

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048910.D
 Acq On : 07 Jun 2022 15:25
 Operator : SY/MD
 Sample : N3165-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 65BR-20220531

Quant Time: Jun 08 04:52:55 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)

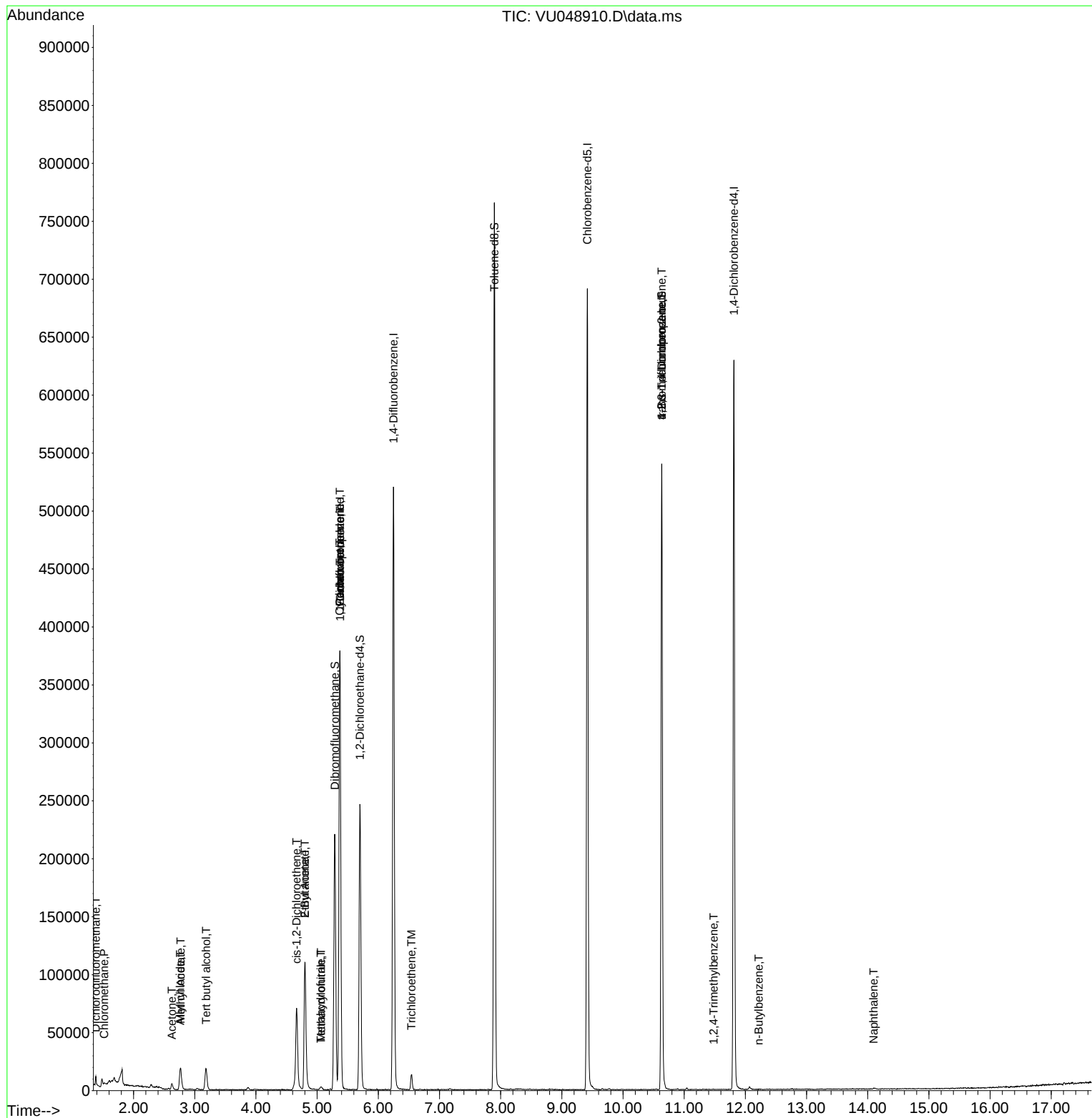
Internal Standards						
1) Pentafluorobenzene	5.372	168	254254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	412502	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	373911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	168754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	190440	49.874	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.740%
35) Dibromofluoromethane	5.289	113	140353	47.692	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.380%
50) Toluene-d8	7.896	98	503248	47.705	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.400%
62) 4-Bromofluorobenzene	10.632	95	180338	45.202	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	4562	1.567	ug/l	91
3) Chloromethane	1.520	50	1212	0.323	ug/l #	67
5) Bromomethane	1.835	94	192	Below Cal		87
6) Chloroethane	1.929	64	122	Below Cal	#	43
11) Tert butyl alcohol	3.186	59	11600	11.983	ug/l #	28
13) Acrolein	2.488	56	20	Below Cal	#	1
14) Allyl chloride	2.761	41	2657	0.530	ug/l #	68
16) Acetone	2.626	43	6191	3.181	ug/l	96
18) Methyl Acetate	2.771	43	6690	1.369	ug/l #	51
25) 2-Butanone	4.800	43	144879	51.825	ug/l #	49
27) cis-1,2-Dichloroethene	4.665	96	35959	10.495	ug/l	89
29) Tetrahydrofuran	5.060	42	1693	0.961	ug/l #	40
31) Cyclohexane	5.369	56	5494	1.142	ug/l #	29
36) 1,1-Dichloropropene	5.375	75	19465	4.532	ug/l #	50
37) Ethyl Acetate	4.800	43	144879	26.682	ug/l	98
38) Carbon Tetrachloride	5.372	117	27340	5.548	ug/l #	17
41) Methacrylonitrile	5.063	41	871	0.317	ug/l #	40
44) Trichloroethene	6.543	130	4627	1.416	ug/l	95
76) 1,2,3-Trichloropropane	10.632	75	94758	17.415	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	94758	63.233	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.481	105	142	1.201	ug/l #	31
89) n-Butylbenzene	12.221	91	116	2.197	ug/l #	34
95) Naphthalene	14.098	128	1145	2.614	ug/l #	69

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

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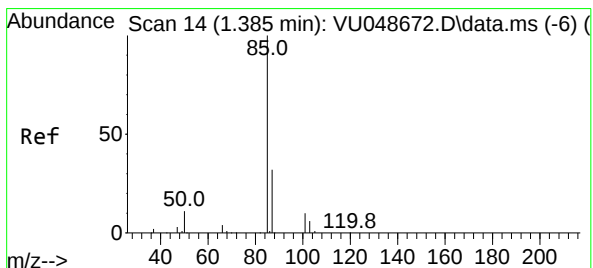
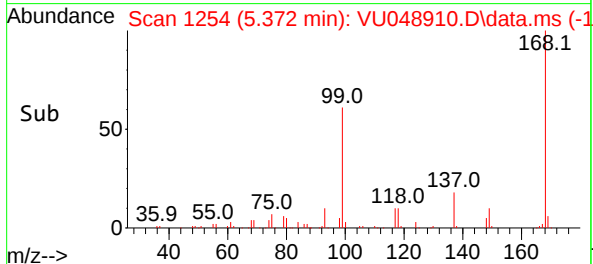
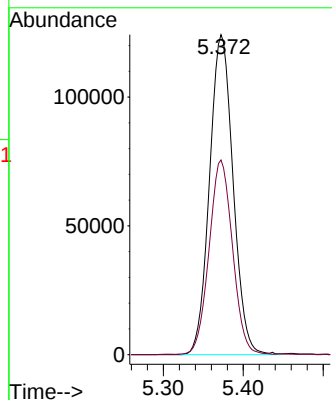
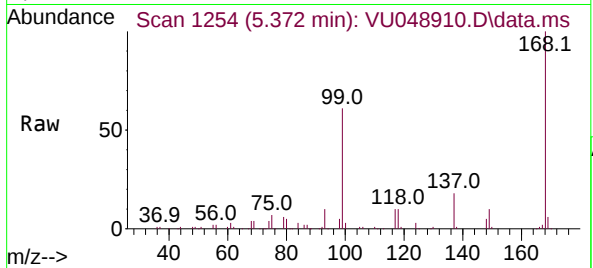




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

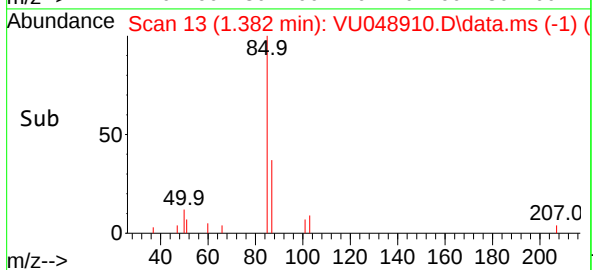
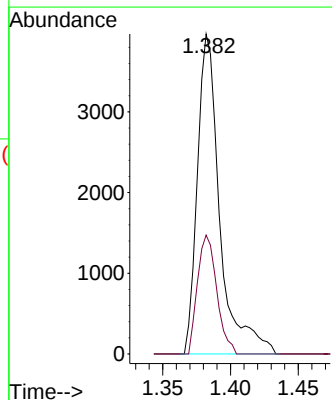
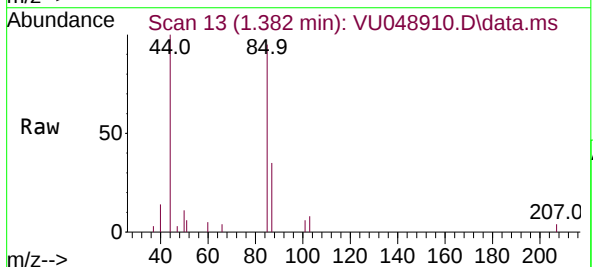
Instrument :
MSVOA_U
ClientSampleId :
65BR-20220531

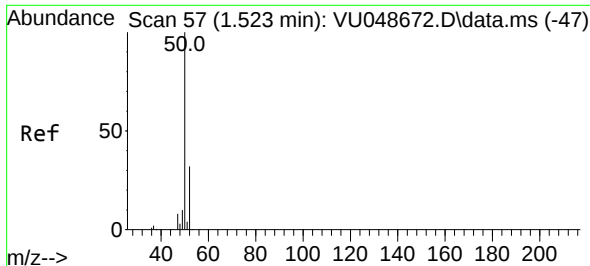
Tgt Ion:168 Resp: 254254
Ion Ratio Lower Upper
168 100
99 60.7 49.3 73.9



#2
Dichlorodifluoromethane
Concen: 1.567 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.003 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

Tgt Ion: 85 Resp: 4562
Ion Ratio Lower Upper
85 100
87 37.2 16.0 48.0

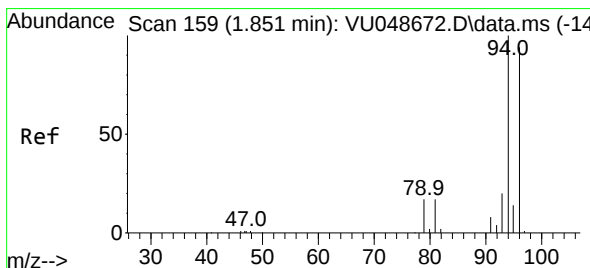
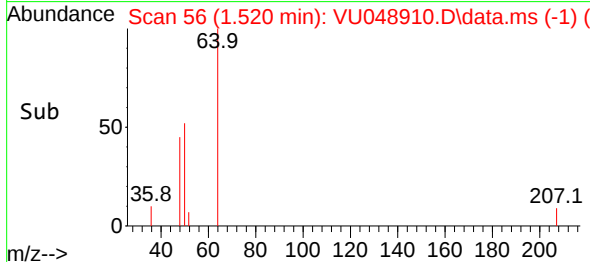
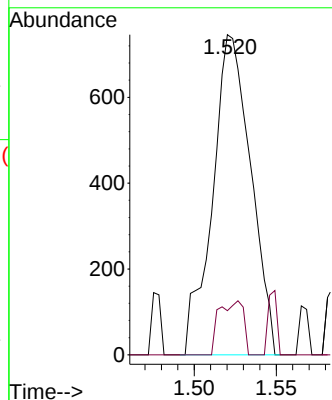
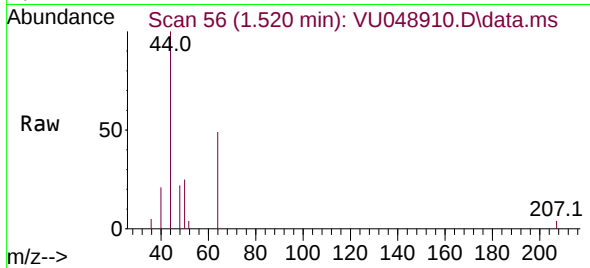




#3
Chloromethane
Concen: 0.323 ug/l
RT: 1.520 min Scan# 50
Delta R.T. -0.003 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

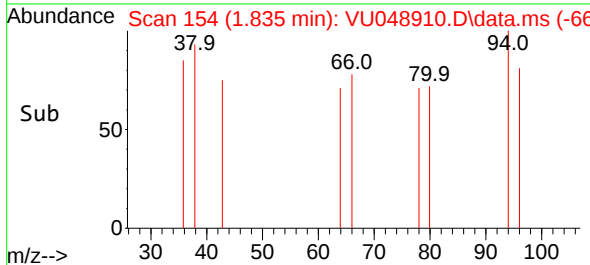
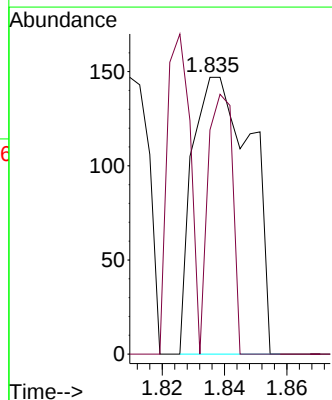
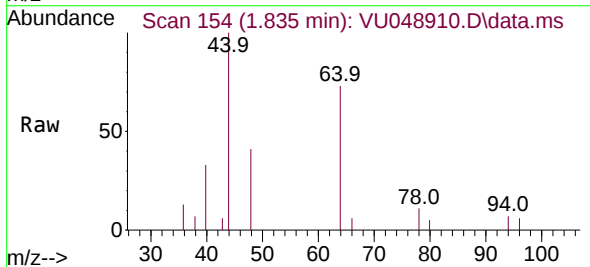
Instrument :
MSVOA_U
ClientSampleId :
65BR-20220531

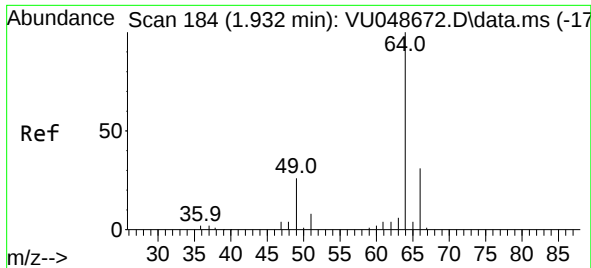
Tgt Ion: 50 Resp: 1212
Ion Ratio Lower Upper
50 100
52 13.8 25.7 38.5#



#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 154
Delta R.T. -0.016 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

Tgt Ion: 94 Resp: 192
Ion Ratio Lower Upper
94 100
96 81.0 75.1 112.7

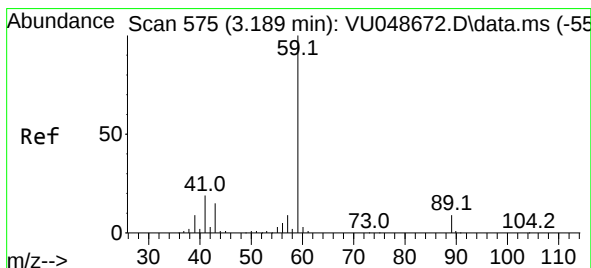
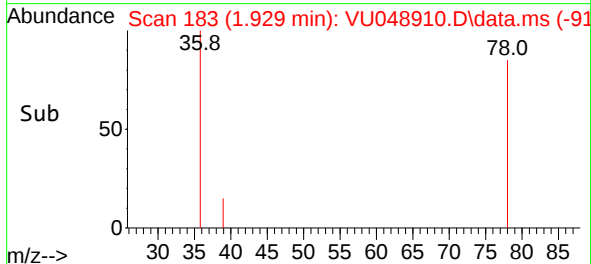
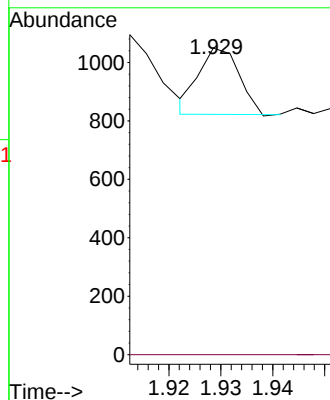
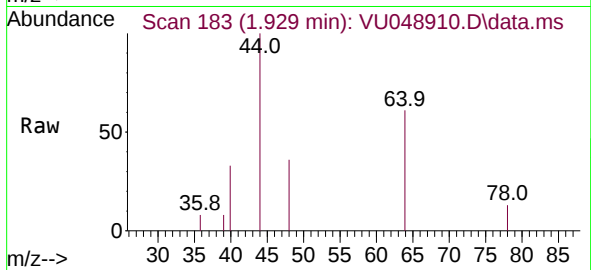




#6
Chloroethane
Concen: Below Cal
RT: 1.929 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

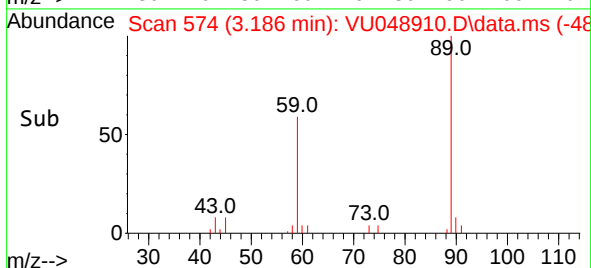
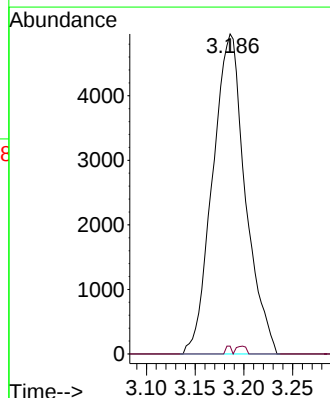
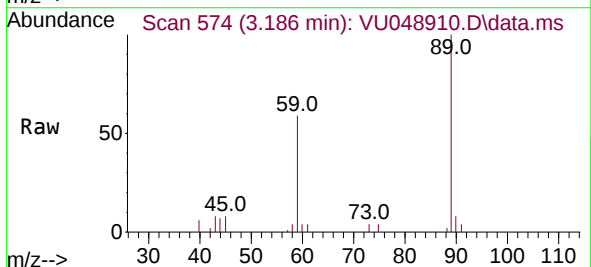
Instrument :
MSVOA_U
ClientSampleId :
65BR-20220531

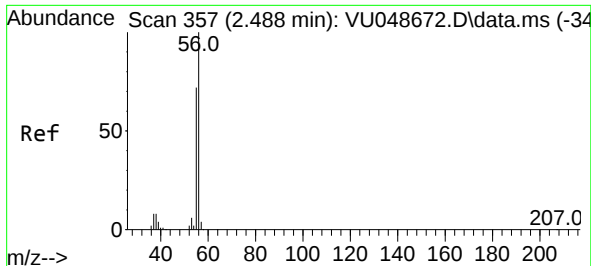
Tgt Ion: 64 Resp: 122
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 11.983 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.003 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

Tgt Ion: 59 Resp: 11600
Ion Ratio Lower Upper
59 100
57 0.4 39.7 59.5#

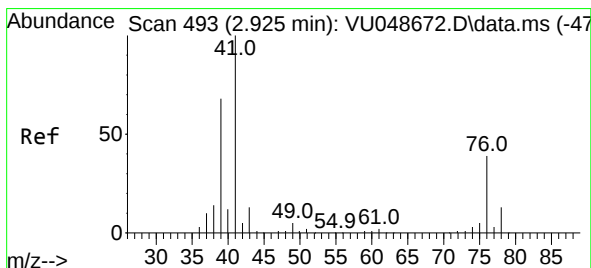
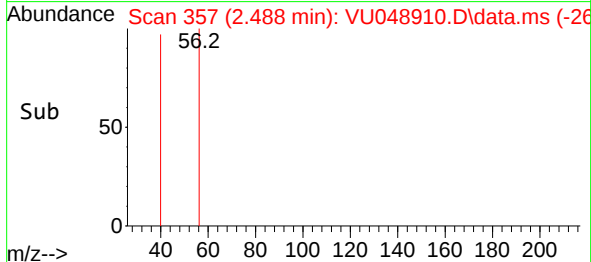
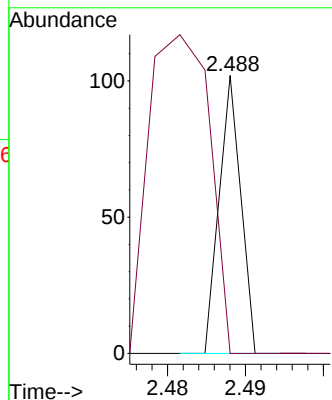
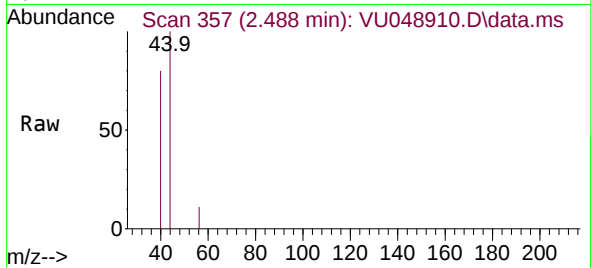




#13
Acrolein
Concen: Below Cal
RT: 2.488 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

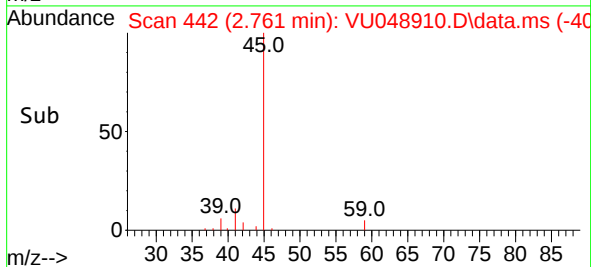
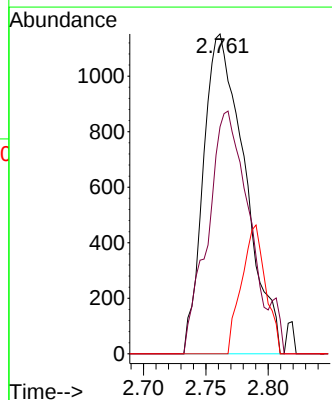
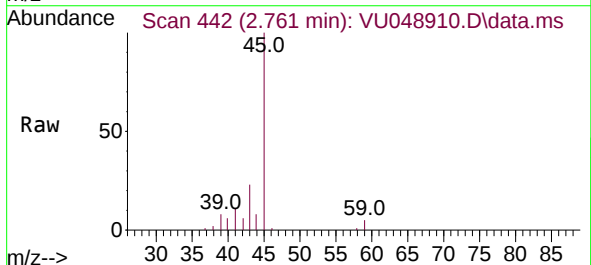
Instrument :
MSVOA_U
ClientSampleId :
65BR-20220531

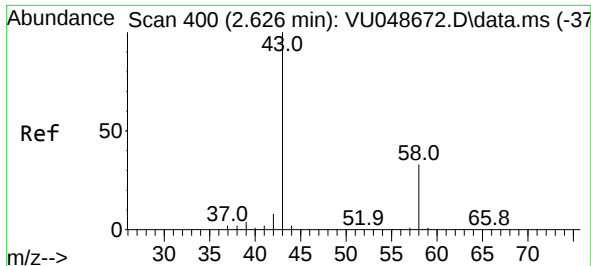
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 320.0 57.7 86.5#



#14
Allyl chloride
Concen: 0.530 ug/l
RT: 2.761 min Scan# 442
Delta R.T. -0.164 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

Tgt Ion: 41 Resp: 2657
Ion Ratio Lower Upper
41 100
39 74.0 48.6 72.8#
76 0.0 27.0 40.4#





#16

Acetone

Concen: 3.181 ug/l

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU048910.D

Acq: 07 Jun 2022 15:25

Instrument :

MSVOA_U

ClientSampleId :

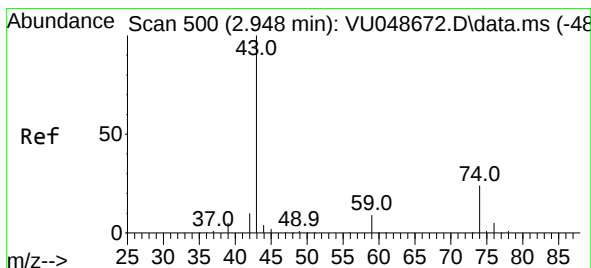
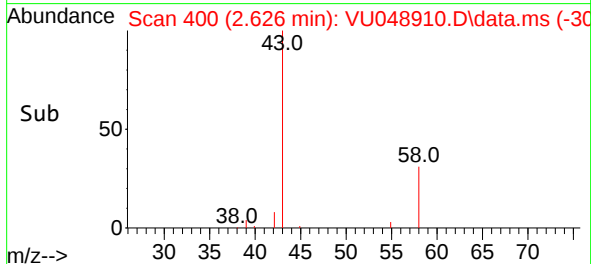
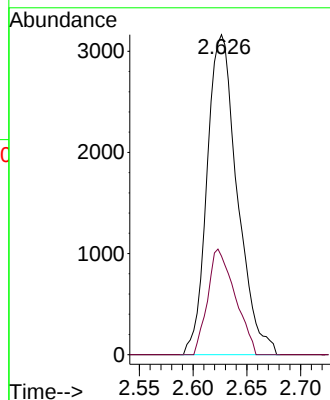
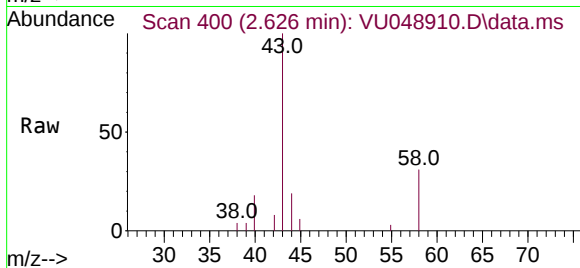
65BR-20220531

Tgt Ion: 43 Resp: 6191

Ion Ratio Lower Upper

43 100

58 30.8 26.3 39.5



#18

Methyl Acetate

Concen: 1.369 ug/l

RT: 2.771 min Scan# 445

Delta R.T. -0.177 min

Lab File: VU048910.D

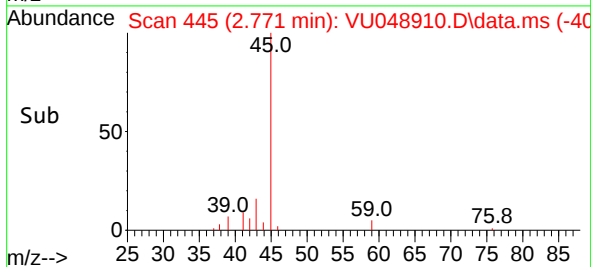
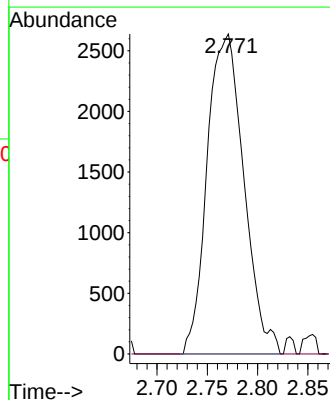
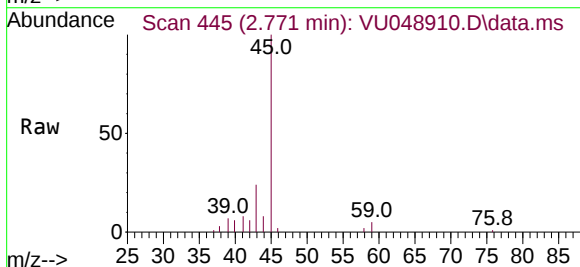
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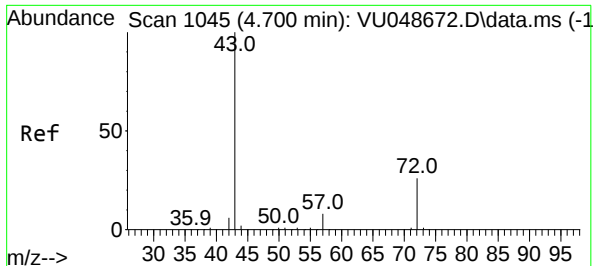
Tgt Ion: 43 Resp: 6690

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#





#25

2-Butanone

Concen: 51.825 ug/l

RT: 4.800 min Scan# 1076

Delta R.T. 0.100 min

Lab File: VU048910.D

Acq: 07 Jun 2022 15:25

Instrument :

MSVOA_U

ClientSampleId :

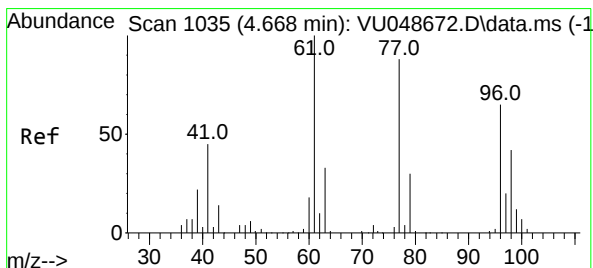
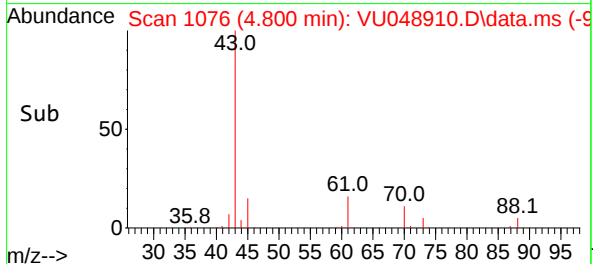
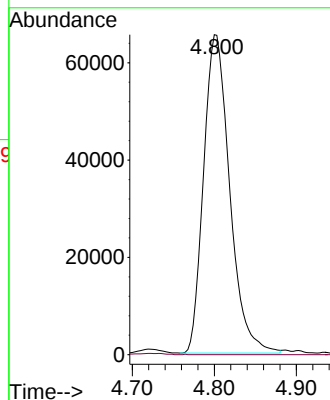
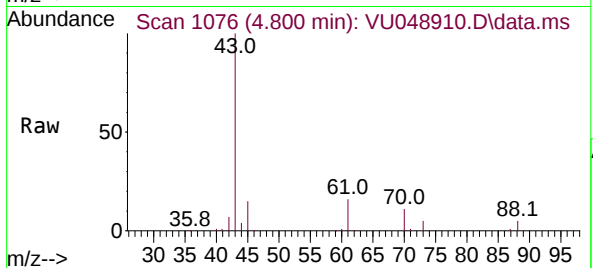
65BR-20220531

Tgt Ion: 43 Resp: 144879

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#27

cis-1,2-Dichloroethene

Concen: 10.495 ug/l

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU048910.D

Acq: 07 Jun 2022 15:25

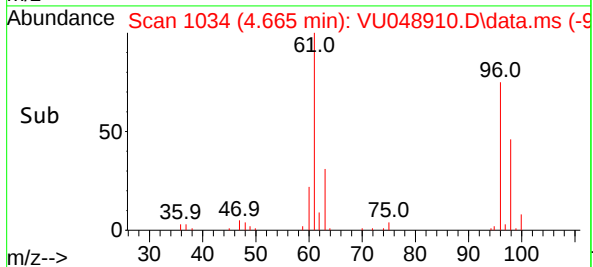
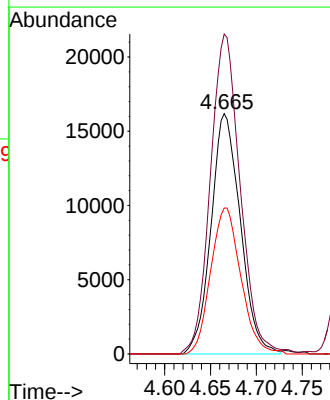
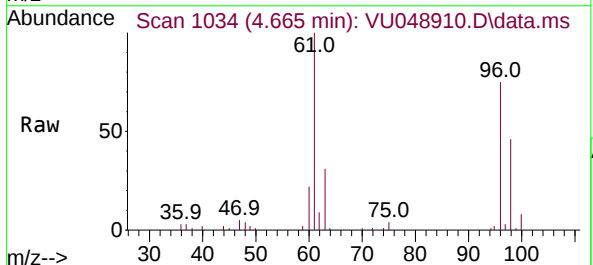
Tgt Ion: 96 Resp: 35959

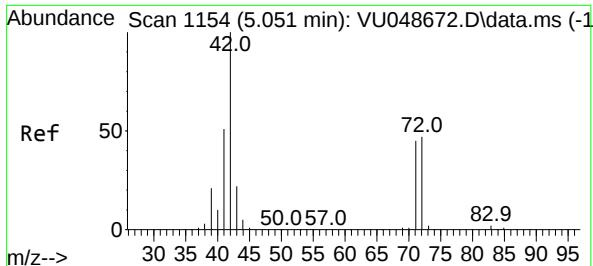
Ion Ratio Lower Upper

96 100

61 135.3 0.0 306.2

98 62.5 0.0 130.4





#29

Tetrahydrofuran

Concen: 0.961 ug/l

RT: 5.060 min Scan# 1154

Delta R.T. 0.010 min

Lab File: VU048910.D

Acq: 07 Jun 2022 15:25

Instrument :

MSVOA_U

ClientSampleId :

65BR-20220531

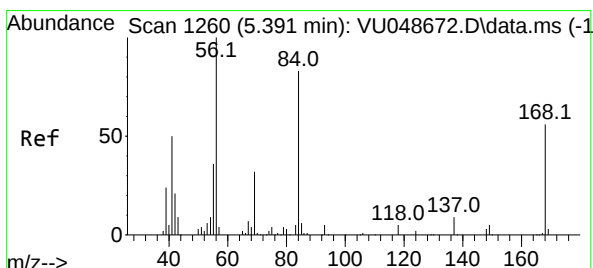
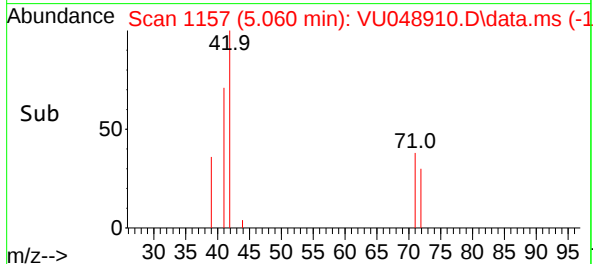
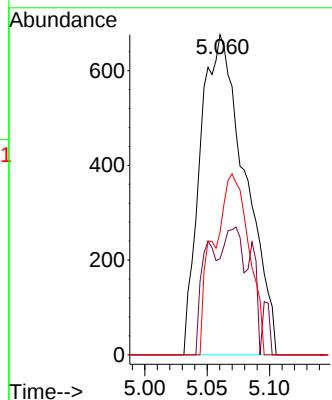
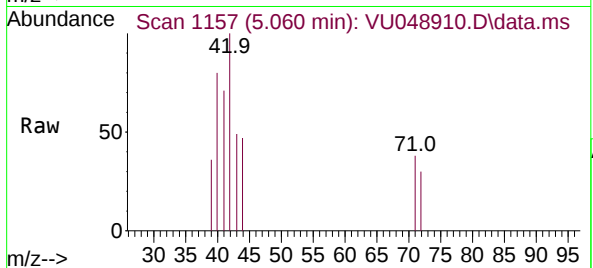
Tgt Ion: 42 Resp: 1693

Ion Ratio Lower Upper

42 100

72 11.8 37.6 56.4#

71 0.0 35.0 52.4#



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.022 min

Lab File: VU048910.D

Acq: 07 Jun 2022 15:25

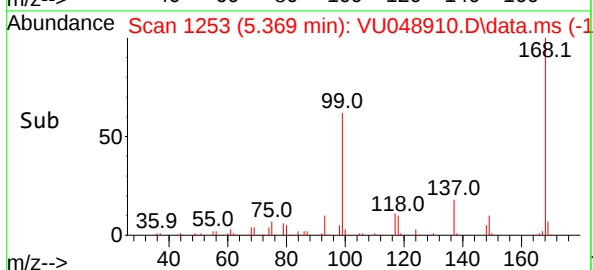
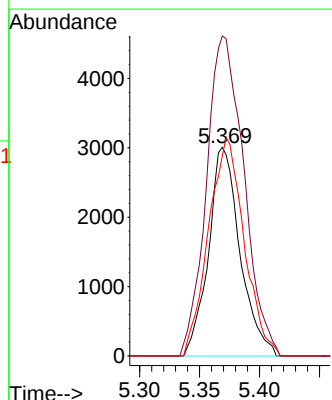
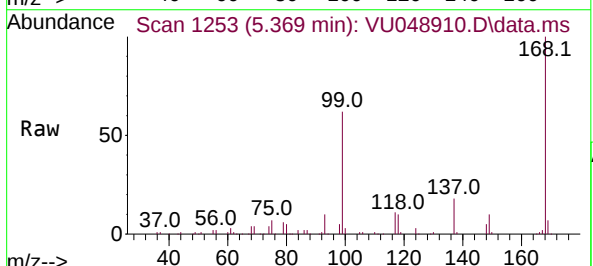
Tgt Ion: 56 Resp: 5494

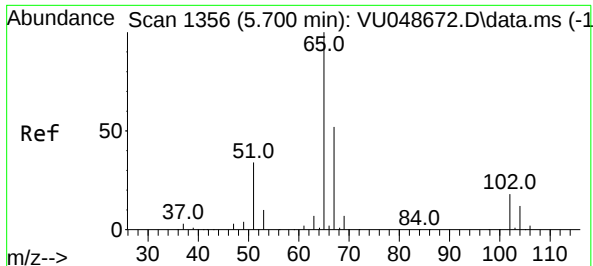
Ion Ratio Lower Upper

56 100

69 153.4 25.6 38.4#

84 95.8 66.2 99.4

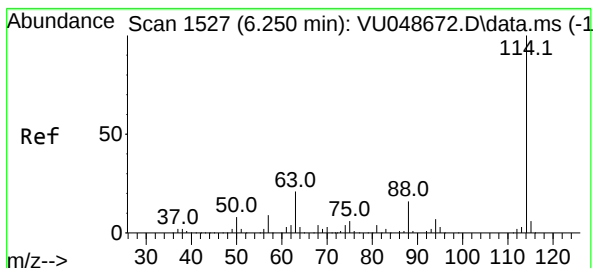
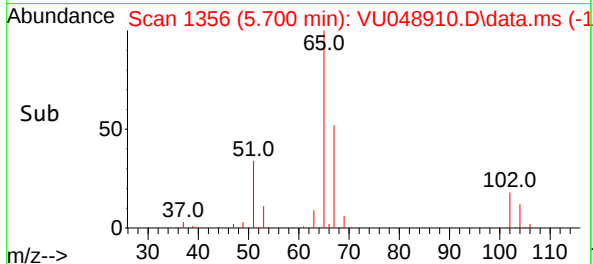
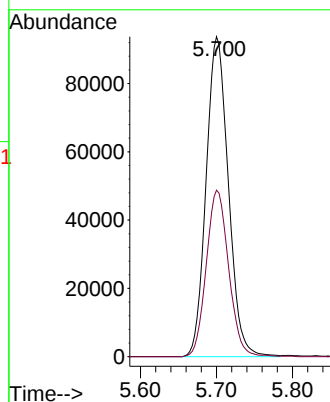
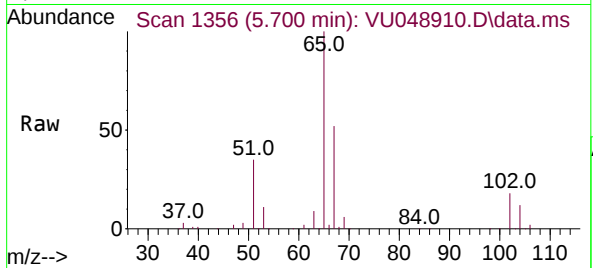




#33
 1,2-Dichloroethane-d4
 Concen: 49.874 ug/l
 RT: 5.700 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU048910.D
 Acq: 07 Jun 2022 15:25

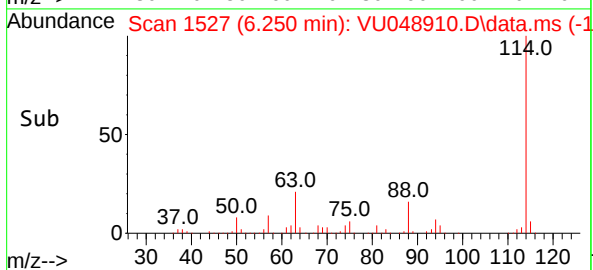
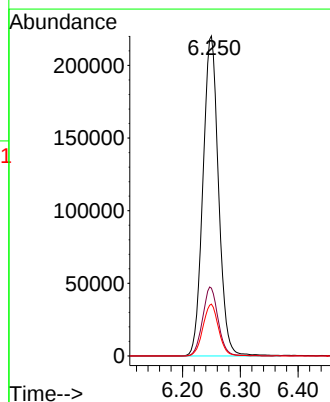
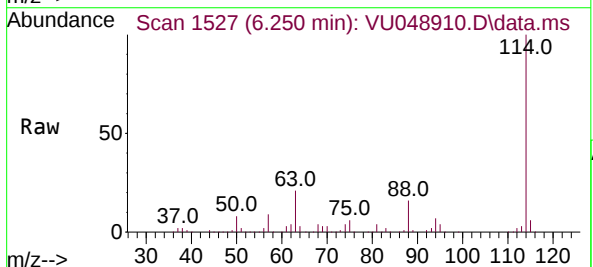
Instrument :
 MSVOA_U
 ClientSampleId :
 65BR-20220531

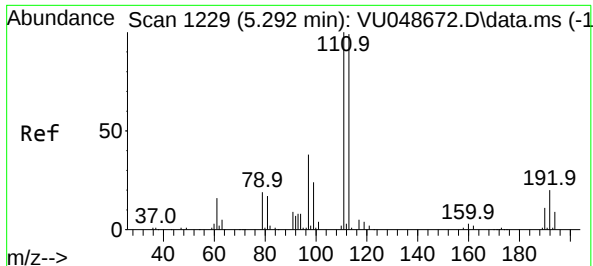
Tgt Ion: 65 Resp: 190440
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.250 min Scan# 1527
 Delta R.T. -0.000 min
 Lab File: VU048910.D
 Acq: 07 Jun 2022 15:25

Tgt Ion: 114 Resp: 412502
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.6
 88 16.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.692 ug/l

RT: 5.289 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048910.D

Acq: 07 Jun 2022 15:25

Instrument :

MSVOA_U

ClientSampleId :

65BR-20220531

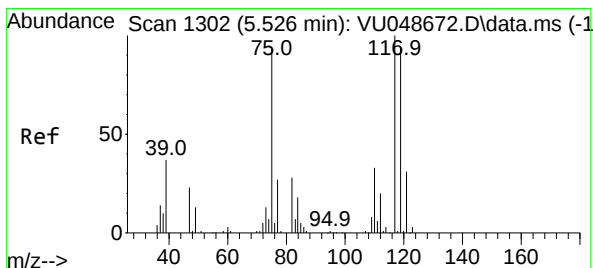
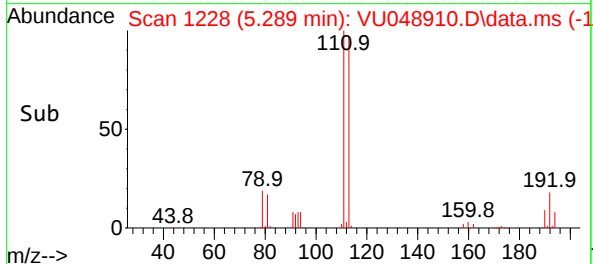
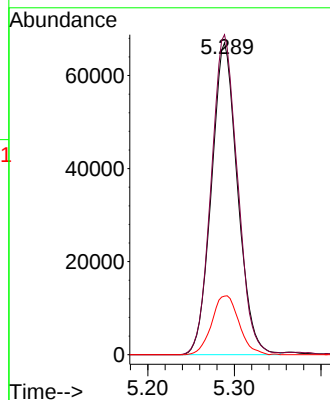
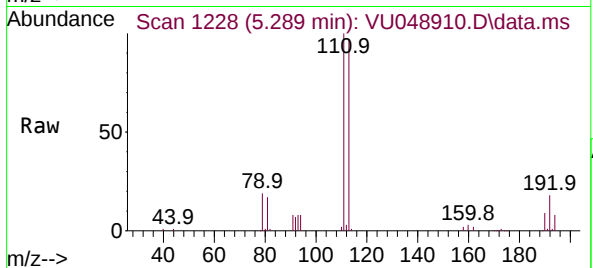
Tgt Ion:113 Resp: 140353

Ion Ratio Lower Upper

113 100

111 103.6 80.7 121.1

192 19.7 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.532 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048910.D

Acq: 07 Jun 2022 15:25

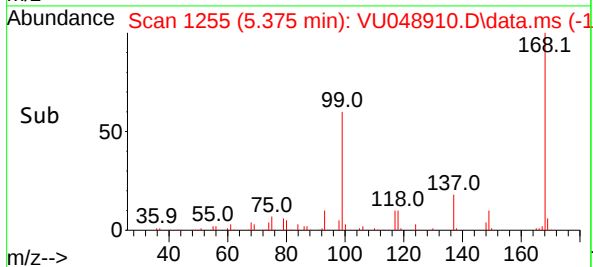
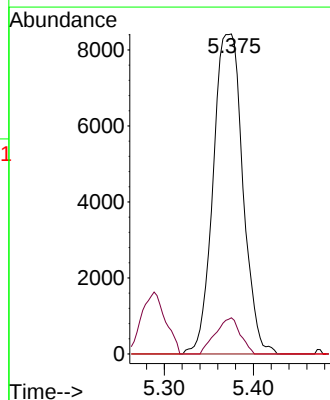
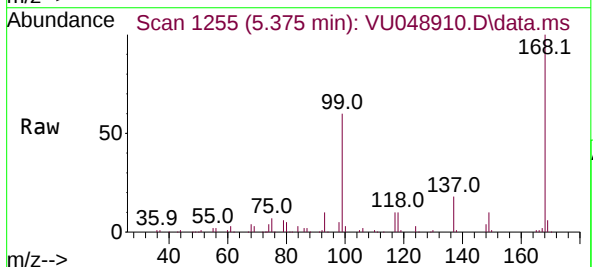
Tgt Ion: 75 Resp: 19465

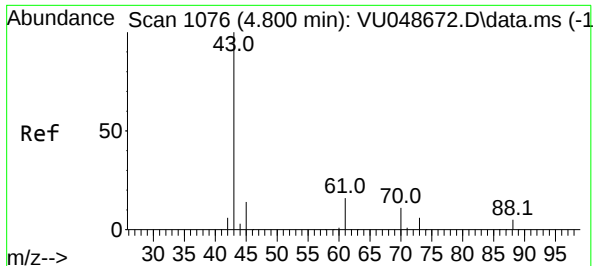
Ion Ratio Lower Upper

75 100

110 9.4 17.4 52.3#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 26.682 ug/l

RT: 4.800 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048910.D

Acq: 07 Jun 2022 15:25

Instrument :

MSVOA_U

ClientSampleId :

65BR-20220531

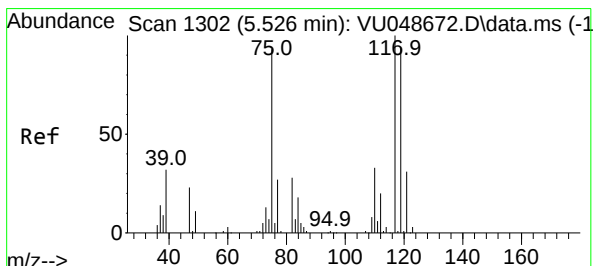
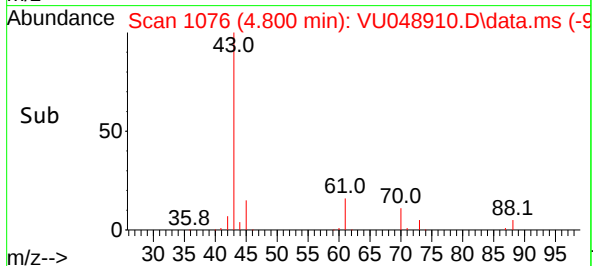
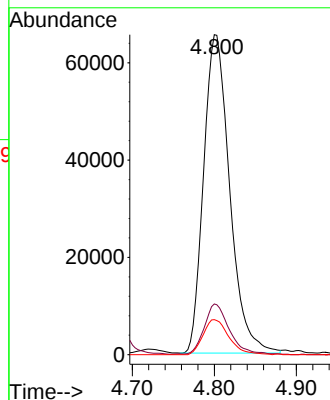
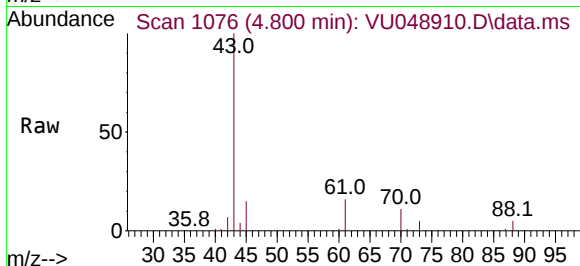
Tgt Ion: 43 Resp: 144879

Ion Ratio Lower Upper

43 100

61 15.5 11.7 17.5

70 10.9 8.4 12.6



#38

Carbon Tetrachloride

Concen: 5.548 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048910.D

Acq: 07 Jun 2022 15:25

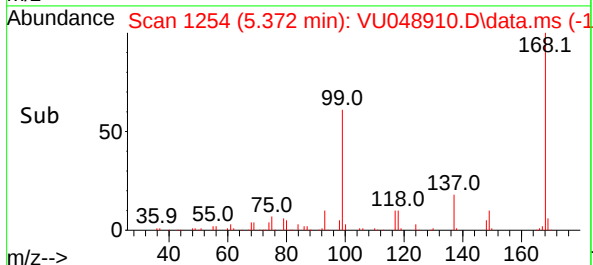
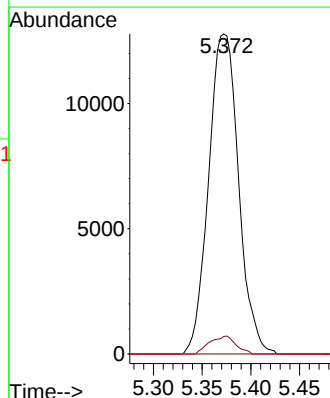
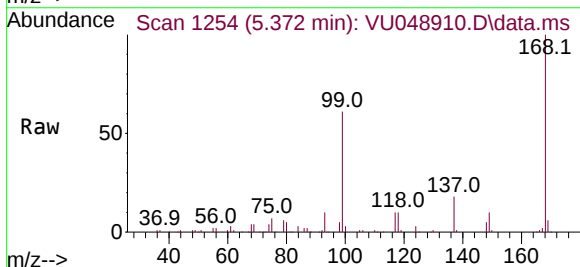
Tgt Ion: 117 Resp: 27340

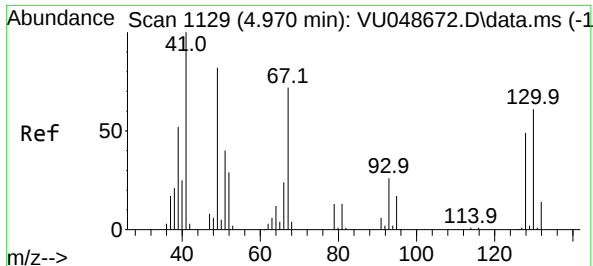
Ion Ratio Lower Upper

117 100

119 5.4 75.4 113.2#

121 0.0 24.6 36.8#

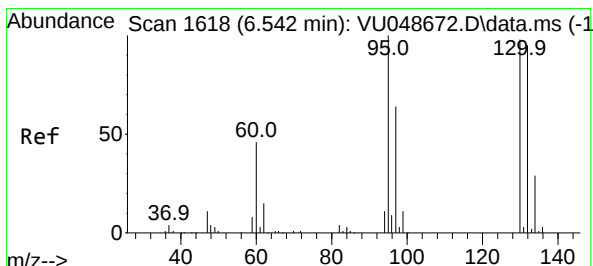
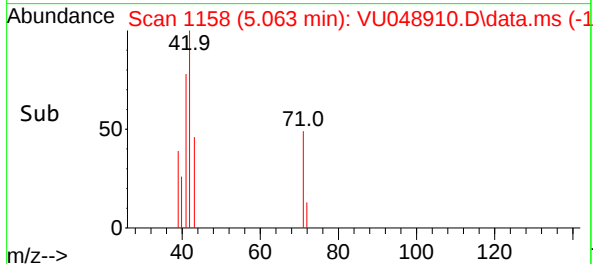
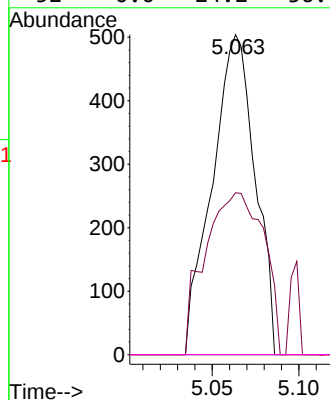
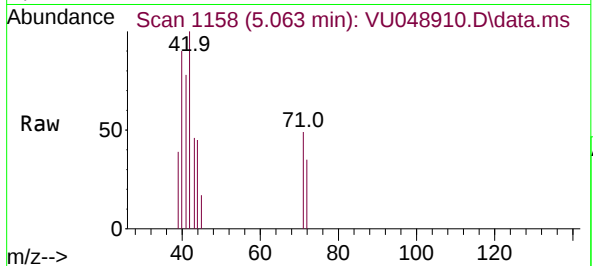




#41
Methacrylonitrile
Concen: 0.317 ug/l
RT: 5.063 min Scan# 1129
Delta R.T. 0.093 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

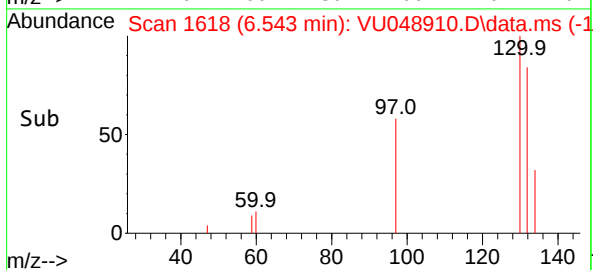
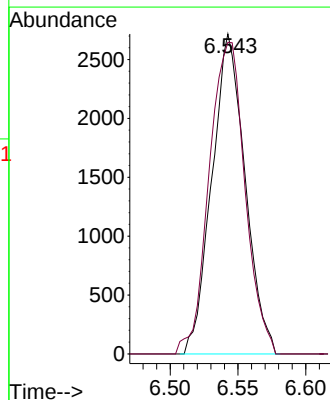
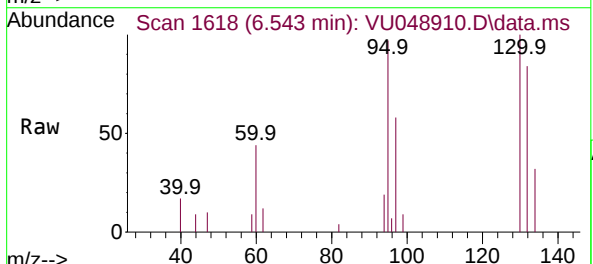
Instrument :
MSVOA_U
ClientSampleId :
65BR-20220531

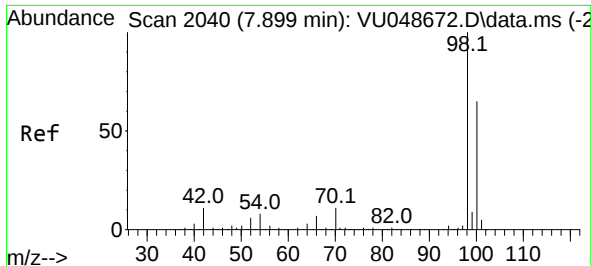
Tgt Ion: 41	Resp: 871
Ion Ratio	Lower Upper
41 100	
39 69.0	42.6 64.0#
67 0.0	61.0 91.4#
52 0.0	24.2 36.4#



#44
Trichloroethene
Concen: 1.416 ug/l
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

Tgt Ion:130	Resp:	4627	
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	204.8

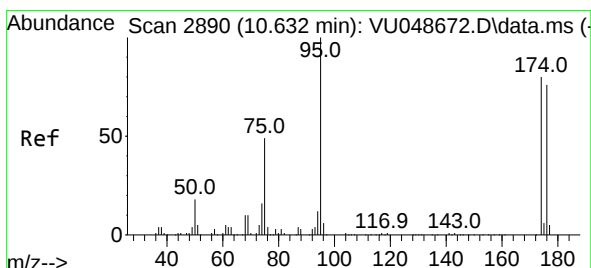
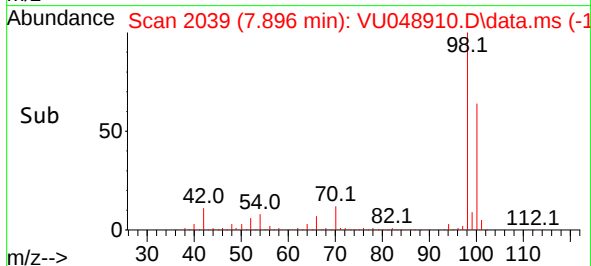
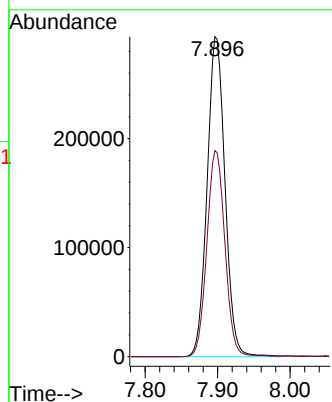
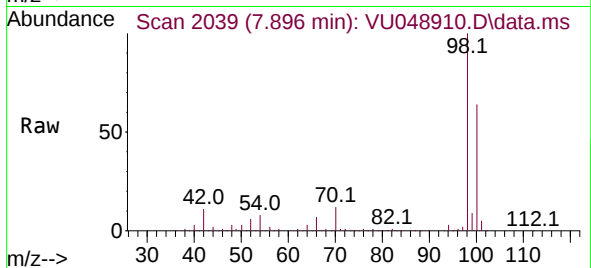




#50
Toluene-d8
Concen: 47.705 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

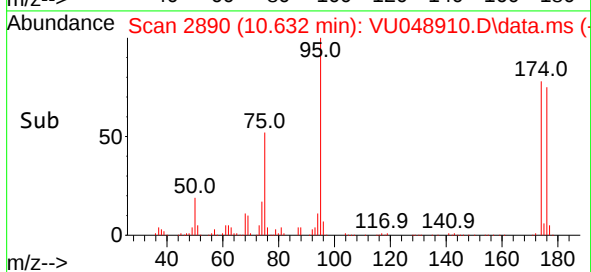
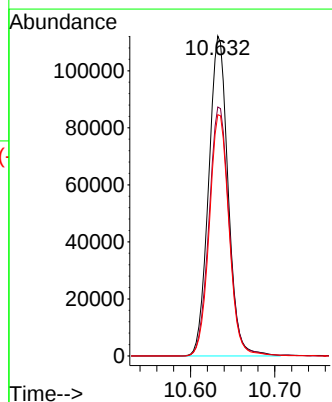
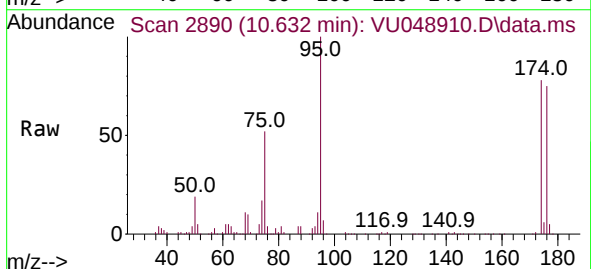
Instrument :
MSVOA_U
ClientSampleId :
65BR-20220531

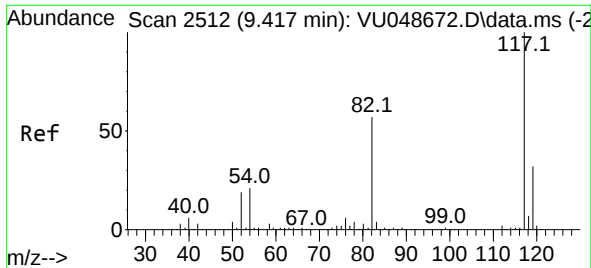
Tgt Ion: 98 Resp: 503248
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 45.202 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

Tgt Ion: 95 Resp: 180338
Ion Ratio Lower Upper
95 100
174 80.4 0.0 159.4
176 76.3 0.0 152.4

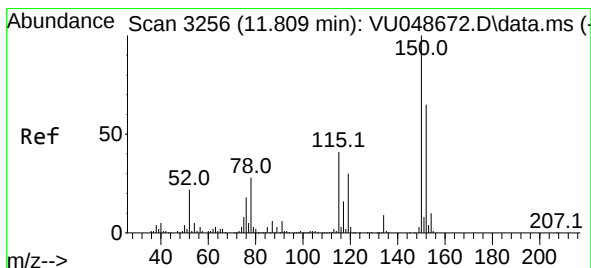
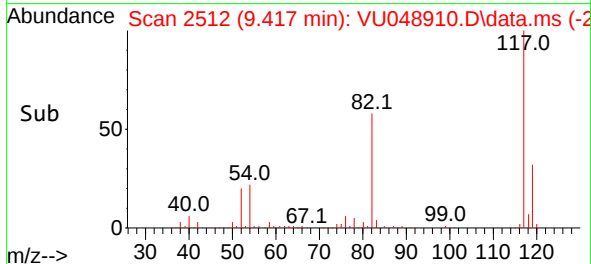
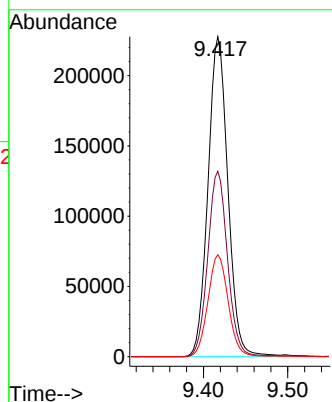
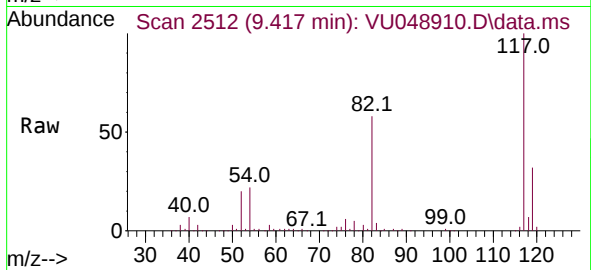




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. 0.000 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

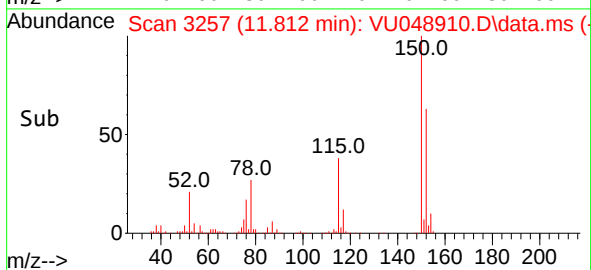
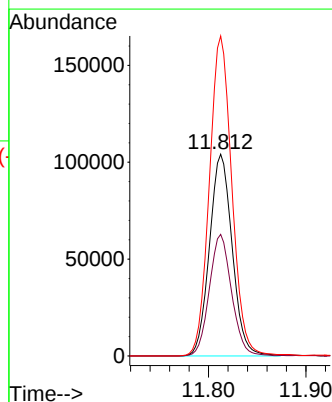
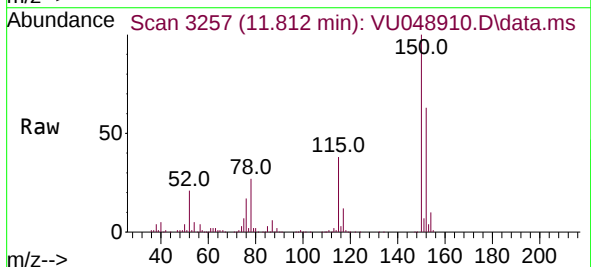
Instrument :
MSVOA_U
ClientSampleId :
65BR-20220531

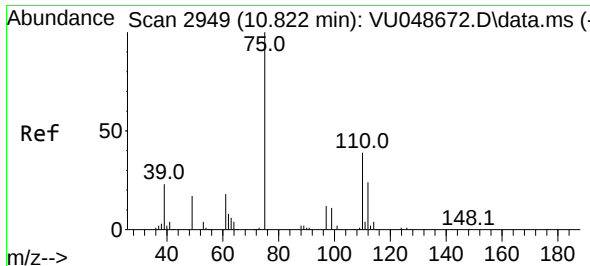
Tgt Ion:117 Resp: 373911
Ion Ratio Lower Upper
117 100
82 58.0 45.3 67.9
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

Tgt Ion:152 Resp: 168754
Ion Ratio Lower Upper
152 100
115 58.9 41.8 125.4
150 156.5 0.0 341.0

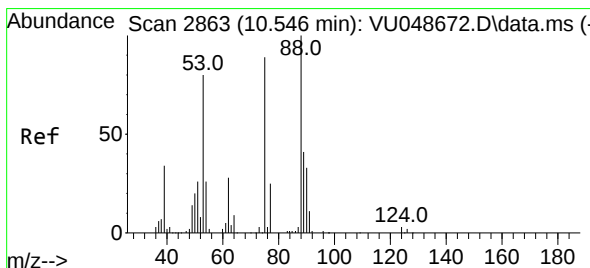
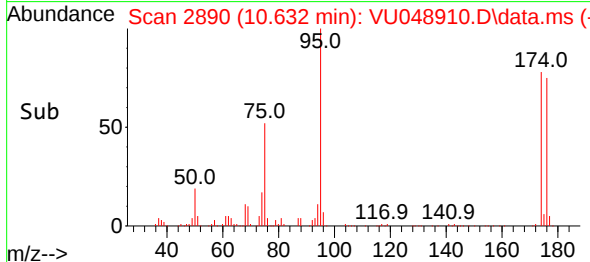
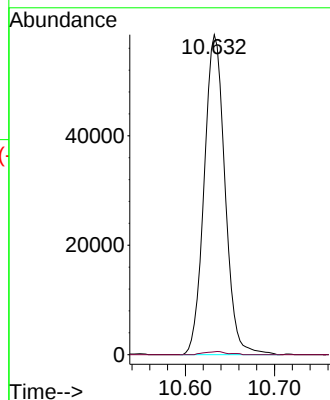
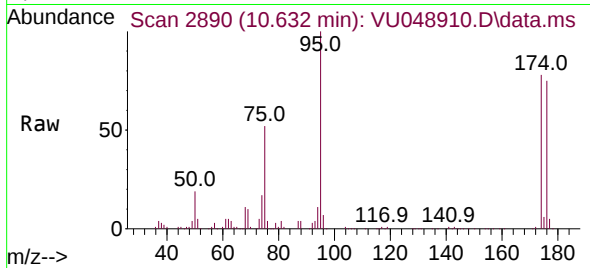




#76
1,2,3-Trichloropropane
Concen: 17.415 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

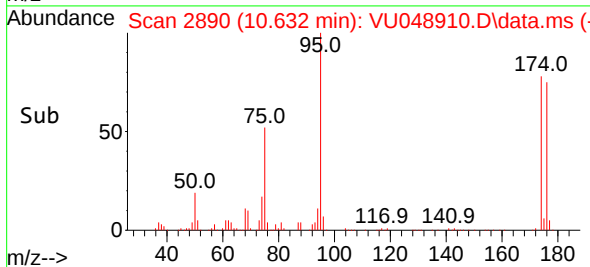
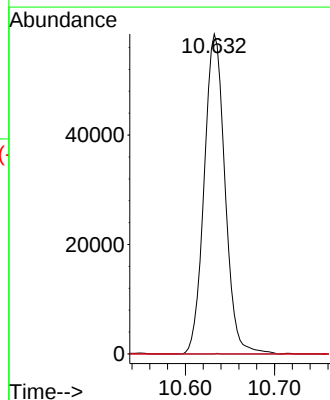
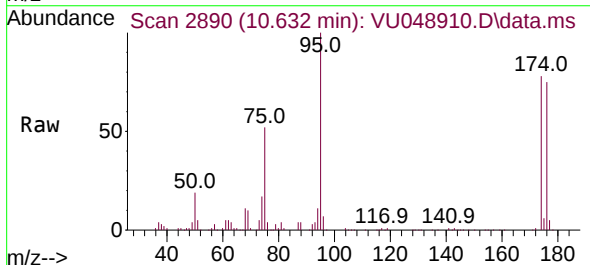
Instrument :
MSVOA_U
ClientSampleId :
65BR-20220531

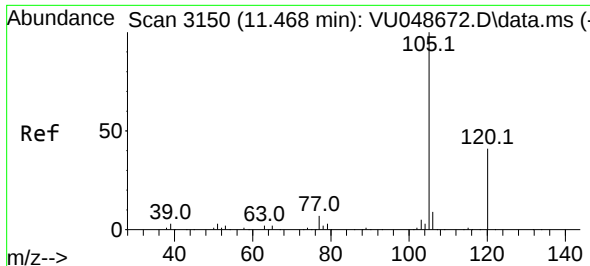
Tgt Ion: 75 Resp: 94758
Ion Ratio Lower Upper
75 100
77 1.0 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.233 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

Tgt Ion: 75 Resp: 94758
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

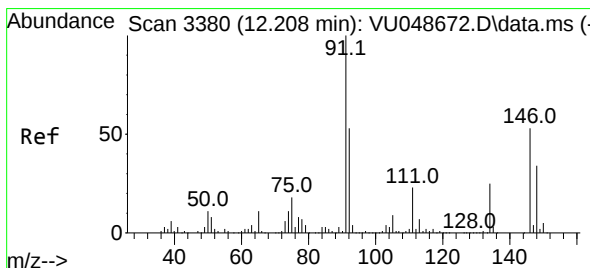
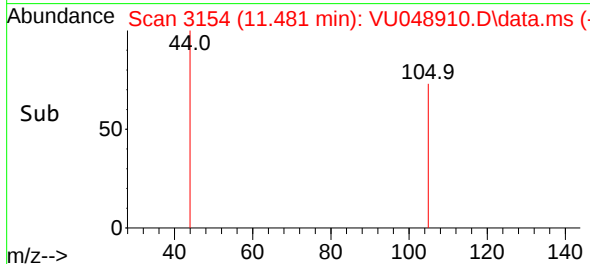
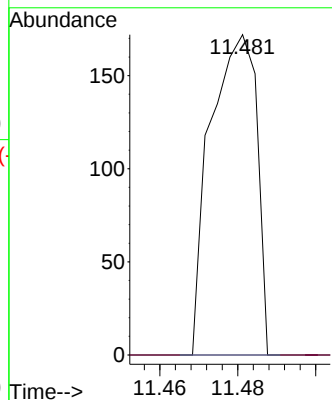
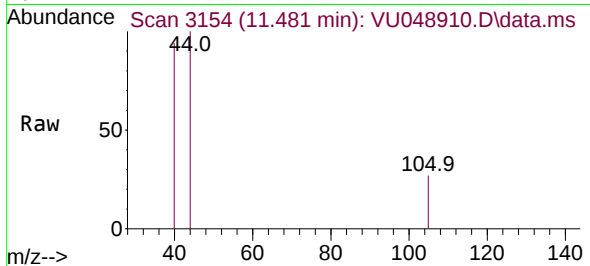




#84
1,2,4-Trimethylbenzene
Concen: 1.201 ug/l
RT: 11.481 min Scan# 3154
Delta R.T. 0.013 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

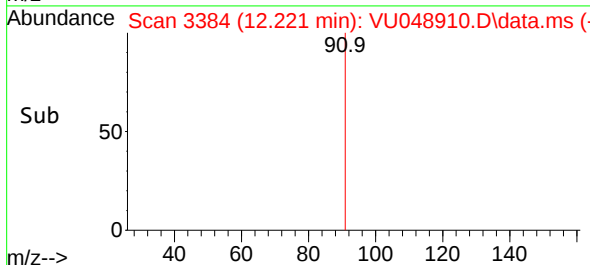
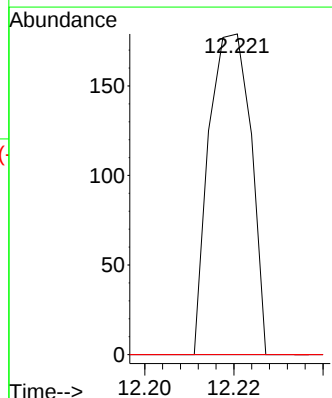
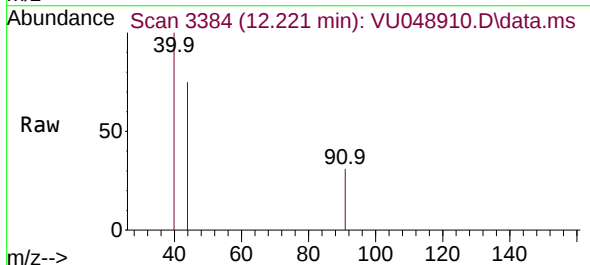
Instrument :
MSVOA_U
ClientSampleId :
65BR-20220531

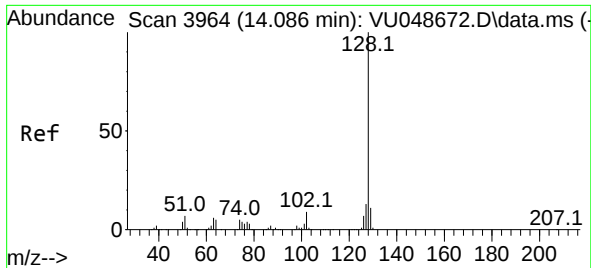
Tgt Ion:105 Resp: 142
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#



#89
n-Butylbenzene
Concen: 2.197 ug/l
RT: 12.221 min Scan# 3384
Delta R.T. 0.013 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

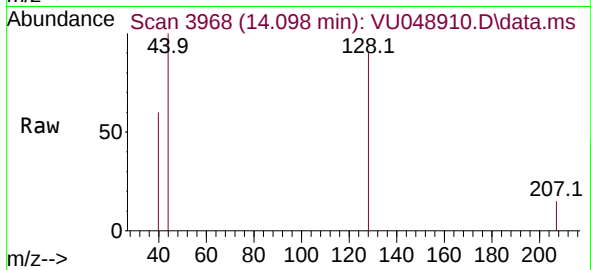
Tgt Ion: 91 Resp: 116
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#





#95
Naphthalene
Concen: 2.614 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.012 min
Lab File: VU048910.D
Acq: 07 Jun 2022 15:25

Instrument :
MSVOA_U
ClientSampleId :
65BR-20220531



Tgt Ion:128 Resp: 1145
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

