

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048917.D
 Acq On : 07 Jun 2022 18:11
 Operator : SY/MD
 Sample : N3165-19
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 43BR-20220601

Quant Time: Jun 08 04:55:09 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)

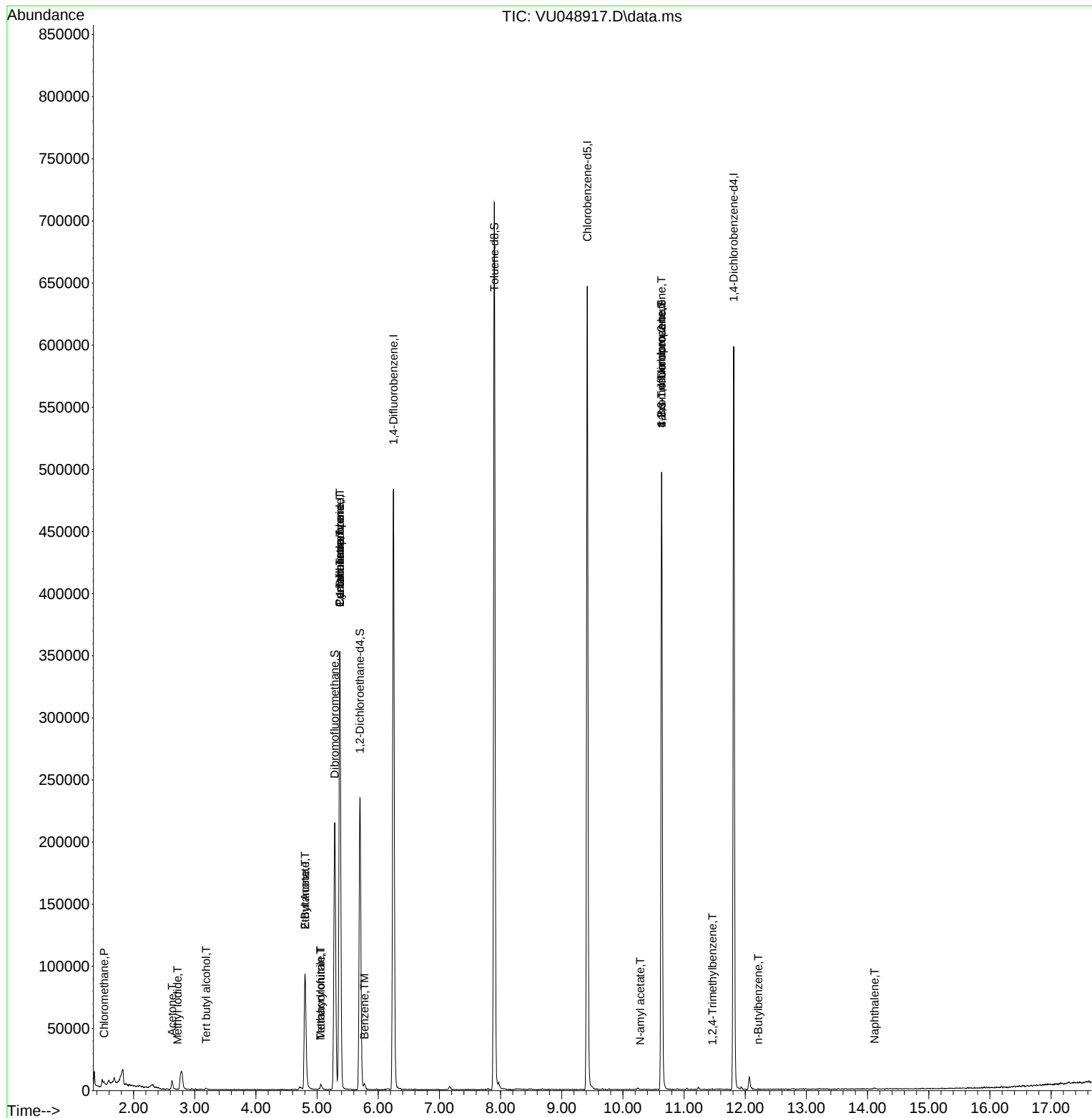
Internal Standards						
1) Pentafluorobenzene	5.372	168	237407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	385537	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	356263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	156429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	180341	50.581	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.160%			
35) Dibromofluoromethane	5.288	113	141238	51.350	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.700%			
50) Toluene-d8	7.899	98	471496	47.821	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.640%			
62) 4-Bromofluorobenzene	10.632	95	163905	43.956	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.920%			
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	1184	0.338	ug/l #	87
5) Bromomethane	1.832	94	177	Below Cal	#	1
6) Chloroethane	1.980	64	239	Below Cal	#	43
10) Methyl Iodide	2.719	142	20	3.010	ug/l #	37
11) Tert butyl alcohol	3.186	59	691	0.764	ug/l #	28
13) Acrolein	2.198	56	43	Below Cal	#	14
16) Acetone	2.629	43	7749	4.265	ug/l	96
25) 2-Butanone	4.803	43	121814	46.666	ug/l #	49
29) Tetrahydrofuran	5.060	42	2783	1.693	ug/l #	87
31) Cyclohexane	5.372	56	4906	1.092	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	19802	4.933	ug/l #	50
37) Ethyl Acetate	4.803	43	121814	24.004	ug/l	99
38) Carbon Tetrachloride	5.372	117	24754	5.375	ug/l #	16
40) Benzene	5.774	78	3921	0.331	ug/l	93
41) Methacrylonitrile	5.060	41	1679	0.655	ug/l #	41
74) N-amyl acetate	10.282	43	44	2.475	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	85920	17.035	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	85920	61.853	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.462	105	44	1.191	ug/l #	31
89) n-Butylbenzene	12.211	91	20	2.187	ug/l #	34
95) Naphthalene	14.114	128	1019	2.611	ug/l #	86

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

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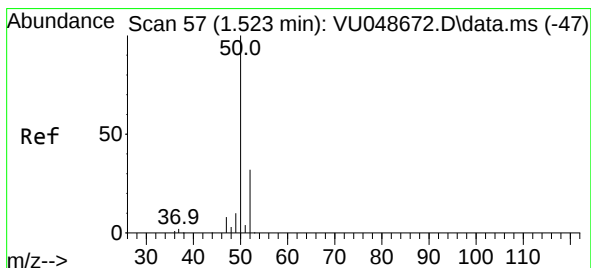
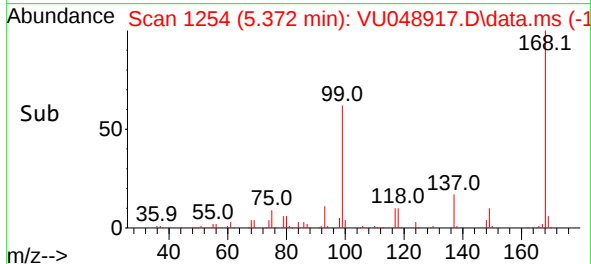
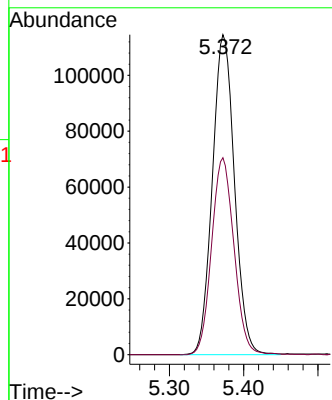
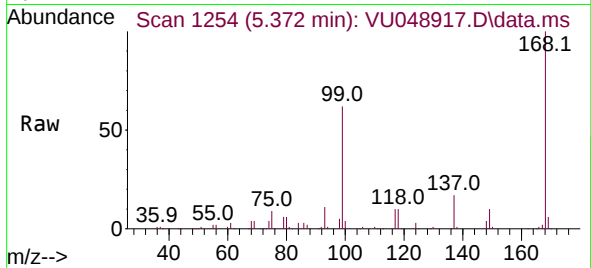




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

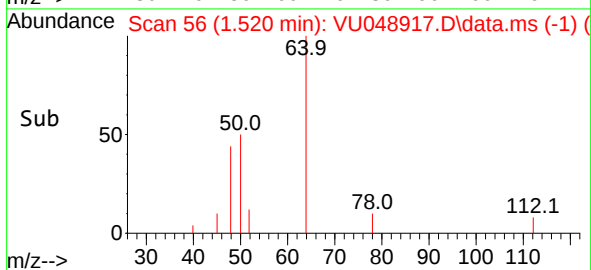
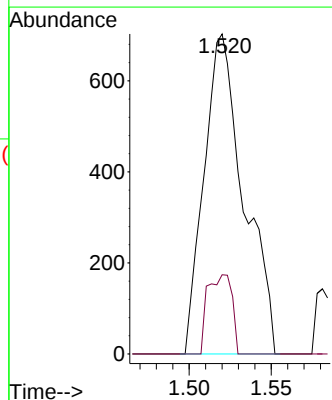
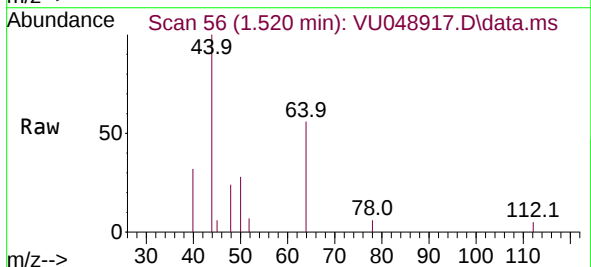
Instrument :
MSVOA_U
ClientSampleId :
43BR-20220601

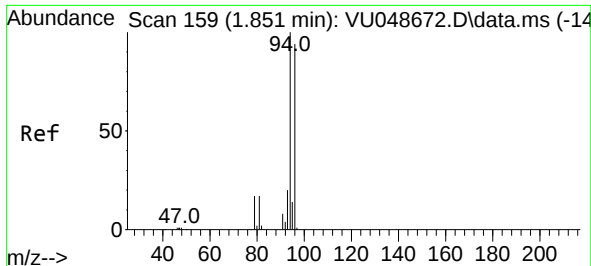
Tgt Ion:168 Resp: 237407
Ion Ratio Lower Upper
168 100
99 61.6 49.3 73.9



#3
Chloromethane
Concen: 0.338 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

Tgt Ion: 50 Resp: 1184
Ion Ratio Lower Upper
50 100
52 24.8 25.7 38.5#

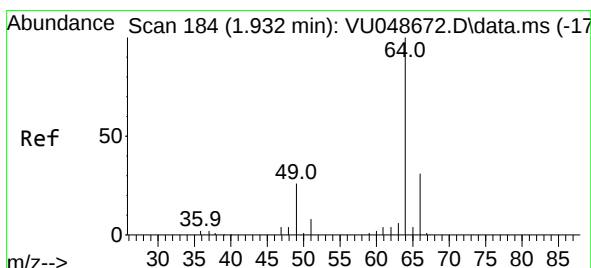
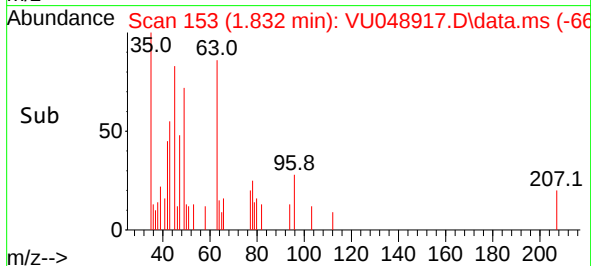
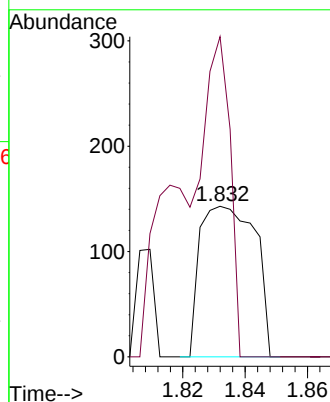
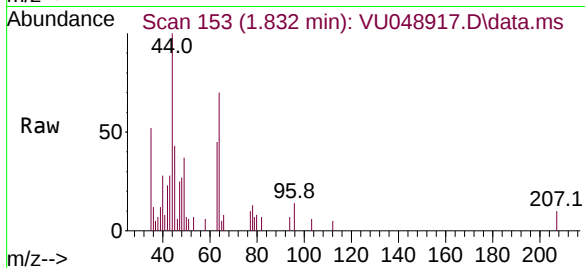




#5
Bromomethane
Concen: Below Cal
RT: 1.832 min Scan# 11
Delta R.T. -0.019 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

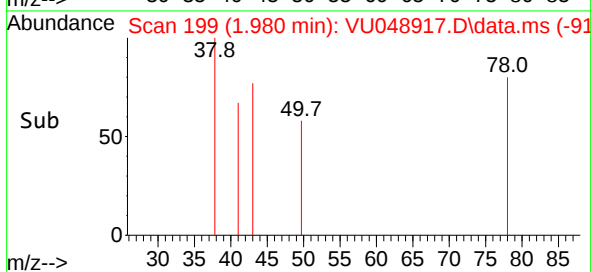
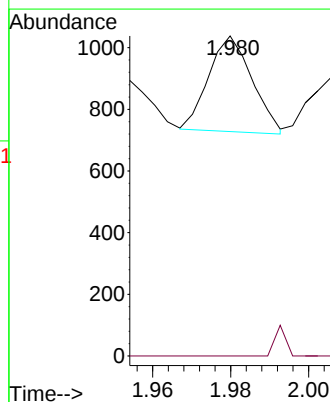
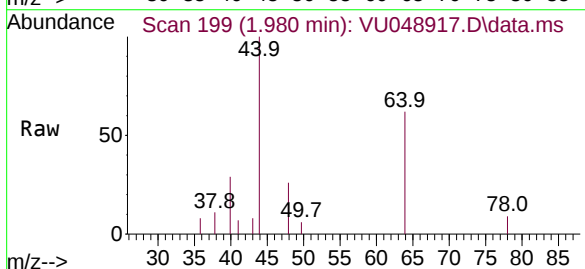
Instrument :
MSVOA_U
ClientSampleId :
43BR-20220601

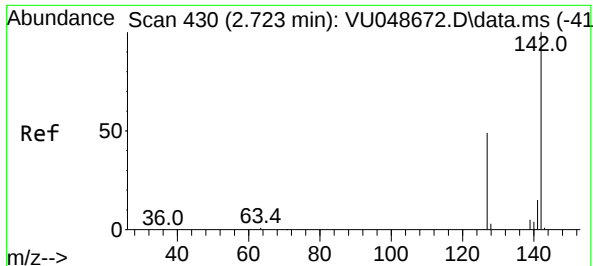
Tgt Ion: 94 Resp: 177
Ion Ratio Lower Upper
94 100
96 212.6 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.980 min Scan# 199
Delta R.T. 0.048 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

Tgt Ion: 64 Resp: 239
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

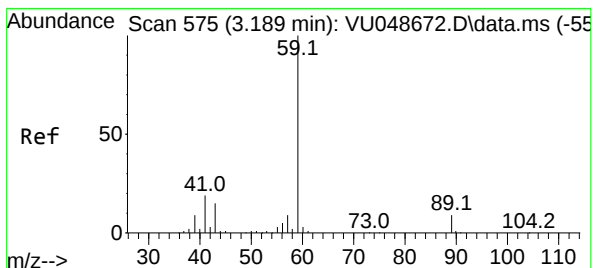
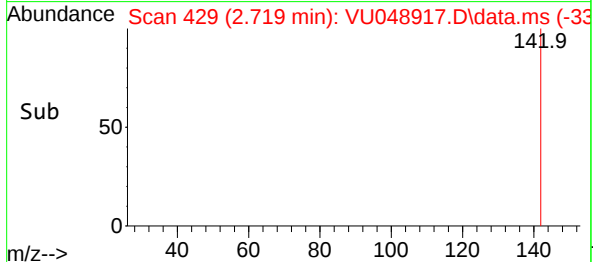
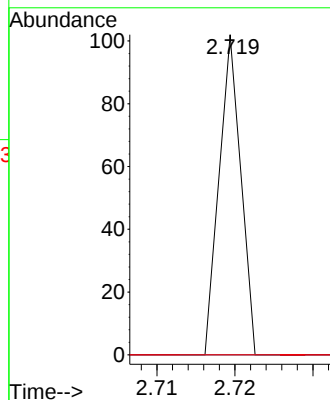
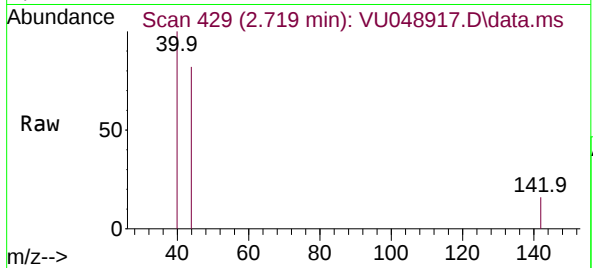




#10
Methyl Iodide
Concen: 3.010 ug/l
RT: 2.719 min Scan# 430
Delta R.T. -0.004 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

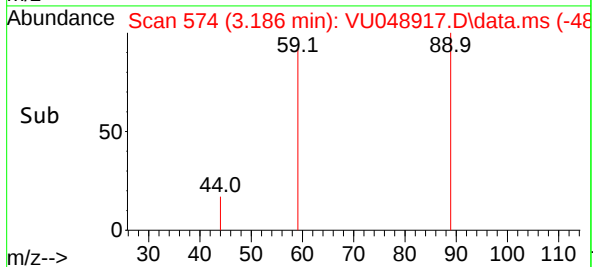
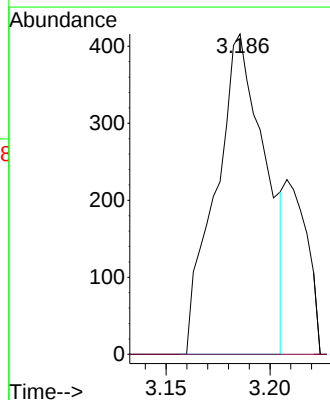
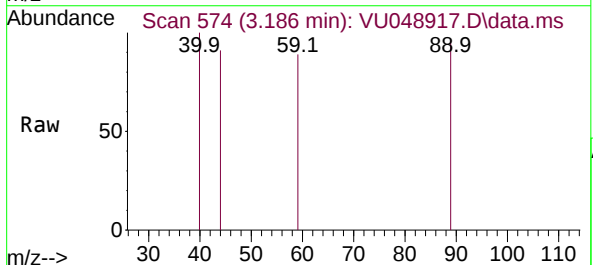
Instrument :
MSVOA_U
ClientSampleId :
43BR-20220601

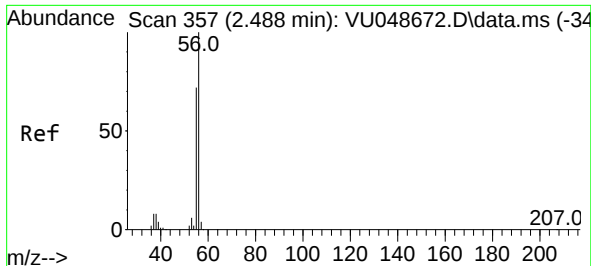
Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.764 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.003 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

Tgt Ion: 59 Resp: 691
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

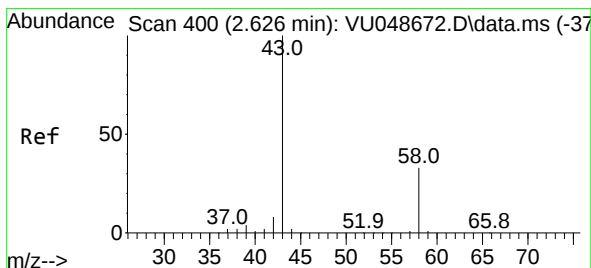
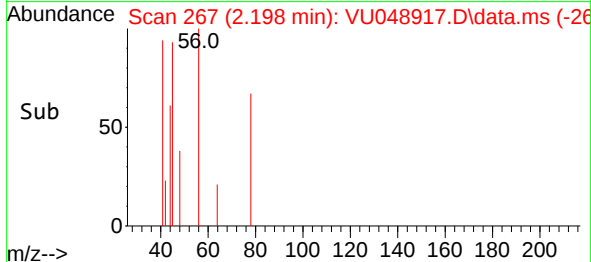
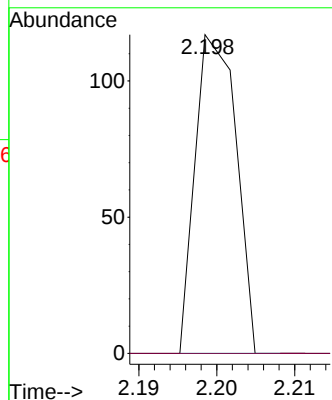
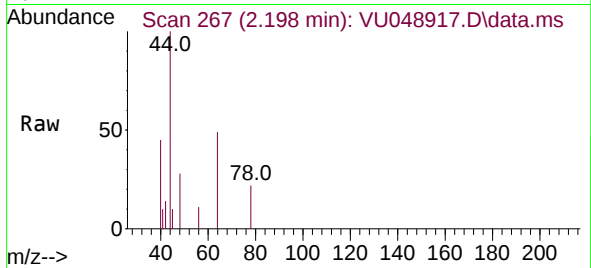




#13
Acrolein
Concen: Below Cal
RT: 2.198 min Scan# 20
Delta R.T. -0.290 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

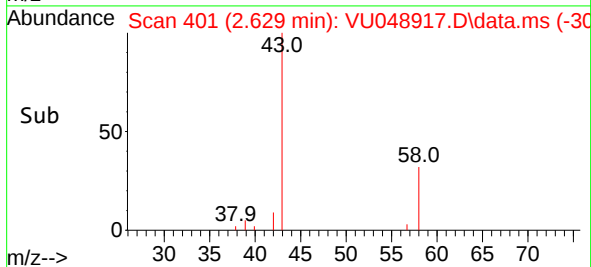
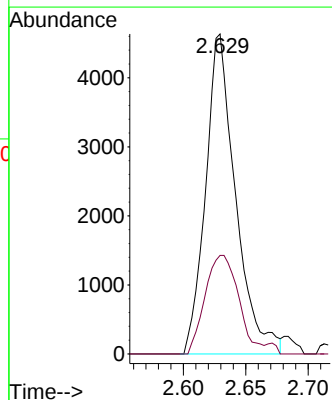
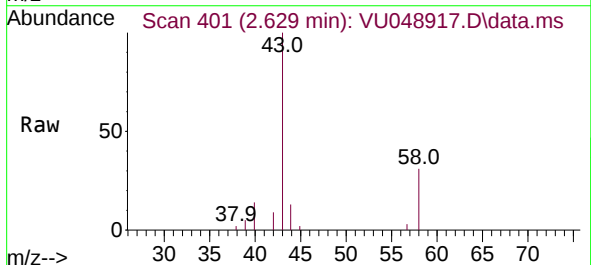
Instrument :
MSVOA_U
ClientSampleId :
43BR-20220601

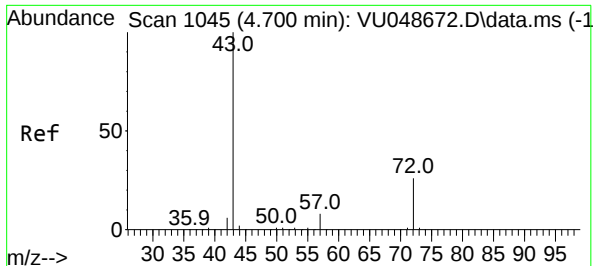
Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#



#16
Acetone
Concen: 4.265 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

Tgt Ion: 43 Resp: 7749
Ion Ratio Lower Upper
43 100
58 30.8 26.3 39.5





#25

2-Butanone

Concen: 46.666 ug/l

RT: 4.803 min Scan# 1107

Delta R.T. 0.103 min

Lab File: VU048917.D

Acq: 07 Jun 2022 18:11

Instrument :

MSVOA_U

ClientSampleId :

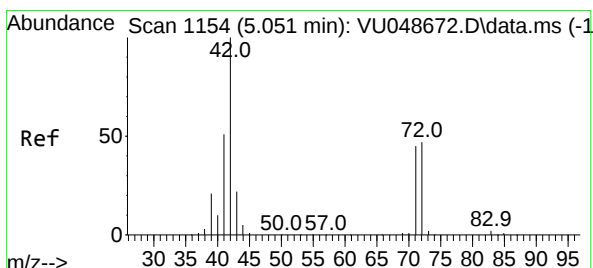
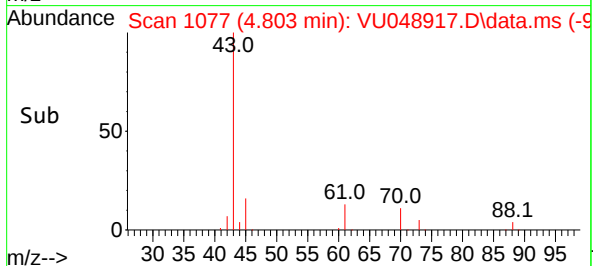
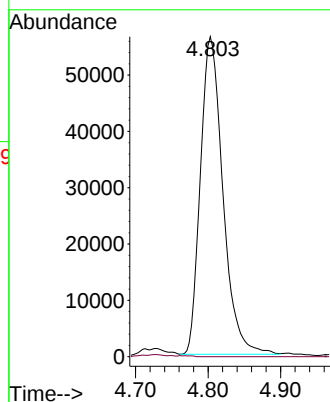
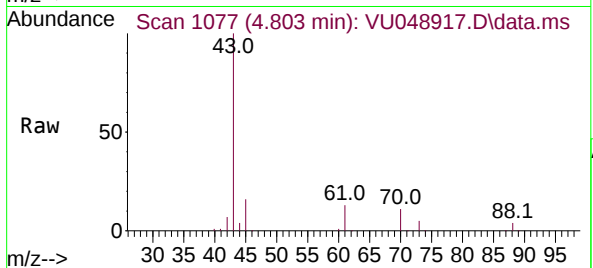
43BR-20220601

Tgt Ion: 43 Resp: 121814

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#29

Tetrahydrofuran

Concen: 1.693 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.010 min

Lab File: VU048917.D

Acq: 07 Jun 2022 18:11

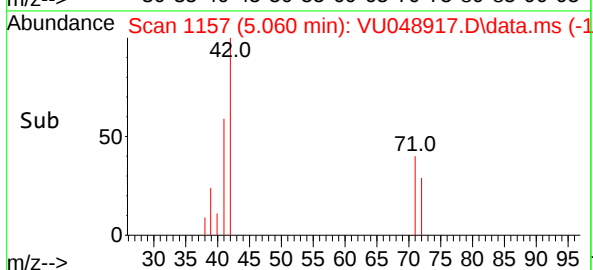
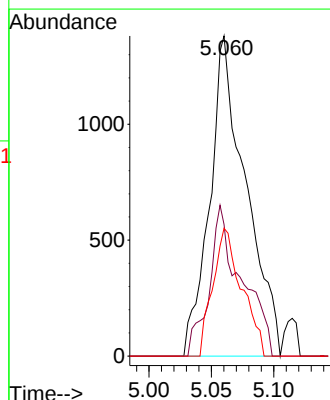
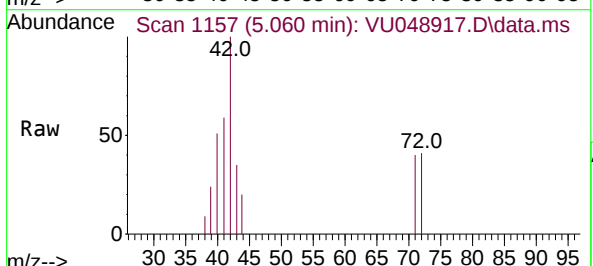
Tgt Ion: 42 Resp: 2783

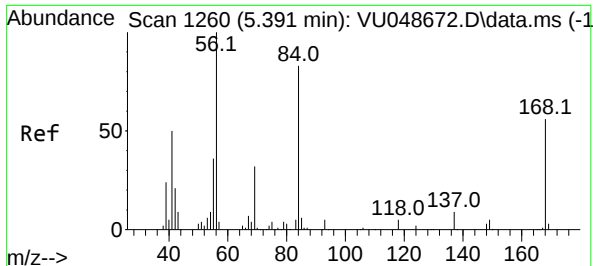
Ion Ratio Lower Upper

42 100

72 42.1 37.6 56.4

71 32.0 35.0 52.4#

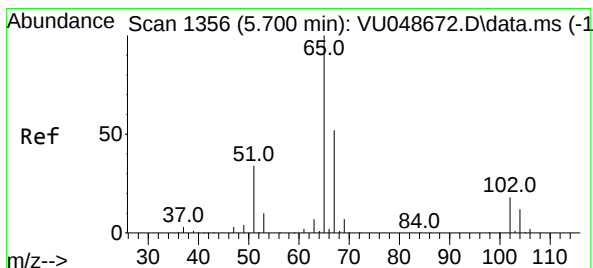
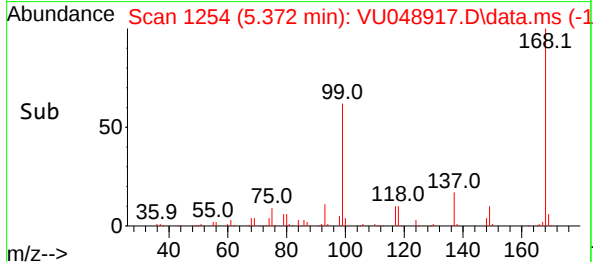
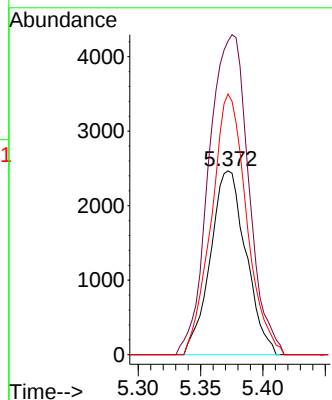
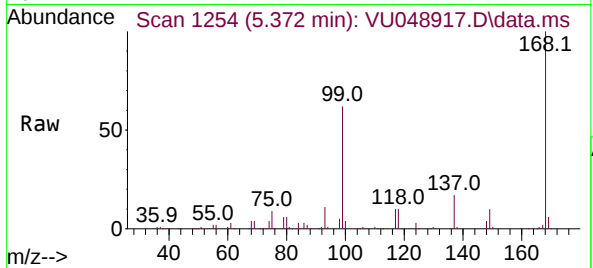




#31
Cyclohexane
Concen: 1.092 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

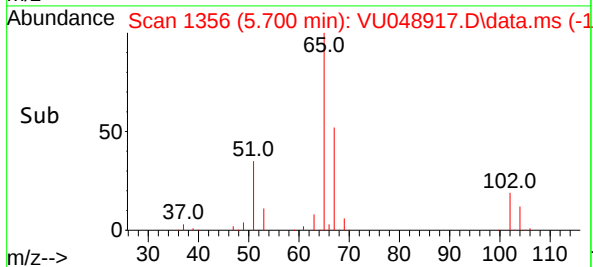
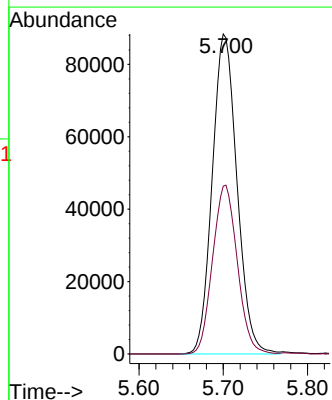
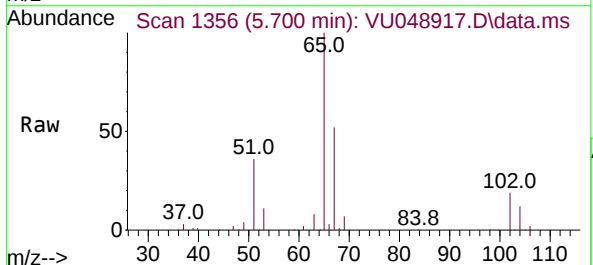
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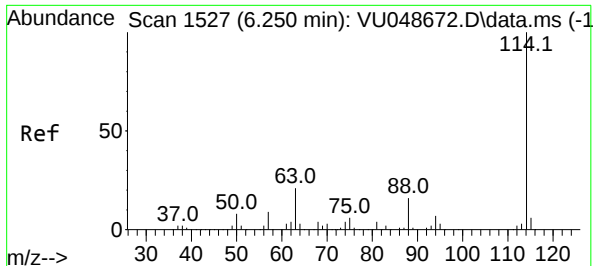
Tgt Ion: 56 Resp: 4906
Ion Ratio Lower Upper
56 100
69 165.9 25.6 38.4#
84 141.8 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 50.581 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. -0.000 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

Tgt Ion: 65 Resp: 180341
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# 11

Delta R.T. -0.000 min

Lab File: VU048917.D

Acq: 07 Jun 2022 18:11

Instrument :

MSVOA_U

ClientSampleId :

43BR-20220601

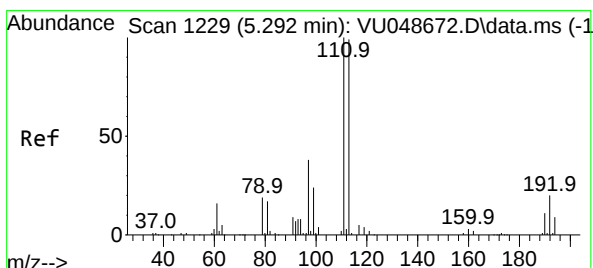
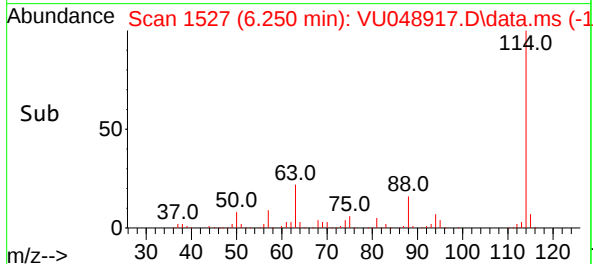
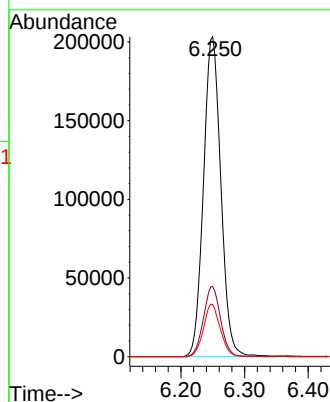
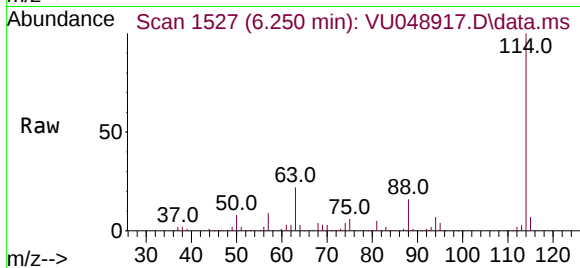
Tgt Ion:114 Resp: 385537

Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.6

88 16.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 51.350 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048917.D

Acq: 07 Jun 2022 18:11

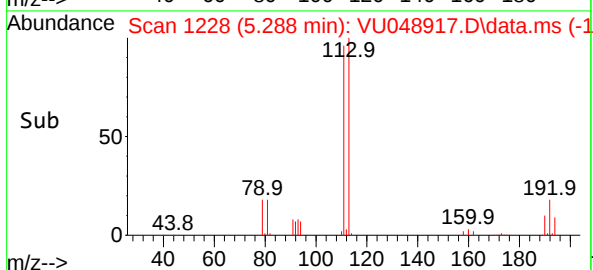
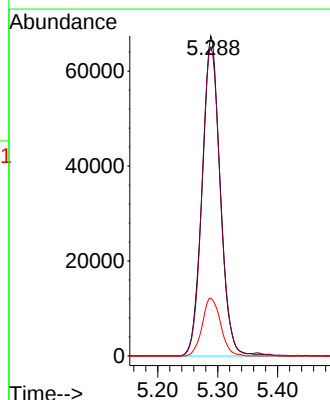
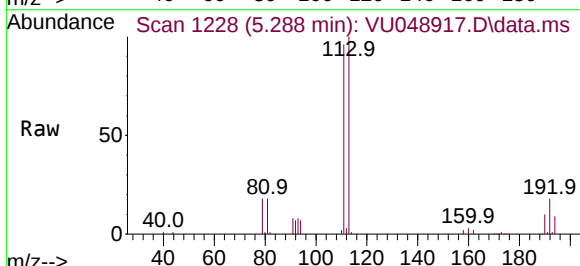
Tgt Ion:113 Resp: 141238

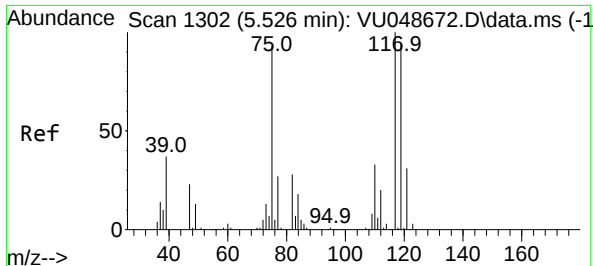
Ion Ratio Lower Upper

113 100

111 98.3 80.7 121.1

192 18.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.933 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU048917.D

Acq: 07 Jun 2022 18:11

Instrument :

MSVOA_U

ClientSampleId :

43BR-20220601

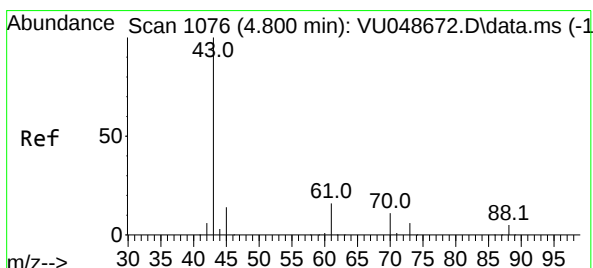
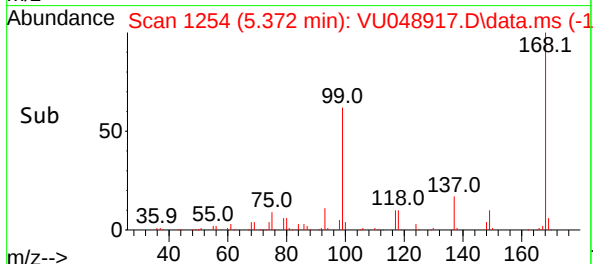
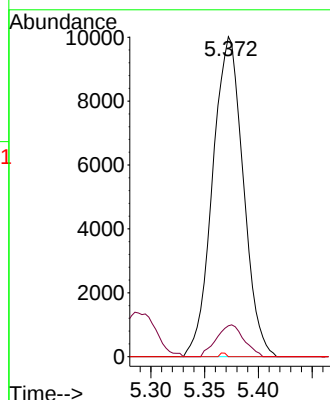
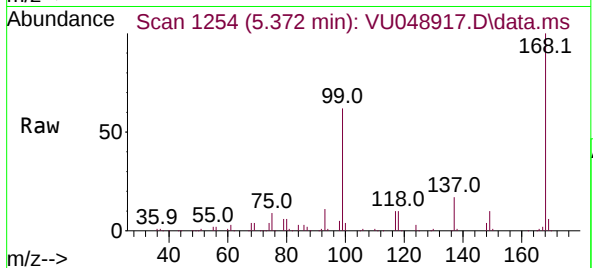
Tgt Ion: 75 Resp: 19802

Ion Ratio Lower Upper

75 100

110 8.9 17.4 52.3#

77 0.2 24.8 37.2#



#37

Ethyl Acetate

Concen: 24.004 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VU048917.D

Acq: 07 Jun 2022 18:11

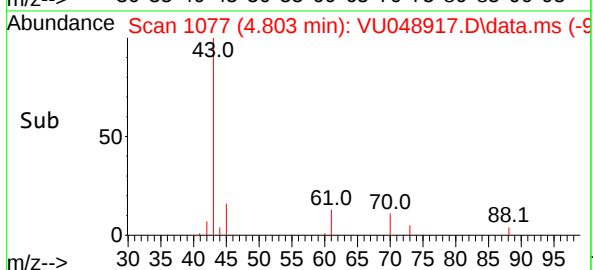
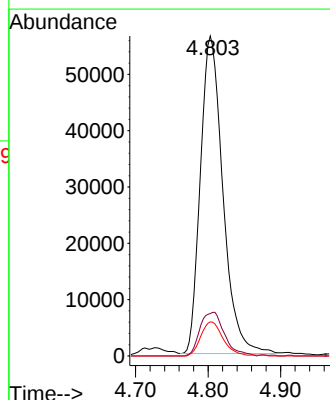
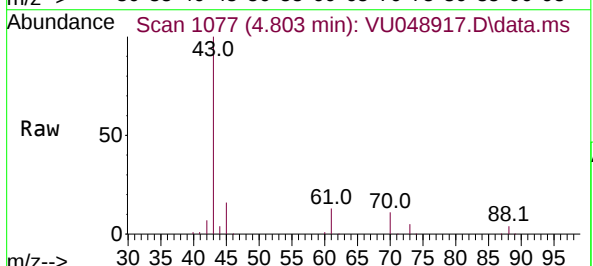
Tgt Ion: 43 Resp: 121814

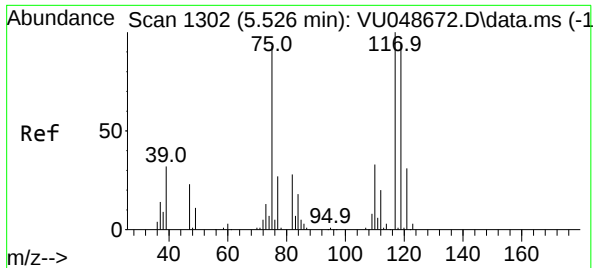
Ion Ratio Lower Upper

43 100

61 15.0 11.7 17.5

70 10.6 8.4 12.6

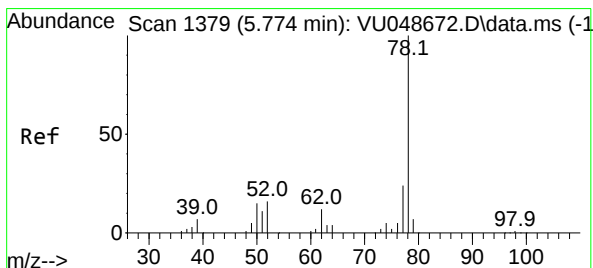
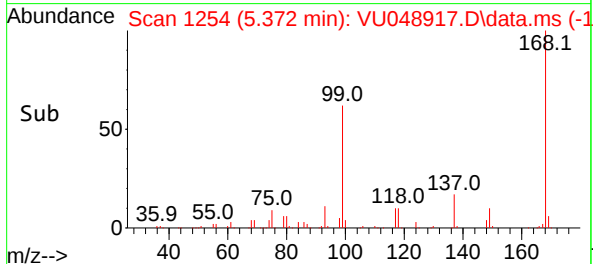
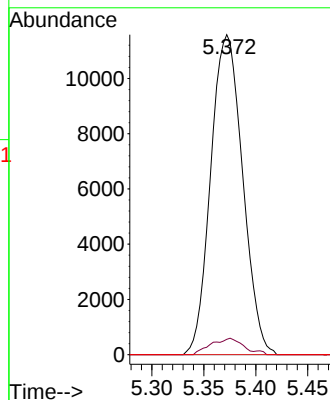
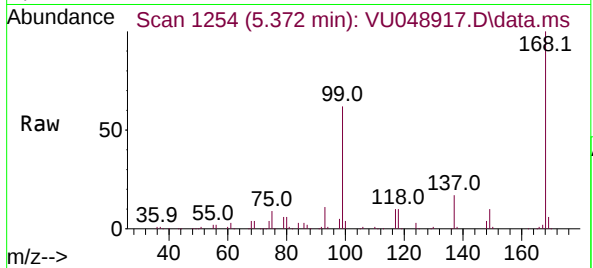




#38
Carbon Tetrachloride
Concen: 5.375 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

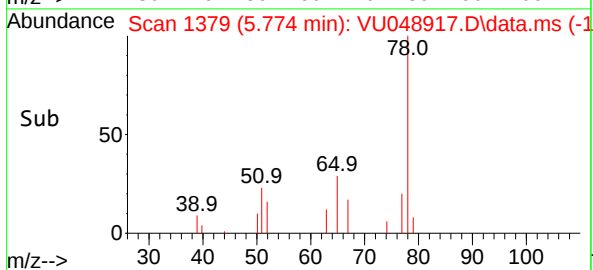
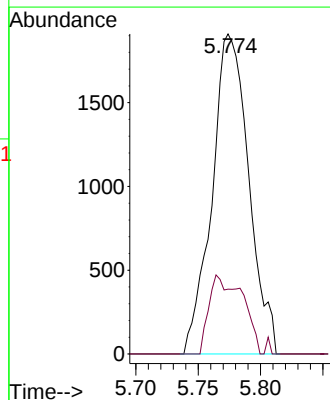
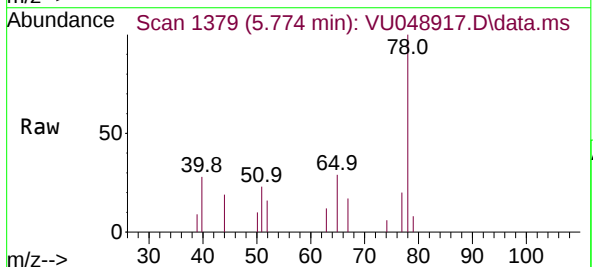
Instrument :
MSVOA_U
ClientSampleId :
43BR-20220601

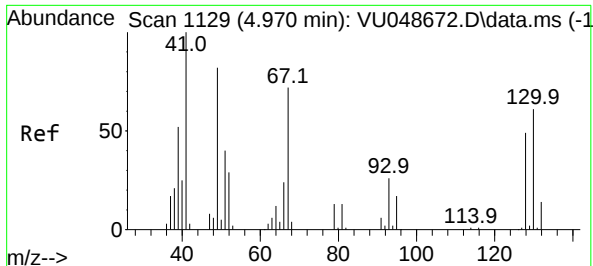
Tgt Ion:117 Resp: 24754
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.2#
121 0.0 24.6 36.8#



#40
Benzene
Concen: 0.331 ug/l
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

Tgt Ion: 78 Resp: 3921
Ion Ratio Lower Upper
78 100
77 20.3 19.0 28.6

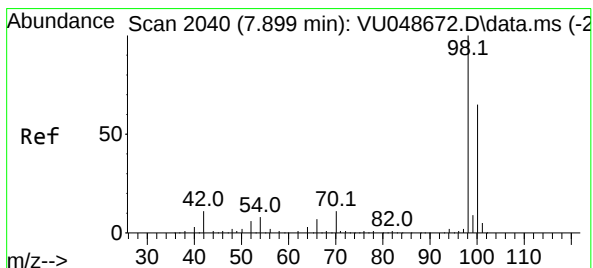
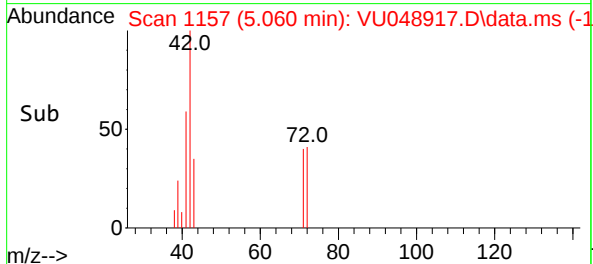
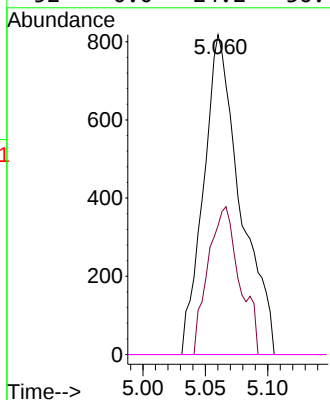
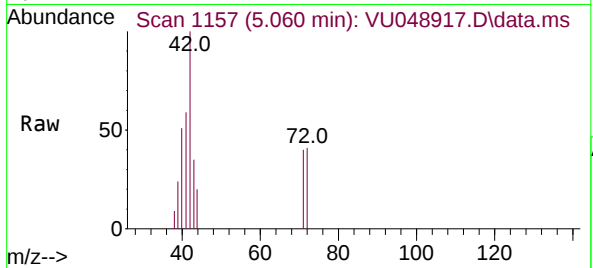




#41
Methacrylonitrile
Concen: 0.655 ug/l
RT: 5.060 min Scan# 1129
Delta R.T. 0.090 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

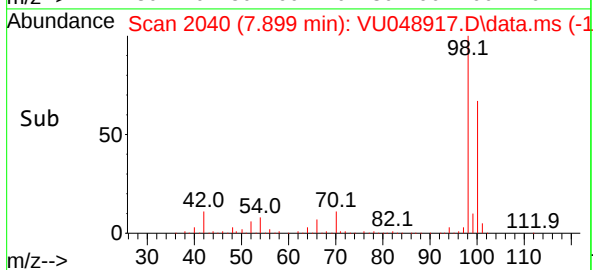
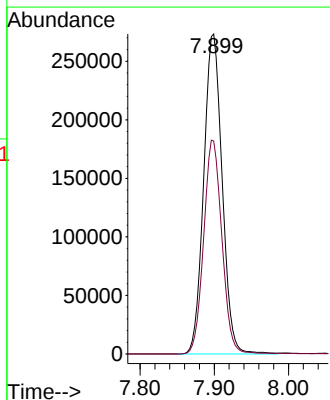
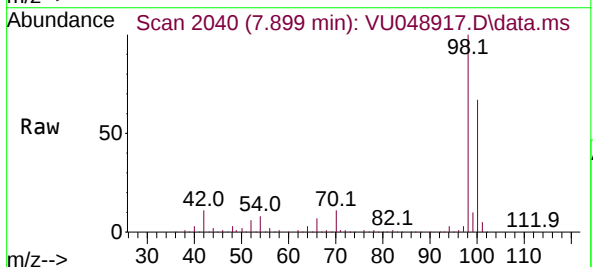
Instrument :
MSVOA_U
ClientSampleId :
43BR-20220601

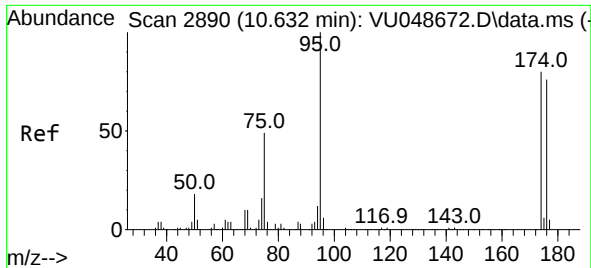
Tgt Ion: 41	Resp: 1679
Ion Ratio	Lower Upper
41 100	
39 39.6	42.6 64.0#
67 0.0	61.0 91.4#
52 0.0	24.2 36.4#



#50
Toluene-d8
Concen: 47.821 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

Tgt Ion: 98	Resp: 471496
Ion Ratio	Lower Upper
98 100	
100 65.9	52.2 78.4

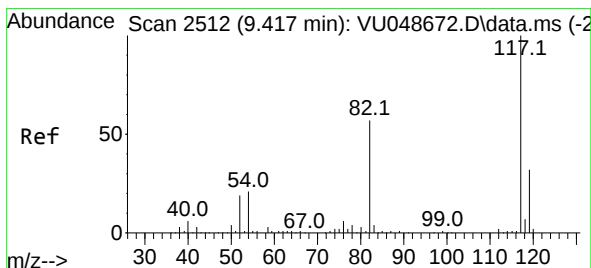
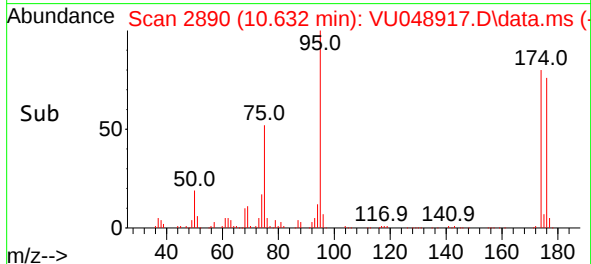
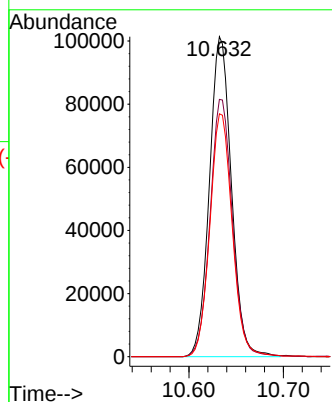
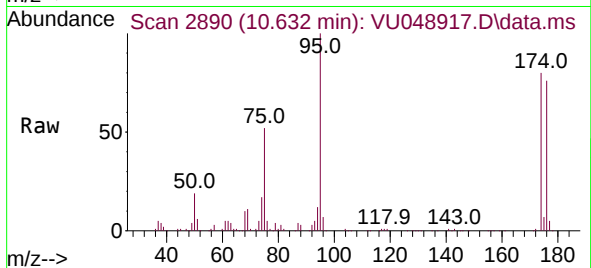




#62
4-Bromofluorobenzene
Concen: 43.956 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

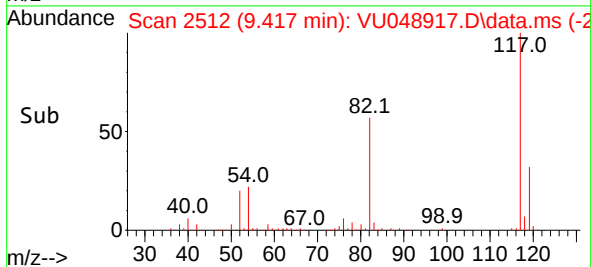
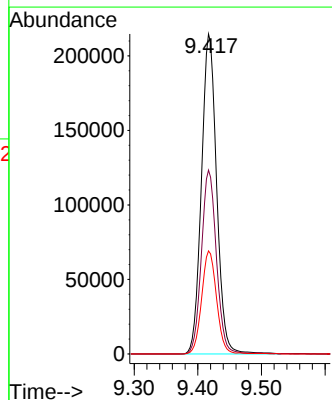
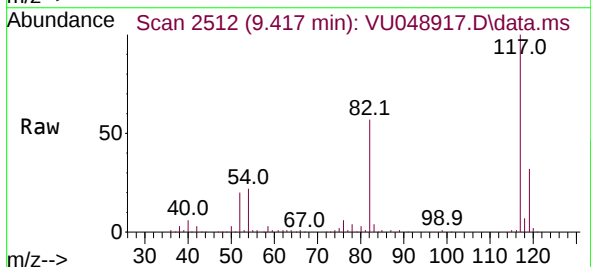
Instrument :
MSVOA_U
ClientSampleId :
43BR-20220601

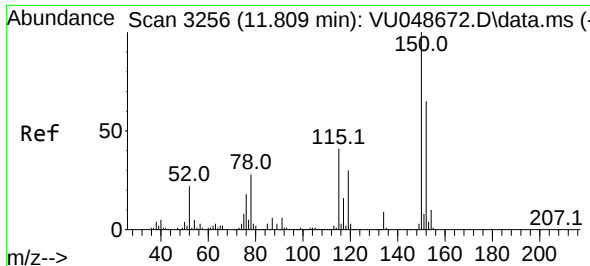
Tgt Ion: 95 Resp: 163905
Ion Ratio Lower Upper
95 100
174 81.8 0.0 159.4
176 77.1 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

Tgt Ion: 117 Resp: 356263
Ion Ratio Lower Upper
117 100
82 57.5 45.3 67.9
119 32.2 25.4 38.2

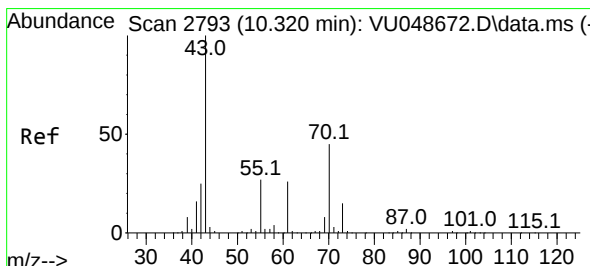
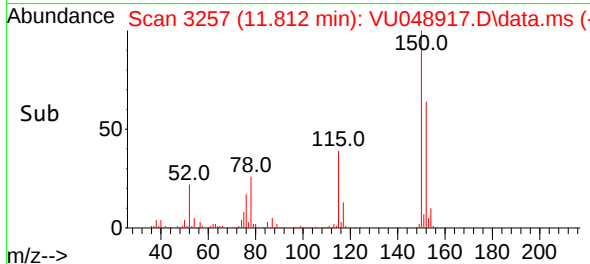
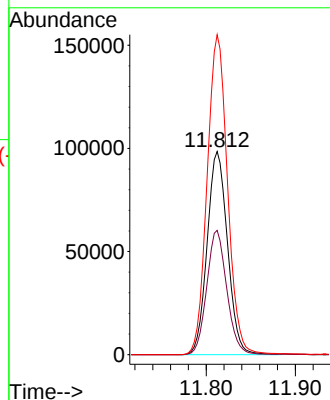
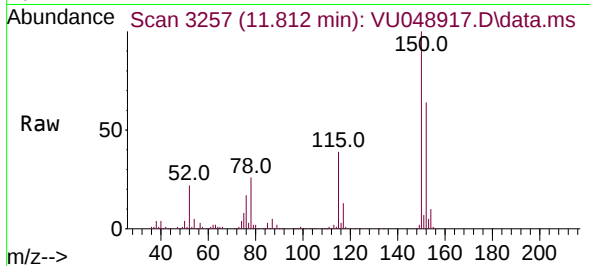




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

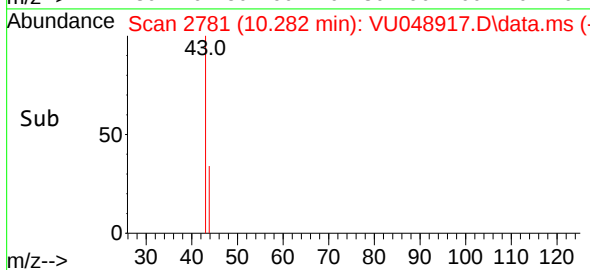
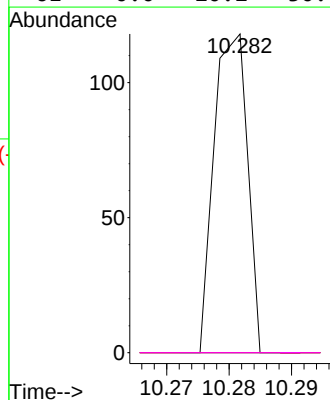
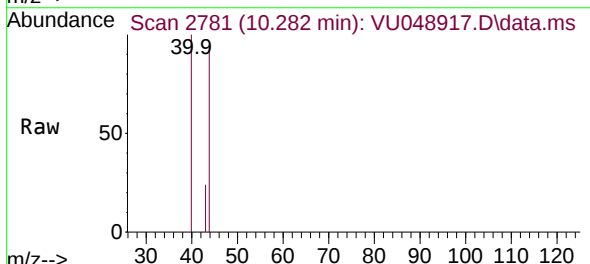
Instrument :
MSVOA_U
ClientSampleId :
43BR-20220601

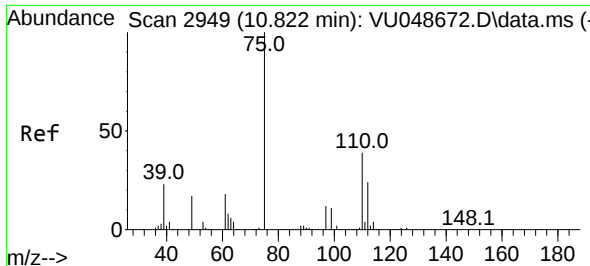
Tgt Ion:152 Resp: 156429
Ion Ratio Lower Upper
152 100
115 60.2 41.8 125.4
150 157.8 0.0 341.0



#74
N-ethyl acetate
Concen: 2.475 ug/l
RT: 10.282 min Scan# 2781
Delta R.T. -0.038 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

Tgt Ion: 43 Resp: 44
Ion Ratio Lower Upper
43 100
70 0.0 35.8 53.6#
55 0.0 21.1 31.7#
61 0.0 20.2 30.4#

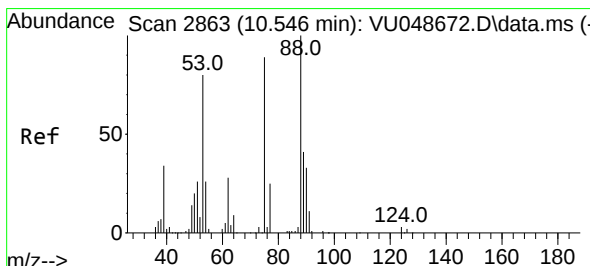
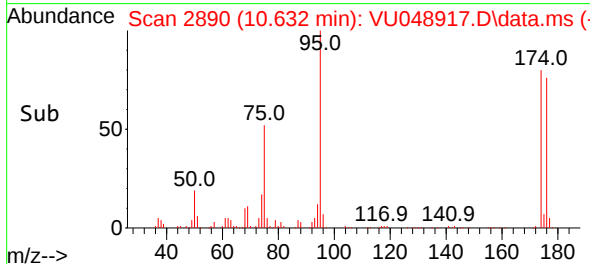
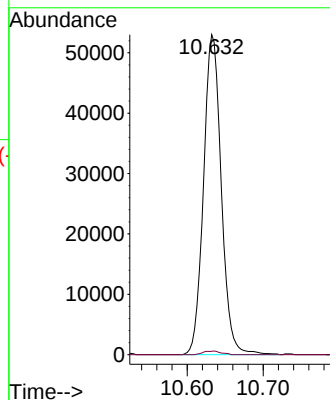
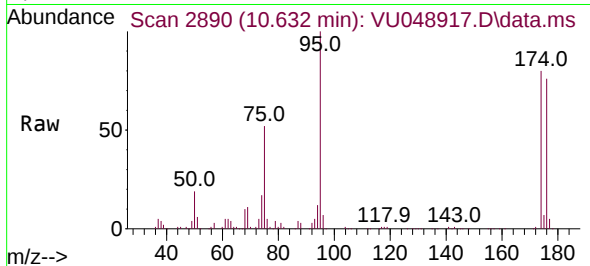




#76
1,2,3-Trichloropropane
Concen: 17.035 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

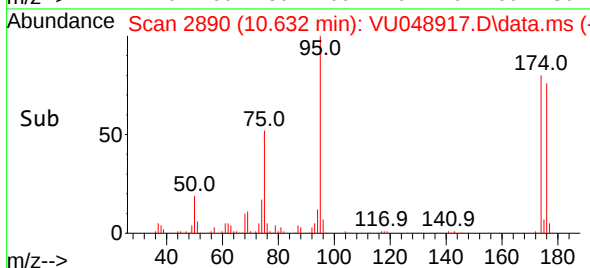
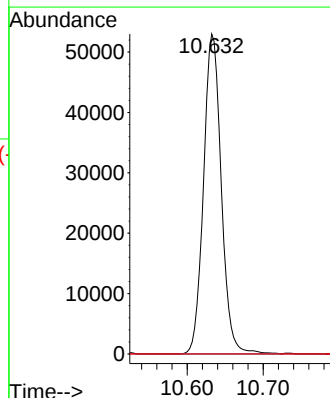
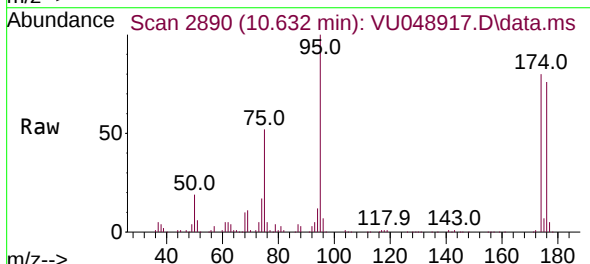
Instrument :
MSVOA_U
ClientSampleId :
43BR-20220601

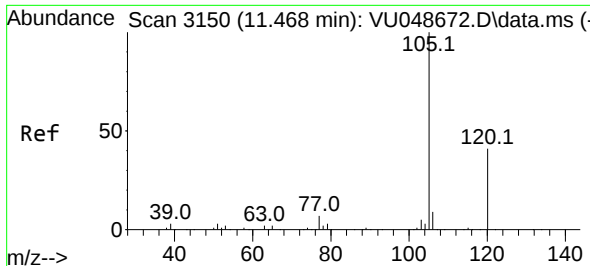
Tgt Ion: 75 Resp: 85920
Ion Ratio Lower Upper
75 100
77 1.1 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.853 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

Tgt Ion: 75 Resp: 85920
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

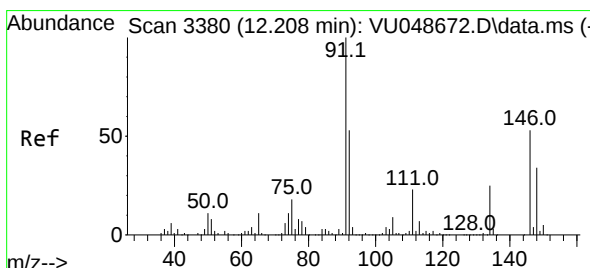
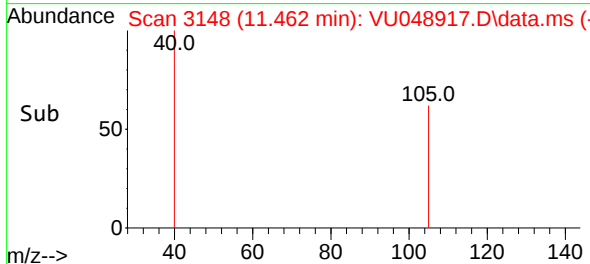
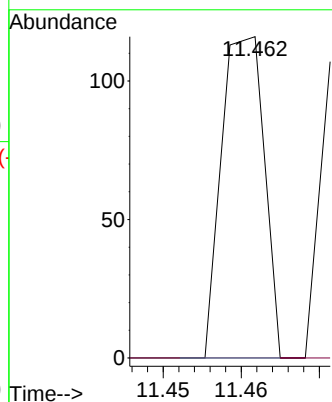
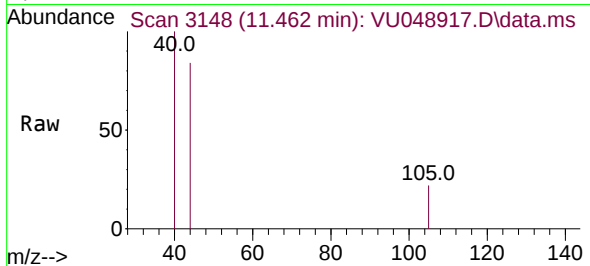




#84
1,2,4-Trimethylbenzene
Concen: 1.191 ug/l
RT: 11.462 min Scan# 3150
Delta R.T. -0.006 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

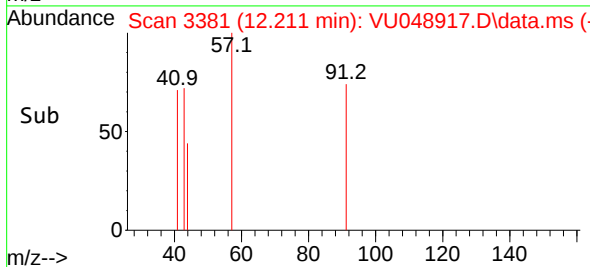
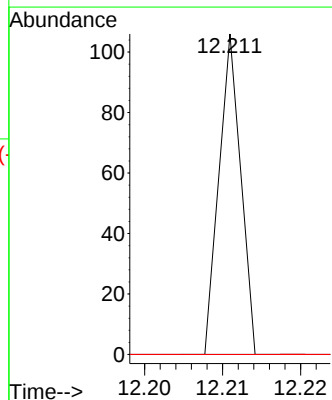
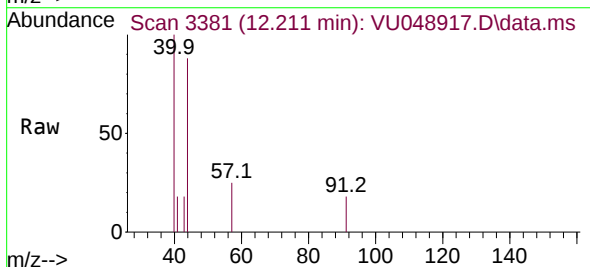
Instrument :
MSVOA_U
ClientSampleId :
43BR-20220601

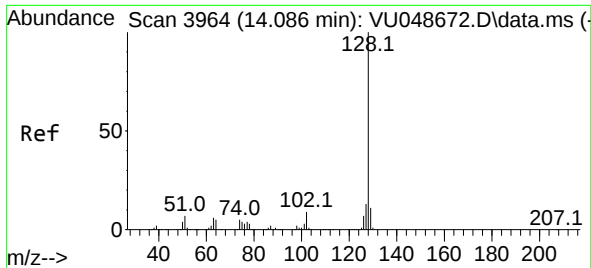
Tgt Ion:105 Resp: 44
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#



#89
n-Butylbenzene
Concen: 2.187 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

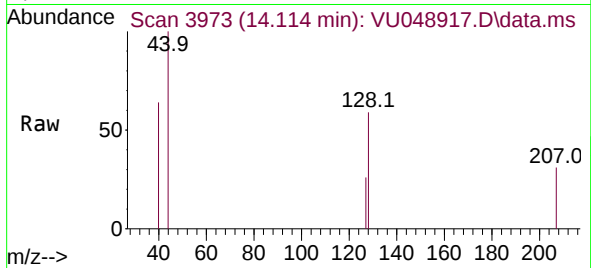
Tgt Ion: 91 Resp: 20
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#





#95
Naphthalene
Concen: 2.611 ug/l
RT: 14.114 min Scan# 3964
Delta R.T. 0.028 min
Lab File: VU048917.D
Acq: 07 Jun 2022 18:11

Instrument :
MSVOA_U
ClientSampleId :
43BR-20220601



Tgt Ion:128 Resp: 1019
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 0.0 8.7 13.1#

