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 Data File : VU048891.D
 Acq On : 06 Jun 2022 18:40
 Operator : SY/MD
 Sample : N3165-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

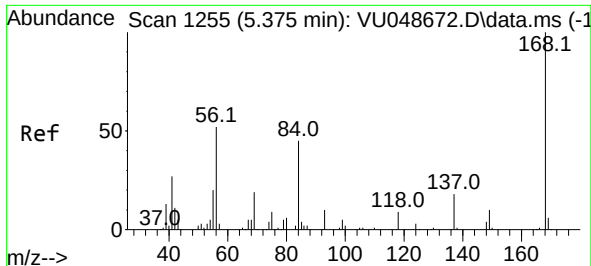
Instrument :
 MSVOA_U
 ClientSampleId :
 09BR-20220601

Quant Time: Jun 07 05:20:07 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	259241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	427202	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	386667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	168261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	193882	49.799	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.600%		
35) Dibromofluoromethane	5.289	113	143810	47.186	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.380%		
50) Toluene-d8	7.896	98	515031	47.142	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.280%		
62) 4-Bromofluorobenzene	10.632	95	184932	44.758	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.520%		
Target Compounds						Qvalue
3) Chloromethane	1.517	50	802	0.210	ug/l #	43
4) Vinyl Chloride	1.601	62	2080	0.588	ug/l #	74
5) Bromomethane	1.835	94	175	Below Cal	#	56
6) Chloroethane	1.961	64	571	Below Cal	#	43
10) Methyl Iodide	2.720	142	19	3.009	ug/l #	37
11) Tert butyl alcohol	3.186	59	6599	6.686	ug/l #	29
13) Acrolein	2.485	56	50	Below Cal	#	14
16) Acetone	2.626	43	5050	2.545	ug/l	96
23) Vinyl Acetate	3.970	43	1731	0.212	ug/l #	72
24) 1,1-Dichloroethane	3.867	63	10019	1.692	ug/l	96
25) 2-Butanone	4.800	43	399366	140.110	ug/l #	49
27) cis-1,2-Dichloroethene	4.668	96	4146	1.187	ug/l	96
29) Tetrahydrofuran	5.067	42	3250	1.810	ug/l #	44
31) Cyclohexane	5.369	56	5001	1.019	ug/l #	1
32) 1,1,1-Trichloroethane	5.308	97	1859	0.346	ug/l #	46
36) 1,1-Dichloropropene	5.372	75	22190	4.989	ug/l #	50
37) Ethyl Acetate	4.800	43	399366	71.020	ug/l	100
38) Carbon Tetrachloride	5.372	117	27119	5.314	ug/l #	18
41) Methacrylonitrile	5.060	41	1759	0.619	ug/l #	37
44) Trichloroethene	6.543	130	4869	1.439	ug/l	95
74) N-amyl acetate	10.250	43	48	2.475	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	96320	17.754	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	96320	64.464	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	20	1.189	ug/l #	31
89) n-Butylbenzene	12.214	91	184	2.203	ug/l #	34
95) Naphthalene	14.102	128	1363	2.630	ug/l #	73

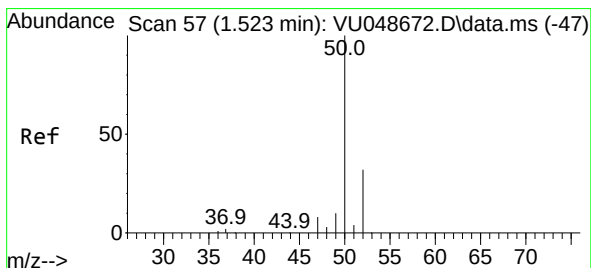
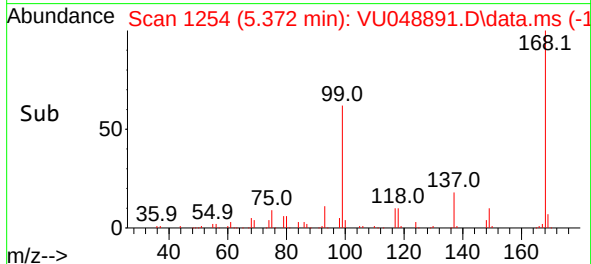
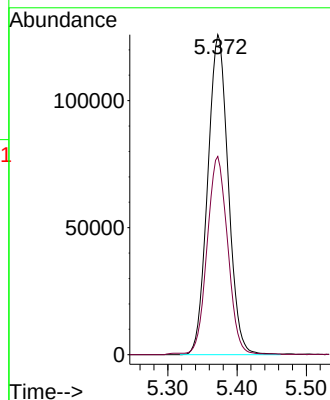
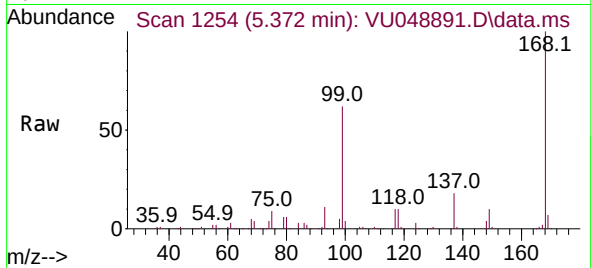
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

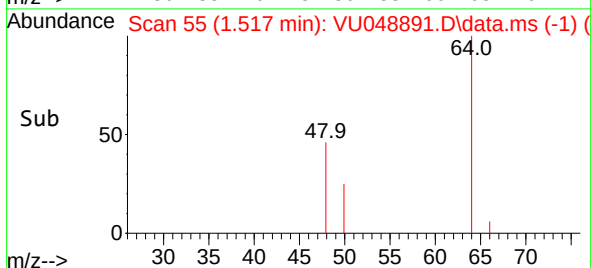
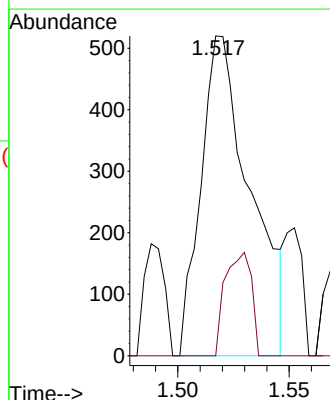
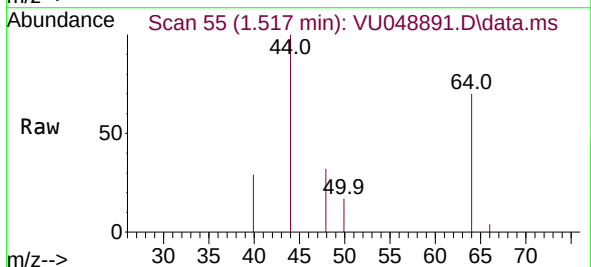
Instrument :
MSVOA_U
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09BR-20220601

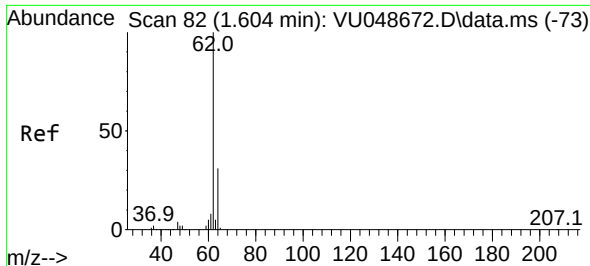
Tgt Ion:168 Resp: 259241
Ion Ratio Lower Upper
168 100
99 61.8 49.3 73.9



#3
Chloromethane
Concen: 0.210 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.006 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

Tgt Ion: 50 Resp: 802
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

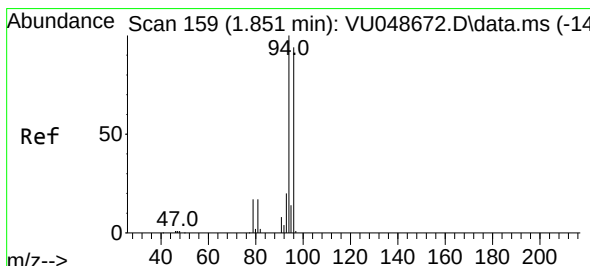
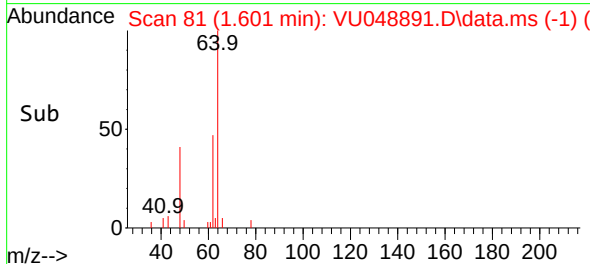
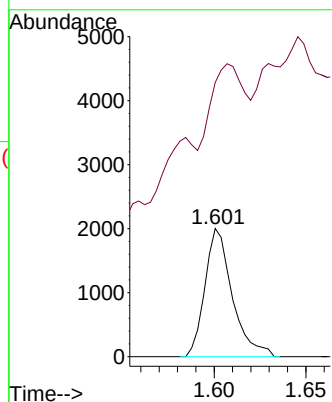
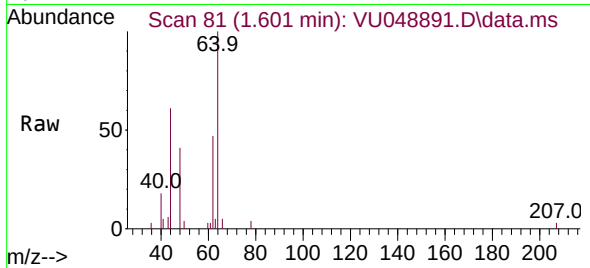




#4
 Vinyl Chloride
 Concen: 0.588 ug/l
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU048891.D
 Acq: 06 Jun 2022 18:40

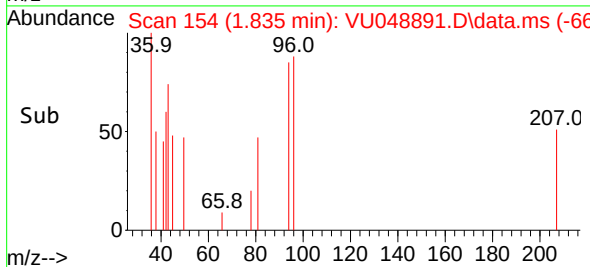
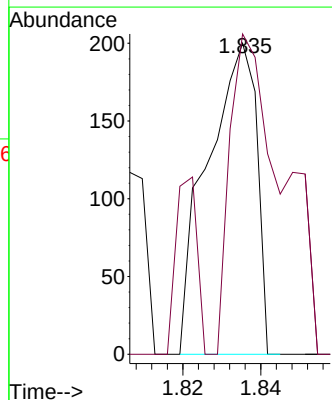
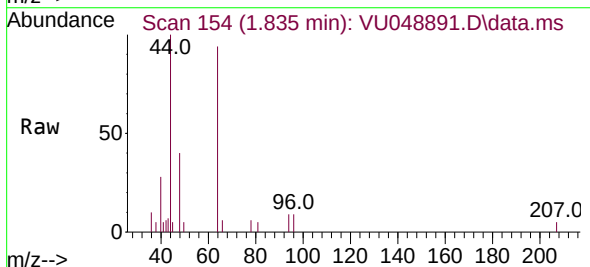
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 ClientSampleId :
 09BR-20220601

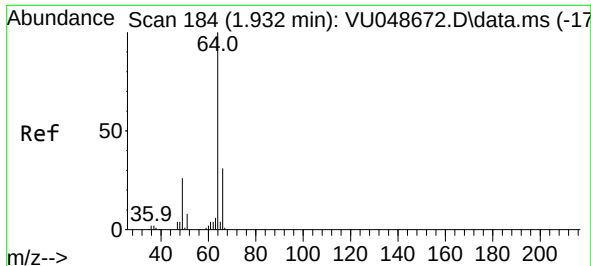
Tgt Ion: 62 Resp: 2080
 Ion Ratio Lower Upper
 62 100
 64 45.8 25.2 37.8#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.835 min Scan# 154
 Delta R.T. -0.016 min
 Lab File: VU048891.D
 Acq: 06 Jun 2022 18:40

Tgt Ion: 94 Resp: 175
 Ion Ratio Lower Upper
 94 100
 96 51.5 75.1 112.7#

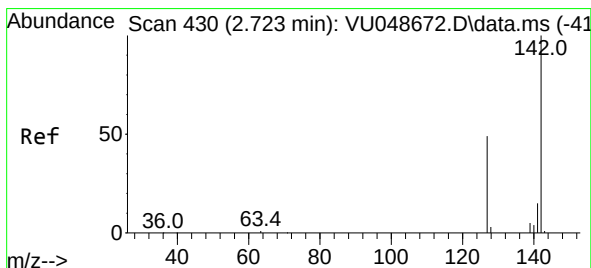
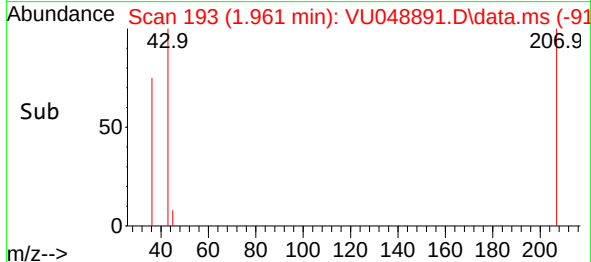
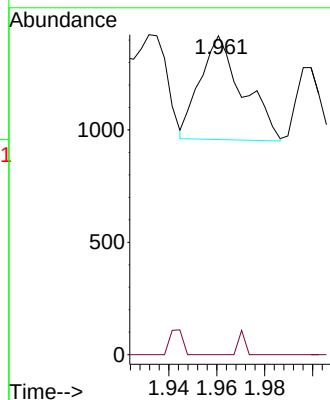
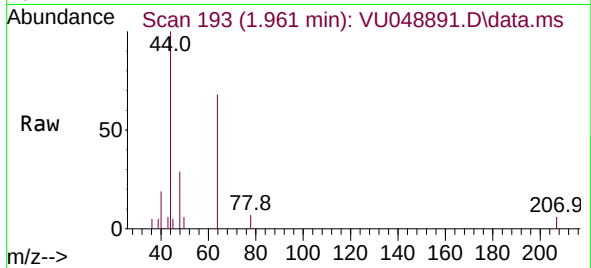




#6
Chloroethane
Concen: Below Cal
RT: 1.961 min Scan# 19
Delta R.T. 0.029 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

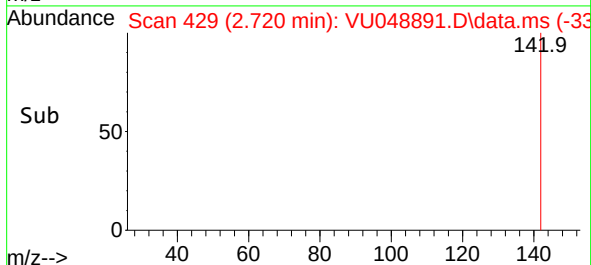
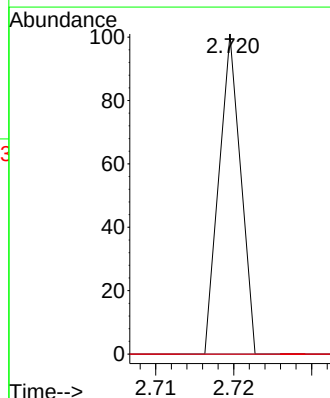
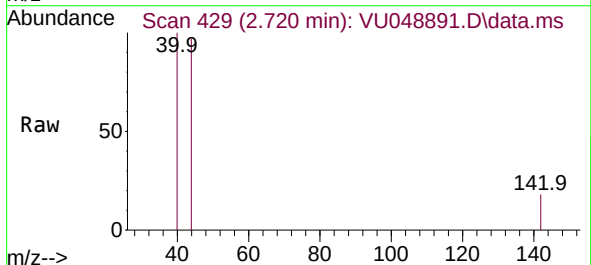
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

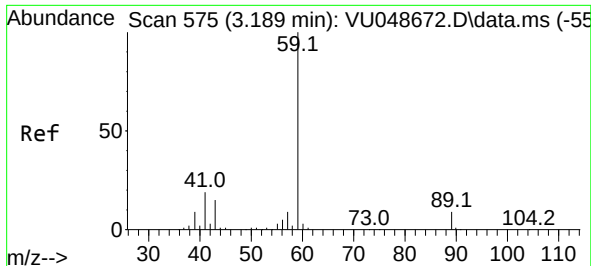
Tgt Ion: 64 Resp: 571
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#10
Methyl Iodide
Concen: 3.009 ug/l
RT: 2.720 min Scan# 429
Delta R.T. -0.003 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

Tgt Ion: 142 Resp: 19
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: 6.686 ug/l

RT: 3.186 min Scan# 51

Delta R.T. -0.003 min

Lab File: VU048891.D

Acq: 06 Jun 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

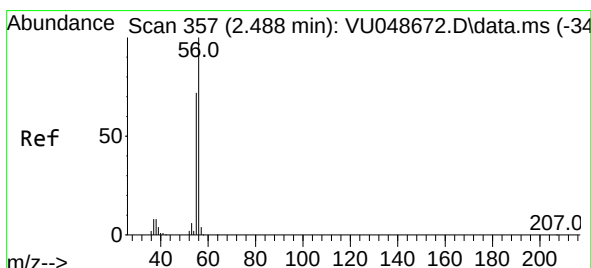
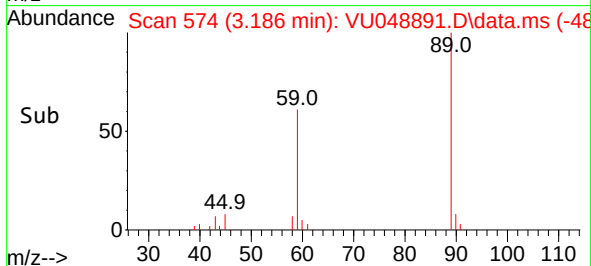
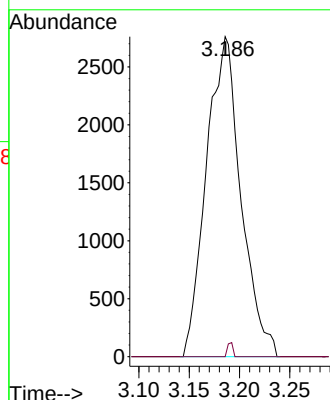
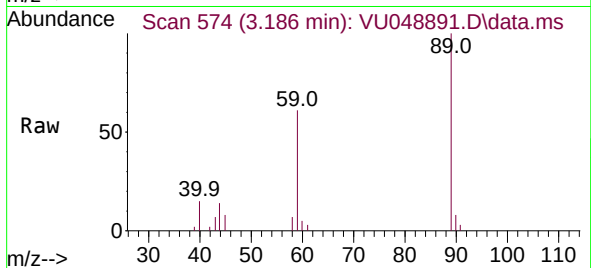
09BR-20220601

Tgt Ion: 59 Resp: 6599

Ion Ratio Lower Upper

59 100

57 0.7 39.7 59.5#



#13

Acrolein

Concen: Below Cal

RT: 2.485 min Scan# 356

Delta R.T. -0.003 min

Lab File: VU048891.D

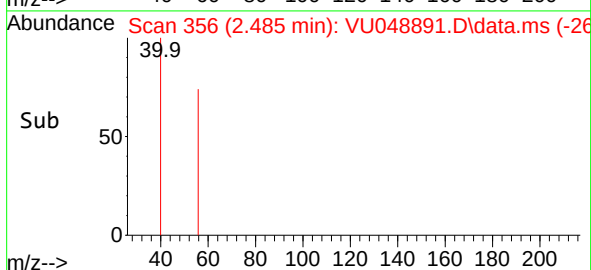
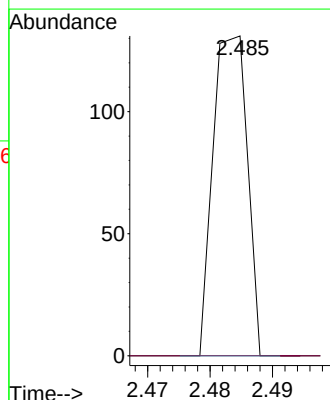
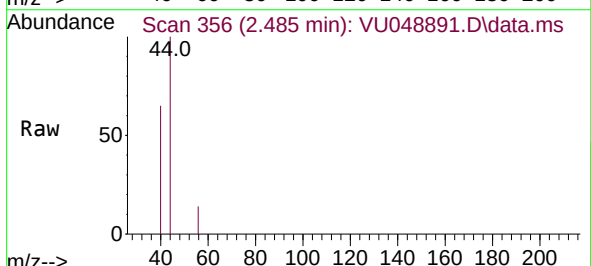
Acq: 06 Jun 2022 18:40

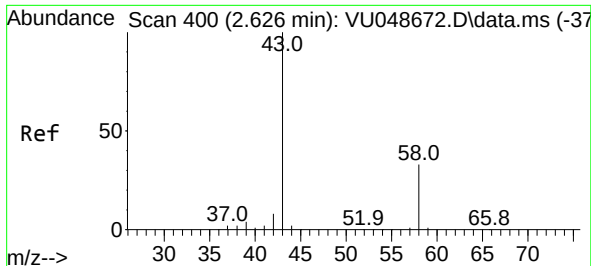
Tgt Ion: 56 Resp: 50

Ion Ratio Lower Upper

56 100

55 0.0 57.7 86.5#

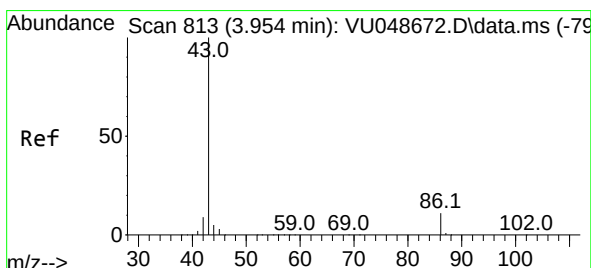
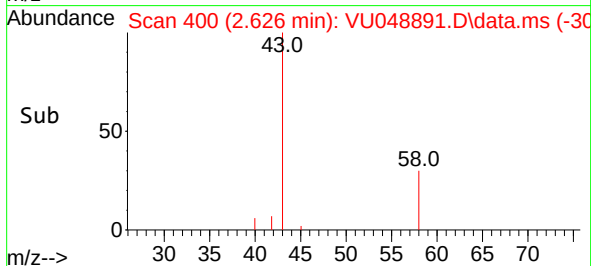
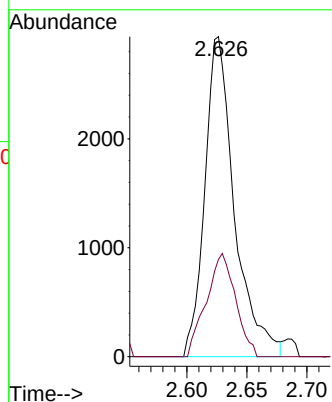
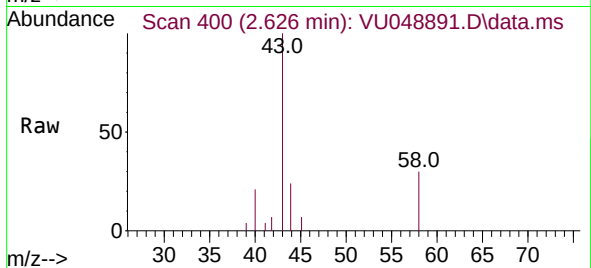




#16
Acetone
Concen: 2.545 ug/l
RT: 2.626 min Scan# 40
Delta R.T. 0.000 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

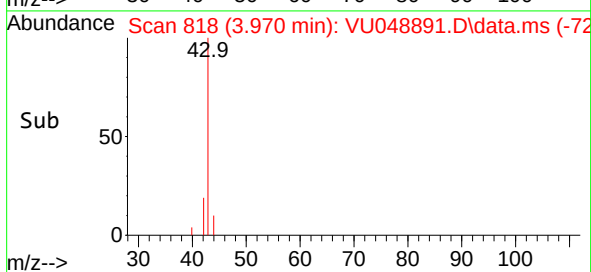
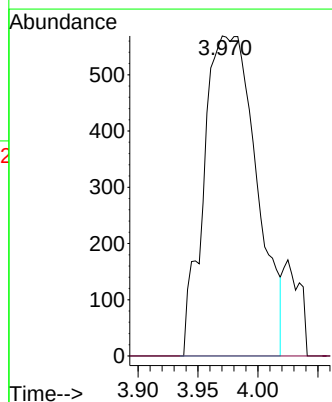
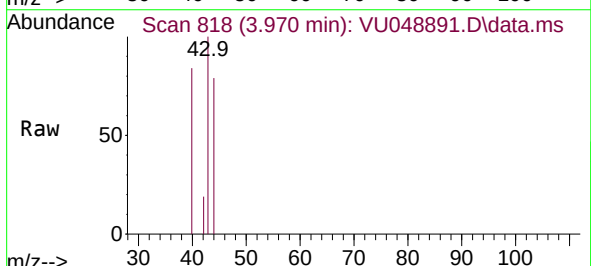
Instrument :
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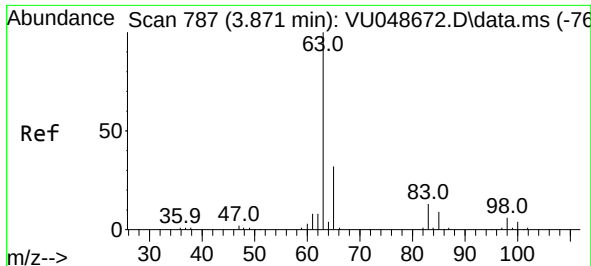
Tgt Ion: 43 Resp: 5050
Ion Ratio Lower Upper
43 100
58 30.4 26.3 39.5



#23
Vinyl Acetate
Concen: 0.212 ug/l
RT: 3.970 min Scan# 818
Delta R.T. 0.016 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

Tgt Ion: 43 Resp: 1731
Ion Ratio Lower Upper
43 100
86 0.0 8.4 12.6#





#24

1,1-Dichloroethane

Concen: 1.692 ug/l

RT: 3.867 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU048891.D

Acq: 06 Jun 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

09BR-20220601

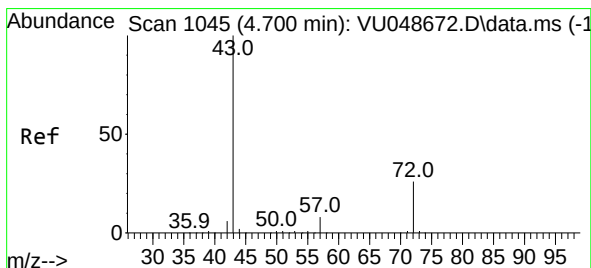
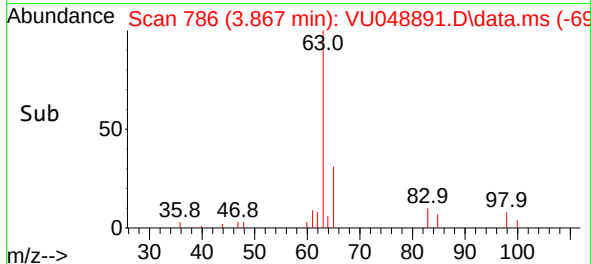
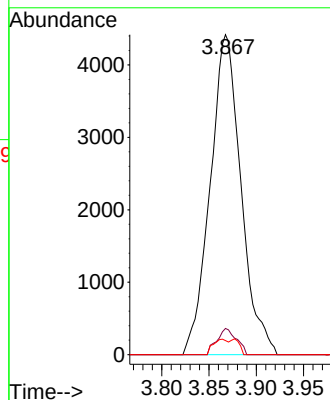
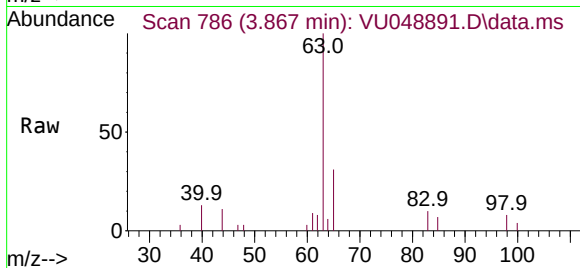
Tgt Ion: 63 Resp: 10019

Ion Ratio Lower Upper

63 100

98 8.2 3.1 9.3

100 4.4 2.0 5.8



#25

2-Butanone

Concen: 140.110 ug/l

RT: 4.800 min Scan# 1076

Delta R.T. 0.100 min

Lab File: VU048891.D

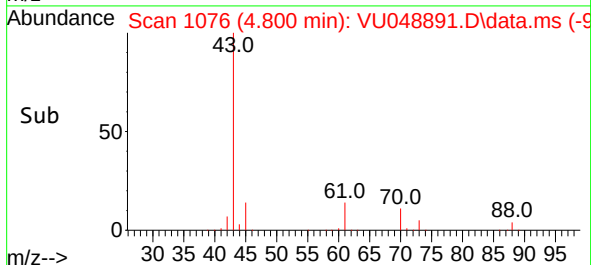
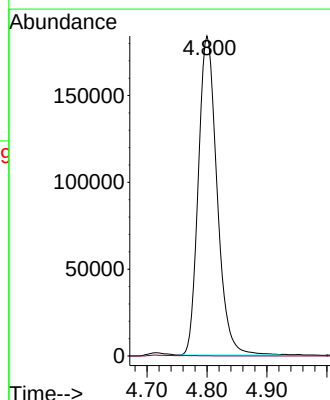
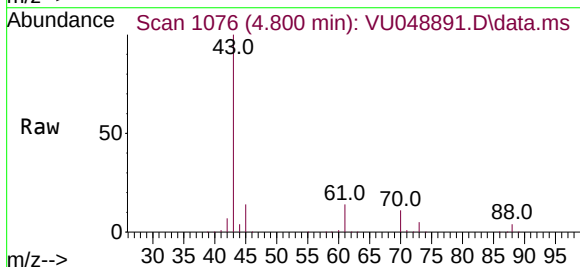
Acq: 06 Jun 2022 18:40

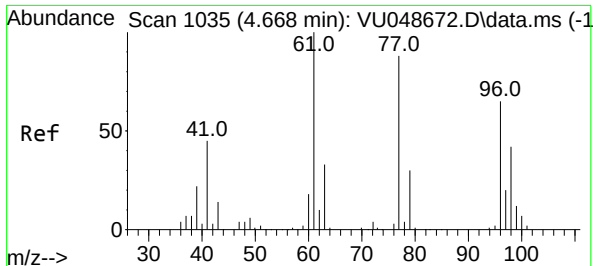
Tgt Ion: 43 Resp: 399366

Ion Ratio Lower Upper

43 100

72 0.1 21.1 31.7#





#27

cis-1,2-Dichloroethene

Concen: 1.187 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU048891.D

Acq: 06 Jun 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

09BR-20220601

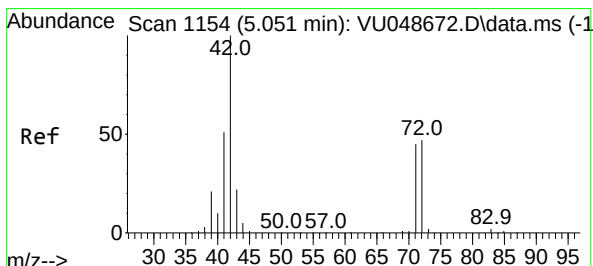
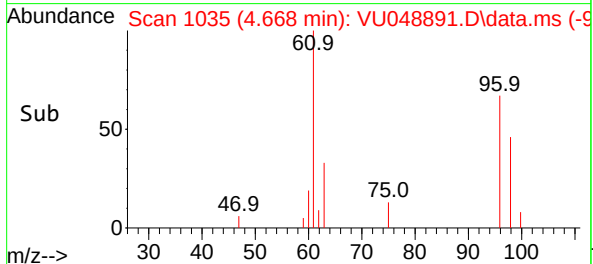
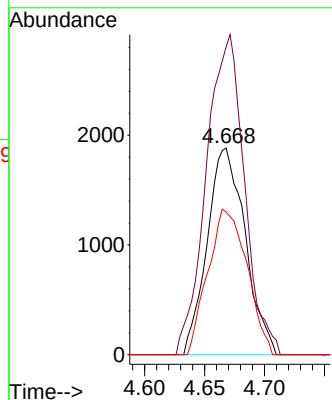
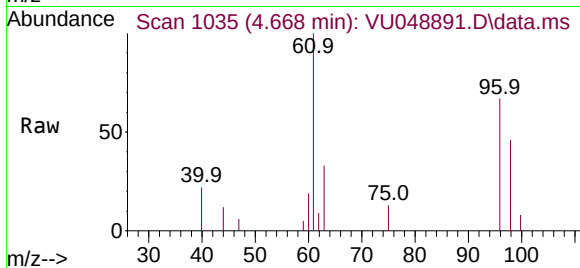
Tgt Ion: 96 Resp: 4146

Ion Ratio Lower Upper

96 100

61 155.3 0.0 306.2

98 72.4 0.0 130.4



#29

Tetrahydrofuran

Concen: 1.810 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.016 min

Lab File: VU048891.D

Acq: 06 Jun 2022 18:40

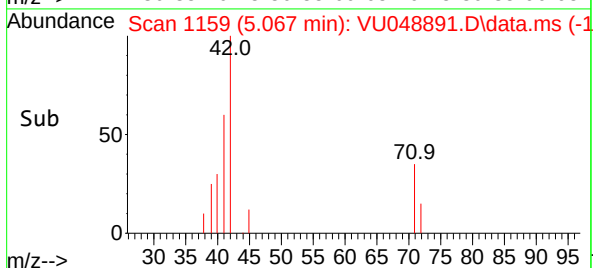
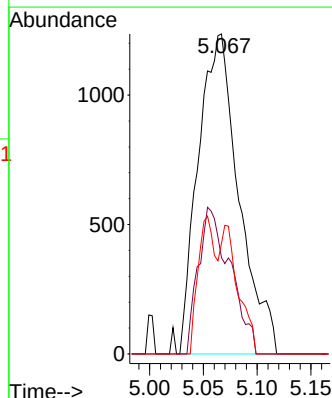
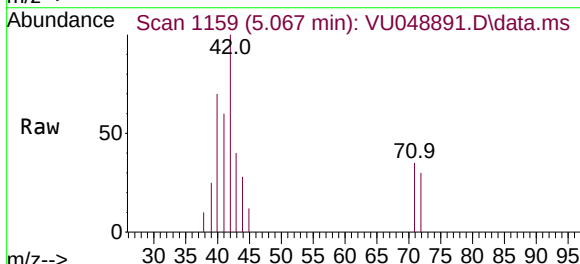
Tgt Ion: 42 Resp: 3250

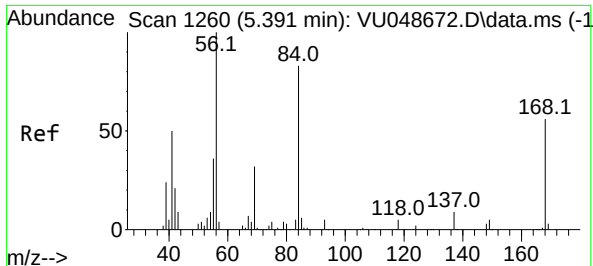
Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 17.4 35.0 52.4#

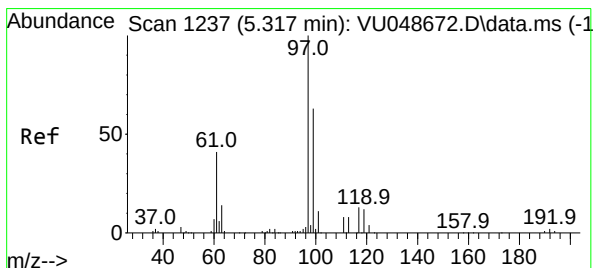
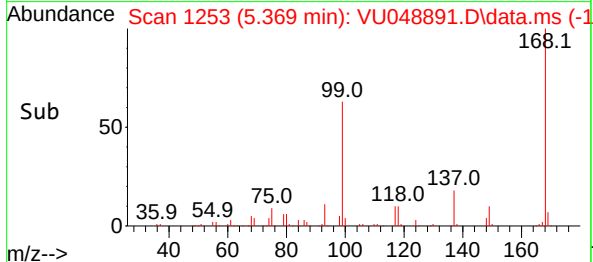
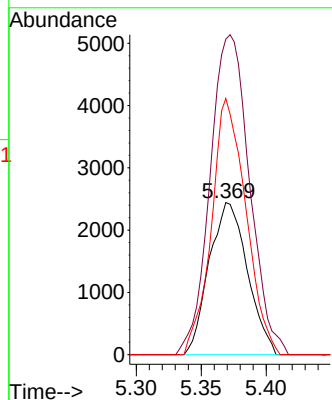
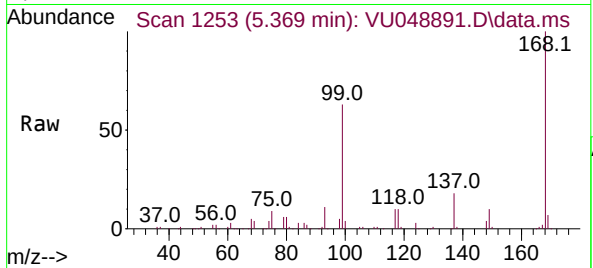




#31
Cyclohexane
Concen: 1.019 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.022 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

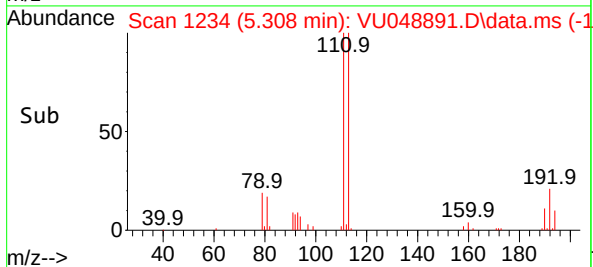
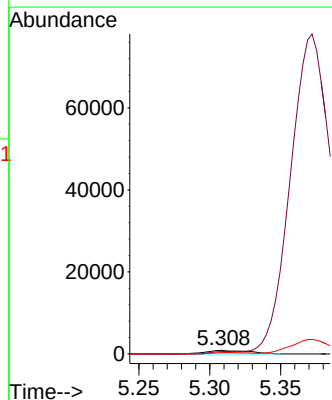
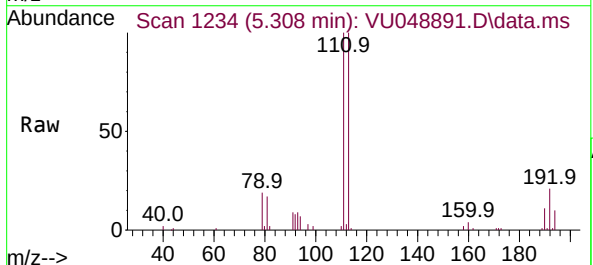
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

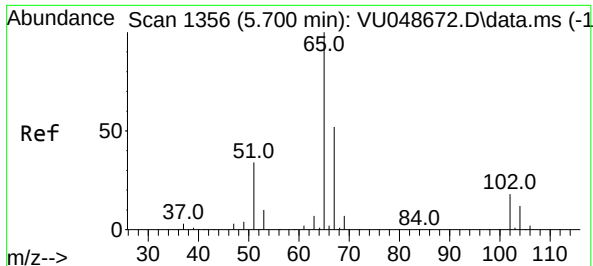
Tgt Ion: 56 Resp: 5001
Ion Ratio Lower Upper
56 100
69 203.2 25.6 38.4#
84 168.3 66.2 99.4#



#32
1,1,1-Trichloroethane
Concen: 0.346 ug/l
RT: 5.308 min Scan# 1234
Delta R.T. -0.010 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

Tgt Ion: 97 Resp: 1859
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 35.8 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 49.799 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048891.D

Acq: 06 Jun 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

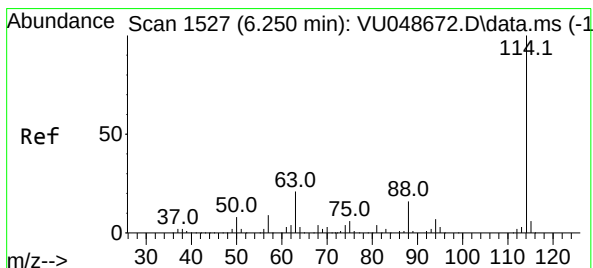
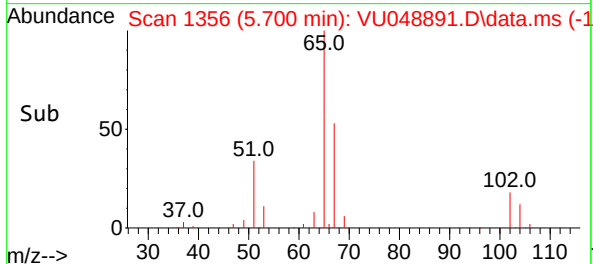
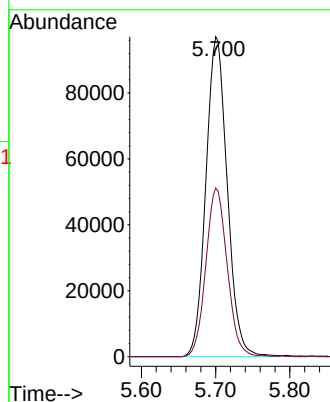
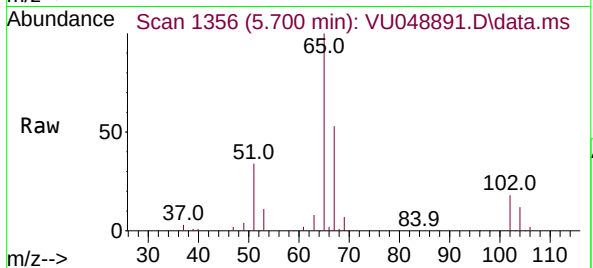
09BR-20220601

Tgt Ion: 65 Resp: 193882

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. -0.003 min

Lab File: VU048891.D

Acq: 06 Jun 2022 18:40

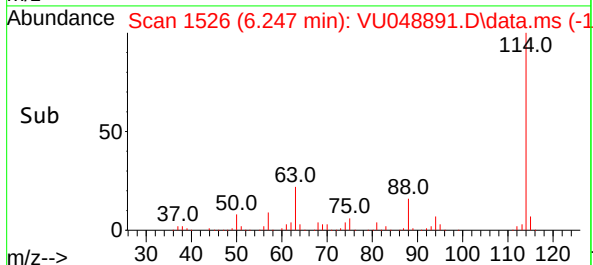
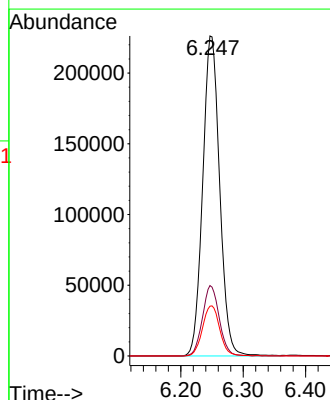
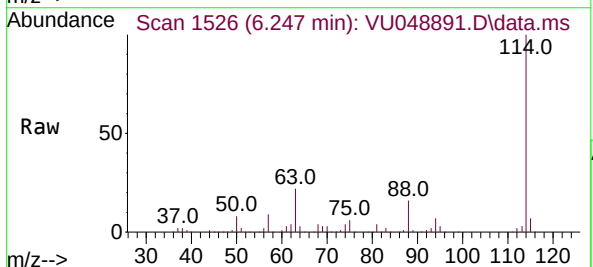
Tgt Ion: 114 Resp: 427202

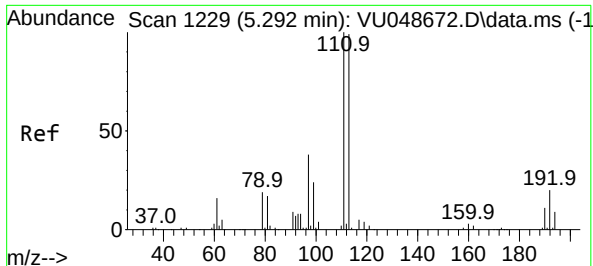
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.6

88 15.6 0.0 32.2

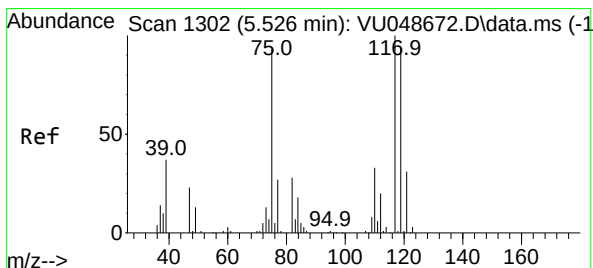
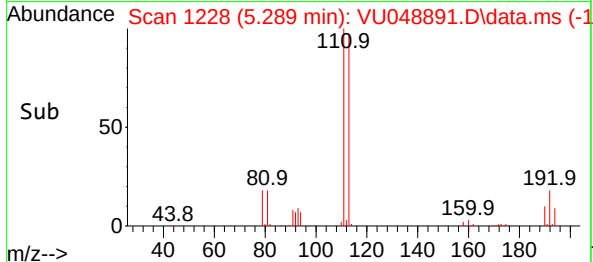
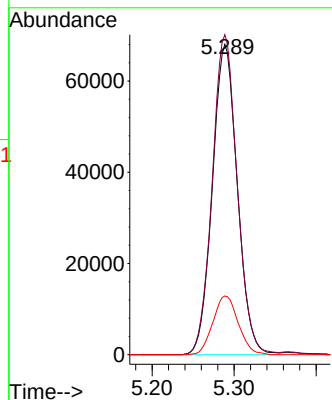
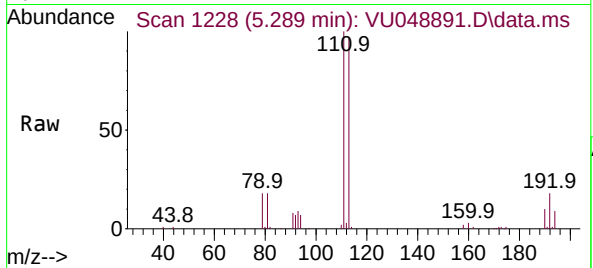




#35
Dibromofluoromethane
Concen: 47.186 ug/l
RT: 5.289 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

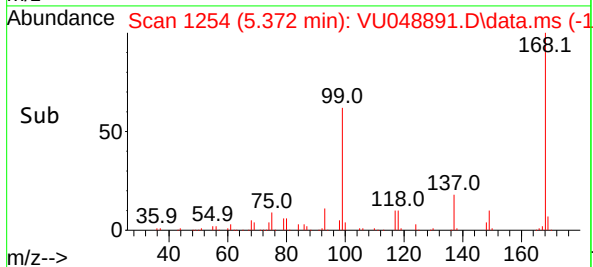
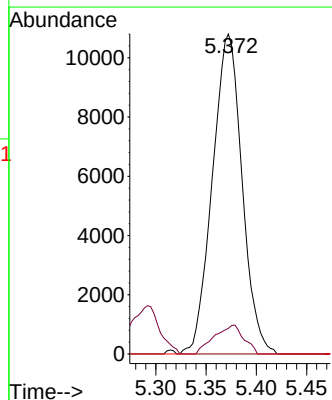
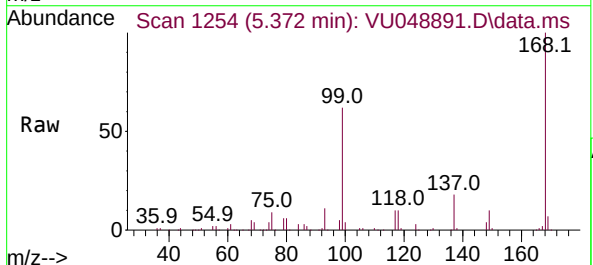
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

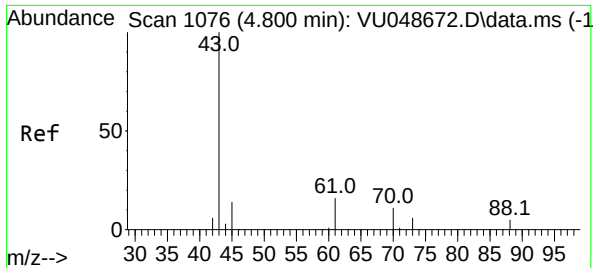
Tgt Ion:113 Resp: 143810
Ion Ratio Lower Upper
113 100
111 102.8 80.7 121.1
192 19.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.989 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

Tgt Ion: 75 Resp: 22190
Ion Ratio Lower Upper
75 100
110 8.9 17.4 52.3#
77 0.0 24.8 37.2#

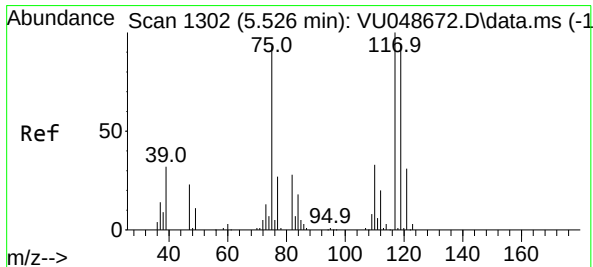
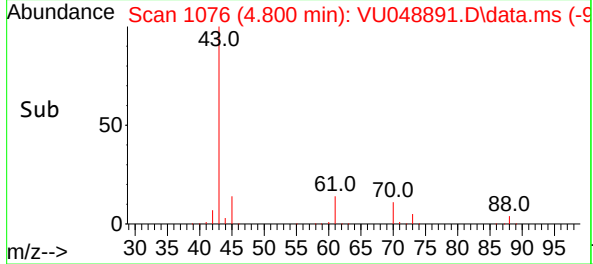
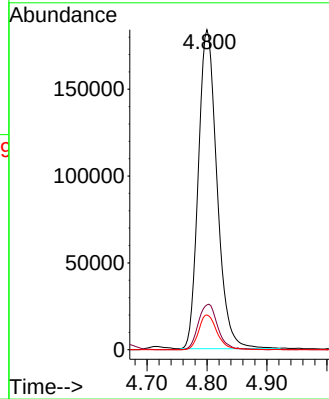
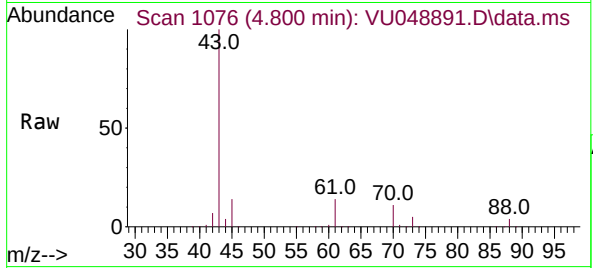




#37
Ethyl Acetate
Concen: 71.020 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

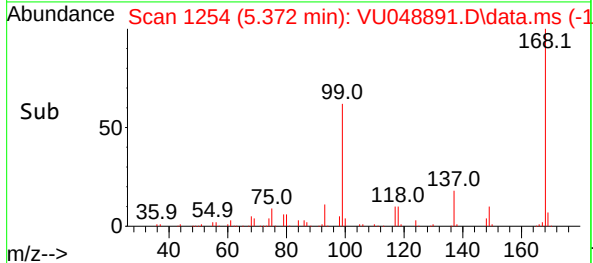
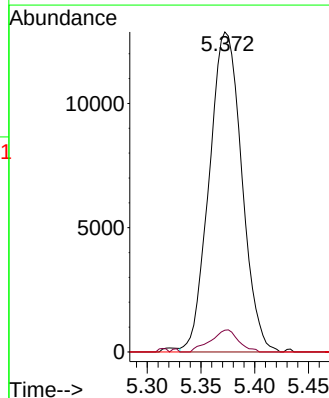
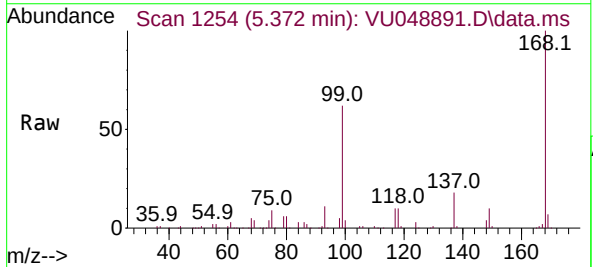
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

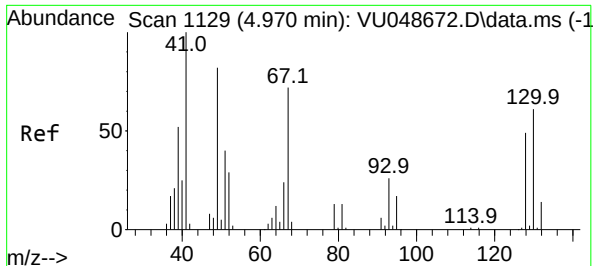
Tgt Ion: 43 Resp: 399366
Ion Ratio Lower Upper
43 100
61 14.7 11.7 17.5
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 5.314 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

Tgt Ion: 117 Resp: 27119
Ion Ratio Lower Upper
117 100
119 6.8 75.4 113.2#
121 0.0 24.6 36.8#

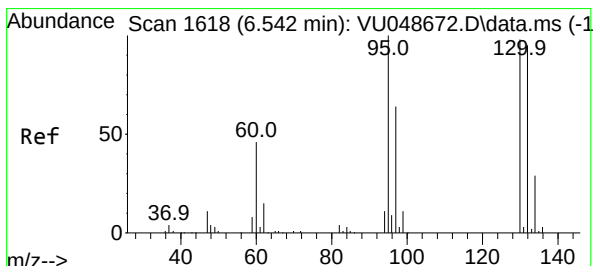
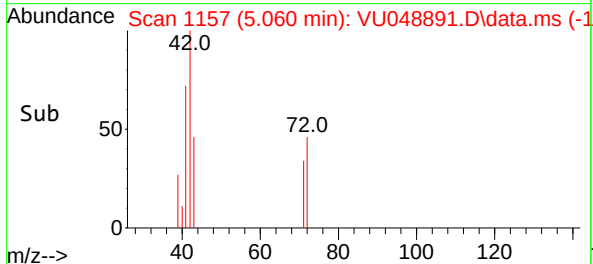
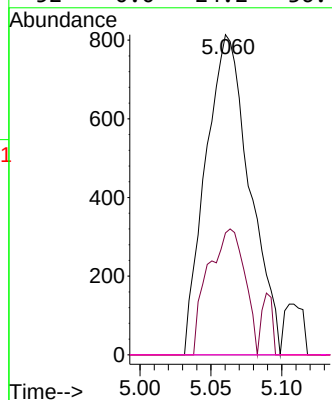
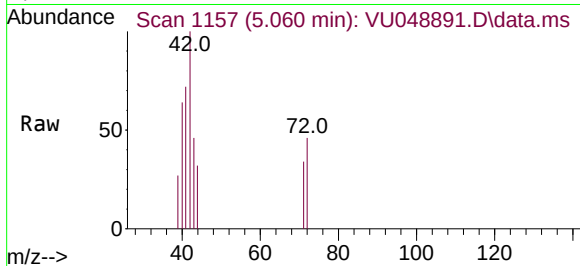




#41
Methacrylonitrile
Concen: 0.619 ug/l
RT: 5.060 min Scan# 1129
Delta R.T. 0.090 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

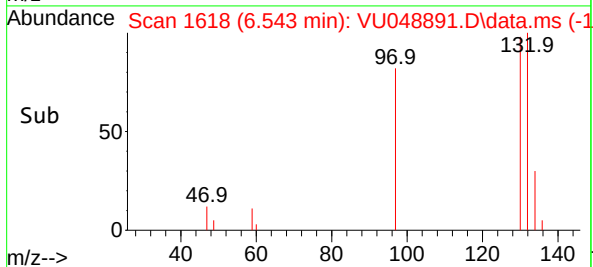
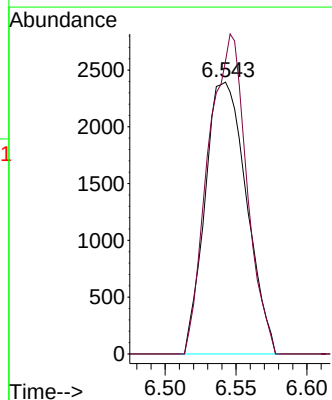
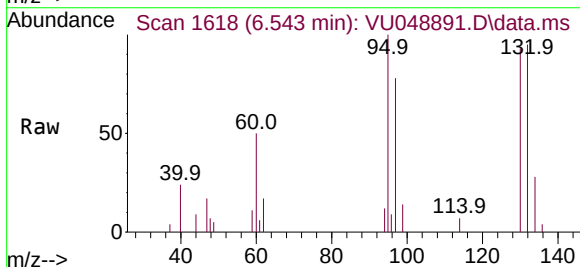
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

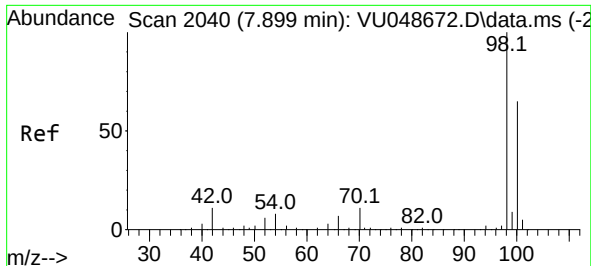
Tgt Ion: 41	Resp: 1759
Ion Ratio	Lower Upper
41	100
39	32.7 42.6 64.0#
67	0.0 61.0 91.4#
52	0.0 24.2 36.4#



#44
Trichloroethene
Concen: 1.439 ug/l
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

Tgt Ion: 130	Resp: 4869
Ion Ratio	Lower Upper
130	100
95	107.7 0.0 204.8

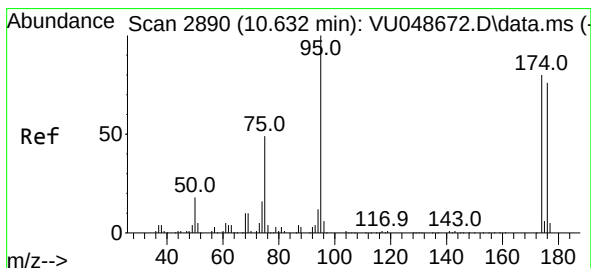
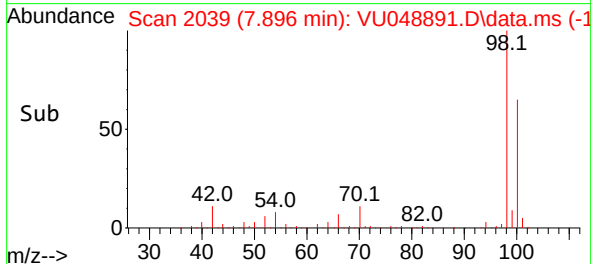
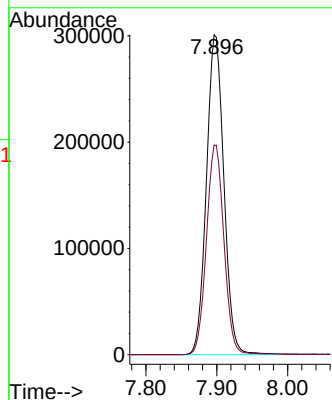
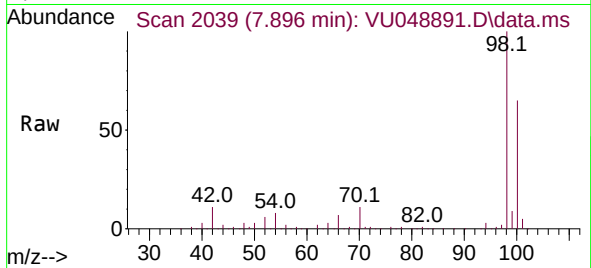




#50
Toluene-d8
Concen: 47.142 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

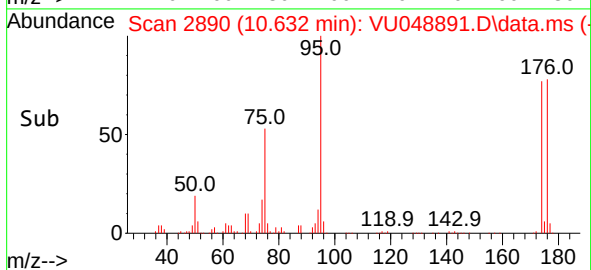
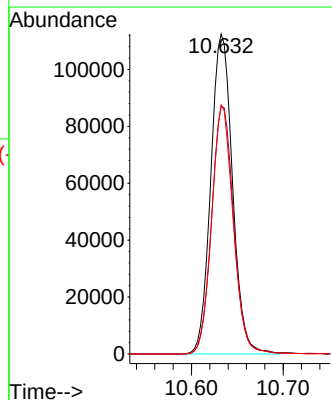
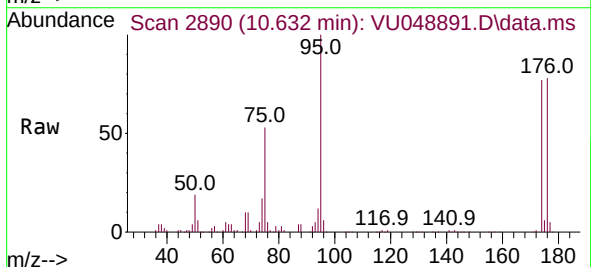
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

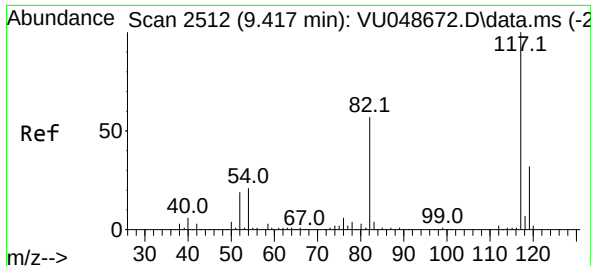
Tgt Ion: 98 Resp: 515031
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 44.758 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

Tgt Ion: 95 Resp: 184932
Ion Ratio Lower Upper
95 100
174 78.8 0.0 159.4
176 76.9 0.0 152.4

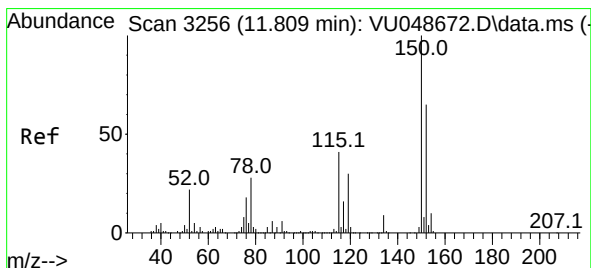
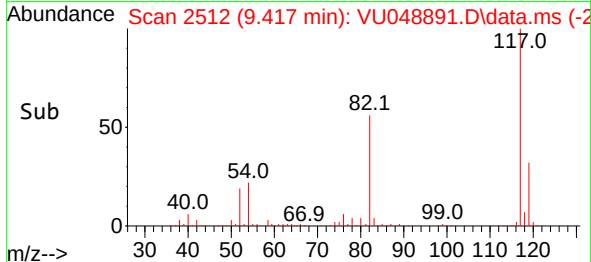
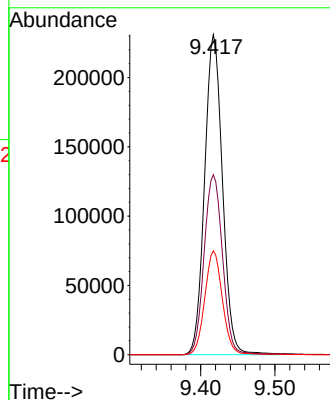
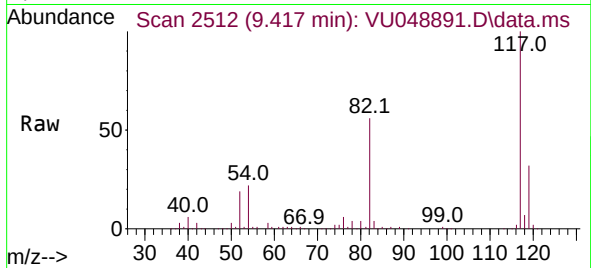




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. 0.000 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

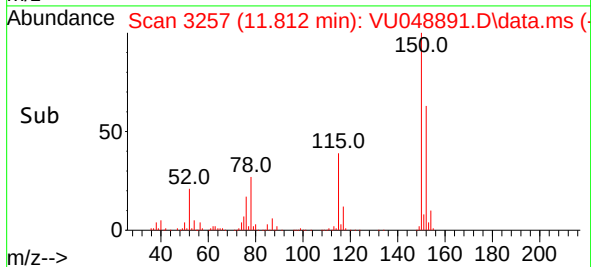
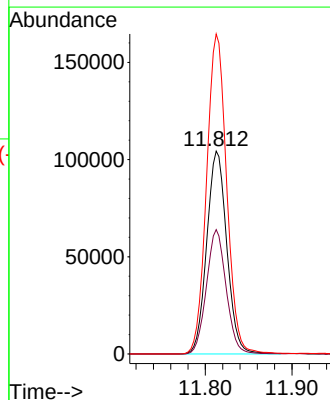
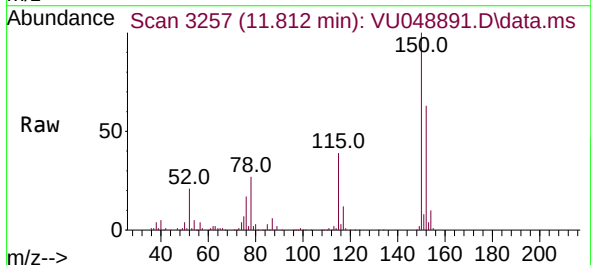
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

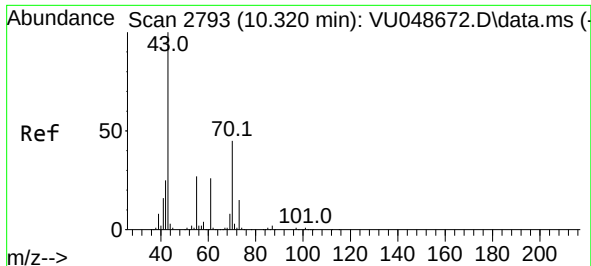
Tgt Ion:117 Resp: 386667
Ion Ratio Lower Upper
117 100
82 56.3 45.3 67.9
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

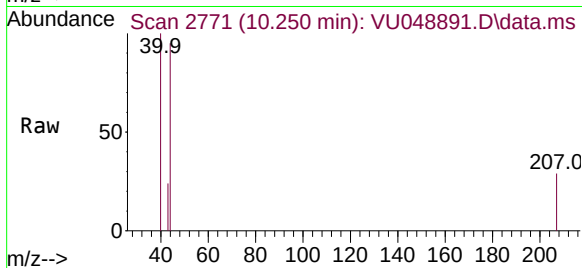
Tgt Ion:152 Resp: 168261
Ion Ratio Lower Upper
152 100
115 60.1 41.8 125.4
150 157.3 0.0 341.0



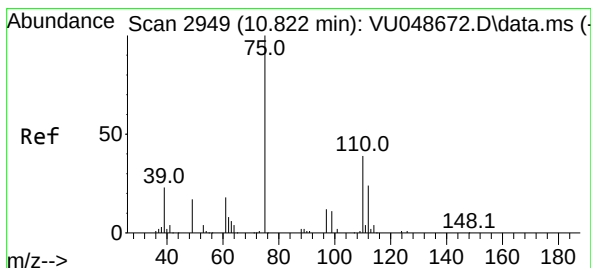
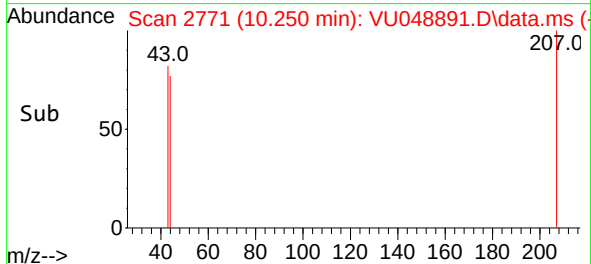
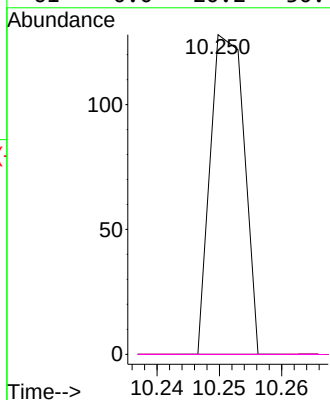


#74
N-amy1 acetate
Concen: 2.475 ug/l
RT: 10.250 min Scan# 21
Delta R.T. -0.070 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

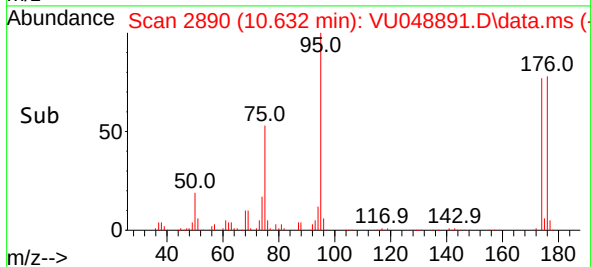
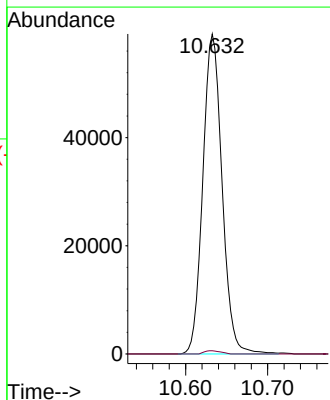
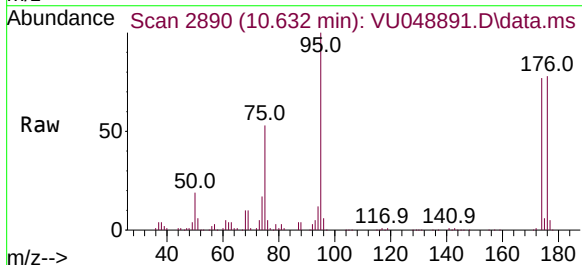


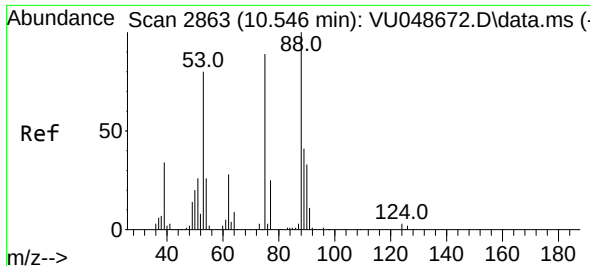
Tgt Ion: 43	Resp: 48
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 17.754 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

Tgt Ion: 75	Resp: 96320
Ion Ratio	Lower Upper
75 100	
77 0.9	14.8 44.3#

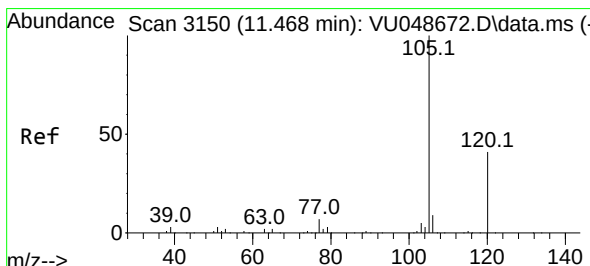
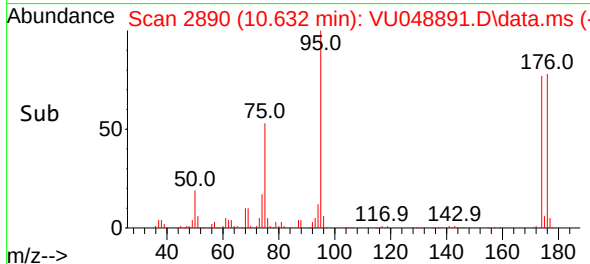
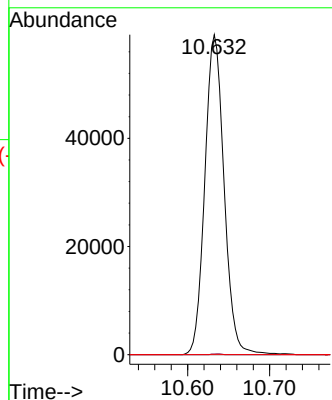
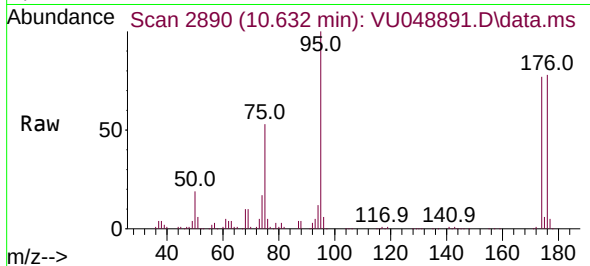




#81
trans-1,4-Dichloro-2-butene
Concen: 64.464 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

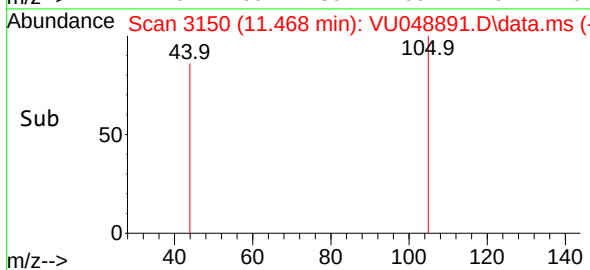
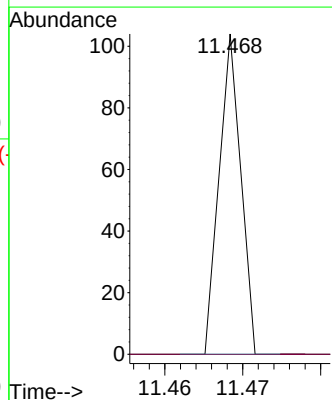
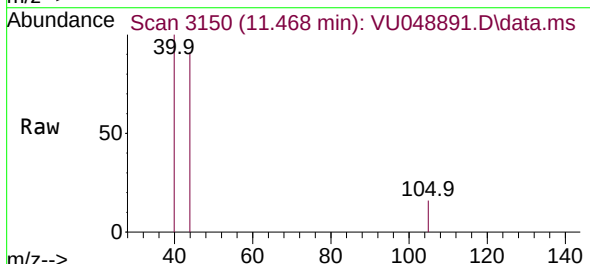
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

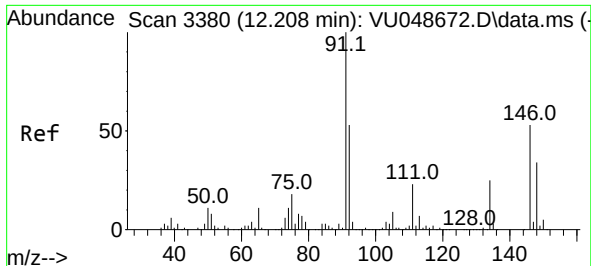
Tgt Ion: 75 Resp: 96320
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.189 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048891.D
Acq: 06 Jun 2022 18:40

Tgt Ion: 105 Resp: 20
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#





#89

n-Butylbenzene

Concen: 2.203 ug/l

RT: 12.214 min Scan# 3382

Delta R.T. 0.006 min

Lab File: VU048891.D

Acq: 06 Jun 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

09BR-20220601

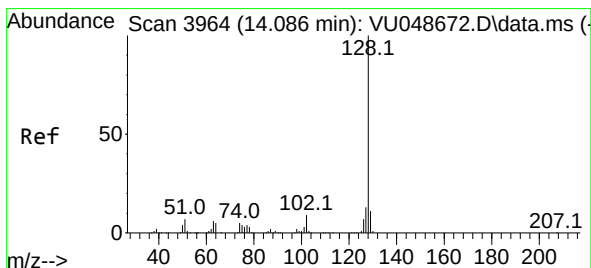
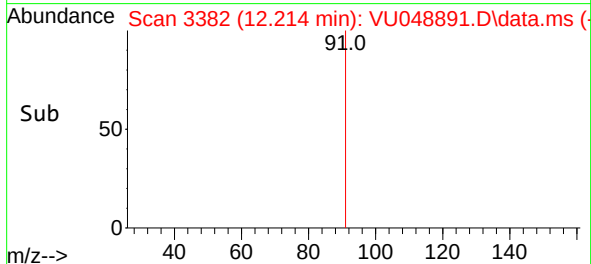
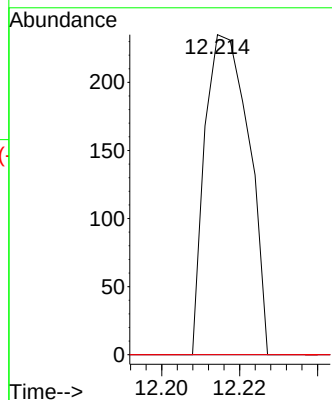
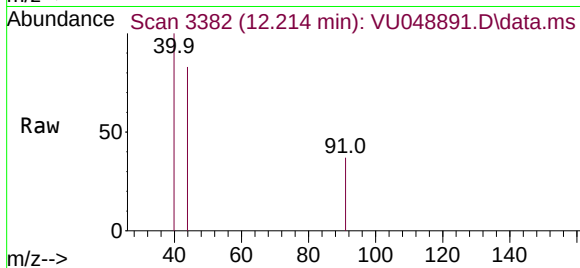
Tgt Ion: 91 Resp: 184

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.8#

134 0.0 12.5 37.5#



#95

Naphthalene

Concen: 2.630 ug/l

RT: 14.102 min Scan# 3969

Delta R.T. 0.016 min

Lab File: VU048891.D

Acq: 06 Jun 2022 18:40

Tgt Ion: 128 Resp: 1363

Ion Ratio Lower Upper

128 100

127 3.1 10.2 15.4#

129 0.0 8.7 13.1#

