

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060122\
 Data File : VU048786.D
 Acq On : 01 Jun 2022 17:43
 Operator : SY/MD
 Sample : N3075-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WELL-1

Quant Time: Jun 02 05:06:14 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)

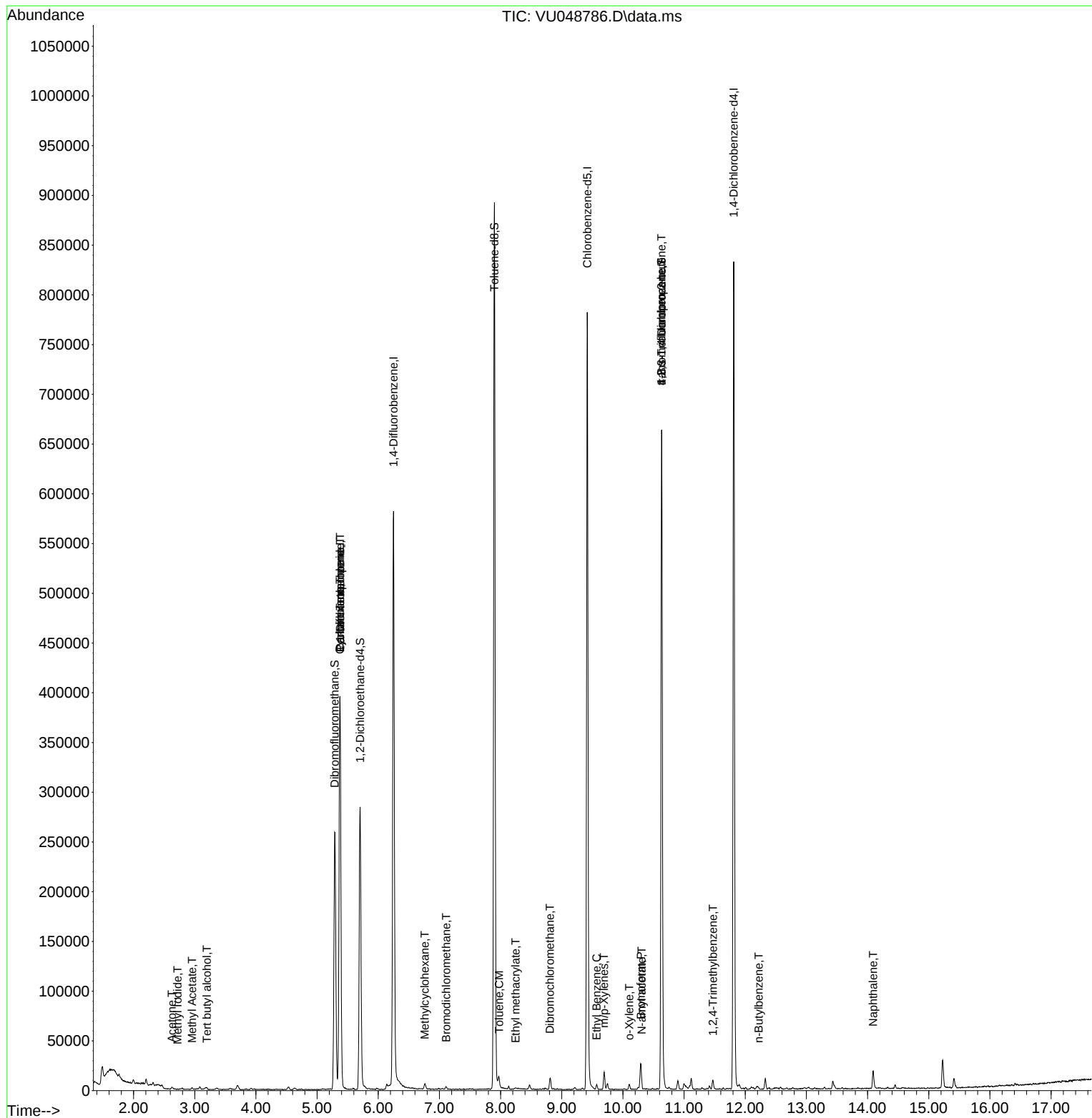
Internal Standards						
1) Pentafluorobenzene	5.375	168	274295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	468409	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	438673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	222421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	213888	51.922	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.840%			
35) Dibromofluoromethane	5.288	113	171374	51.283	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.560%			
50) Toluene-d8	7.899	98	603633	50.391	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.780%			
62) 4-Bromofluorobenzene	10.632	95	233827	51.614	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.220%			
Target Compounds						Qvalue
5) Bromomethane	1.851	94	155	Below Cal		91
6) Chloroethane	1.951	64	486	Below Cal	#	87
10) Methyl Iodide	2.719	142	72	3.020	ug/l #	37
11) Tert butyl alcohol	3.198	59	1244	1.191	ug/l #	28
13) Acrolein	2.501	56	70	Below Cal	#	14
16) Acetone	2.626	43	2146	1.022	ug/l	90
18) Methyl Acetate	2.957	43	1834	0.348	ug/l #	78
31) Cyclohexane	5.372	56	6849	1.319	ug/l #	9
36) 1,1-Dichloropropene	5.375	75	22430	4.599	ug/l #	50
38) Carbon Tetrachloride	5.375	117	29449	5.263	ug/l #	17
39) Methylcyclohexane	6.761	83	2496	0.488	ug/l	92
47) Bromodichloromethane	7.111	83	2179	0.398	ug/l #	88
52) Toluene	7.976	92	3806	0.442	ug/l	92
56) Ethyl methacrylate	8.246	69	40	2.620	ug/l #	43
60) Dibromochloromethane	8.809	129	6900	1.619	ug/l	88
67) Ethyl Benzene	9.571	91	3868	0.247	ug/l	90
68) m/p-Xylenes	9.693	106	5128	0.838	ug/l	97
69) o-Xylene	10.105	106	1297	0.216	ug/l	84
71) Bromoform	10.295	173	12365	3.797	ug/l #	98
74) N-amyl acetate	10.307	43	139	2.485	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	114290	15.937	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	114290	57.865	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.471	105	6011	1.623	ug/l	99
89) n-Butylbenzene	12.221	91	496	2.222	ug/l #	62
95) Naphthalene	14.092	128	16499	3.427	ug/l	97

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

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QLast Update : Fri May 27 06:42:31 2022
Response via : Initial Calibration

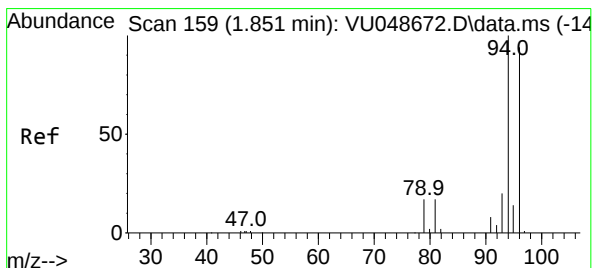
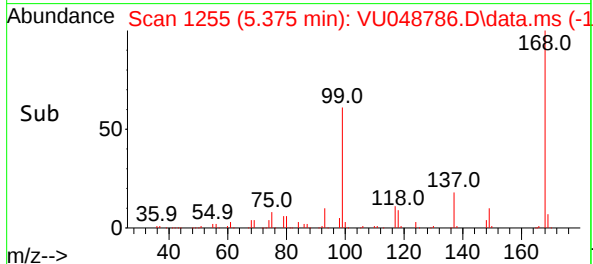
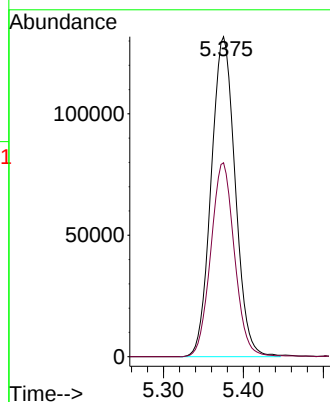
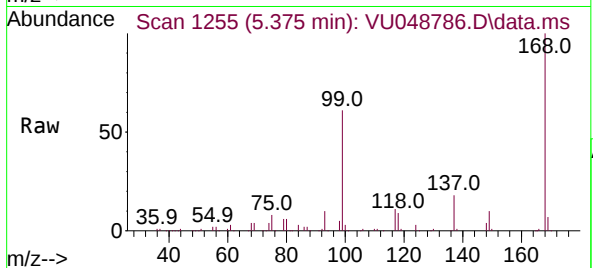




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

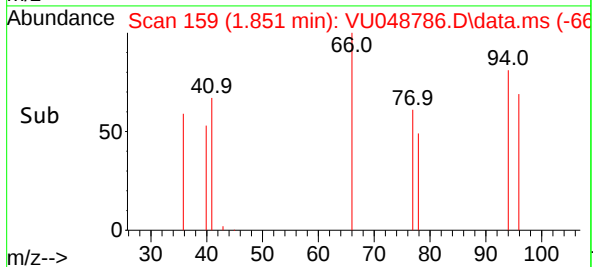
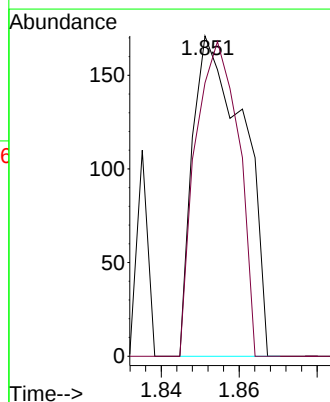
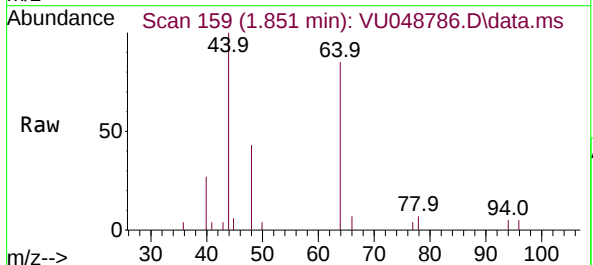
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

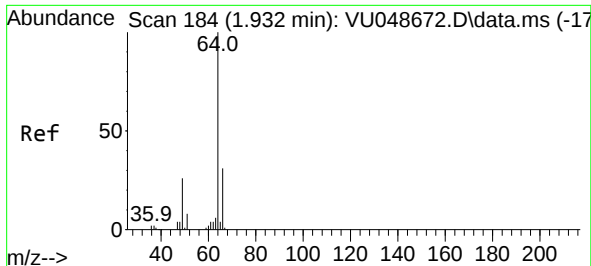
Tgt Ion:168 Resp: 274295
Ion Ratio Lower Upper
168 100
99 60.6 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.851 min Scan# 159
Delta R.T. 0.000 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

Tgt Ion: 94 Resp: 155
Ion Ratio Lower Upper
94 100
96 85.4 75.1 112.7

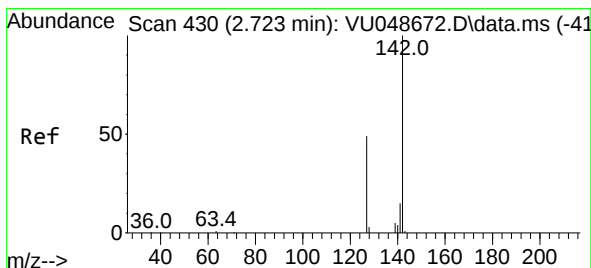
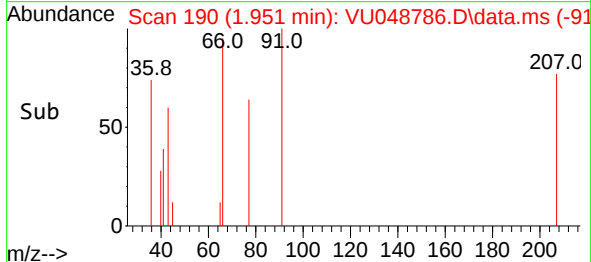
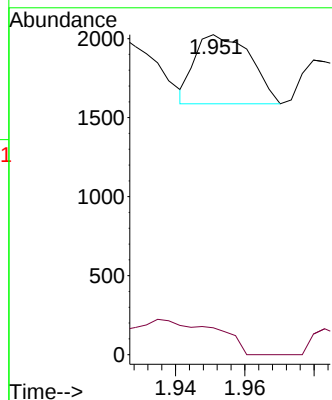
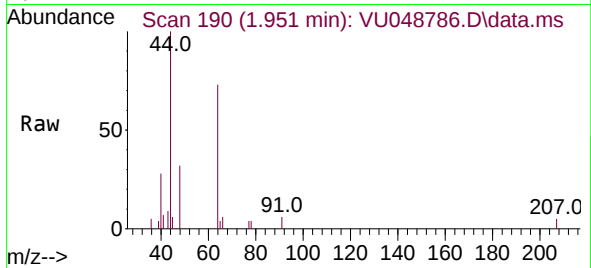




#6
Chloroethane
Concen: Below Cal
RT: 1.951 min Scan# 19
Delta R.T. 0.019 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

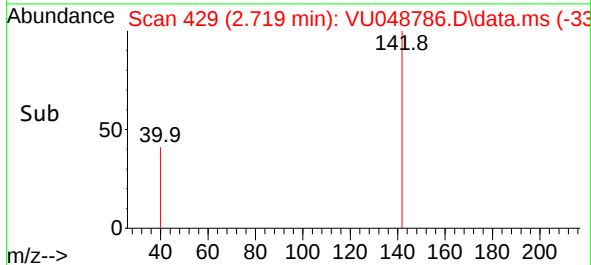
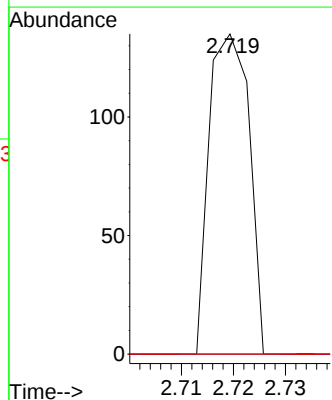
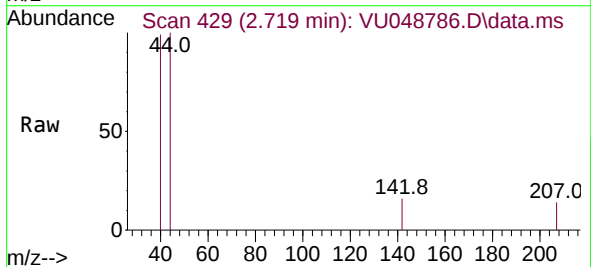
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

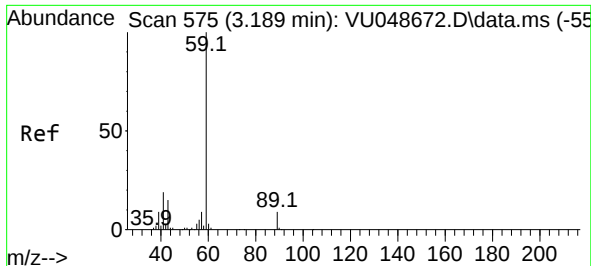
Tgt Ion: 64 Resp: 486
Ion Ratio Lower Upper
64 100
66 38.9 25.2 37.8#



#10
Methyl Iodide
Concen: 3.020 ug/l
RT: 2.719 min Scan# 429
Delta R.T. -0.004 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

Tgt Ion:142 Resp: 72
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: 1.191 ug/l

RT: 3.198 min Scan# 51

Delta R.T. 0.010 min

Lab File: VU048786.D

Acq: 01 Jun 2022 17:43

Instrument :

MSVOA_U

ClientSampleId :

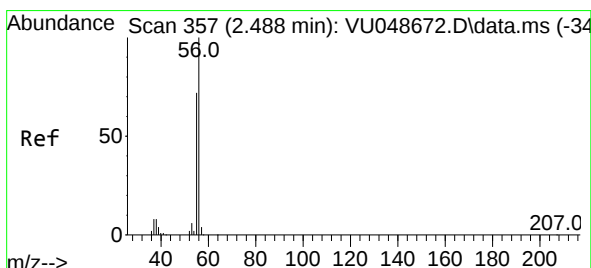
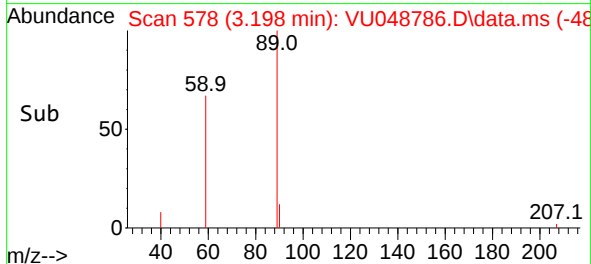
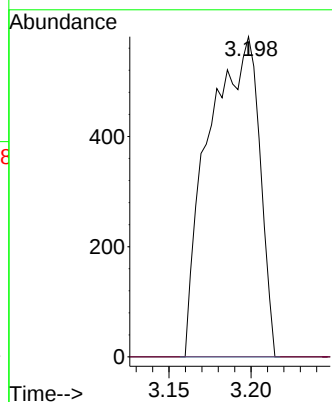
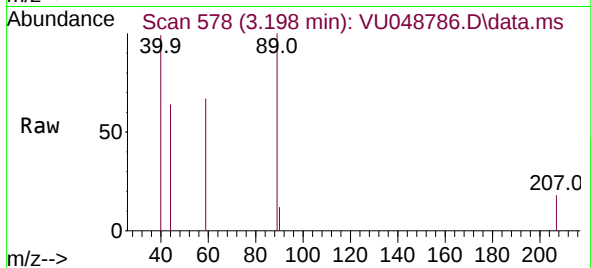
WELL-1

Tgt Ion: 59 Resp: 1244

Ion Ratio Lower Upper

59 100

57 0.0 39.7 59.5#



#13

Acrolein

Concen: Below Cal

RT: 2.501 min Scan# 361

Delta R.T. 0.013 min

Lab File: VU048786.D

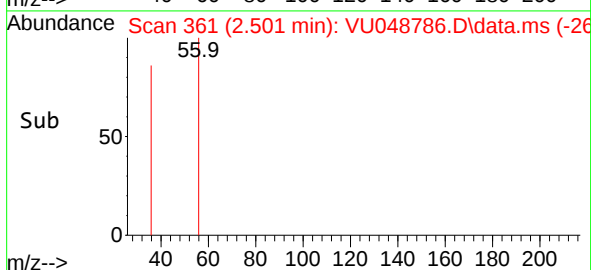
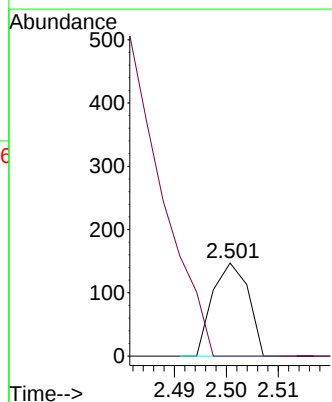
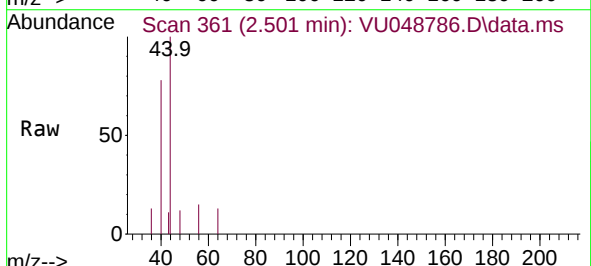
Acq: 01 Jun 2022 17:43

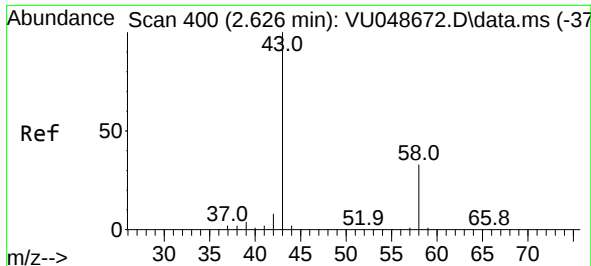
Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

55 0.0 57.7 86.5#

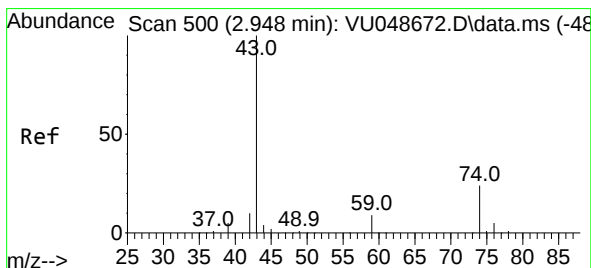
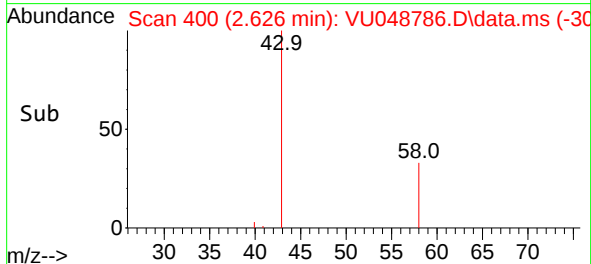
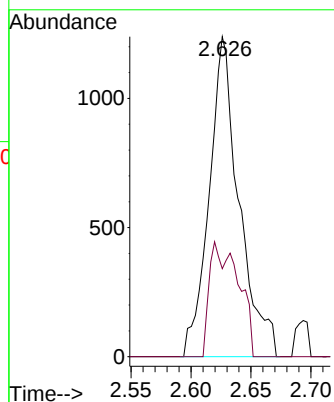
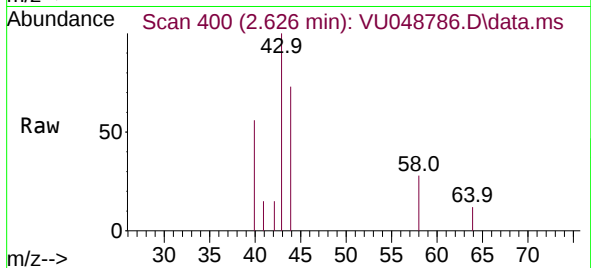




#16
Acetone
Concen: 1.022 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

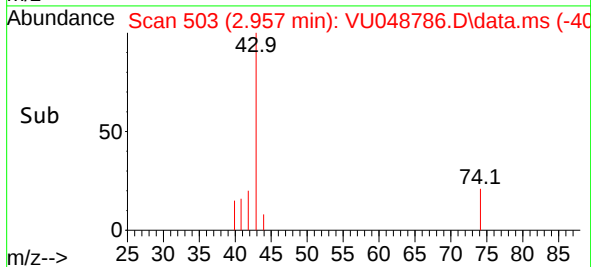
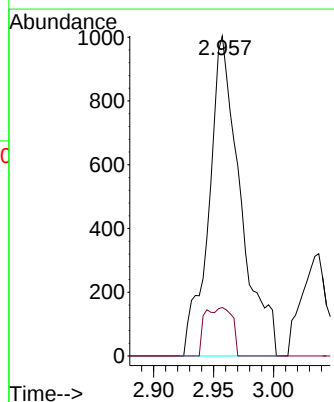
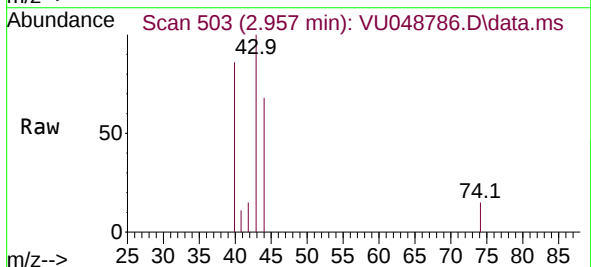
Instrument :
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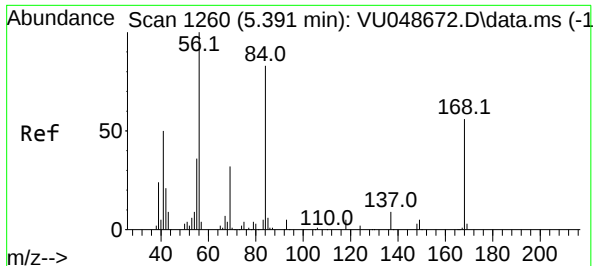
Tgt Ion: 43 Resp: 2146
Ion Ratio Lower Upper
43 100
58 27.5 26.3 39.5



#18
Methyl Acetate
Concen: 0.348 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.010 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

Tgt Ion: 43 Resp: 1834
Ion Ratio Lower Upper
43 100
74 13.0 19.2 28.8#

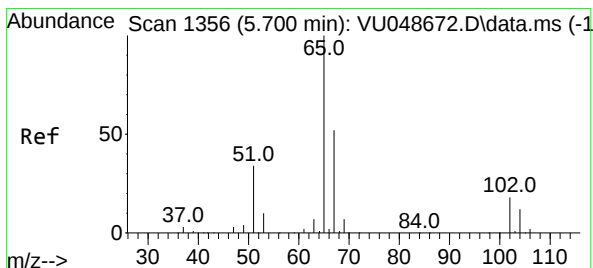
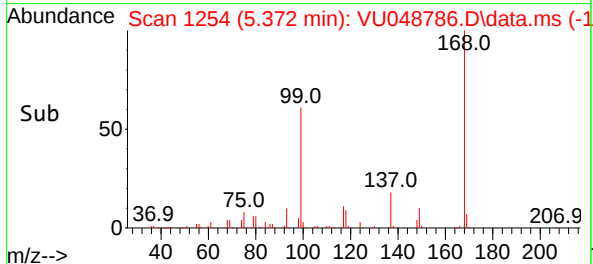
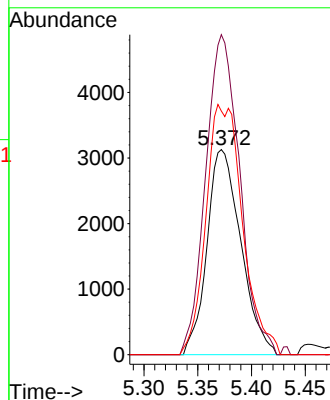
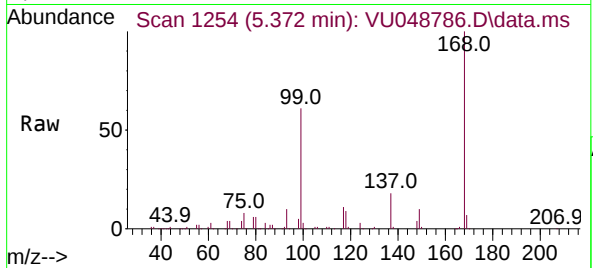




#31
Cyclohexane
Concen: 1.319 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.019 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

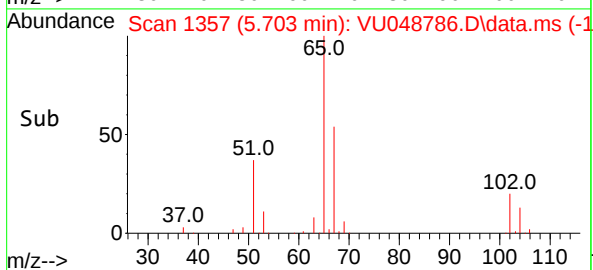
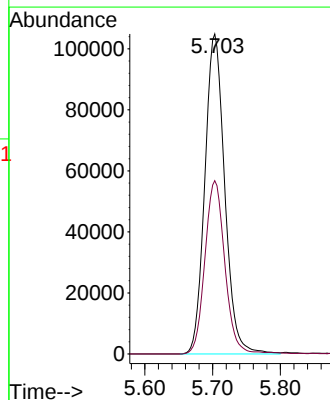
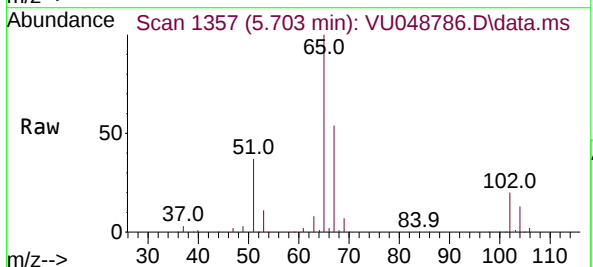
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

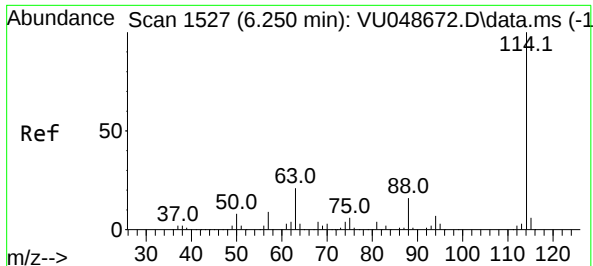
Tgt Ion: 56 Resp: 6849
Ion Ratio Lower Upper
56 100
69 156.0 25.6 38.4#
84 118.8 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 51.922 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

Tgt Ion: 65 Resp: 213888
Ion Ratio Lower Upper
65 100
67 54.1 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: VU048786.D

Acq: 01 Jun 2022 17:43

Instrument :

MSVOA_U

ClientSampleId :

WELL-1

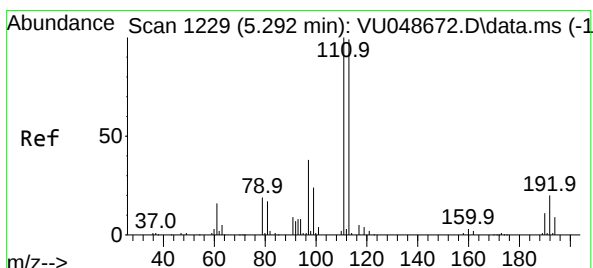
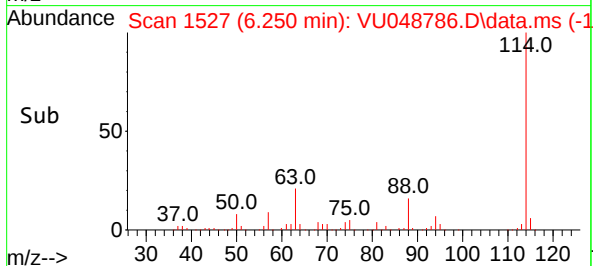
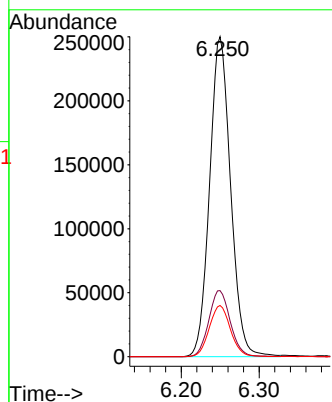
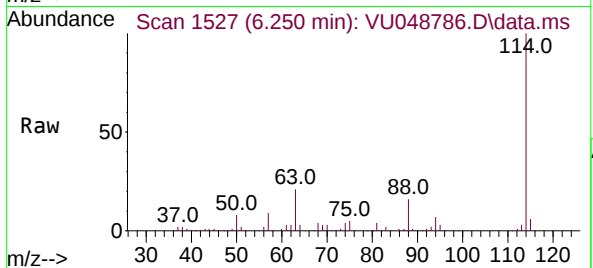
Tgt Ion:114 Resp: 468409

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

88 16.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 51.283 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048786.D

Acq: 01 Jun 2022 17:43

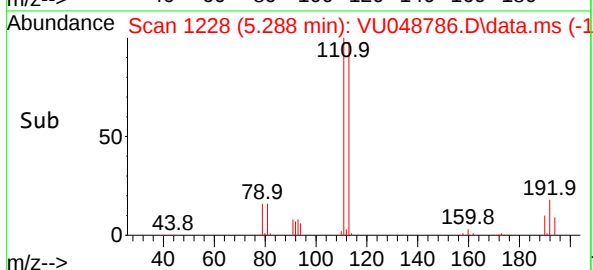
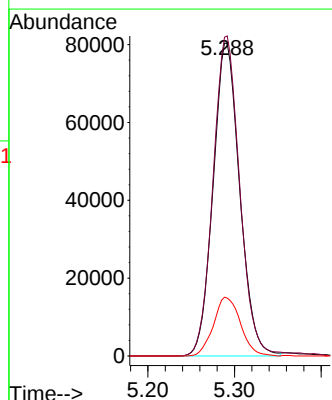
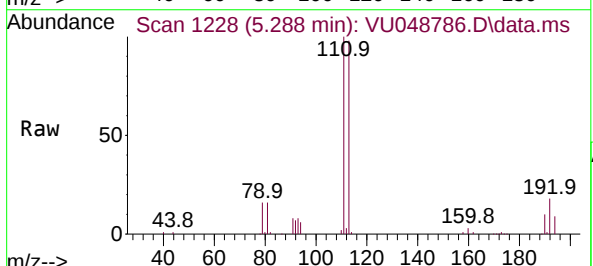
Tgt Ion:113 Resp: 171374

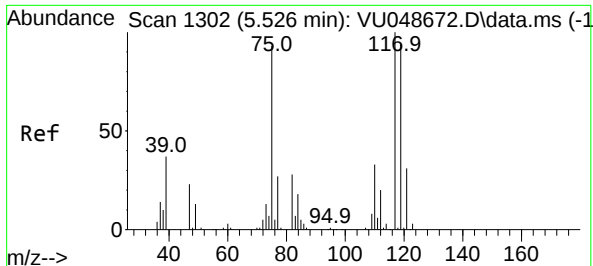
Ion Ratio Lower Upper

113 100

111 102.6 80.7 121.1

192 19.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.599 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048786.D

Acq: 01 Jun 2022 17:43

Instrument :

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ClientSampleId :

WELL-1

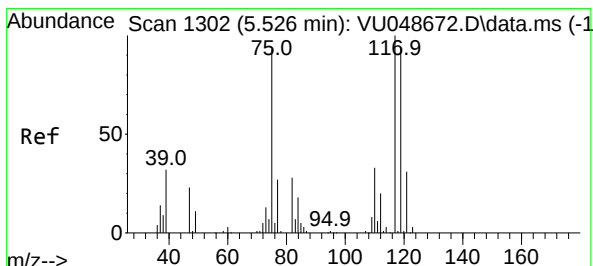
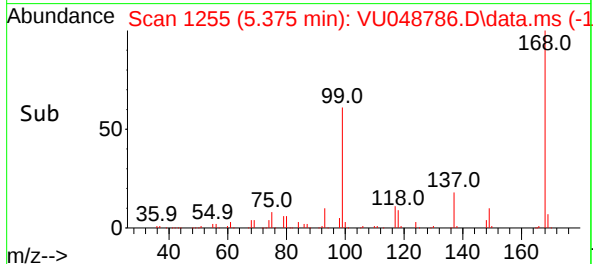
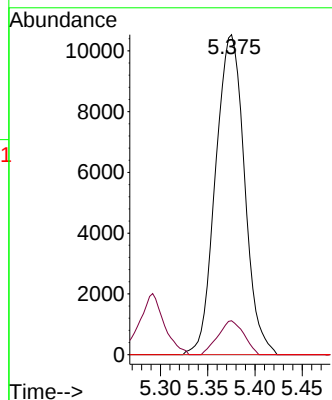
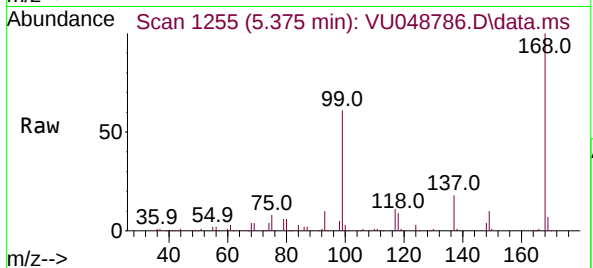
Tgt Ion: 75 Resp: 22430

Ion Ratio Lower Upper

75 100

110 9.5 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.263 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048786.D

Acq: 01 Jun 2022 17:43

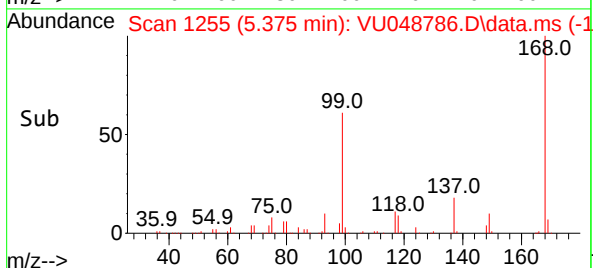
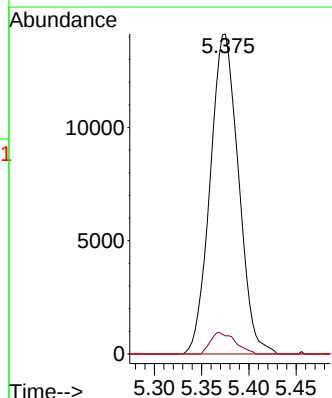
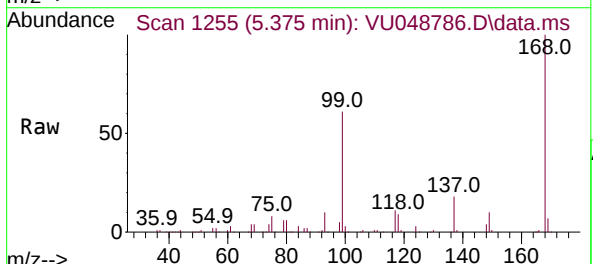
Tgt Ion: 117 Resp: 29449

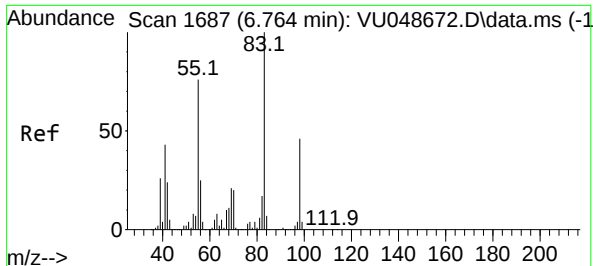
Ion Ratio Lower Upper

117 100

119 5.6 75.4 113.2#

121 0.0 24.6 36.8#





#39

Methylcyclohexane

Concen: 0.488 ug/l

RT: 6.761 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048786.D

Acq: 01 Jun 2022 17:43

Instrument :

MSVOA_U

ClientSampleId :

WELL-1

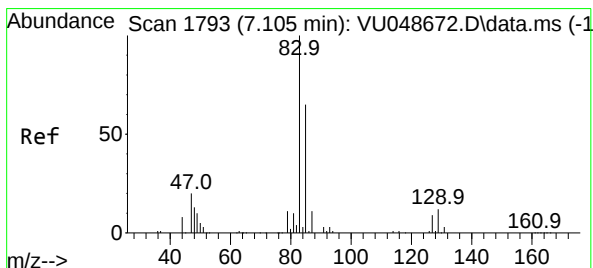
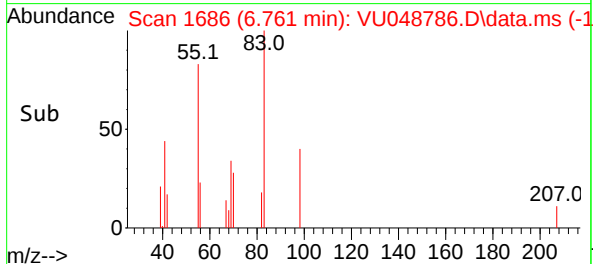
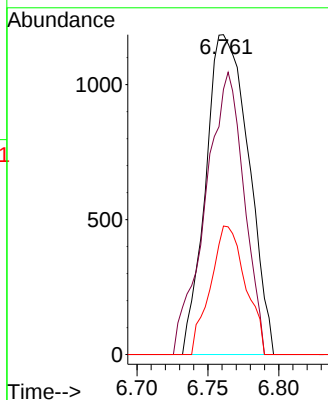
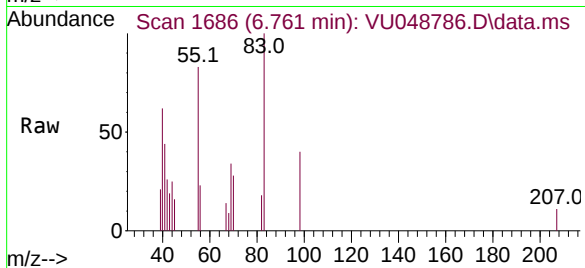
Tgt Ion: 83 Resp: 2496

Ion Ratio Lower Upper

83 100

55 83.0 61.0 91.6

98 40.2 36.8 55.2



#47

Bromodichloromethane

Concen: 0.398 ug/l

RT: 7.111 min Scan# 1795

Delta R.T. 0.006 min

Lab File: VU048786.D

Acq: 01 Jun 2022 17:43

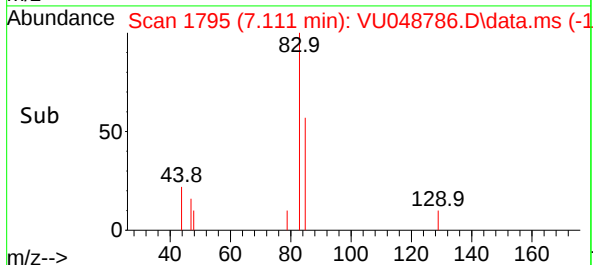
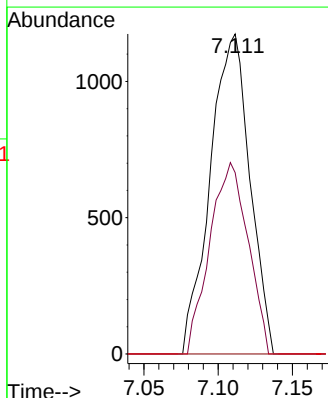
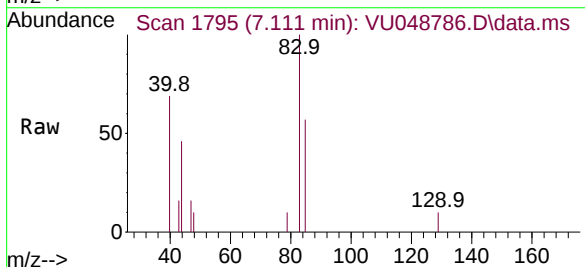
Tgt Ion: 83 Resp: 2179

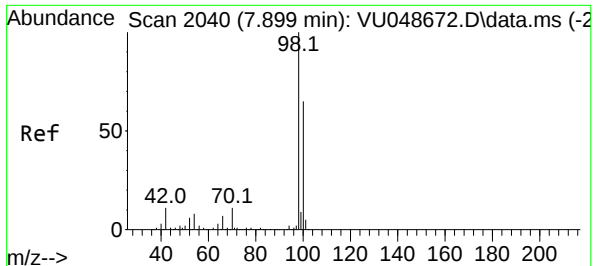
Ion Ratio Lower Upper

83 100

85 56.6 52.1 78.1

127 0.0 6.9 10.3#

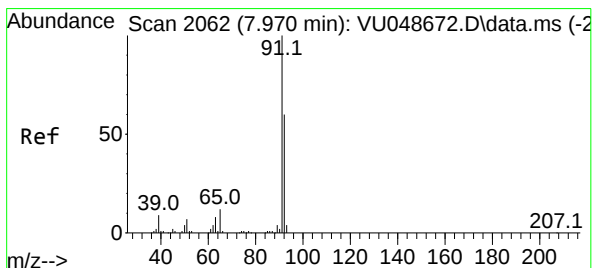
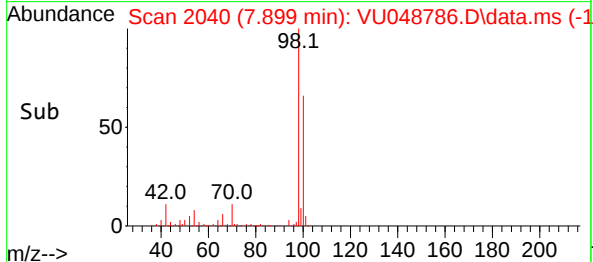
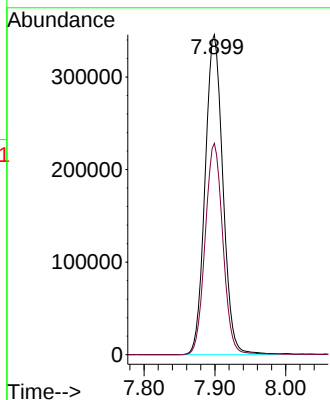
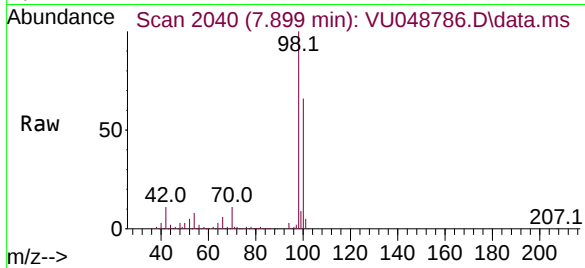




#50
Toluene-d8
Concen: 50.391 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

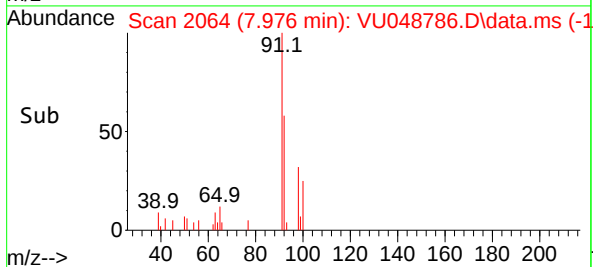
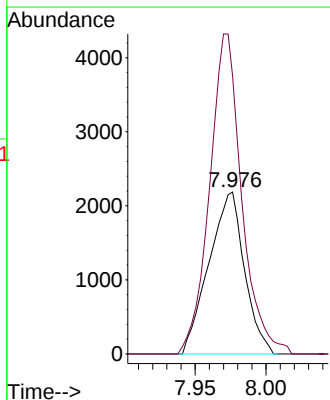
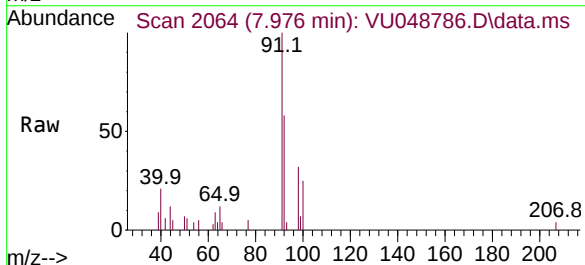
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

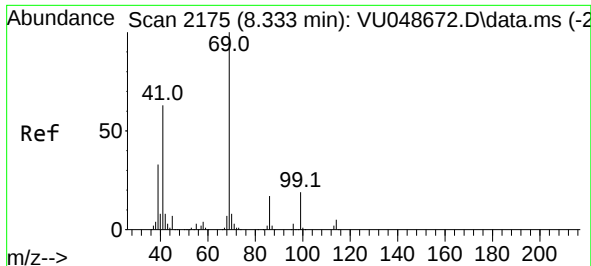
Tgt Ion: 98 Resp: 603633
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4



#52
Toluene
Concen: 0.442 ug/l
RT: 7.976 min Scan# 2064
Delta R.T. 0.006 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

Tgt Ion: 92 Resp: 3806
Ion Ratio Lower Upper
92 100
91 179.2 135.0 202.4

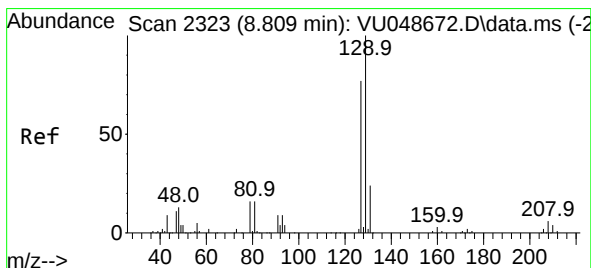
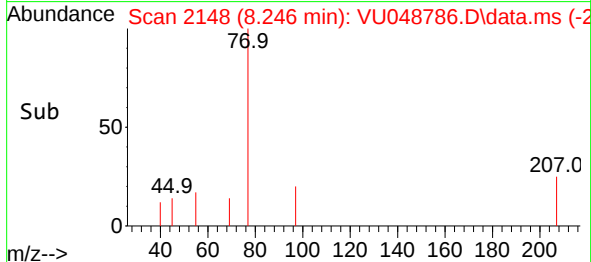
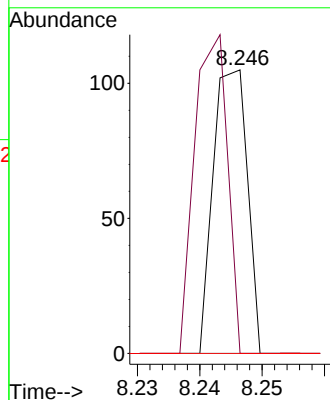
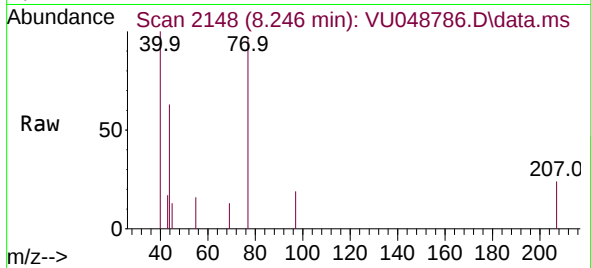




#56
Ethyl methacrylate
Concen: 2.620 ug/l
RT: 8.246 min Scan# 2175
Delta R.T. -0.087 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

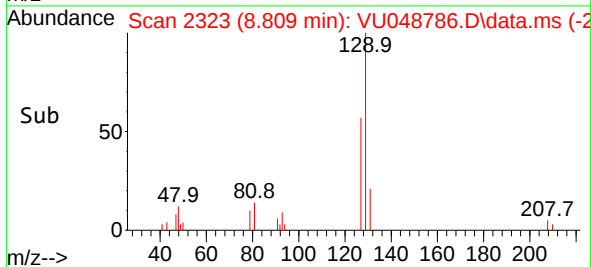
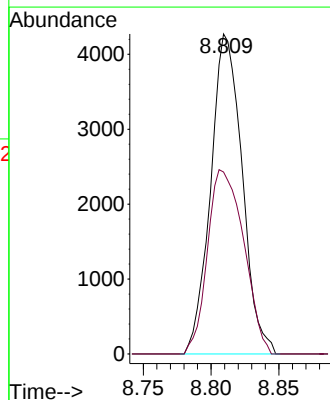
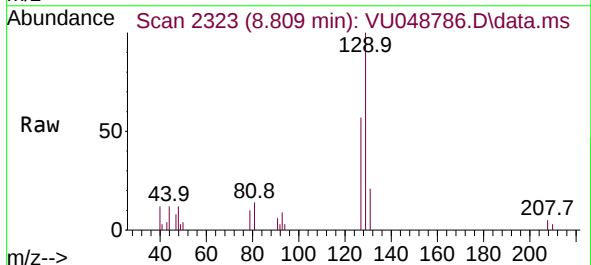
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

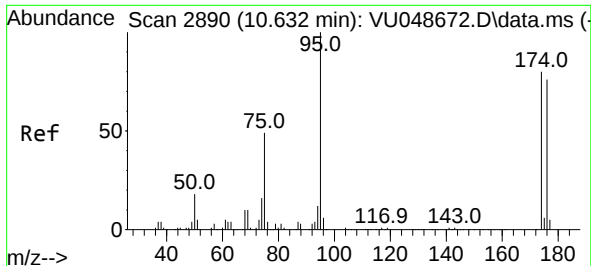
Tgt Ion: 69 Resp: 40
Ion Ratio Lower Upper
69 100
41 107.5 50.6 76.0#
39 0.0 26.6 40.0#



#60
Dibromochloromethane
Concen: 1.619 ug/l
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

Tgt Ion: 129 Resp: 6900
Ion Ratio Lower Upper
129 100
127 66.2 38.5 115.3

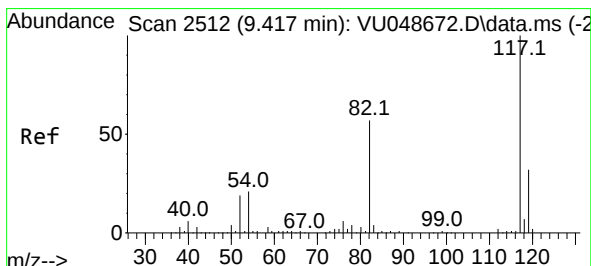
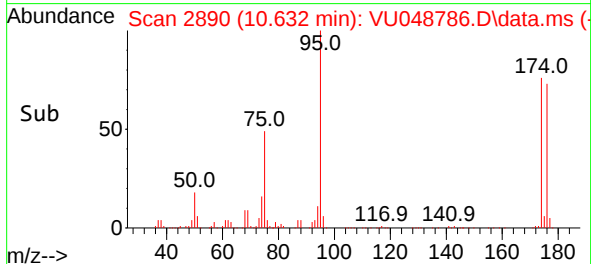
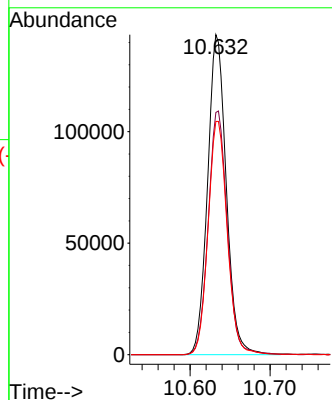
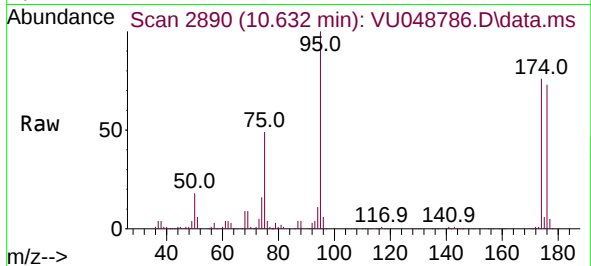




#62
4-Bromofluorobenzene
Concen: 51.614 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

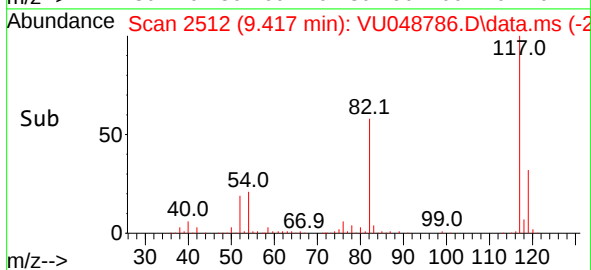
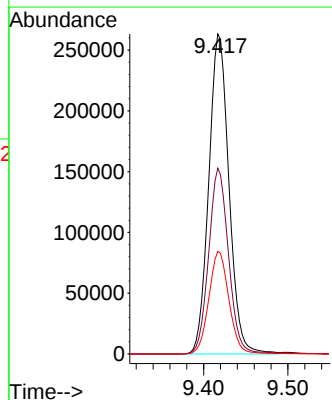
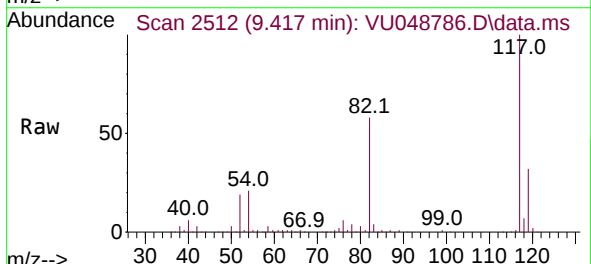
Instrument : MSVOA_U
ClientSampleId : WELL-1

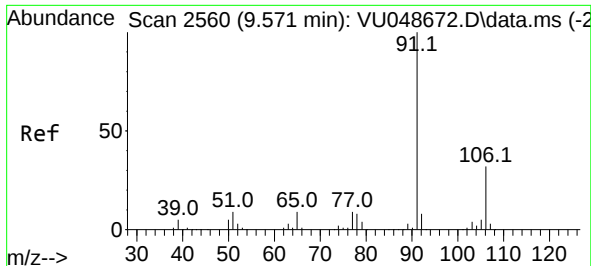
Tgt Ion: 95 Resp: 233827
Ion Ratio Lower Upper
95 100
174 77.4 0.0 159.4
176 74.5 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

Tgt Ion: 117 Resp: 438673
Ion Ratio Lower Upper
117 100
82 58.0 45.3 67.9
119 32.0 25.4 38.2

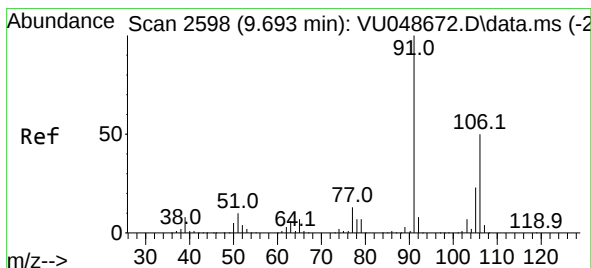
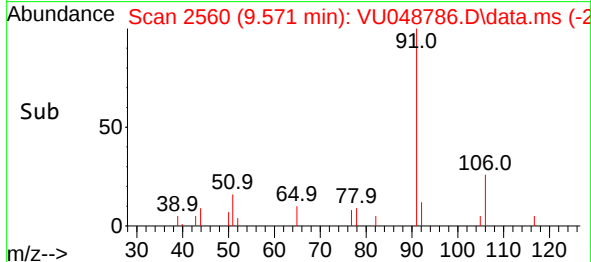
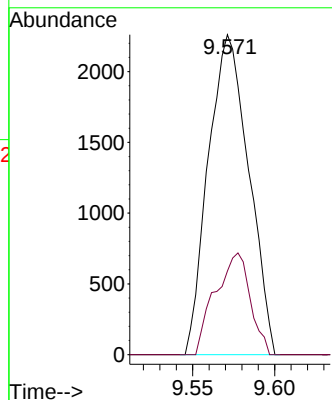
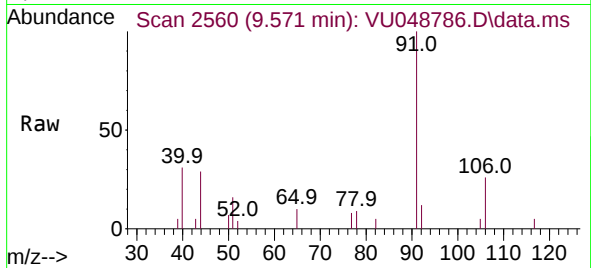




#67
Ethyl Benzene
Concen: 0.247 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

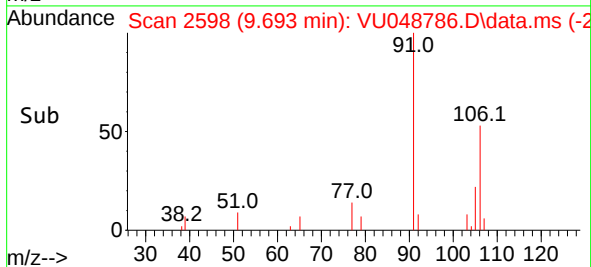
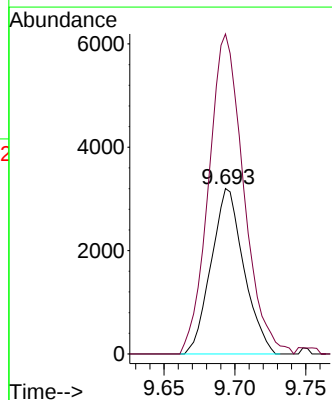
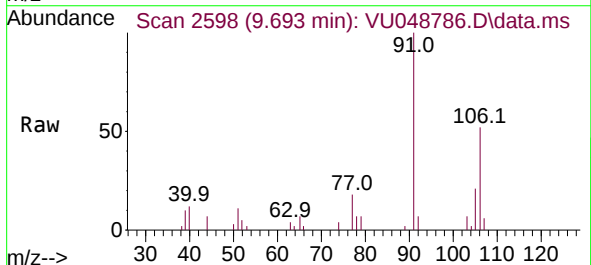
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

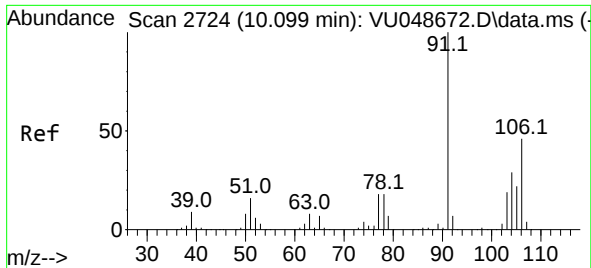
Tgt Ion: 91 Resp: 3868
Ion Ratio Lower Upper
91 100
106 26.1 25.4 38.2



#68
m/p-Xylenes
Concen: 0.838 ug/l
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

Tgt Ion: 106 Resp: 5128
Ion Ratio Lower Upper
106 100
91 206.8 162.4 243.6

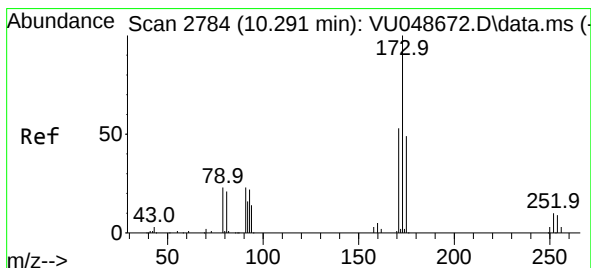
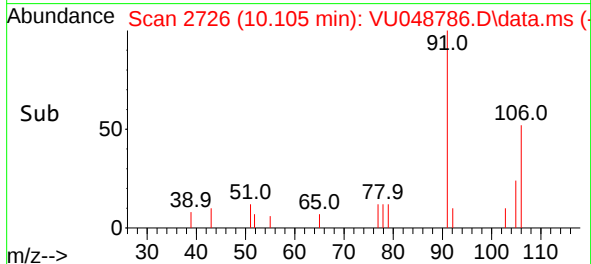
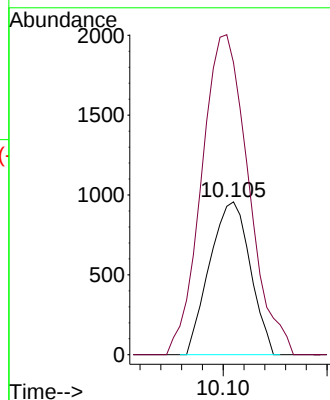
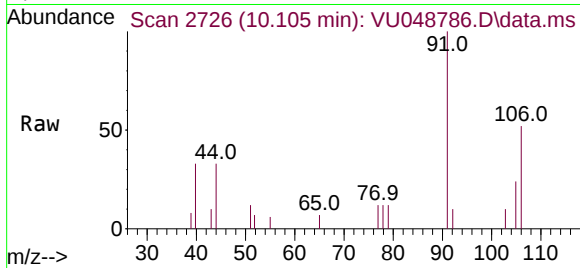




#69
o-Xylene
Concen: 0.216 ug/l
RT: 10.105 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

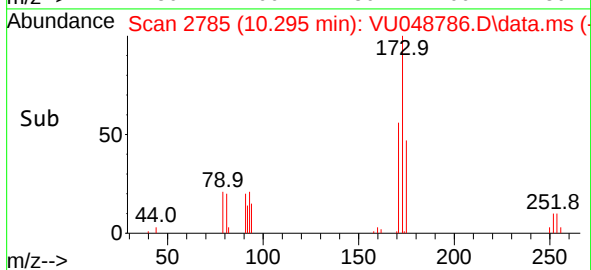
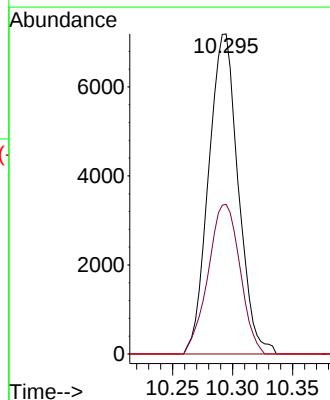
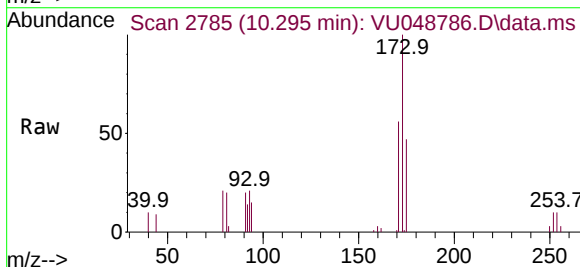
Instrument :
MSVOA_U
ClientSampleId :
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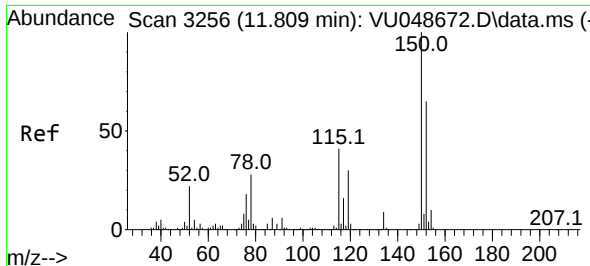
Tgt Ion:106 Resp: 1297
Ion Ratio Lower Upper
106 100
91 241.6 107.7 323.3



#71
Bromoform
Concen: 3.797 ug/l
RT: 10.295 min Scan# 2785
Delta R.T. 0.003 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

Tgt Ion:173 Resp: 12365
Ion Ratio Lower Upper
173 100
175 50.2 24.5 73.5
254 0.0 0.0 0.0

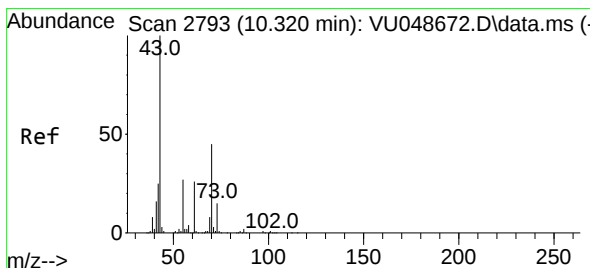
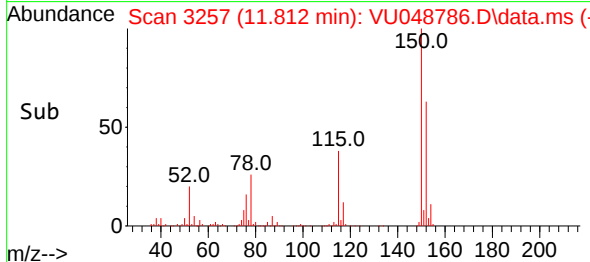
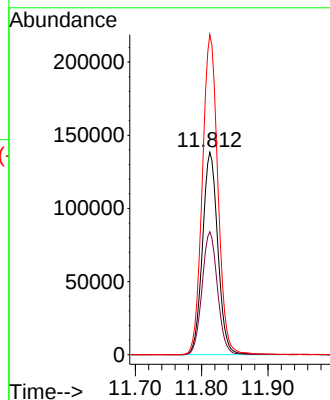
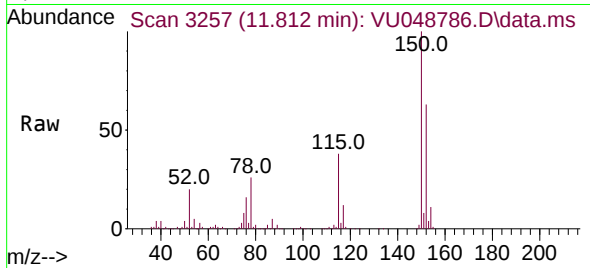




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

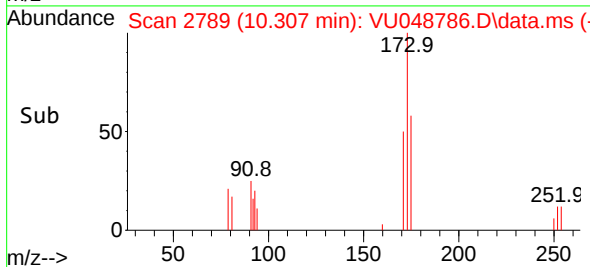
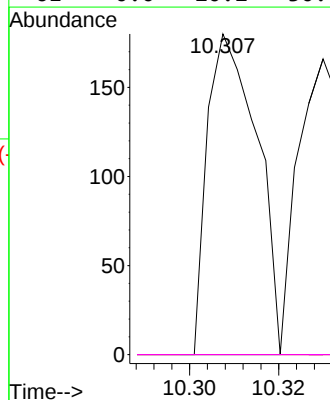
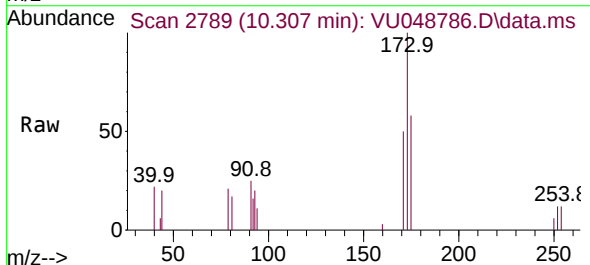
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MSVOA_U
ClientSampleId :
WELL-1

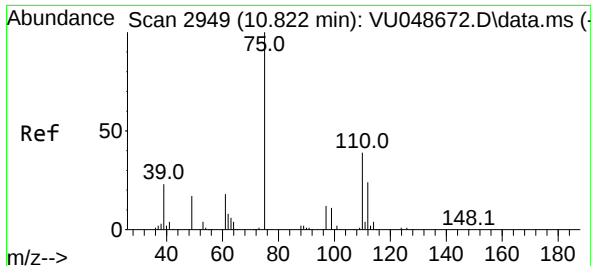
Tgt Ion:152 Resp: 222421
Ion Ratio Lower Upper
152 100
115 61.1 41.8 125.4
150 160.0 0.0 341.0



#74
N-ethyl acetate
Concen: 2.485 ug/l
RT: 10.307 min Scan# 2789
Delta R.T. -0.013 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

Tgt Ion: 43 Resp: 139
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#

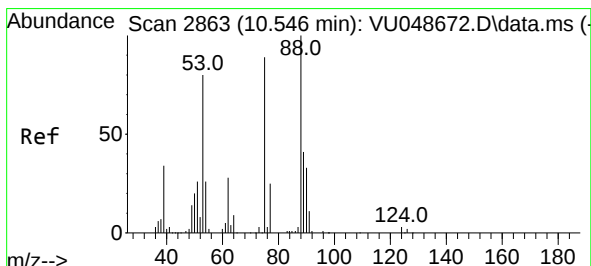
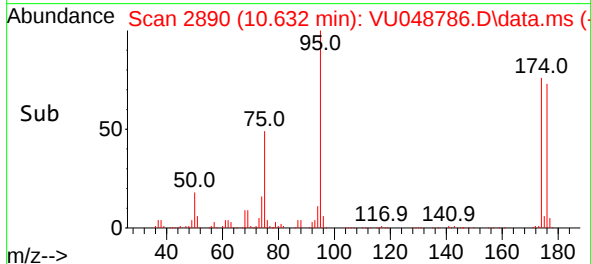
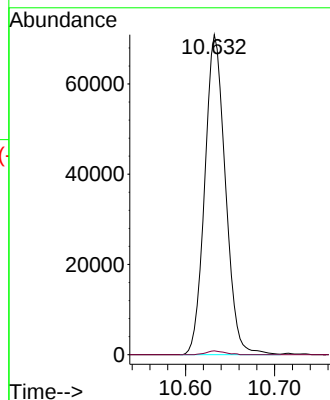
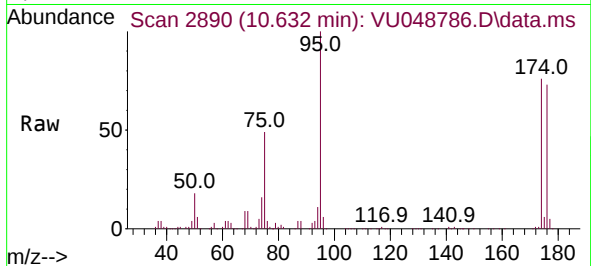




#76
1,2,3-Trichloropropane
Concen: 15.937 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

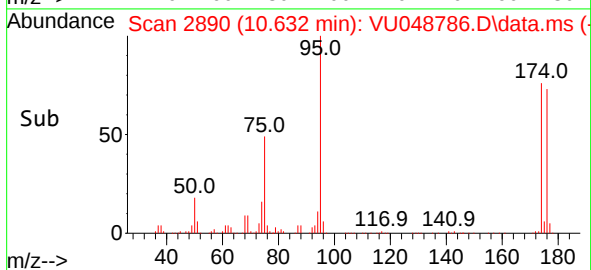
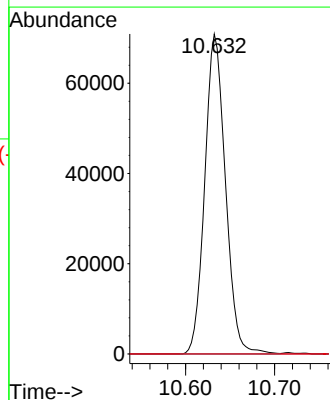
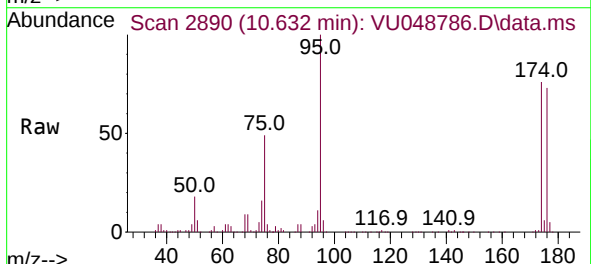
Instrument :
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ClientSampleId :
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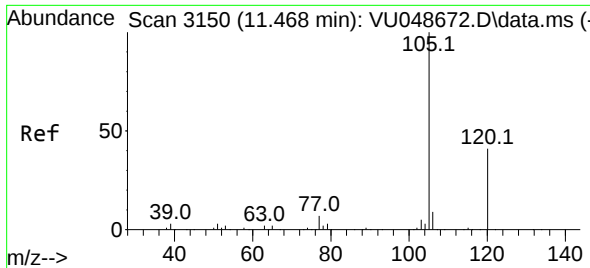
Tgt Ion: 75 Resp: 114290
Ion Ratio Lower Upper
75 100
77 1.1 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.865 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

Tgt Ion: 75 Resp: 114290
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

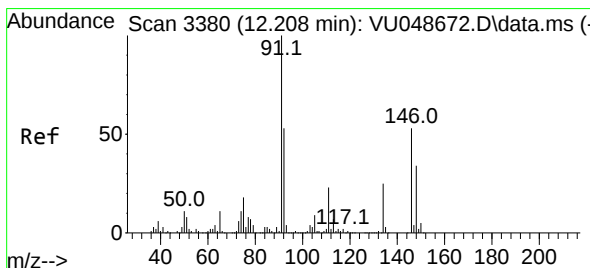
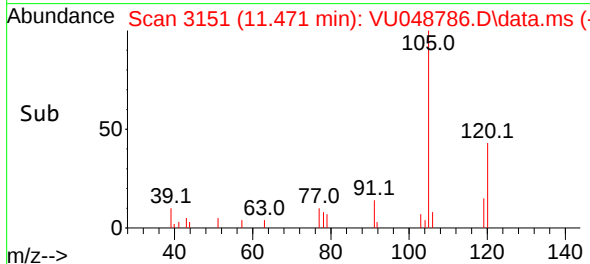
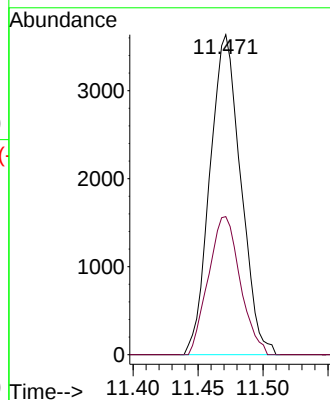
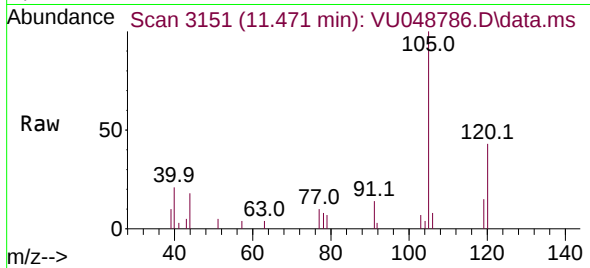




#84
1,2,4-Trimethylbenzene
Concen: 1.623 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

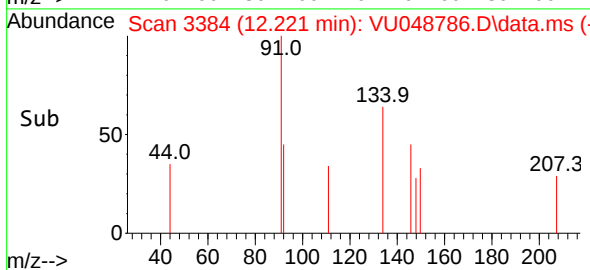
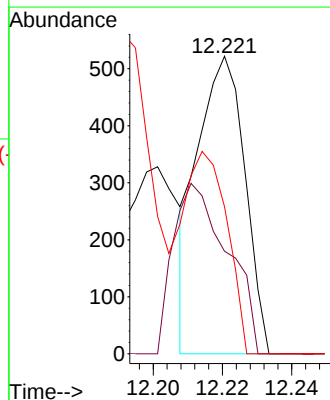
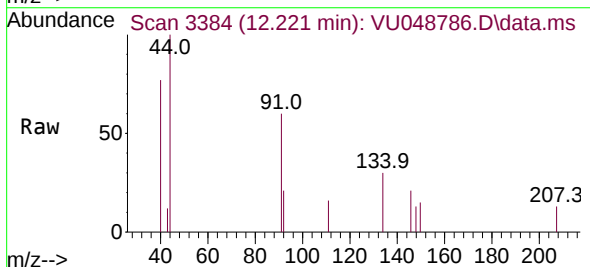
Instrument :
MSVOA_U
ClientSampleId :
WELL-1

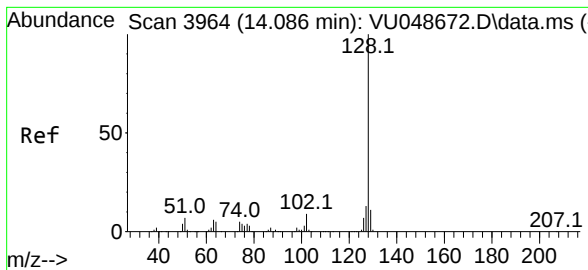
Tgt Ion:105 Resp: 6011
Ion Ratio Lower Upper
105 100
120 44.4 22.5 67.5



#89
n-Butylbenzene
Concen: 2.222 ug/l
RT: 12.221 min Scan# 3384
Delta R.T. 0.013 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

Tgt Ion: 91 Resp: 496
Ion Ratio Lower Upper
91 100
92 65.7 25.9 77.8
134 63.5 12.5 37.5#





#95
Naphthalene
Concen: 3.427 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU048786.D
Acq: 01 Jun 2022 17:43

Instrument :
MSVOA_U
ClientSampleId :
WELL-1

Tgt Ion:	128	Resp:	16499
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.4
129	12.1	8.7	13.1

