

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048931.D
 Acq On : 08 Jun 2022 00:16
 Operator : SY/MD
 Sample : N3164-17DL 4X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 40BR-20220531DL

Quant Time: Jun 08 09:13:46 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)

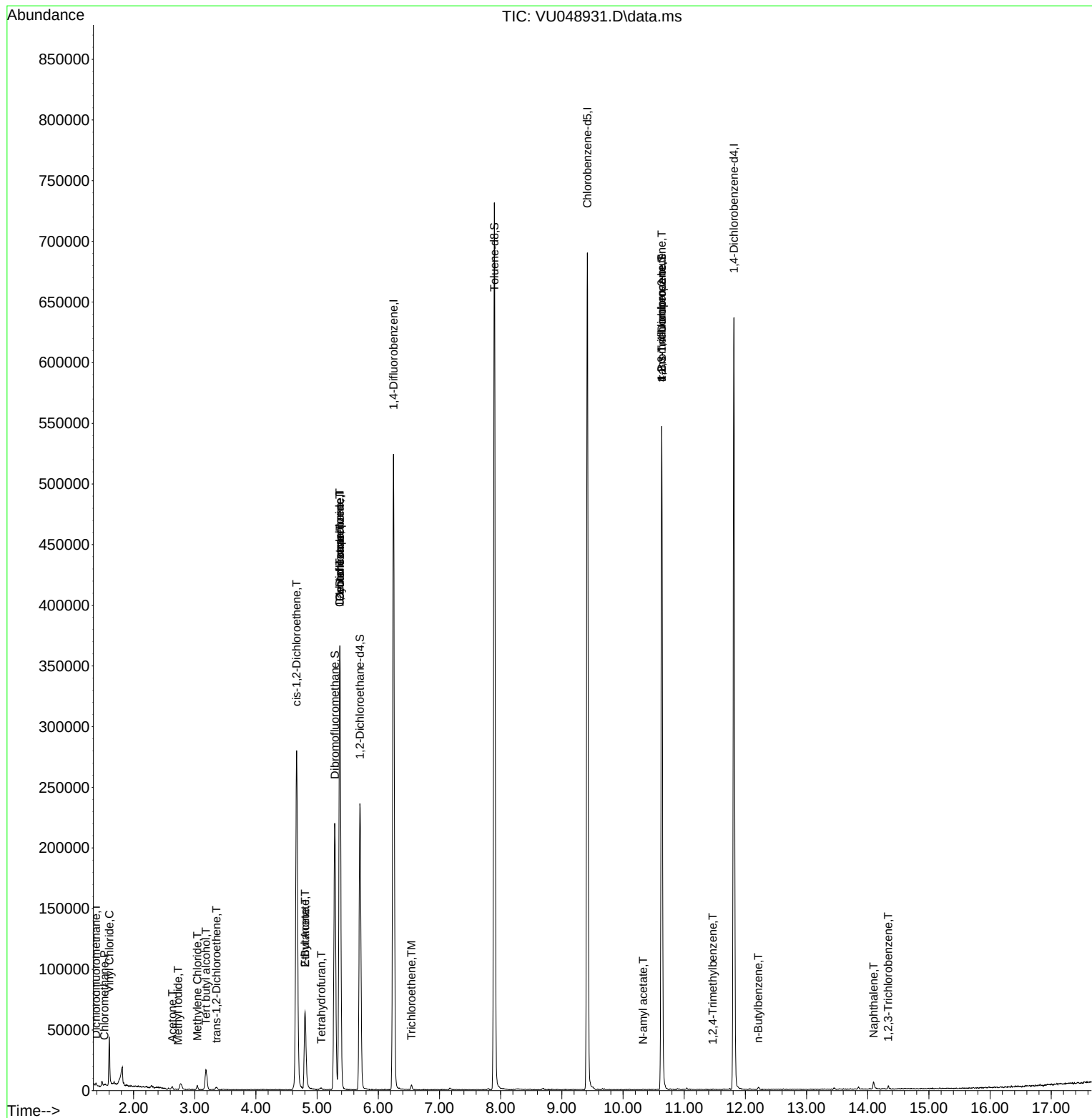
Internal Standards						
1) Pentafluorobenzene	5.372	168	248164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	415336	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	376999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	168983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	182678	49.015	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.040%
35) Dibromofluoromethane	5.288	113	142783	48.187	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.380%
50) Toluene-d8	7.896	98	484942	45.656	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.320%#
62) 4-Bromofluorobenzene	10.632	95	178959	44.550	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.100%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	1058	0.372	ug/l	80
3) Chloromethane	1.523	50	915	0.250	ug/l	89
4) Vinyl Chloride	1.604	62	27180	8.024	ug/l	94
5) Bromomethane	1.845	94	194	Below Cal	#	47
6) Chloroethane	1.928	64	162	Below Cal	#	43
10) Methyl Iodide	2.729	142	20	3.009	ug/l #	37
11) Tert butyl alcohol	3.182	59	9931	10.510	ug/l #	28
16) Acetone	2.633	43	2783	1.465	ug/l #	85
20) Methylene Chloride	3.041	84	1254	0.388	ug/l #	86
21) trans-1,2-Dichloroethene	3.356	96	983	0.340	ug/l	92
25) 2-Butanone	4.803	43	85360	31.284	ug/l #	49
27) cis-1,2-Dichloroethene	4.665	96	145865	43.617	ug/l	88
29) Tetrahydrofuran	5.070	42	833	0.485	ug/l #	68
31) Cyclohexane	5.372	56	5094	1.085	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	21646	5.005	ug/l #	49
37) Ethyl Acetate	4.803	43	85360	15.613	ug/l	99
38) Carbon Tetrachloride	5.369	117	25404	5.120	ug/l #	17
44) Trichloroethene	6.542	130	1368	0.416	ug/l	95
74) N-amyl acetate	10.327	43	62	2.478	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	94669	17.375	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	94669	63.088	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	316	1.217	ug/l #	52
89) n-Butylbenzene	12.211	91	1143	2.297	ug/l #	72
95) Naphthalene	14.098	128	6341	2.985	ug/l	98
96) 1,2,3-Trichlorobenzene	14.336	180	1197	0.317	ug/l	86

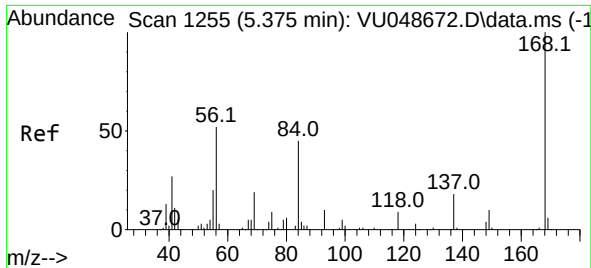
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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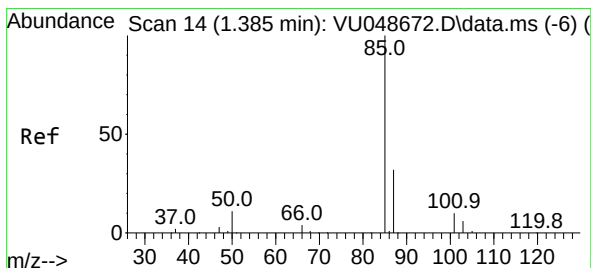
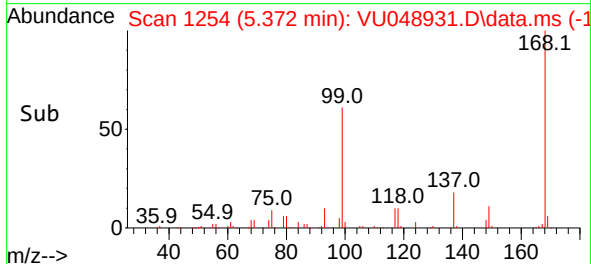
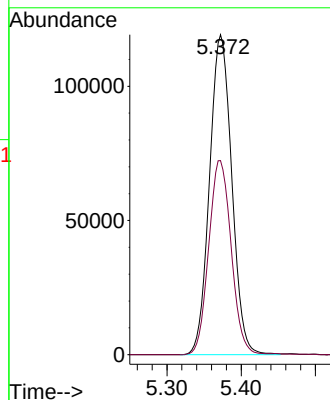
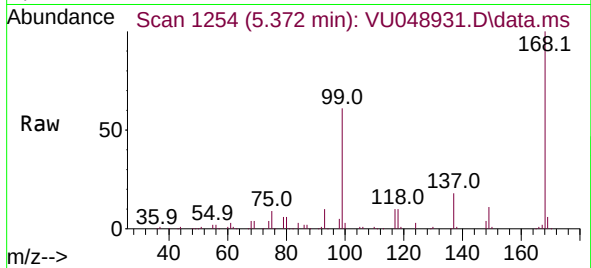




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

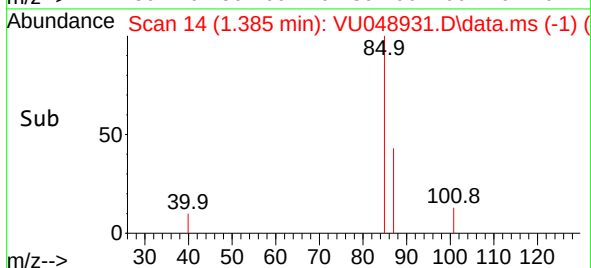
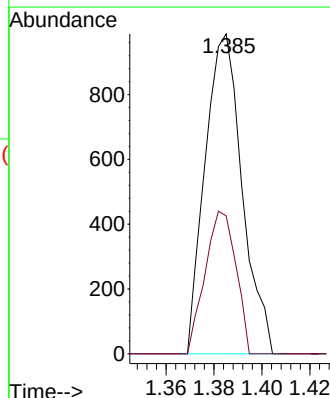
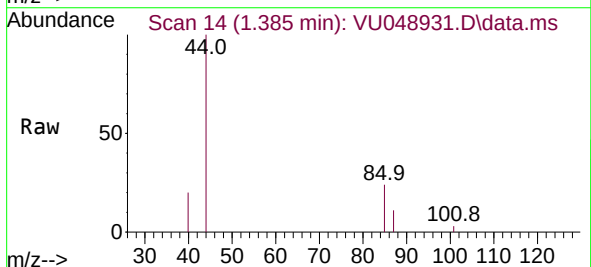
Instrument :
MSVOA_U
ClientSampleId :
40BR-20220531DL

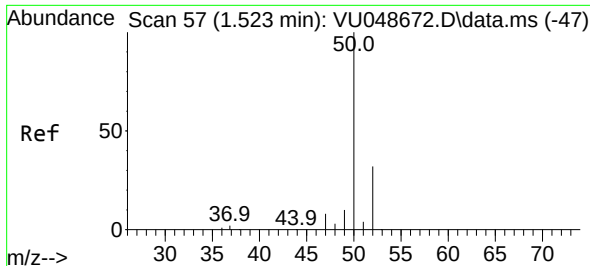
Tgt Ion:168 Resp: 248164
Ion Ratio Lower Upper
168 100
99 60.6 49.3 73.9



#2
Dichlorodifluoromethane
Concen: 0.372 ug/l
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

Tgt Ion: 85 Resp: 1058
Ion Ratio Lower Upper
85 100
87 43.2 16.0 48.0

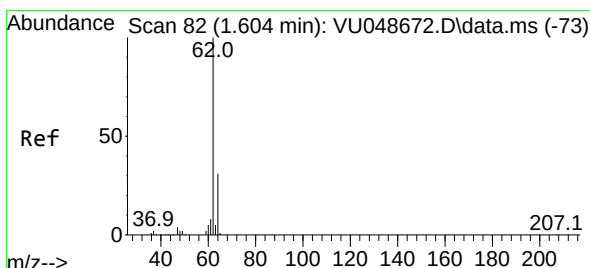
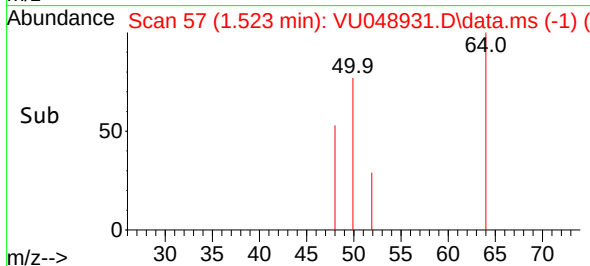
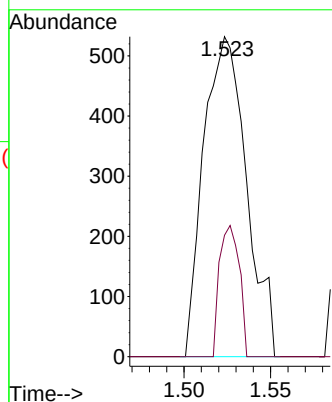
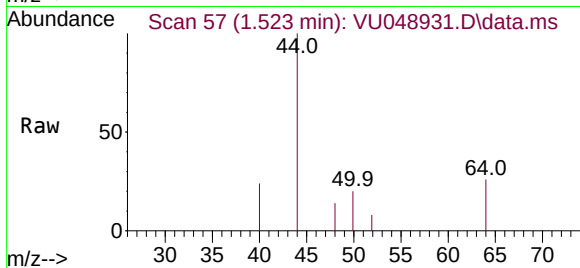




#3
Chloromethane
Concen: 0.250 ug/l
RT: 1.523 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

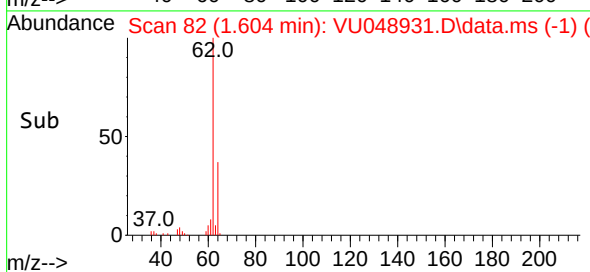
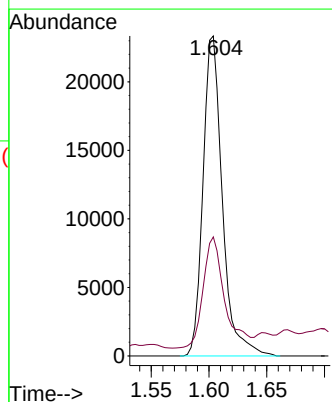
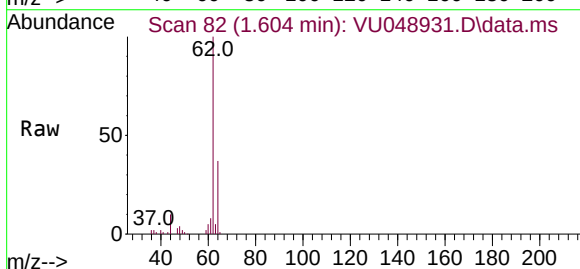
Instrument :
MSVOA_U
ClientSampleId :
40BR-20220531DL

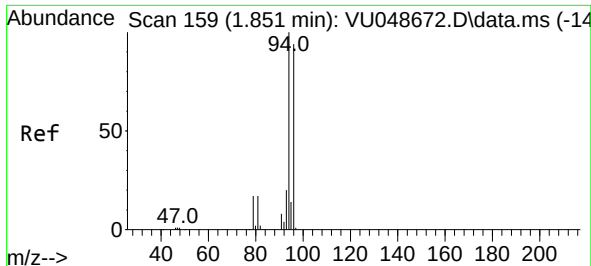
Tgt Ion: 50 Resp: 915
Ion Ratio Lower Upper
50 100
52 38.0 25.7 38.5



#4
Vinyl Chloride
Concen: 8.024 ug/l
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

Tgt Ion: 62 Resp: 27180
Ion Ratio Lower Upper
62 100
64 34.6 25.2 37.8

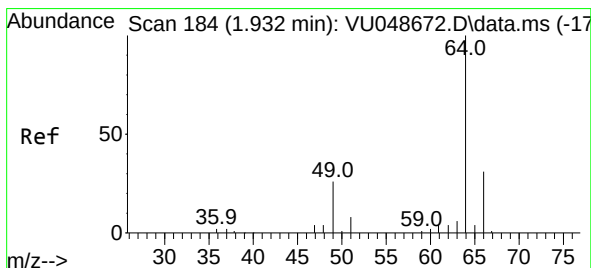
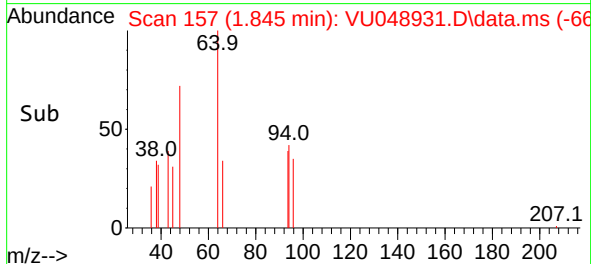
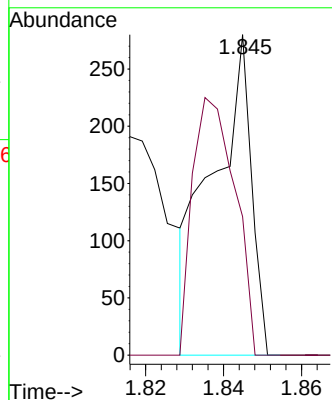
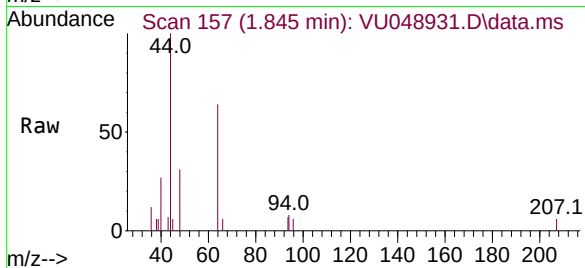




#5
Bromomethane
Concen: Below Cal
RT: 1.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

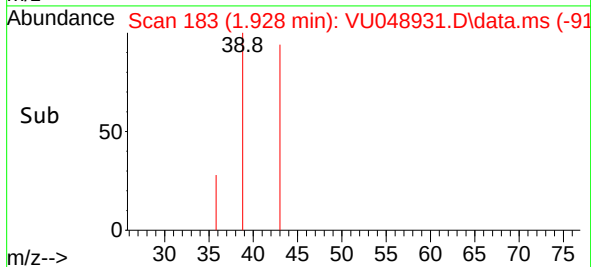
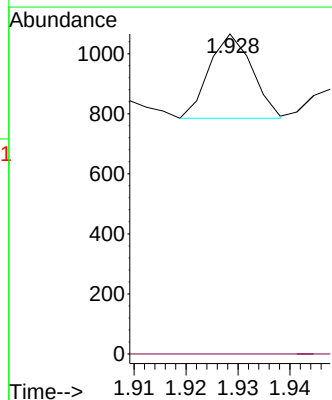
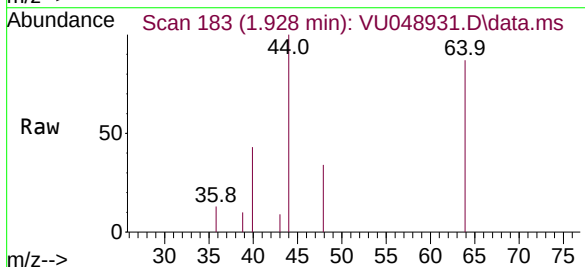
Instrument :
MSVOA_U
ClientSampleId :
40BR-20220531DL

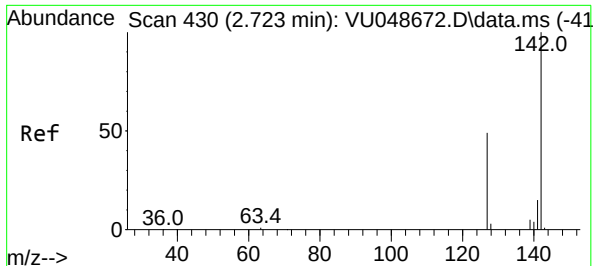
Tgt Ion: 94 Resp: 194
Ion Ratio Lower Upper
94 100
96 43.2 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.928 min Scan# 183
Delta R.T. -0.004 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

Tgt Ion: 64 Resp: 162
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

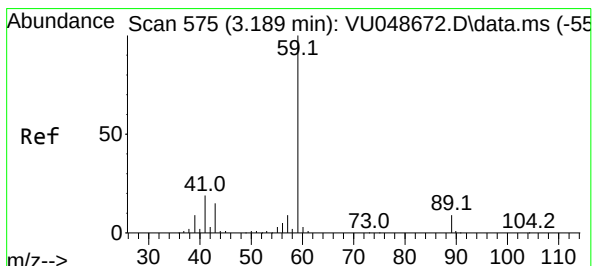
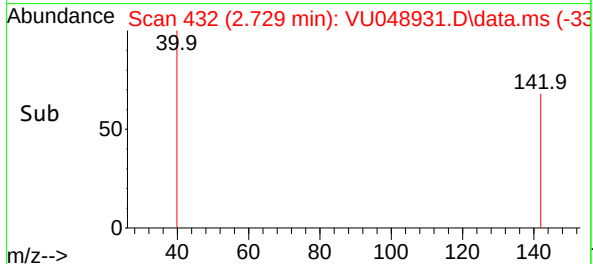
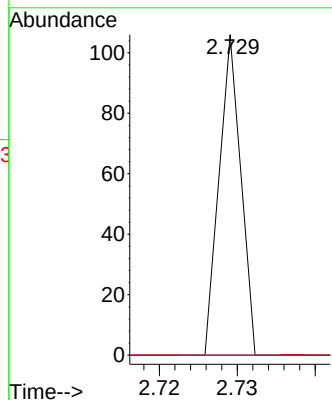
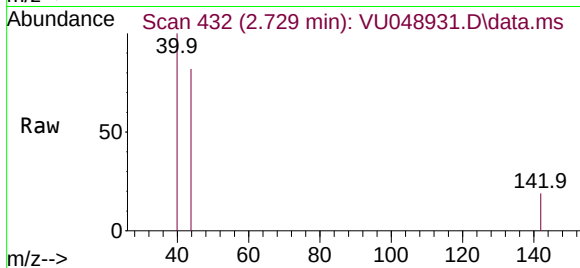




#10
Methyl Iodide
Concen: 3.009 ug/l
RT: 2.729 min Scan# 41
Delta R.T. 0.006 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

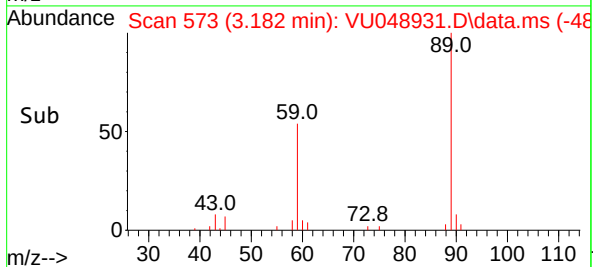
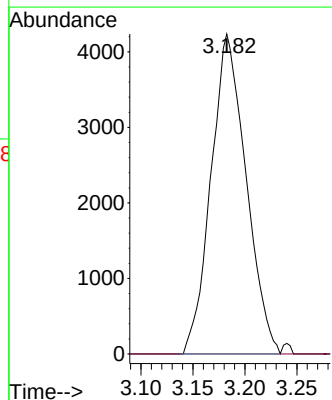
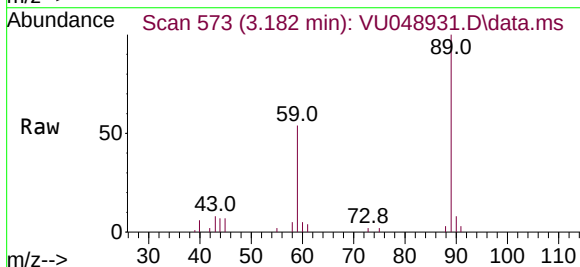
Instrument :
MSVOA_U
ClientSampleId :
40BR-20220531DL

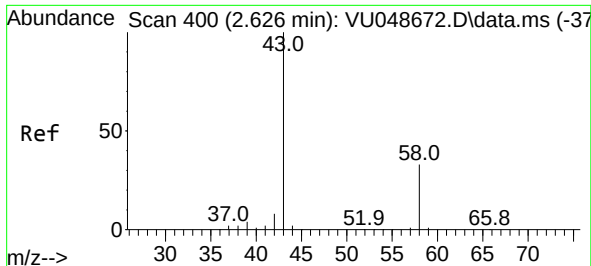
Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 10.510 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.006 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

Tgt Ion: 59 Resp: 9931
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#





#16

Acetone

Concen: 1.465 ug/l

RT: 2.633 min Scan# 40

Delta R.T. 0.006 min

Lab File: VU048931.D

Acq: 08 Jun 2022 00:16

Instrument :

MSVOA_U

ClientSampleId :

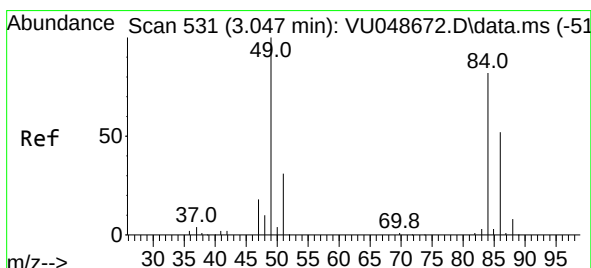
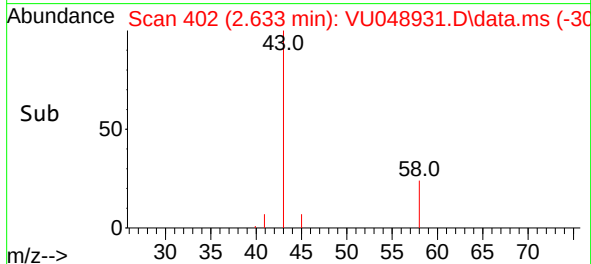
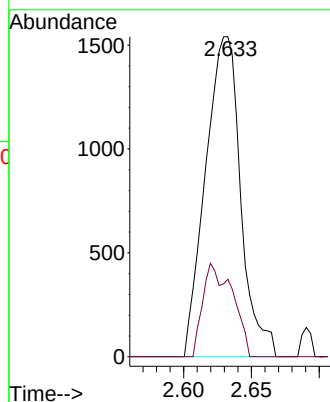
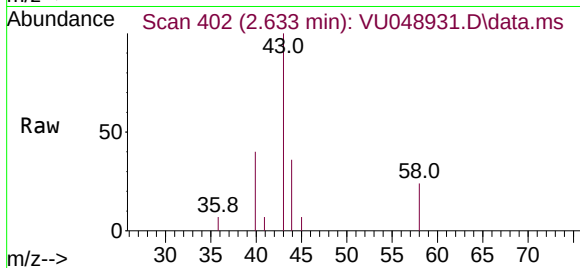
40BR-20220531DL

Tgt Ion: 43 Resp: 2783

Ion Ratio Lower Upper

43 100

58 24.2 26.3 39.5#



#20

Methylene Chloride

Concen: 0.388 ug/l

RT: 3.041 min Scan# 529

Delta R.T. -0.006 min

Lab File: VU048931.D

Acq: 08 Jun 2022 00:16

Tgt Ion: 84 Resp: 1254

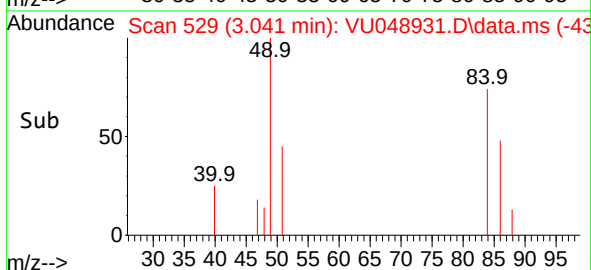
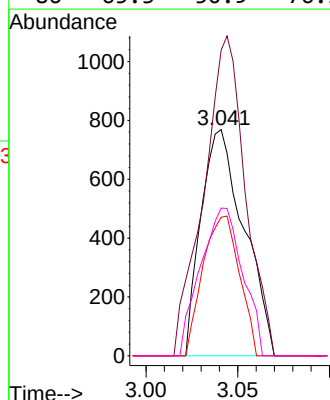
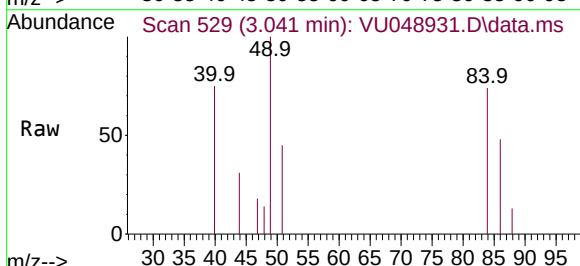
Ion Ratio Lower Upper

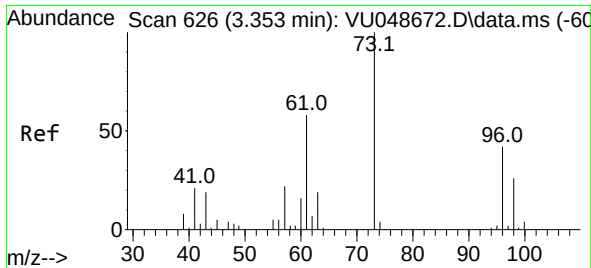
84 100

49 135.1 97.0 145.4

51 61.2 29.8 44.8#

86 65.3 50.9 76.3

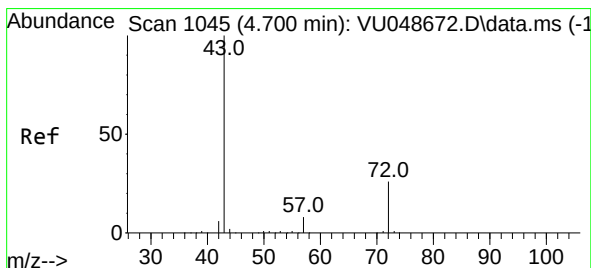
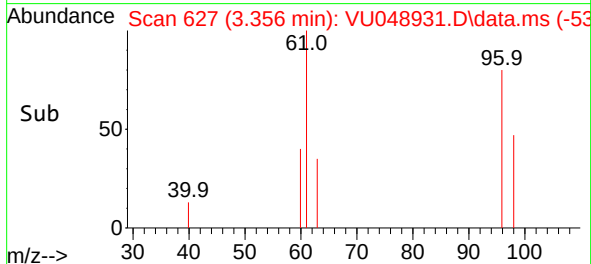
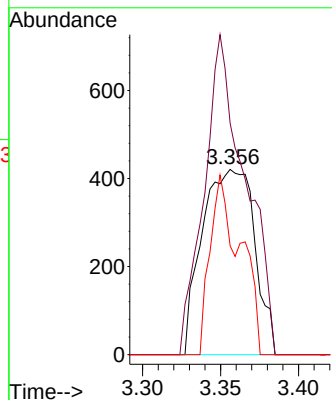
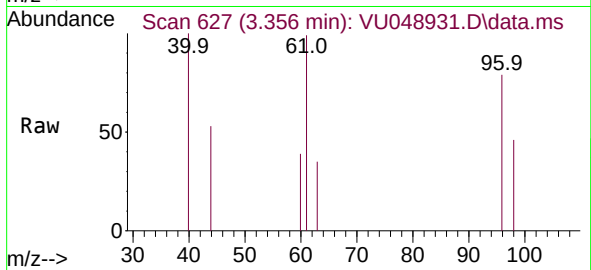




#21
trans-1,2-Dichloroethene
Concen: 0.340 ug/l
RT: 3.356 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

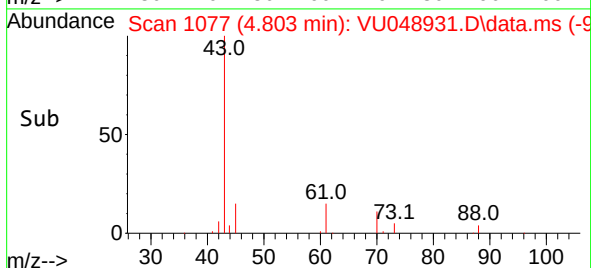
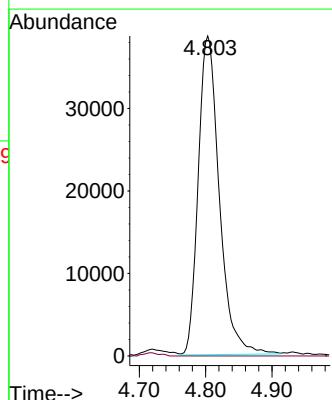
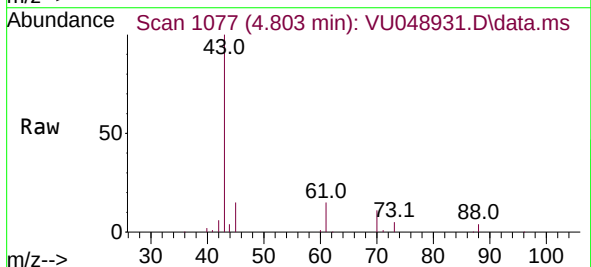
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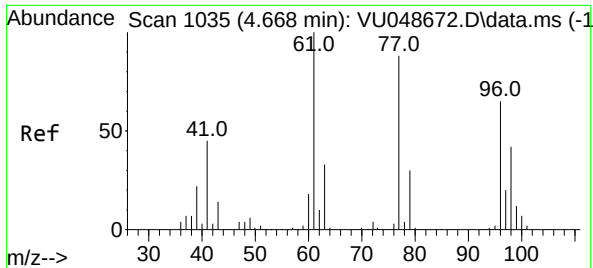
Tgt Ion: 96 Resp: 983
Ion Ratio Lower Upper
96 100
61 124.9 109.4 164.2
98 58.7 48.9 73.3



#25
2-Butanone
Concen: 31.284 ug/l
RT: 4.803 min Scan# 1077
Delta R.T. 0.103 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

Tgt Ion: 43 Resp: 85360
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#





#27

cis-1,2-Dichloroethene

Concen: 43.617 ug/l

RT: 4.665 min Scan# 110

Delta R.T. -0.003 min

Lab File: VU048931.D

Acq: 08 Jun 2022 00:16

Instrument :

MSVOA_U

ClientSampleId :

40BR-20220531DL

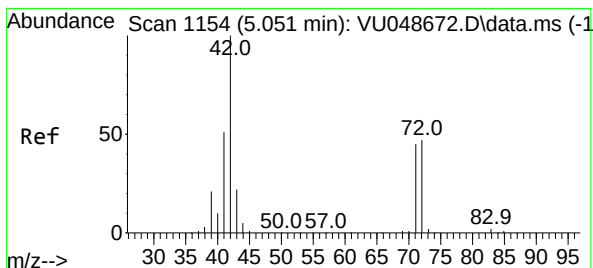
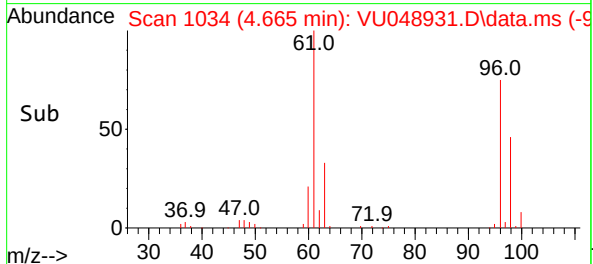
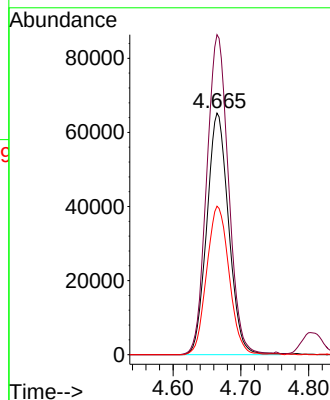
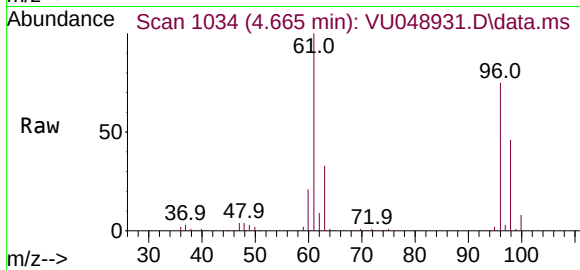
Tgt Ion: 96 Resp: 145865

Ion Ratio Lower Upper

96 100

61 132.2 0.0 306.2

98 63.0 0.0 130.4



#29

Tetrahydrofuran

Concen: 0.485 ug/l

RT: 5.070 min Scan# 1160

Delta R.T. 0.019 min

Lab File: VU048931.D

Acq: 08 Jun 2022 00:16

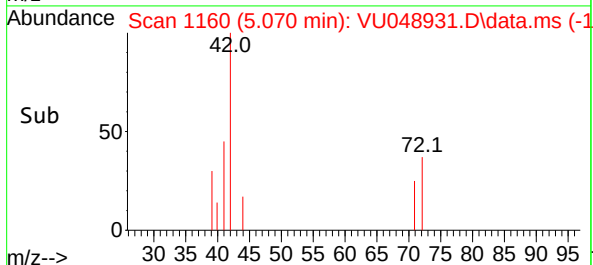
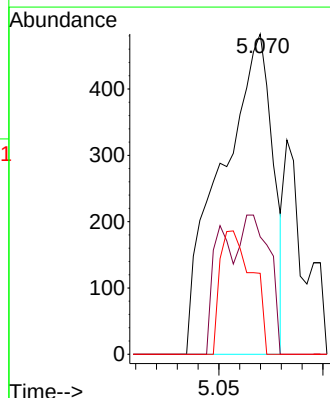
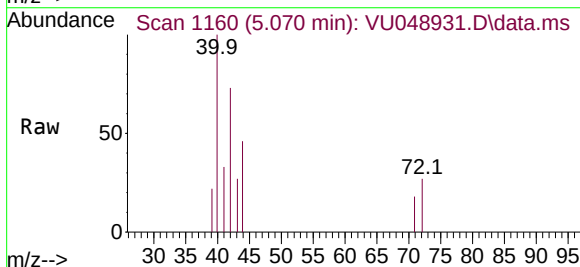
Tgt Ion: 42 Resp: 833

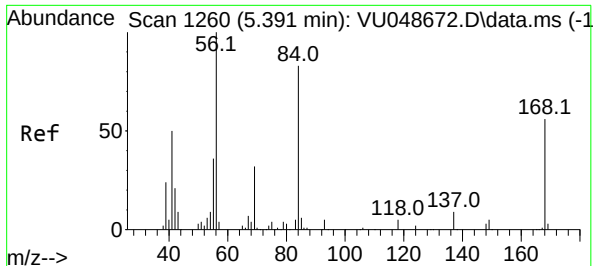
Ion Ratio Lower Upper

42 100

72 24.8 37.6 56.4#

71 24.1 35.0 52.4#





#31

Cyclohexane

Concen: 1.085 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048931.D

Acq: 08 Jun 2022 00:16

Instrument :

MSVOA_U

ClientSampleId :

40BR-20220531DL

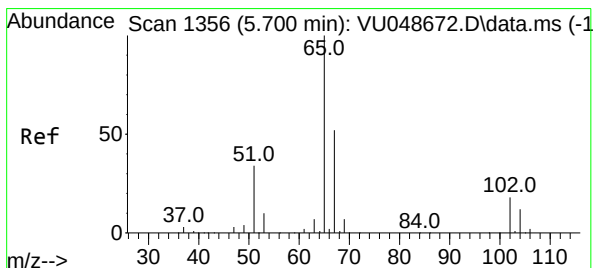
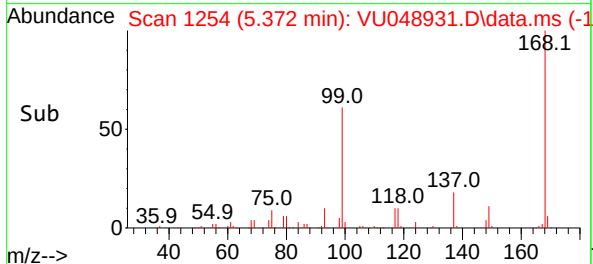
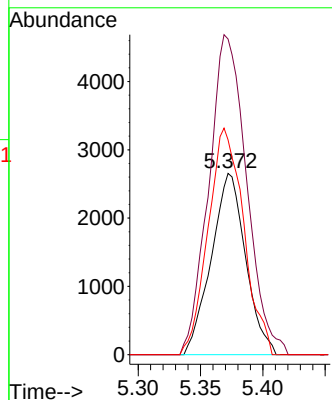
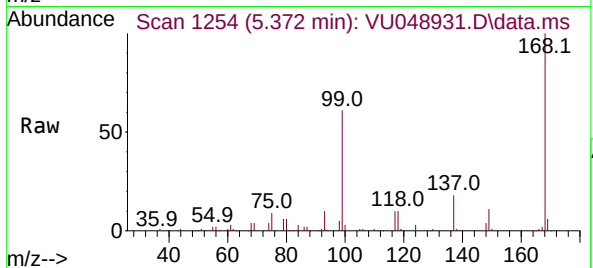
Tgt Ion: 56 Resp: 5094

Ion Ratio Lower Upper

56 100

69 174.1 25.6 38.4#

84 118.5 66.2 99.4#



#33

1,2-Dichloroethane-d4

Concen: 49.015 ug/l

RT: 5.700 min Scan# 1356

Delta R.T. -0.000 min

Lab File: VU048931.D

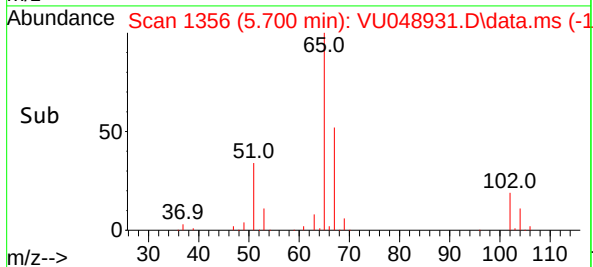
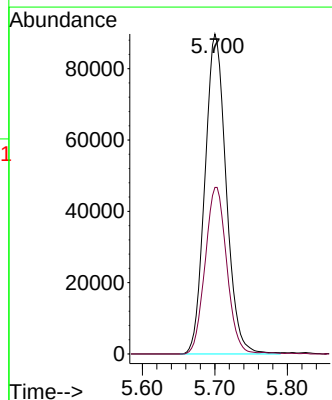
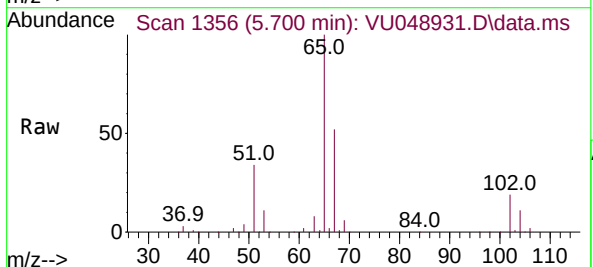
Acq: 08 Jun 2022 00:16

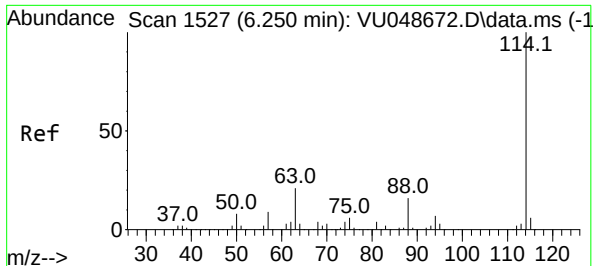
Tgt Ion: 65 Resp: 182678

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048931.D

Acq: 08 Jun 2022 00:16

Instrument :

MSVOA_U

ClientSampleId :

40BR-20220531DL

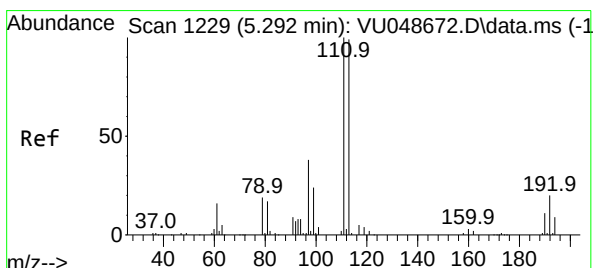
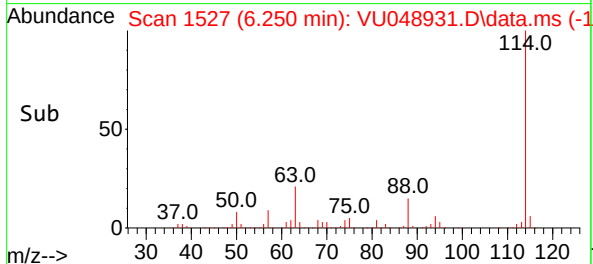
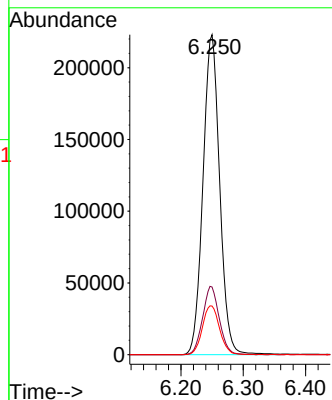
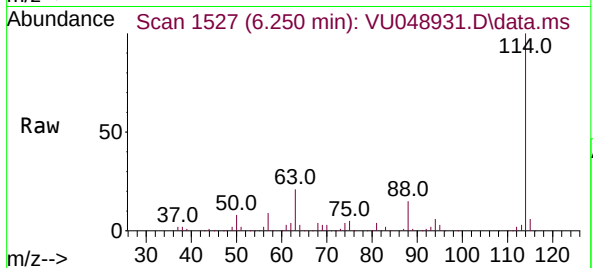
Tgt Ion:114 Resp: 415336

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

88 15.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.187 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048931.D

Acq: 08 Jun 2022 00:16

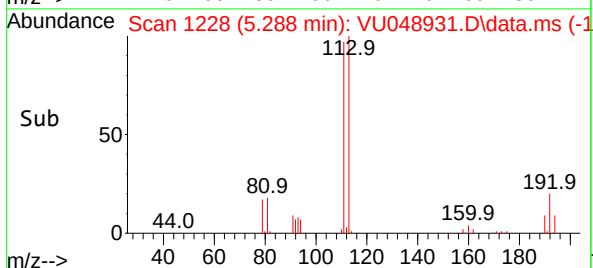
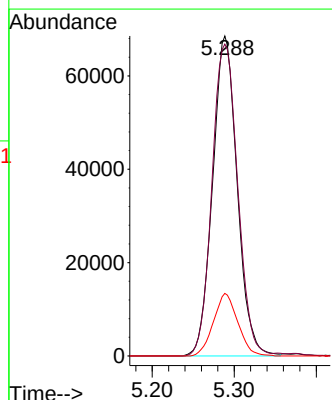
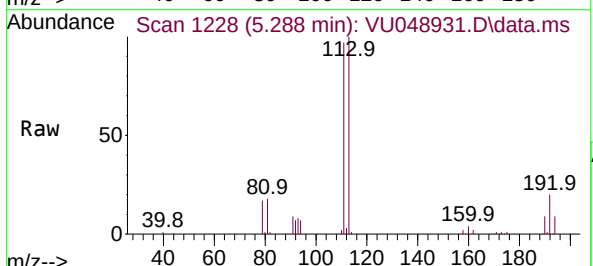
Tgt Ion:113 Resp: 142783

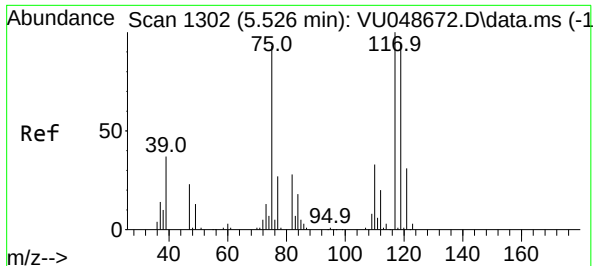
Ion Ratio Lower Upper

113 100

111 101.7 80.7 121.1

192 19.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.005 ug/l

RT: 5.369 min Scan# 11

Delta R.T. -0.158 min

Lab File: VU048931.D

Acq: 08 Jun 2022 00:16

Instrument :

MSVOA_U

ClientSampleId :

40BR-20220531DL

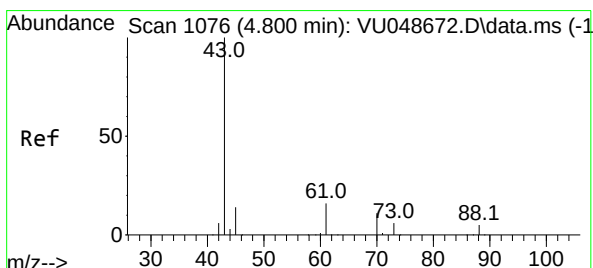
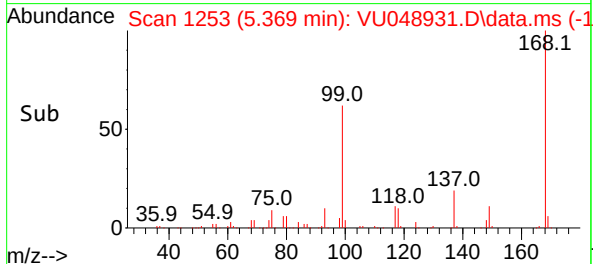
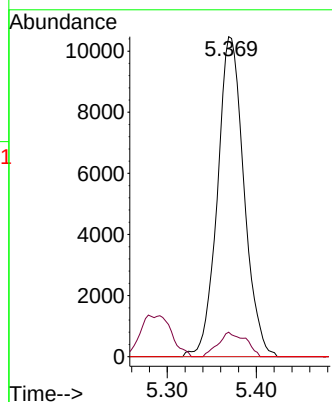
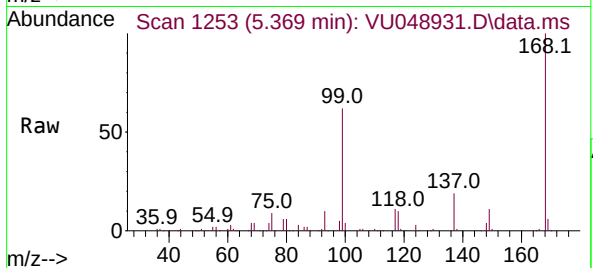
Tgt Ion: 75 Resp: 21646

Ion Ratio Lower Upper

75 100

110 7.9 17.4 52.3#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 15.613 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VU048931.D

Acq: 08 Jun 2022 00:16

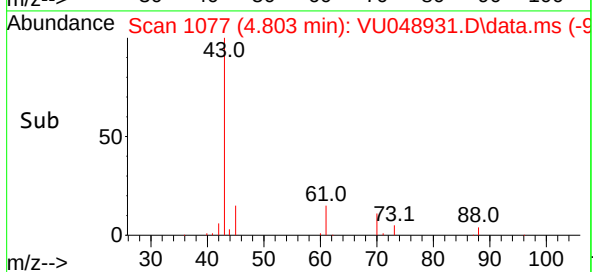
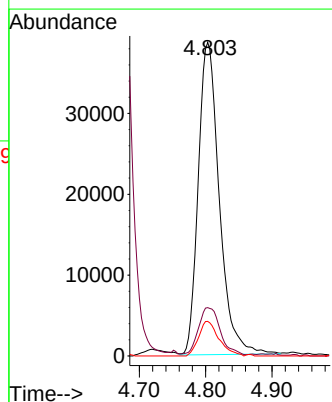
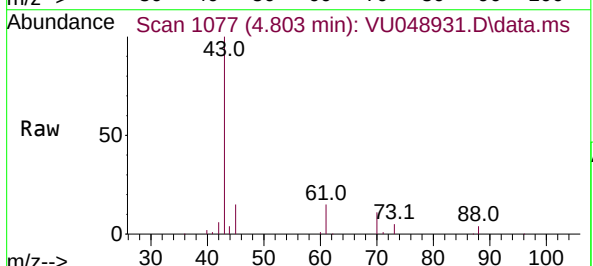
Tgt Ion: 43 Resp: 85360

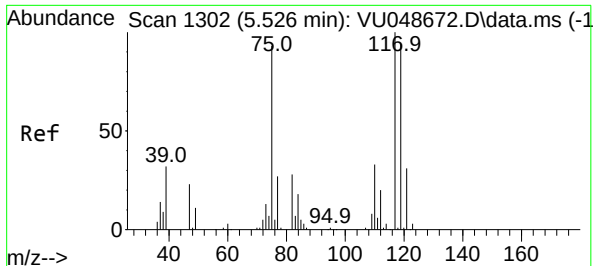
Ion Ratio Lower Upper

43 100

61 15.4 11.7 17.5

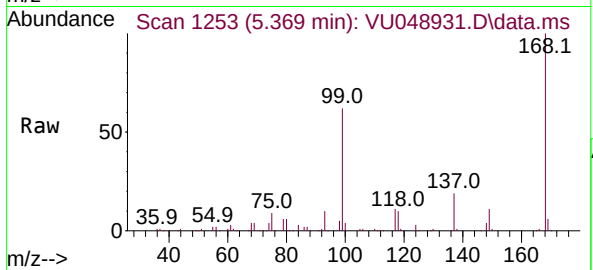
70 10.7 8.4 12.6



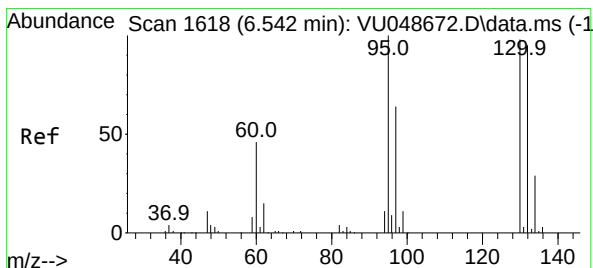
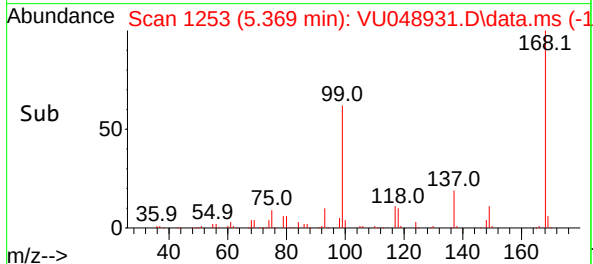
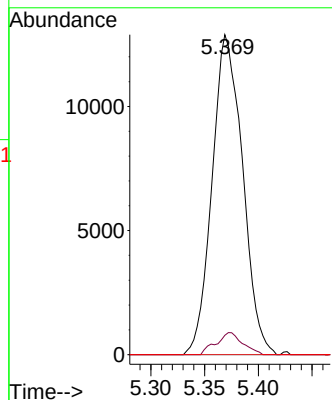


#38
Carbon Tetrachloride
Concen: 5.120 ug/l
RT: 5.369 min Scan# 117
Delta R.T. -0.158 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

Instrument :
MSVOA_U
ClientSampleId :
40BR-20220531DL

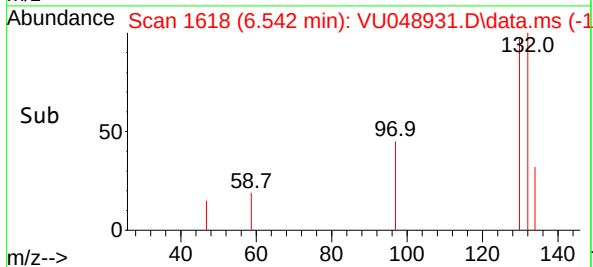
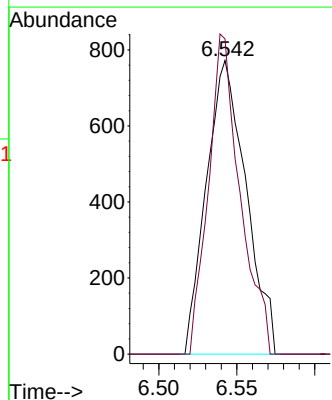
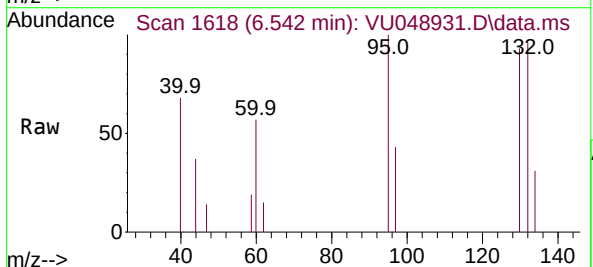


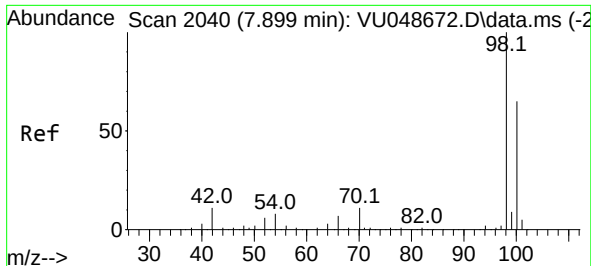
Tgt Ion:117 Resp: 25404
Ion Ratio Lower Upper
117 100
119 6.1 75.4 113.2#
121 0.0 24.6 36.8#



#44
Trichloroethene
Concen: 0.416 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

Tgt Ion:130 Resp: 1368
Ion Ratio Lower Upper
130 100
95 107.4 0.0 204.8

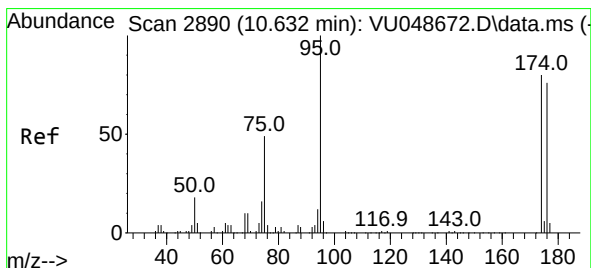
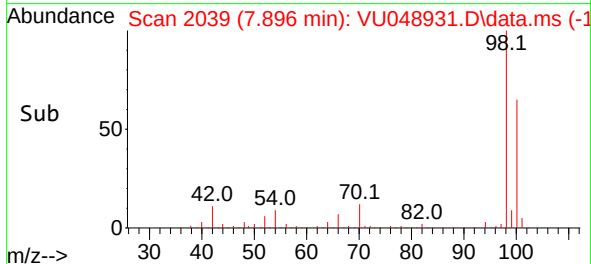
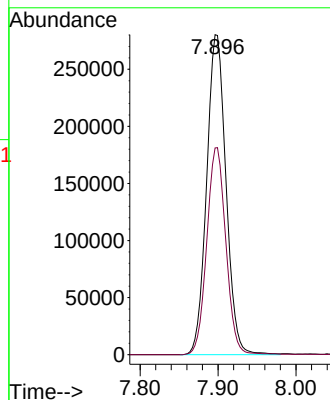
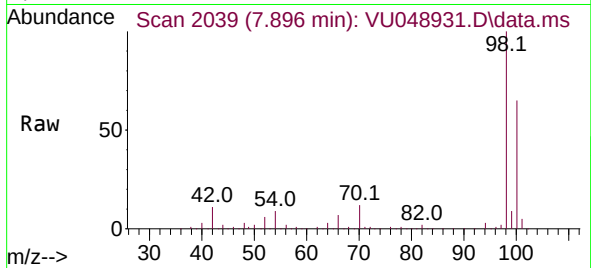




#50
Toluene-d8
Concen: 45.656 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

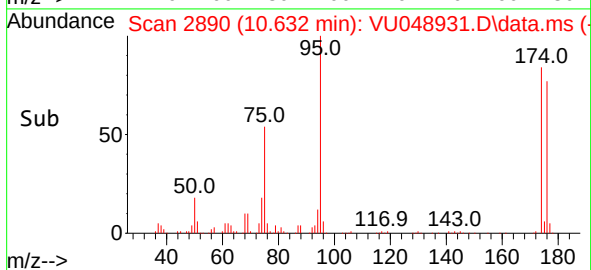
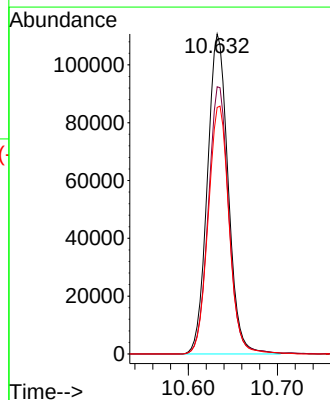
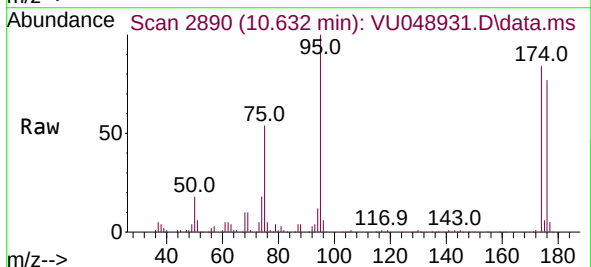
Instrument :
MSVOA_U
ClientSampleId :
40BR-20220531DL

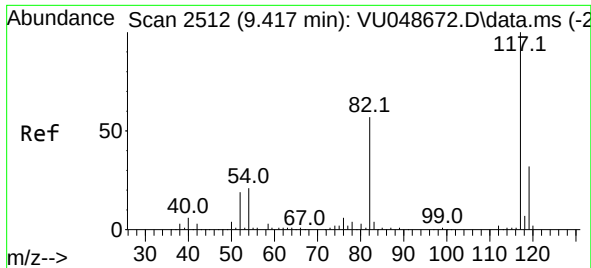
Tgt Ion: 98 Resp: 484942
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 44.550 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

Tgt Ion: 95 Resp: 178959
Ion Ratio Lower Upper
95 100
174 82.6 0.0 159.4
176 78.1 0.0 152.4

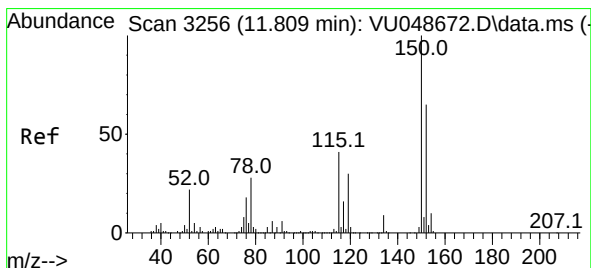
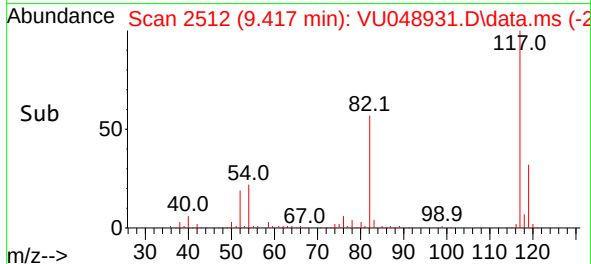
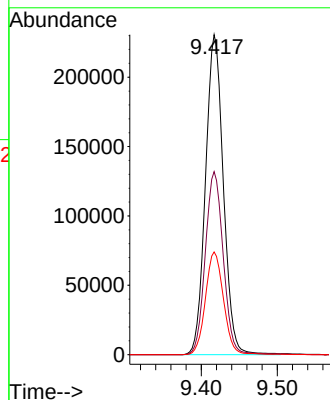
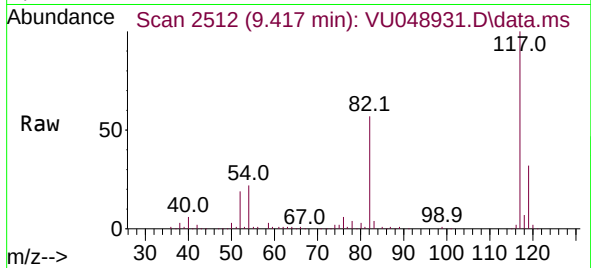




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

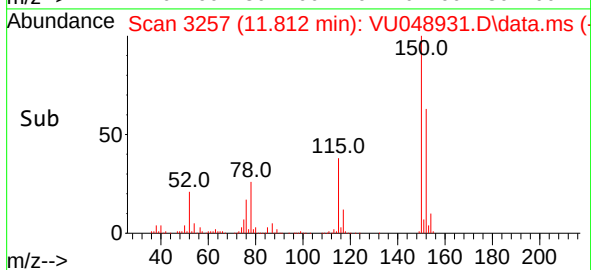
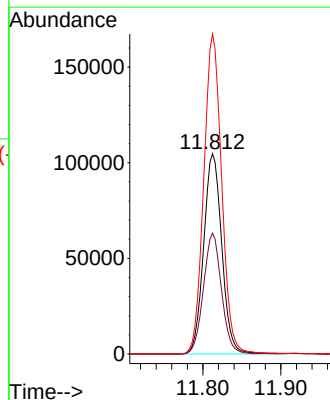
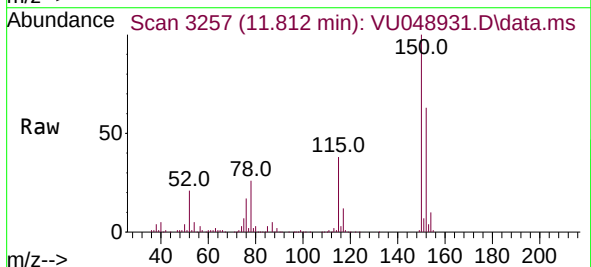
Instrument :
MSVOA_U
ClientSampleId :
40BR-20220531DL

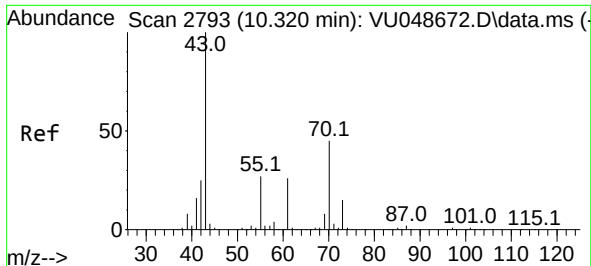
Tgt Ion:117 Resp: 376999
Ion Ratio Lower Upper
117 100
82 57.2 45.3 67.9
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

Tgt Ion:152 Resp: 168983
Ion Ratio Lower Upper
152 100
115 59.9 41.8 125.4
150 158.4 0.0 341.0

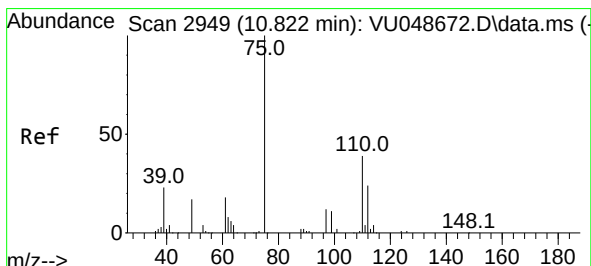
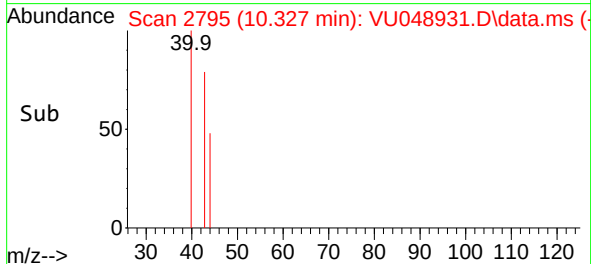
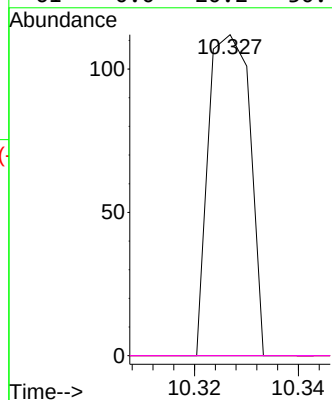
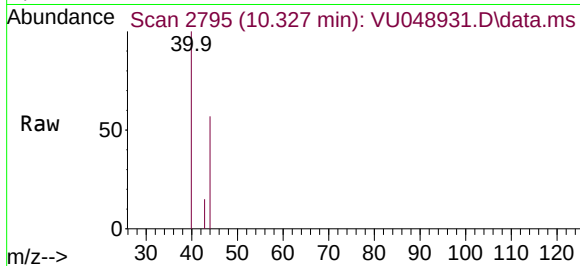




#74
N-amy1 acetate
Concen: 2.478 ug/l
RT: 10.327 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

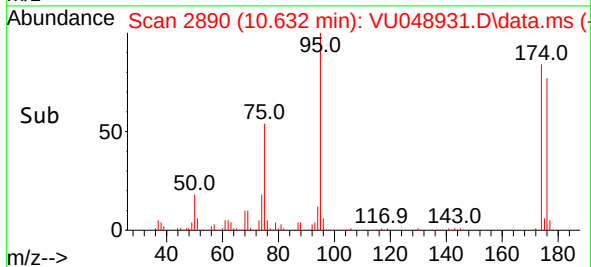
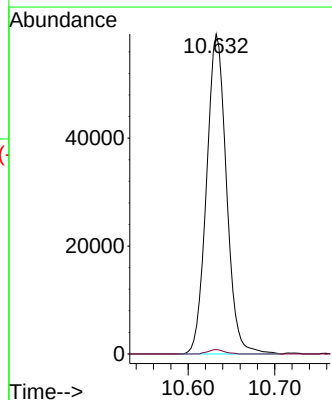
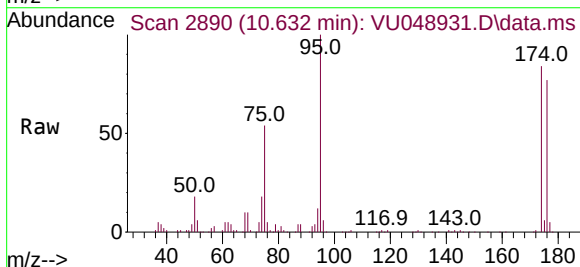
Instrument :
MSVOA_U
ClientSampleId :
40BR-20220531DL

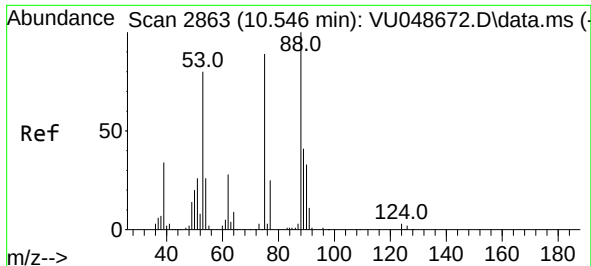
Tgt Ion: 43	Resp: 62
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 17.375 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

Tgt Ion: 75	Resp: 94669
Ion Ratio	Lower Upper
75 100	
77 1.1	14.8 44.3#

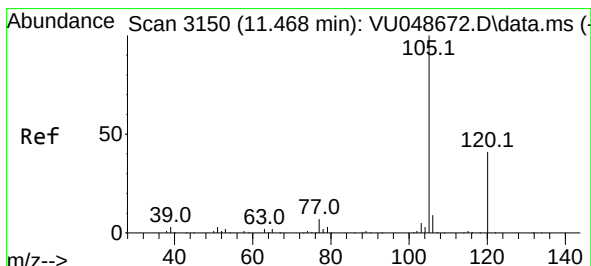
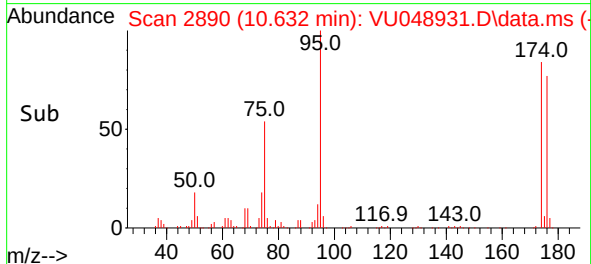
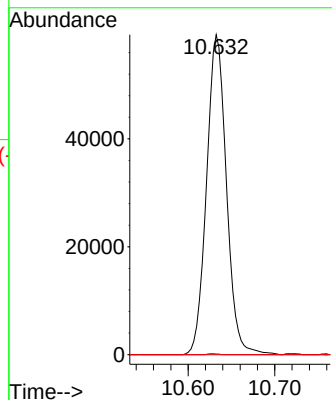
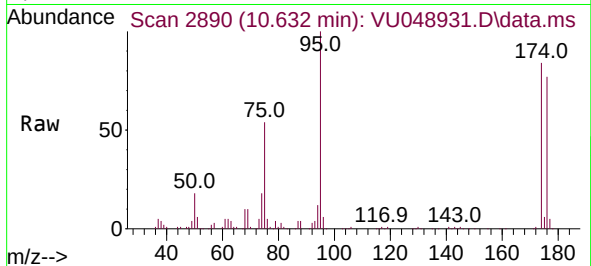




#81
trans-1,4-Dichloro-2-butene
Concen: 63.088 ug/l
RT: 10.632 min Scan# 2863
Delta R.T. 0.087 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

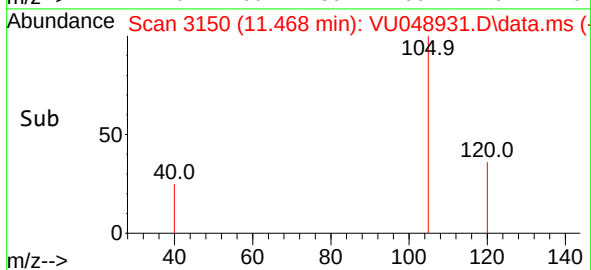
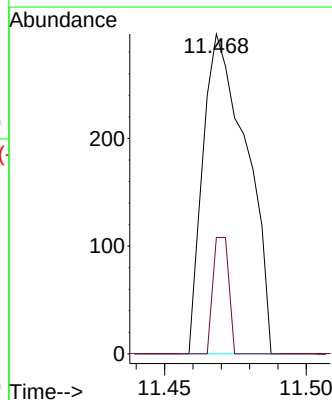
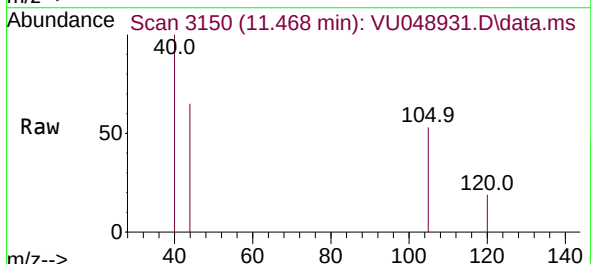
Instrument :
MSVOA_U
ClientSampleId :
40BR-20220531DL

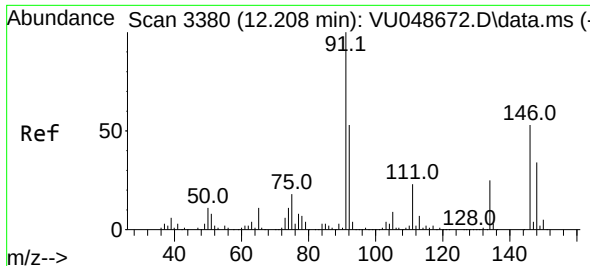
Tgt Ion: 75 Resp: 94669
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.217 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048931.D
Acq: 08 Jun 2022 00:16

Tgt Ion: 105 Resp: 316
Ion Ratio Lower Upper
105 100
120 13.3 22.5 67.5#





#89

n-Butylbenzene

Concen: 2.297 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU048931.D

Acq: 08 Jun 2022 00:16

Instrument :

MSVOA_U

ClientSampleId :

40BR-20220531DL

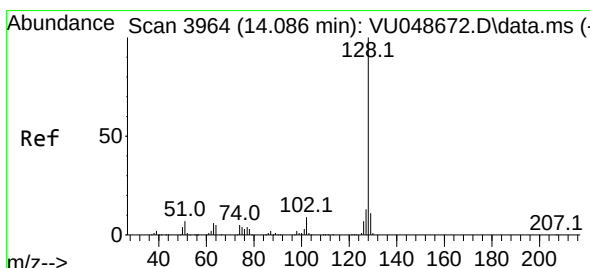
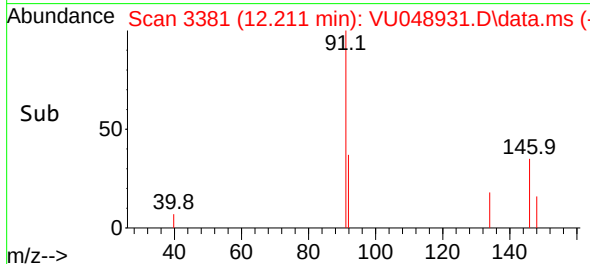
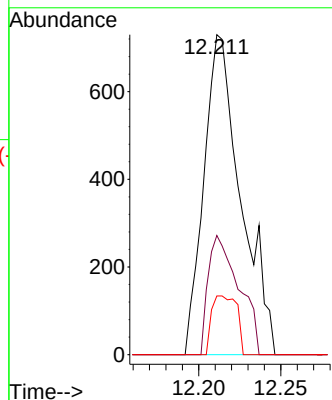
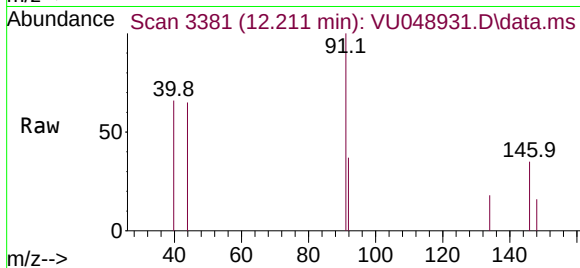
Tgt Ion: 91 Resp: 1143

Ion Ratio Lower Upper

91 100

92 31.0 25.9 77.8

134 12.4 12.5 37.5#



#95

Naphthalene

Concen: 2.985 ug/l

RT: 14.098 min Scan# 3968

Delta R.T. 0.012 min

Lab File: VU048931.D

Acq: 08 Jun 2022 00:16

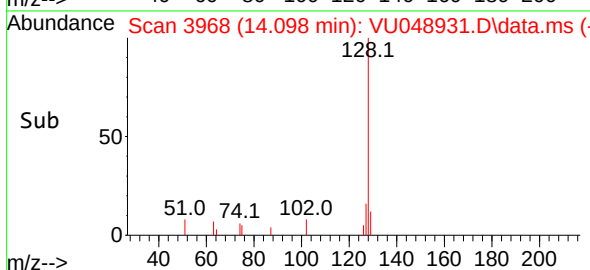
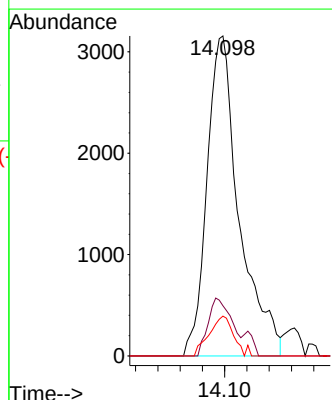
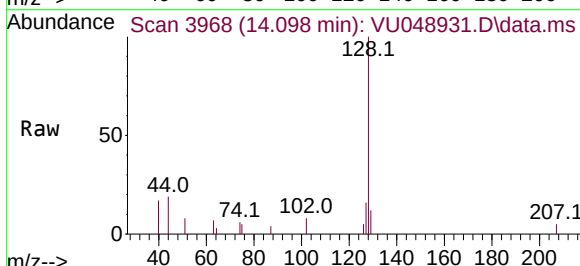
Tgt Ion:128 Resp: 6341

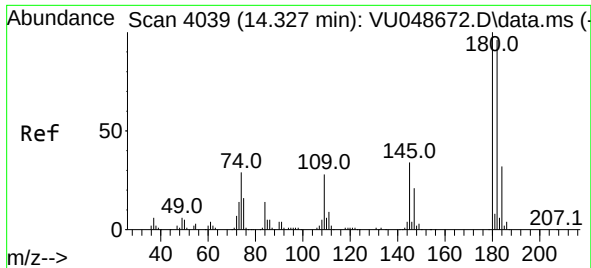
Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

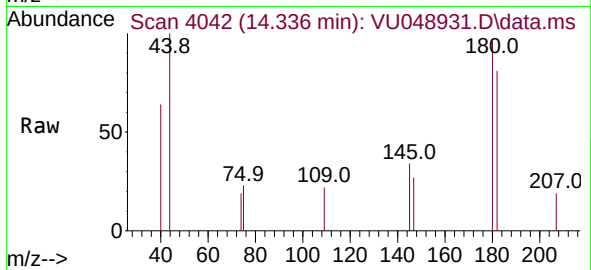
129 9.5 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.317 ug/l
 RT: 14.336 min Scan# 40
 Delta R.T. 0.010 min
 Lab File: VU048931.D
 Acq: 08 Jun 2022 00:16

Instrument :
 MSVOA_U
 ClientSampleId :
 40BR-20220531DL



Tgt Ion:180 Resp: 1197
 Ion Ratio Lower Upper
 180 100
 182 79.1 47.4 142.2
 145 36.6 16.6 49.8

