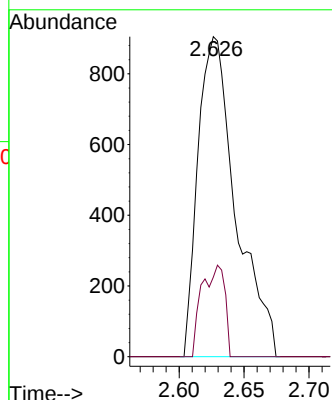
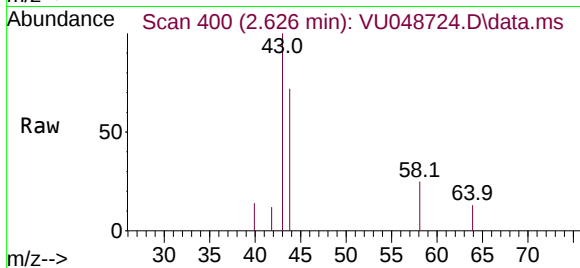
WELL-1

Tgt Ion: 43 Resp: 1839

Ion Ratio Lower Upper

43 100

58 24.9 26.3 39.5#



#31

Cyclohexane

Concen: 1.121 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048724.D

Acq: 28 May 2022 04:22

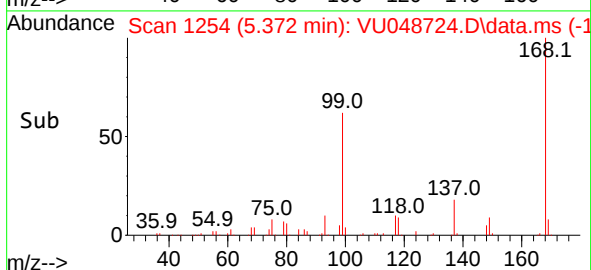
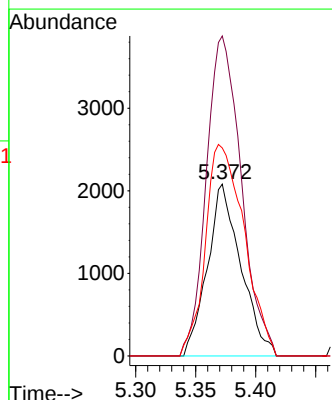
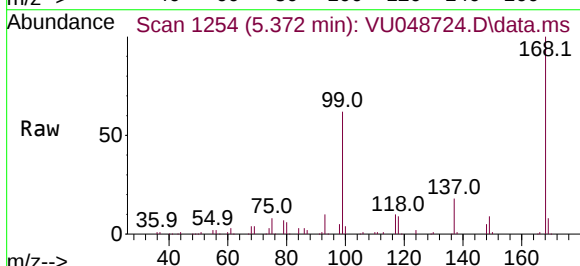
Tgt Ion: 56 Resp: 4042

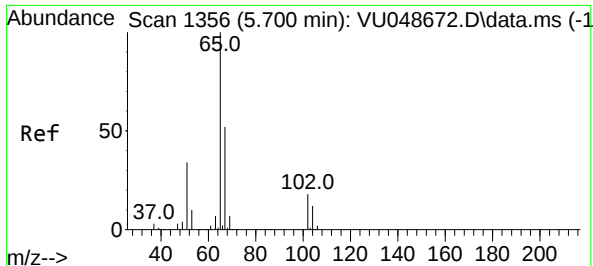
Ion Ratio Lower Upper

56 100

69 186.1 25.6 38.4#

84 121.0 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 60.904 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048724.D

Acq: 28 May 2022 04:22

Instrument :

MSVOA_U

ClientSampleId :

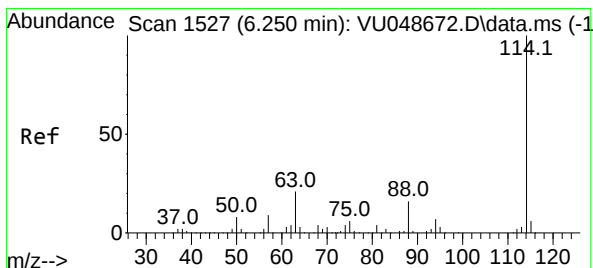
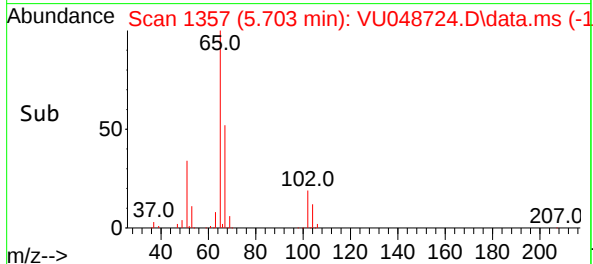
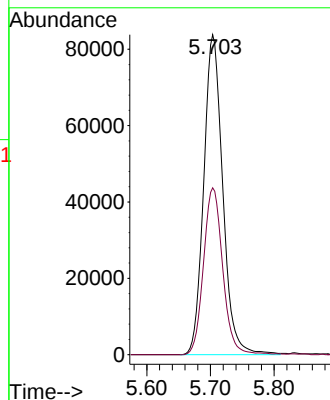
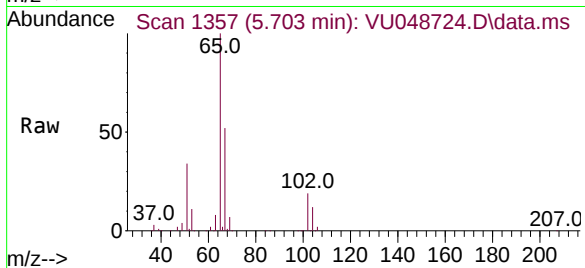
WELL-1

Tgt Ion: 65 Resp: 174244

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048724.D

Acq: 28 May 2022 04:22

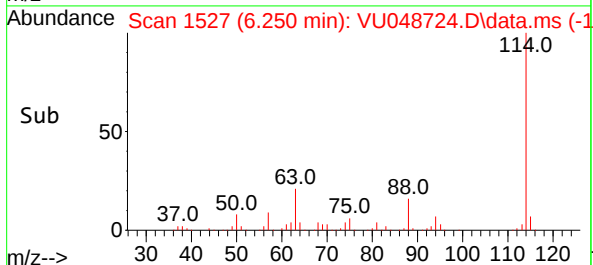
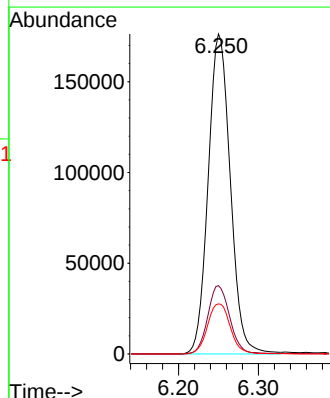
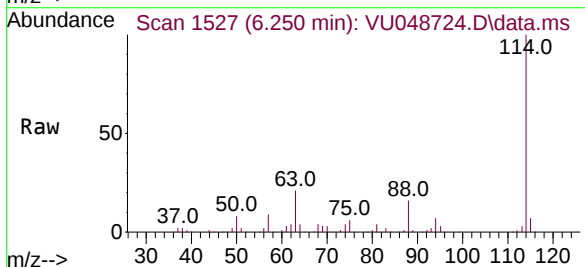
Tgt Ion: 114 Resp: 339059

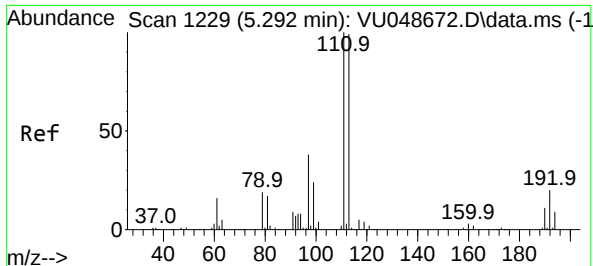
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

88 15.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 59.760 ug/l

RT: 5.292 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048724.D

Acq: 28 May 2022 04:22

Instrument :

MSVOA_U

ClientSampleId :

WELL-1

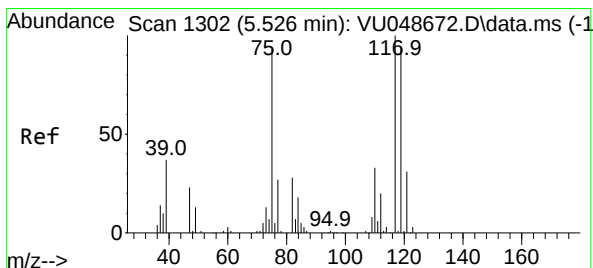
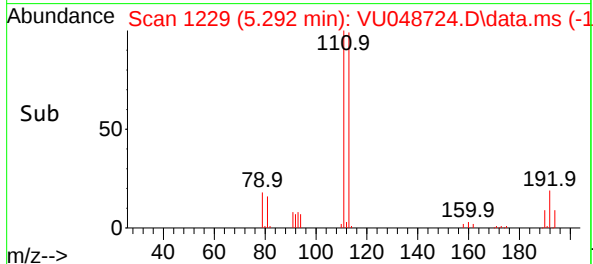
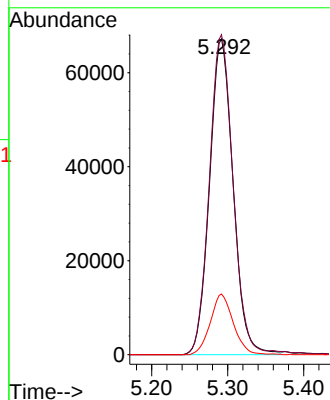
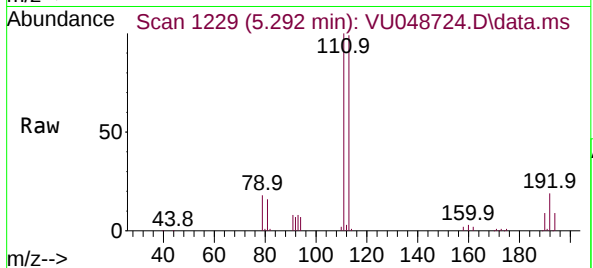
Tgt Ion:113 Resp: 144555

Ion Ratio Lower Upper

113 100

111 101.6 80.7 121.1

192 18.7 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.194 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048724.D

Acq: 28 May 2022 04:22

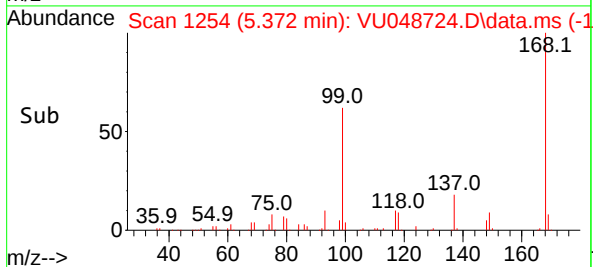
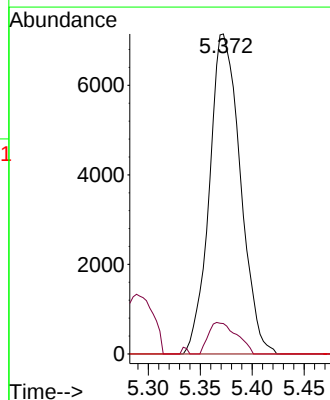
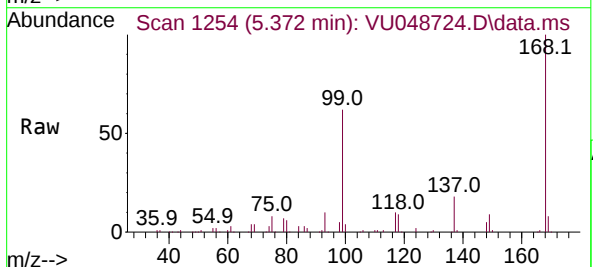
Tgt Ion: 75 Resp: 14805

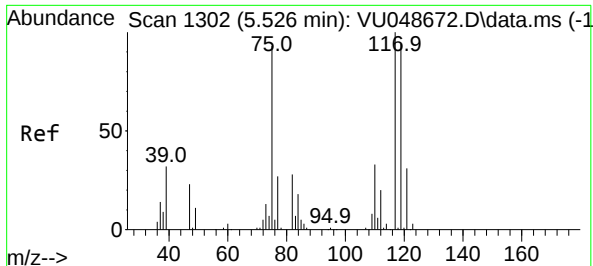
Ion Ratio Lower Upper

75 100

110 9.0 17.4 52.3#

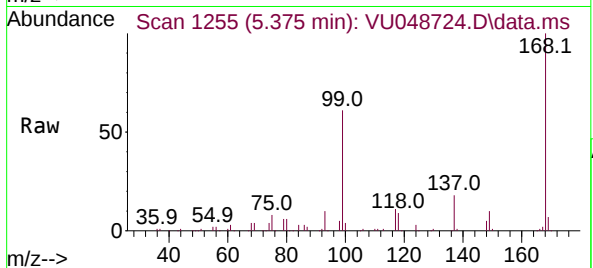
77 0.0 24.8 37.2#



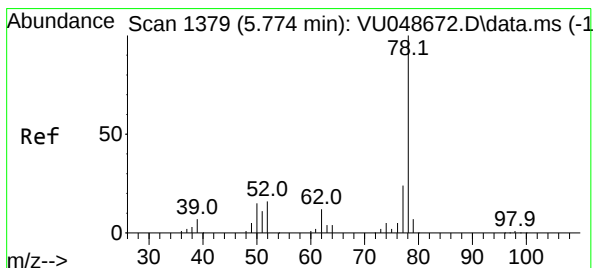
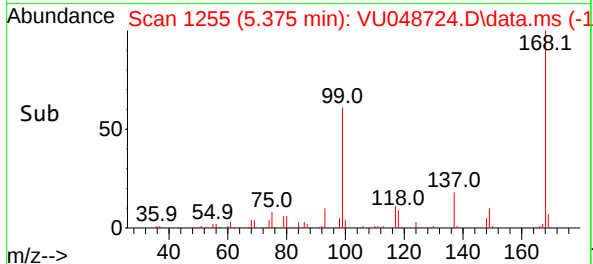
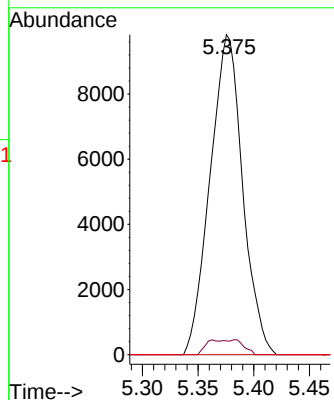


#38
Carbon Tetrachloride
Concen: 4.923 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

Instrument :
MSVOA_U
ClientSampleId :
WELL-1

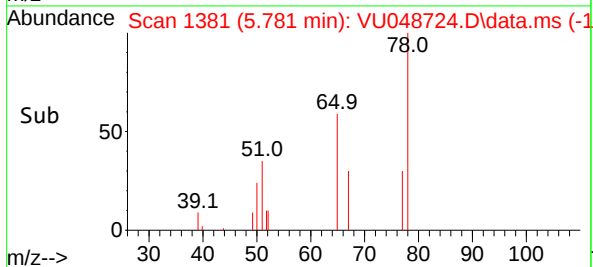
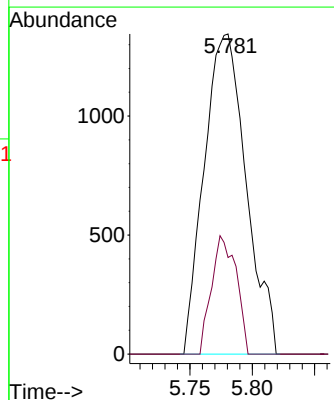
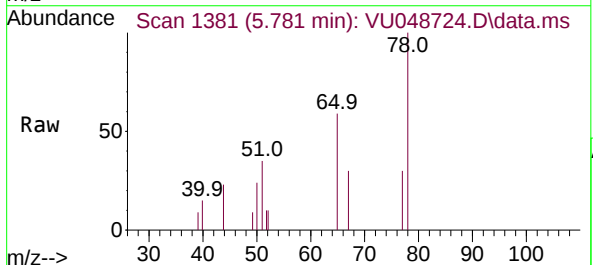


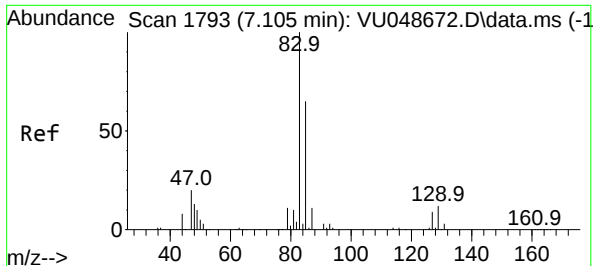
Tgt Ion:117 Resp: 19938
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.2#
121 0.0 24.6 36.8#



#40
Benzene
Concen: 0.303 ug/l
RT: 5.781 min Scan# 1381
Delta R.T. 0.007 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

Tgt Ion: 78 Resp: 3155
Ion Ratio Lower Upper
78 100
77 30.2 19.0 28.6#

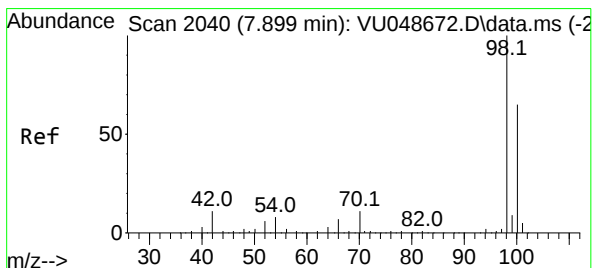
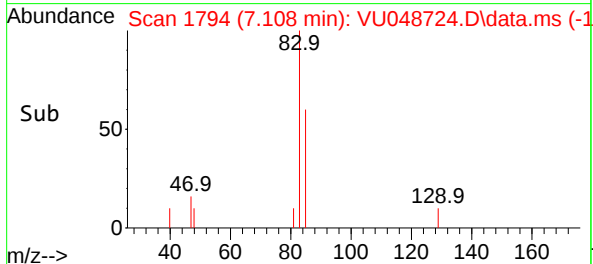
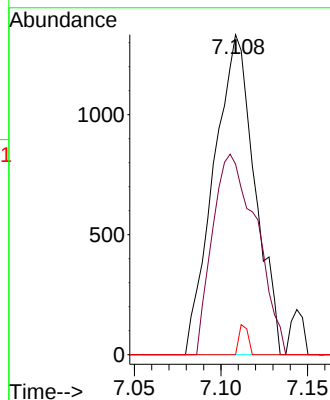
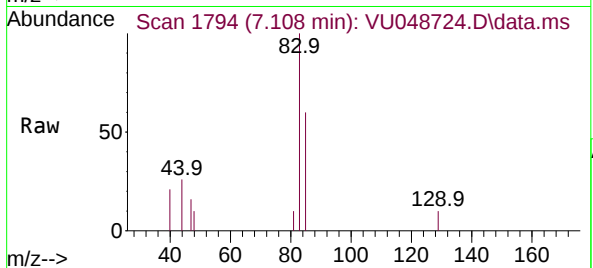




#47
Bromodichloromethane
Concen: 0.555 ug/l
RT: 7.108 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

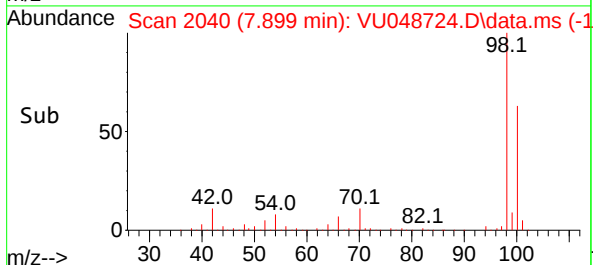
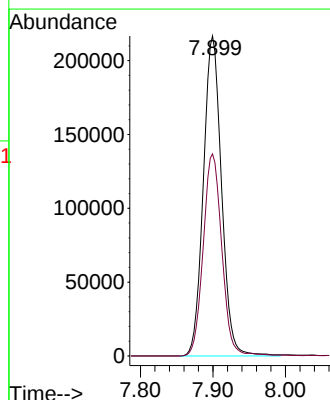
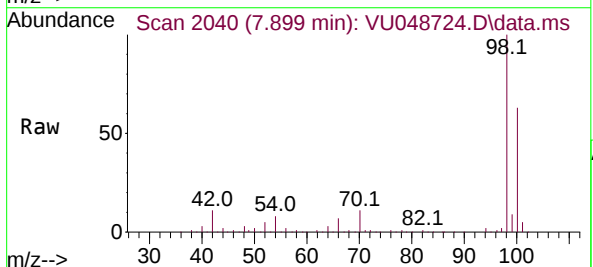
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

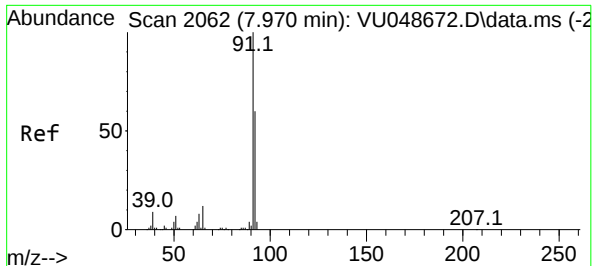
Tgt Ion: 83 Resp: 2199
Ion Ratio Lower Upper
83 100
85 59.6 52.1 78.1
127 0.0 6.9 10.3#



#50
Toluene-d8
Concen: 43.620 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

Tgt Ion: 98 Resp: 378231
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4

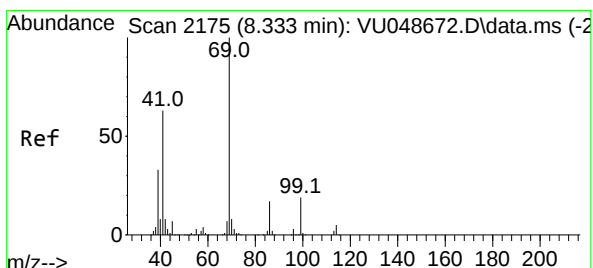
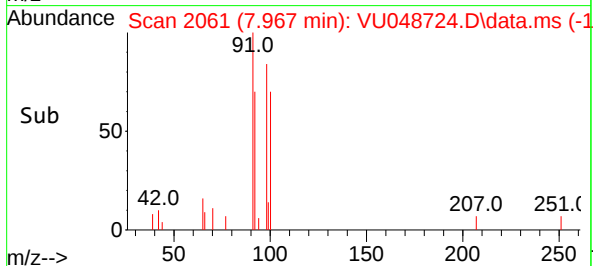
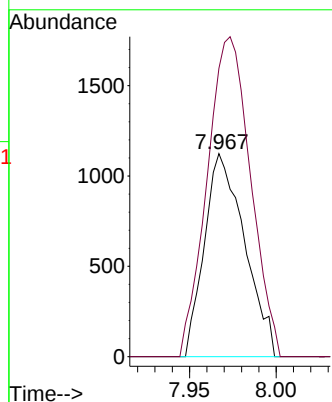
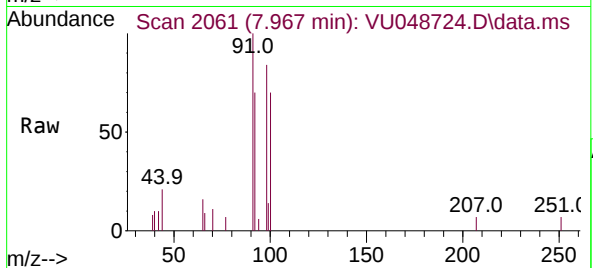




#52
Toluene
Concen: 0.290 ug/l
RT: 7.967 min Scan# 2061
Delta R.T. -0.003 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

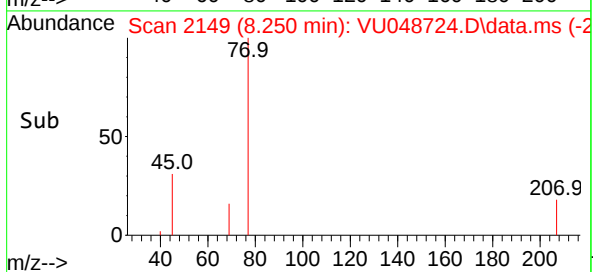
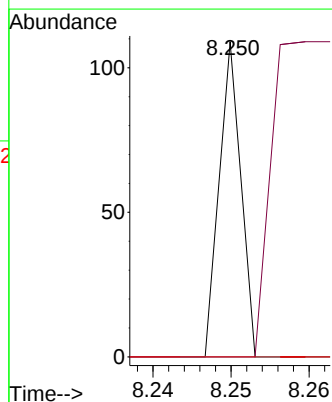
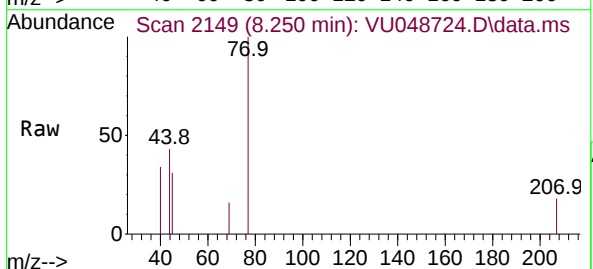
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

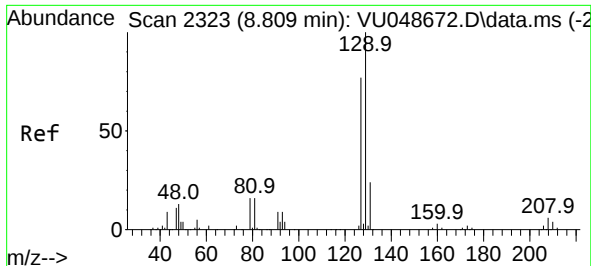
Tgt Ion: 92 Resp: 1810
Ion Ratio Lower Upper
92 100
91 170.7 135.0 202.4



#56
Ethyl methacrylate
Concen: 2.618 ug/l
RT: 8.250 min Scan# 2149
Delta R.T. -0.083 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

Tgt Ion: 69 Resp: 21
Ion Ratio Lower Upper
69 100
41 833.3 50.6 76.0#
39 0.0 26.6 40.0#

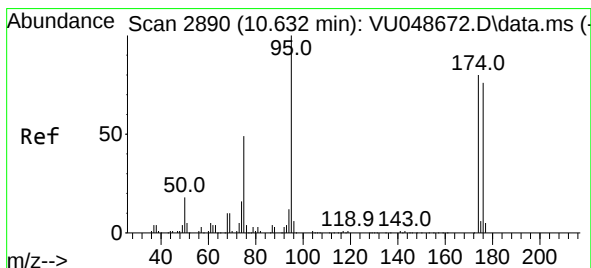
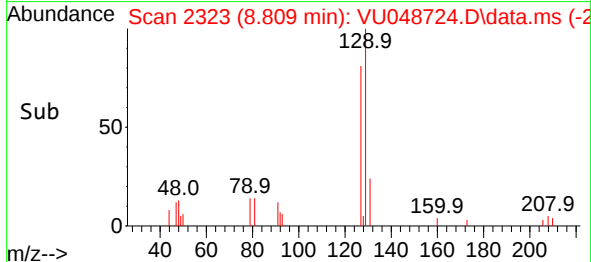
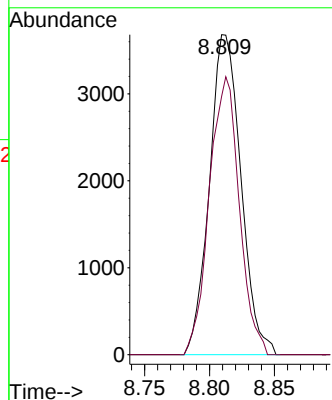
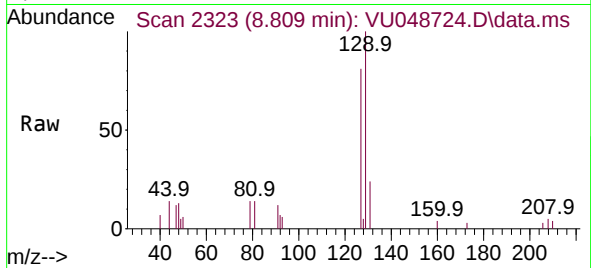




#60
Dibromochloromethane
Concen: 2.015 ug/l
RT: 8.809 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

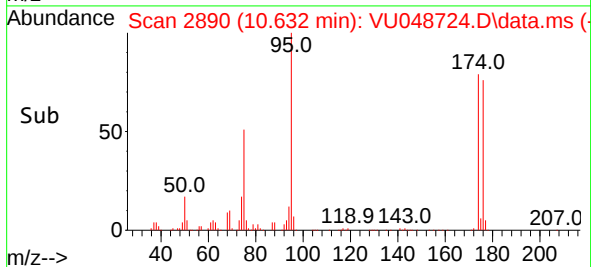
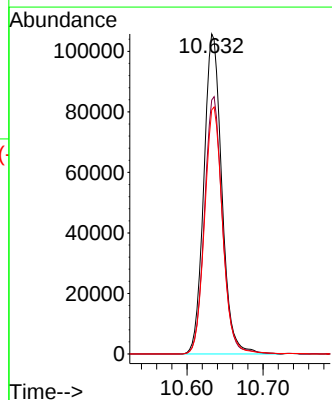
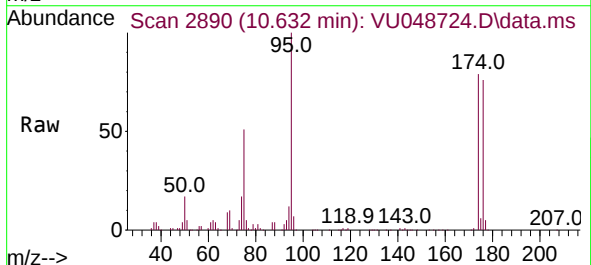
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

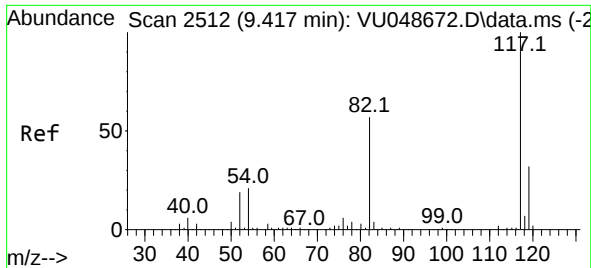
Tgt Ion:129 Resp: 6215
Ion Ratio Lower Upper
129 100
127 82.6 38.5 115.3



#62
4-Bromofluorobenzene
Concen: 52.839 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

Tgt Ion: 95 Resp: 173273
Ion Ratio Lower Upper
95 100
174 80.3 0.0 159.4
176 77.6 0.0 152.4

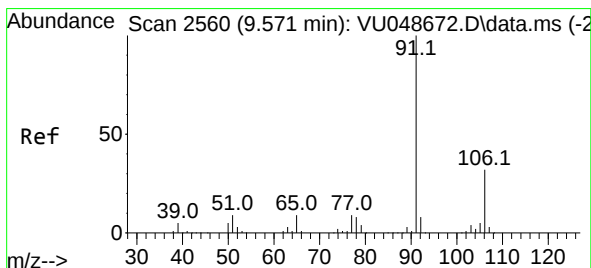
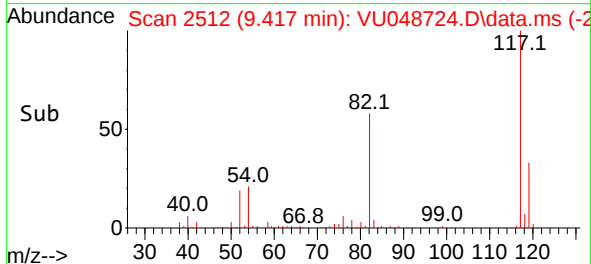
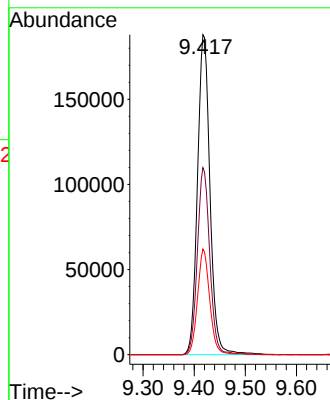
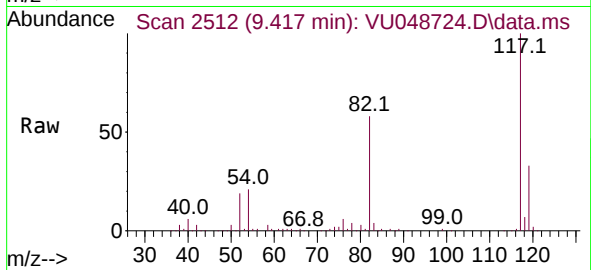




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. 0.000 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

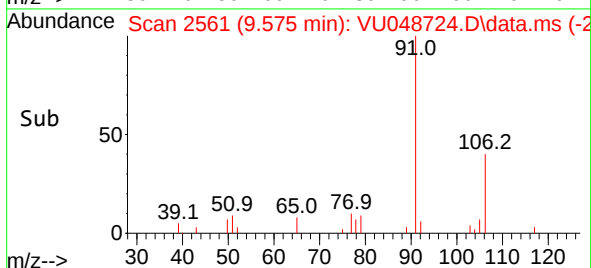
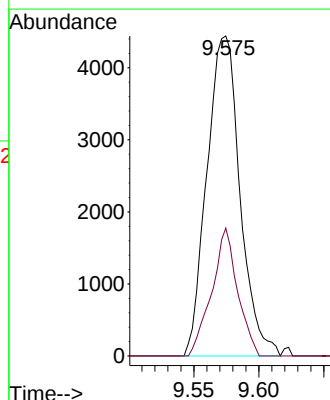
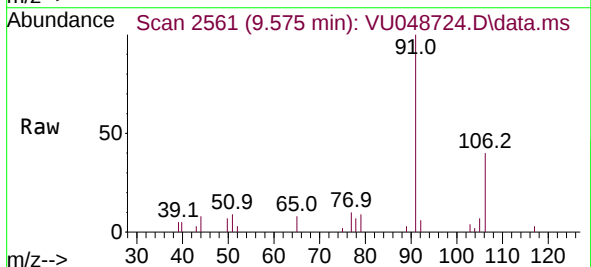
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

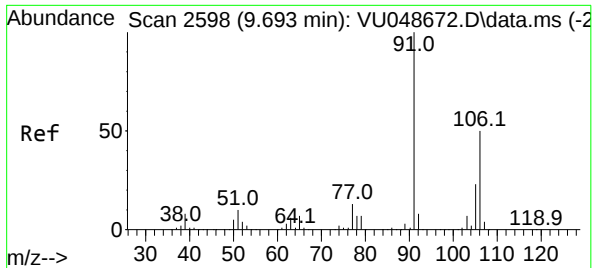
Tgt Ion:117 Resp: 319820
Ion Ratio Lower Upper
117 100
82 58.4 45.3 67.9
119 33.0 25.4 38.2



#67
Ethyl Benzene
Concen: 0.690 ug/l
RT: 9.575 min Scan# 2561
Delta R.T. 0.003 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

Tgt Ion: 91 Resp: 7877
Ion Ratio Lower Upper
91 100
106 39.9 25.4 38.2#

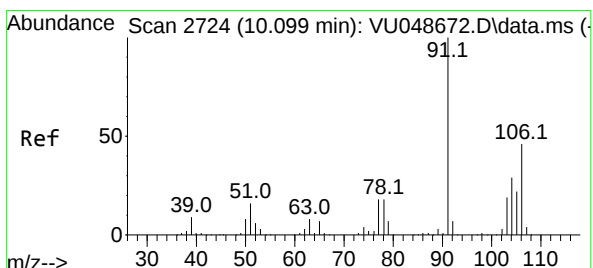
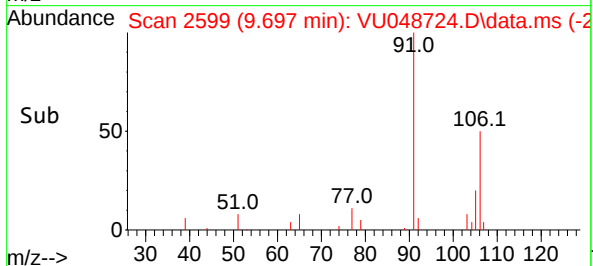
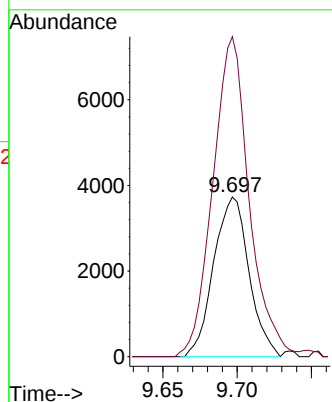
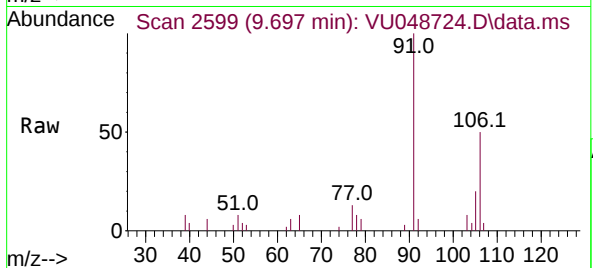




#68
m/p-Xylenes
Concen: 1.381 ug/l
RT: 9.697 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

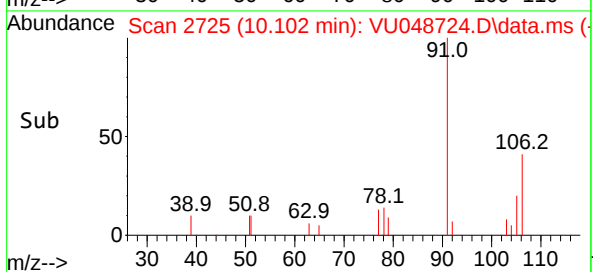
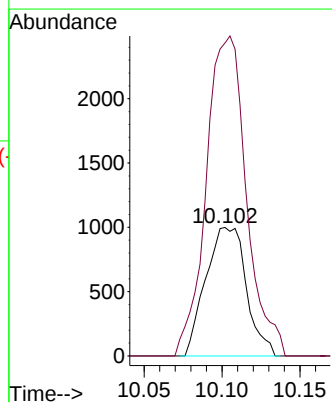
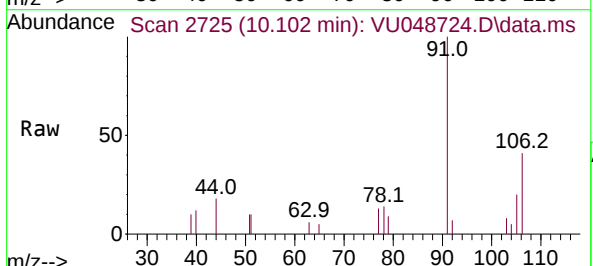
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

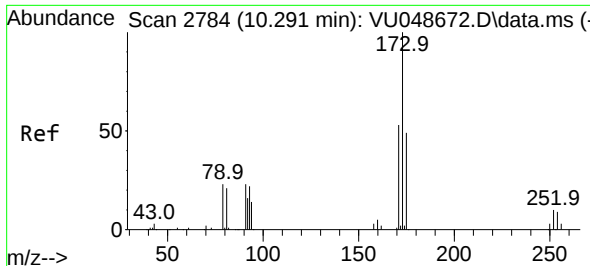
Tgt Ion:106 Resp: 6162
Ion Ratio Lower Upper
106 100
91 206.3 162.4 243.6



#69
o-Xylene
Concen: 0.413 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

Tgt Ion:106 Resp: 1811
Ion Ratio Lower Upper
106 100
91 246.2 107.7 323.3

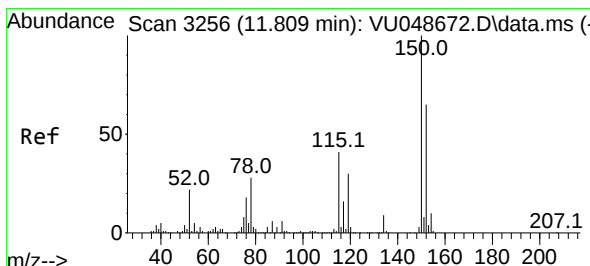
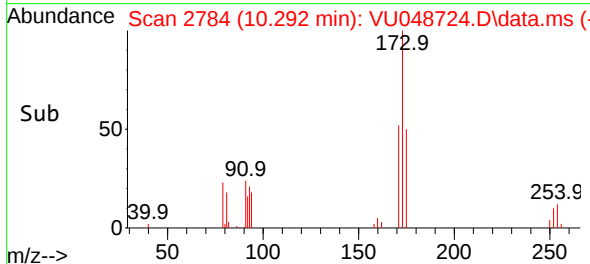
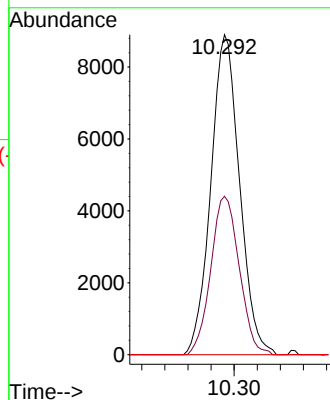
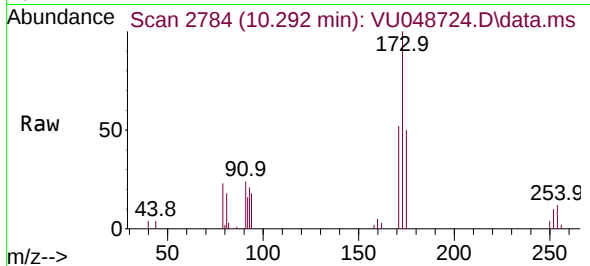




#71
Bromoform
Concen: 6.467 ug/l
RT: 10.292 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

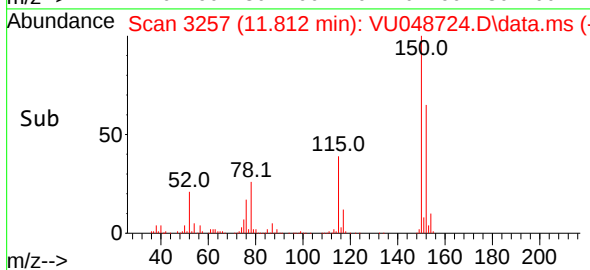
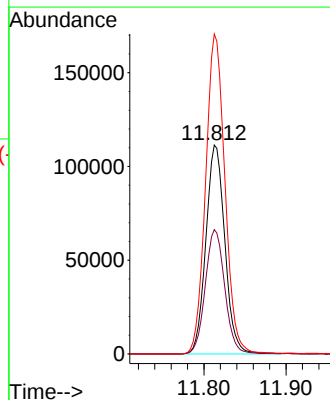
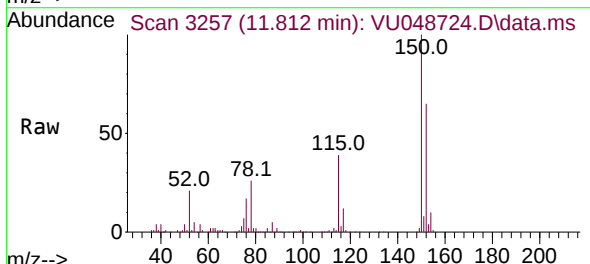
Instrument :
MSVOA_U
ClientSampleId :
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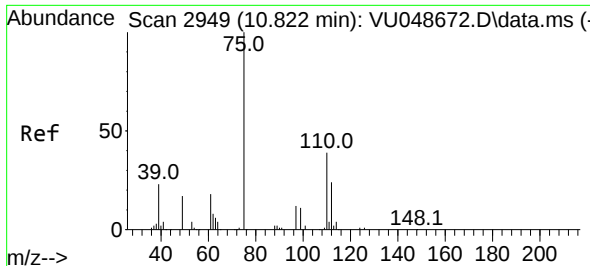
Tgt Ion:173 Resp: 15353
Ion Ratio Lower Upper
173 100
175 49.1 24.5 73.5
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

Tgt Ion:152 Resp: 179328
Ion Ratio Lower Upper
152 100
115 60.9 41.8 125.4
150 155.8 0.0 341.0

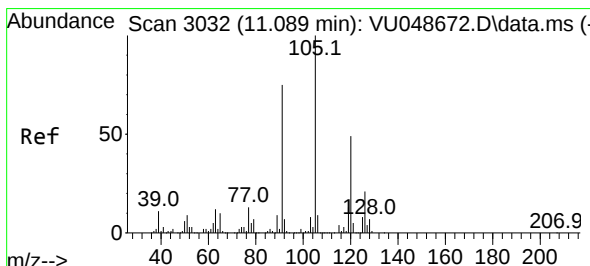
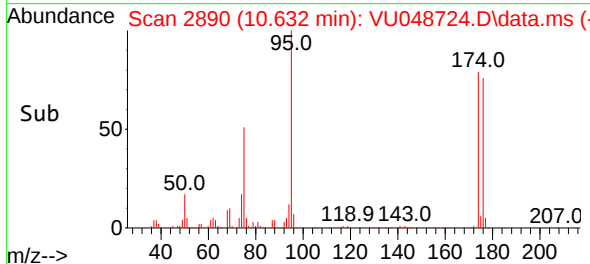
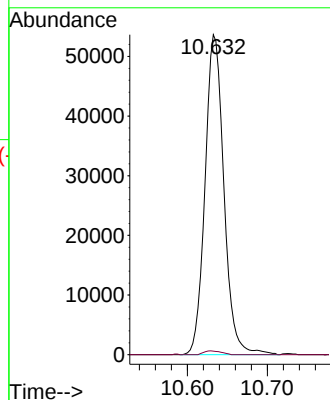
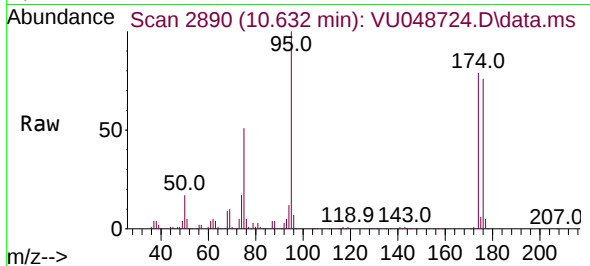




#76
1,2,3-Trichloropropane
Concen: 15.257 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.190 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

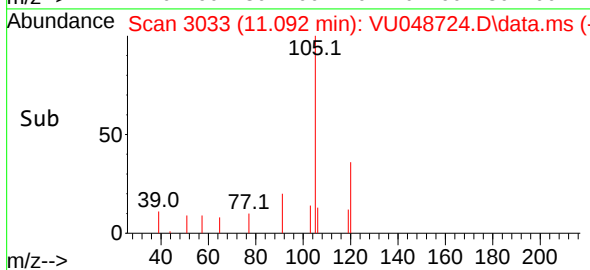
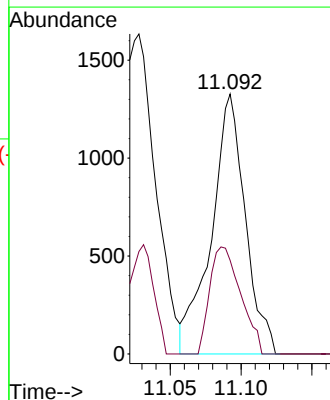
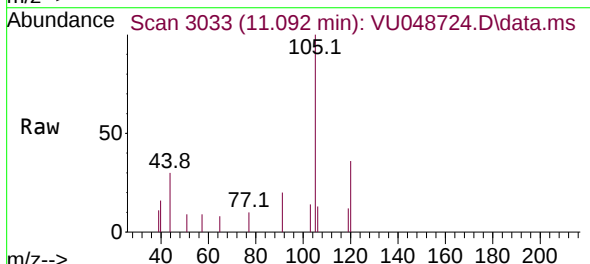
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

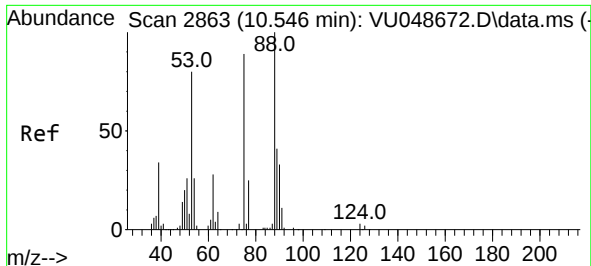
Tgt Ion: 75 Resp: 88218
Ion Ratio Lower Upper
75 100
77 1.1 14.8 44.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.220 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

Tgt Ion:105 Resp: 2210
Ion Ratio Lower Upper
105 100
120 37.6 24.1 72.3

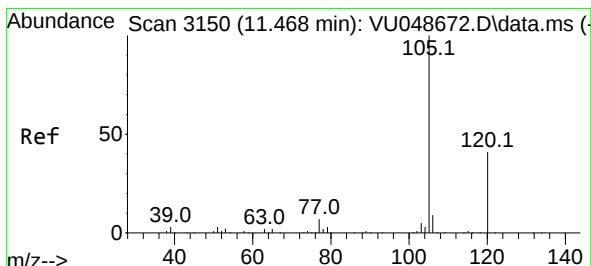
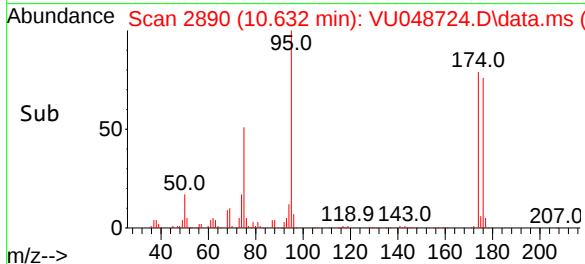
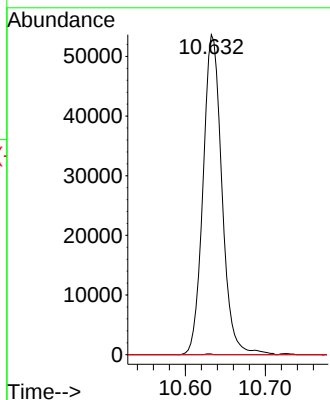
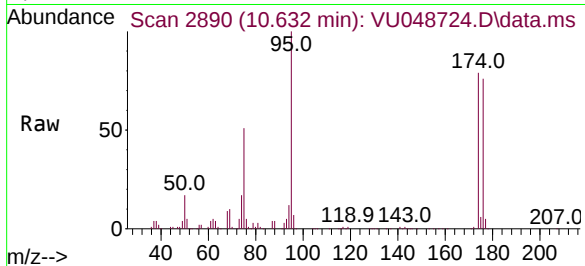




#81
trans-1,4-Dichloro-2-butene
Concen: 55.398 ug/l
RT: 10.632 min Scan# 2863
Delta R.T. 0.087 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

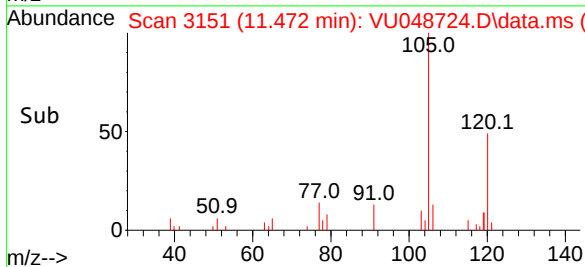
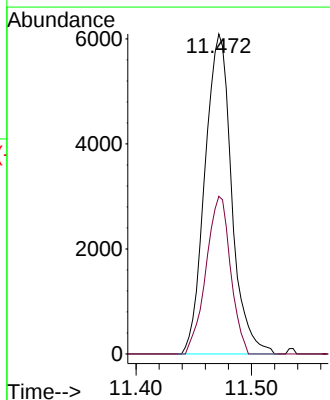
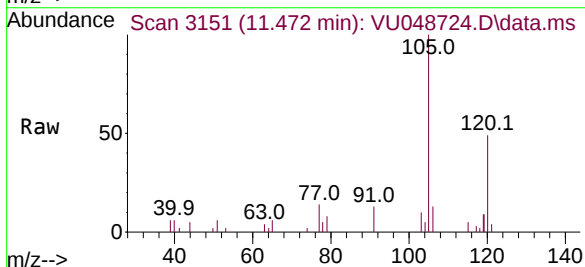
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

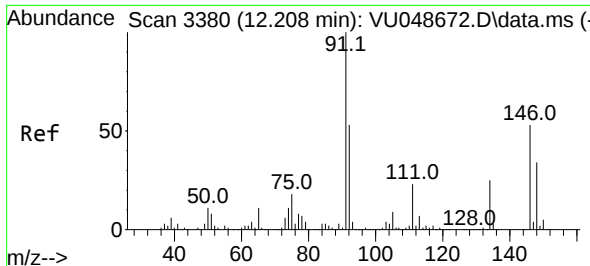
Tgt Ion: 75 Resp: 88218
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.069 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.004 min
Lab File: VU048724.D
Acq: 28 May 2022 04:22

Tgt Ion: 105 Resp: 9806
Ion Ratio Lower Upper
105 100
120 45.0 22.5 67.5





#89

n-Butylbenzene

Concen: 2.260 ug/l

RT: 12.221 min Scan# 31

Delta R.T. 0.013 min

Lab File: VU048724.D

Acq: 28 May 2022 04:22

Instrument :

MSVOA_U

ClientSampleId :

WELL-1

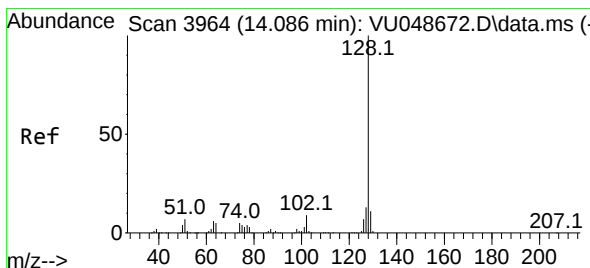
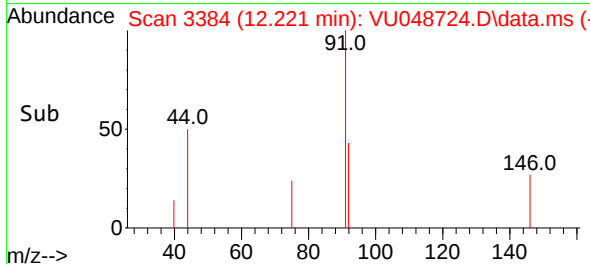
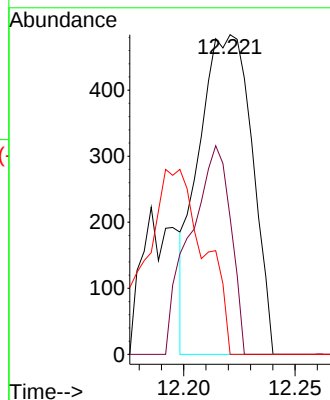
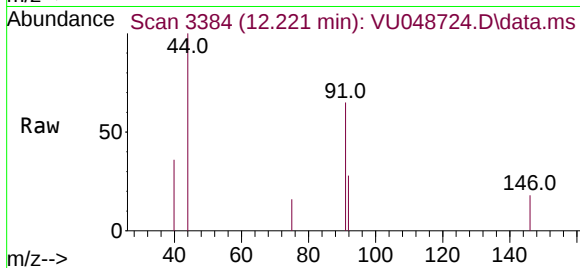
Tgt Ion: 91 Resp: 808

Ion Ratio Lower Upper

91 100

92 49.4 25.9 77.8

134 0.0 12.5 37.5#



#95

Naphthalene

Concen: 4.018 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VU048724.D

Acq: 28 May 2022 04:22

Tgt Ion: 128 Resp: 22079

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.4

129 10.8 8.7 13.1

