

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048911.D
 Acq On : 07 Jun 2022 15:49
 Operator : SY/MD
 Sample : N3165-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 66BR-20220531

Quant Time: Jun 08 04:53:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

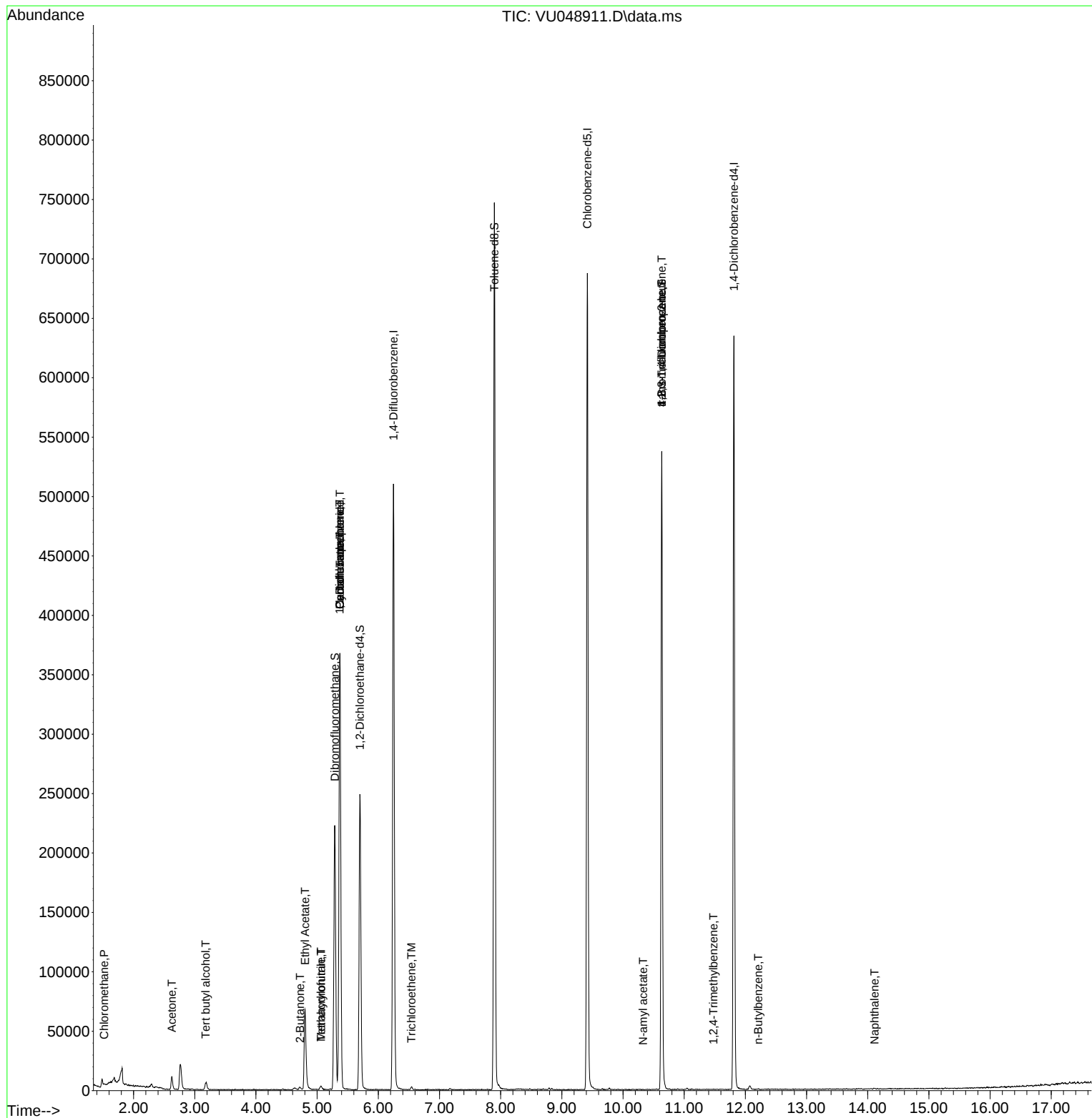
Internal Standards						
1) Pentafluorobenzene	5.372	168	246197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	412422	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	374814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	168432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	188377	50.948	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.900%
35) Dibromofluoromethane	5.288	113	141376	48.049	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.100%
50) Toluene-d8	7.896	98	492064	46.654	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.300%
62) 4-Bromofluorobenzene	10.632	95	179781	45.071	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.140%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	794	0.219	ug/l	96
5) Bromomethane	1.832	94	203	Below Cal		96
6) Chloroethane	1.944	64	351	Below Cal	#	43
11) Tert butyl alcohol	3.179	59	2231	2.380	ug/l #	28
13) Acrolein	2.488	56	76	Below Cal	#	14
16) Acetone	2.623	43	12653	6.715	ug/l #	88
25) 2-Butanone	4.719	43	3282	1.212	ug/l	93
29) Tetrahydrofuran	5.063	42	2167	1.271	ug/l #	54
31) Cyclohexane	5.372	56	5199	1.116	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	19997	4.657	ug/l #	50
37) Ethyl Acetate	4.803	43	87829	16.179	ug/l	99
38) Carbon Tetrachloride	5.372	117	25624	5.201	ug/l #	18
41) Methacrylonitrile	5.063	41	1294	0.472	ug/l #	33
44) Trichloroethene	6.542	130	783	0.240	ug/l	89
74) N-amyl acetate	10.327	43	19	2.470	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	93346	17.189	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	93346	62.410	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.478	105	43	1.191	ug/l #	31
89) n-Butylbenzene	12.211	91	49	2.190	ug/l #	34
95) Naphthalene	14.111	128	995	2.604	ug/l #	72

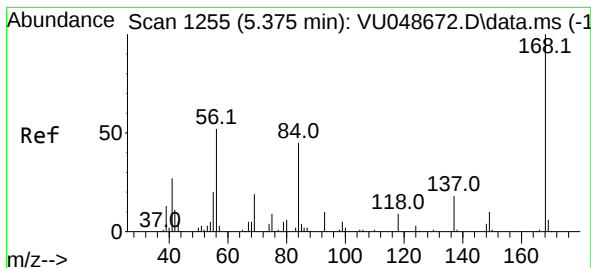
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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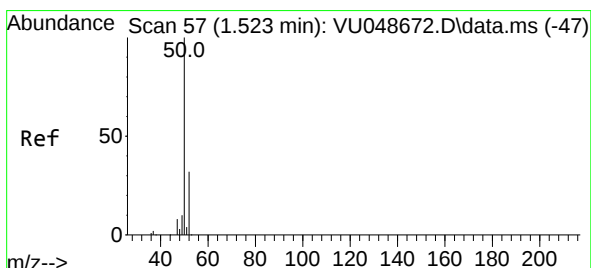
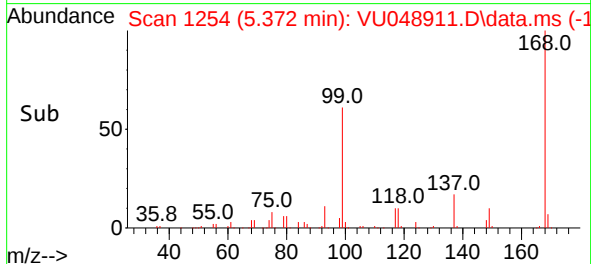
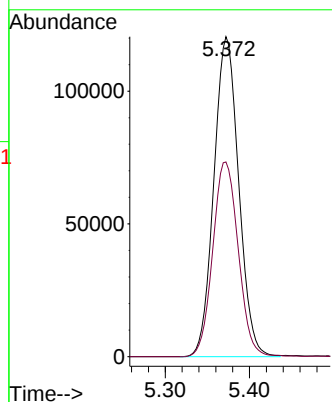
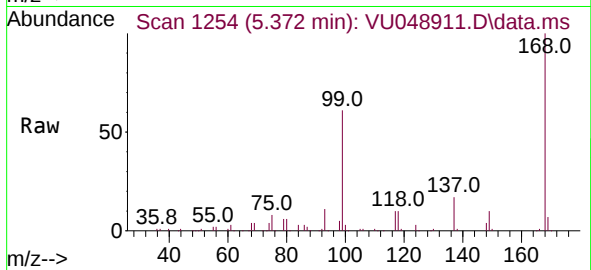




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

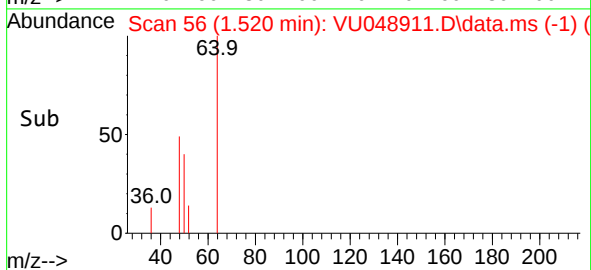
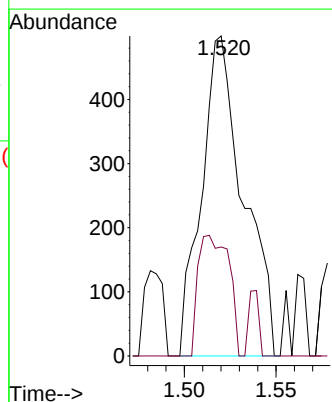
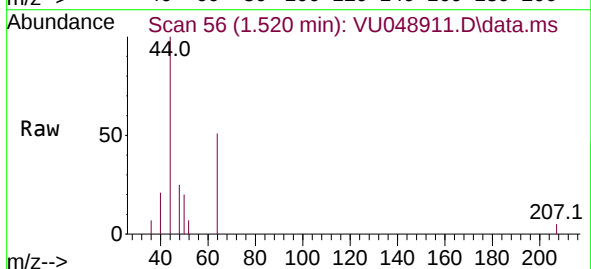
Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

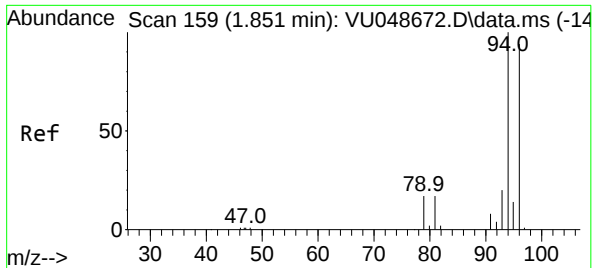
Tgt Ion:168 Resp: 246197
Ion Ratio Lower Upper
168 100
99 60.8 49.3 73.9



#3
Chloromethane
Concen: 0.219 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

Tgt Ion: 50 Resp: 794
Ion Ratio Lower Upper
50 100
52 34.1 25.7 38.5

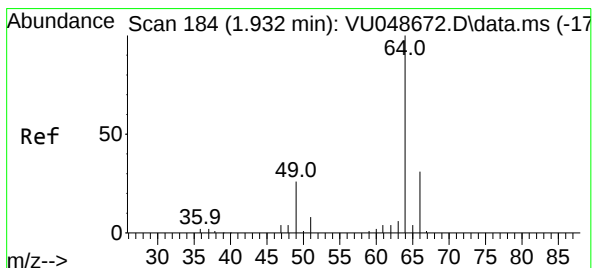
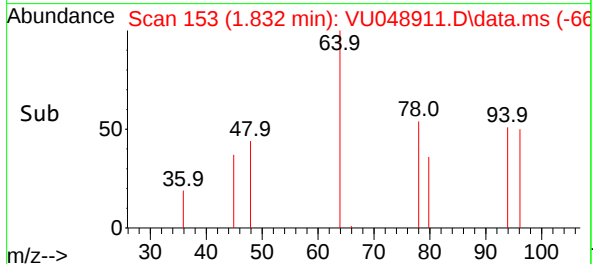
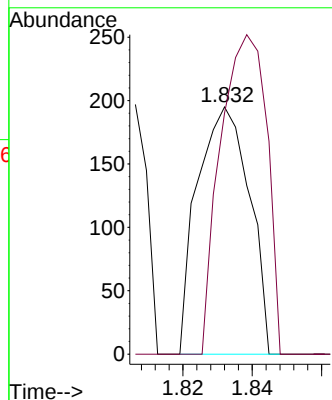
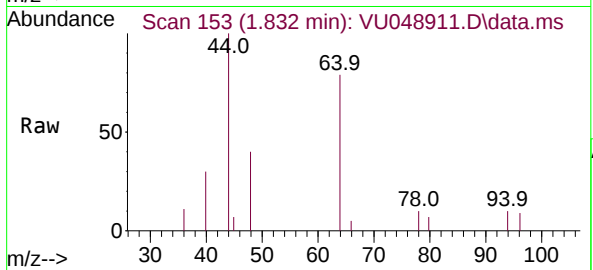




#5
Bromomethane
Concen: Below Cal
RT: 1.832 min Scan# 11
Delta R.T. -0.019 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

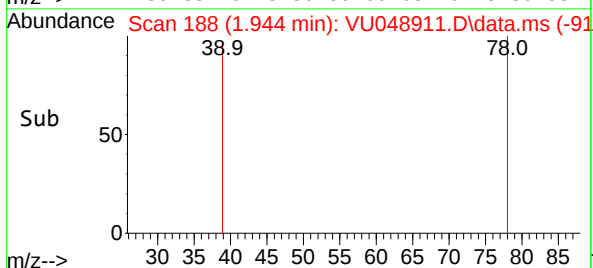
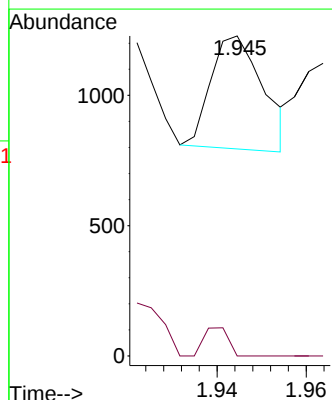
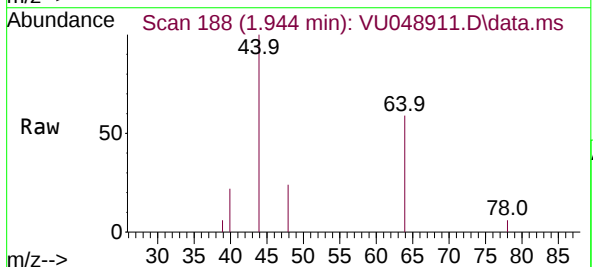
Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

Tgt Ion: 94 Resp: 203
Ion Ratio Lower Upper
94 100
96 97.4 75.1 112.7



#6
Chloroethane
Concen: Below Cal
RT: 1.944 min Scan# 188
Delta R.T. 0.012 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

Tgt Ion: 64 Resp: 351
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

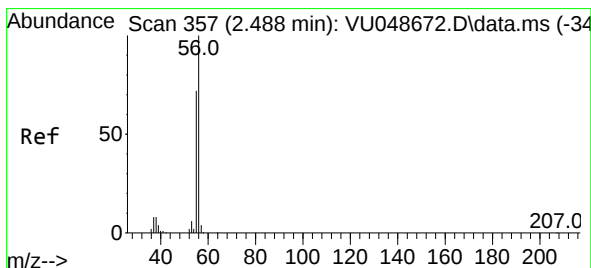
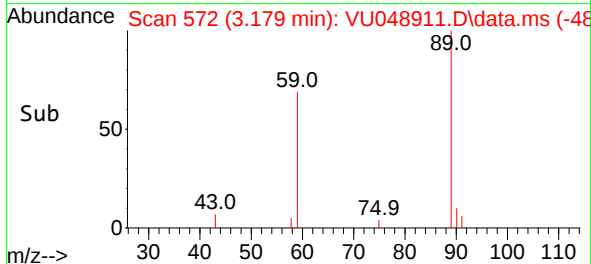
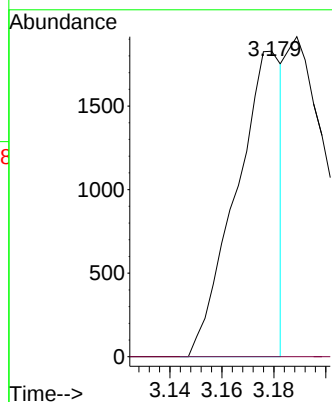
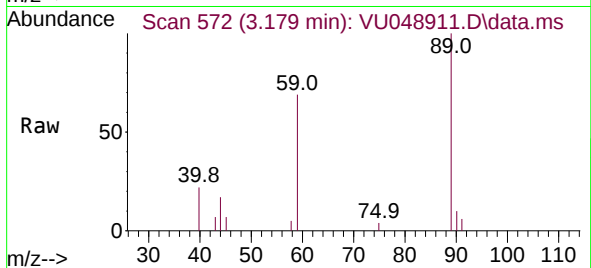




#11
Tert butyl alcohol
Concen: 2.380 ug/l
RT: 3.179 min Scan# 51
Delta R.T. -0.010 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

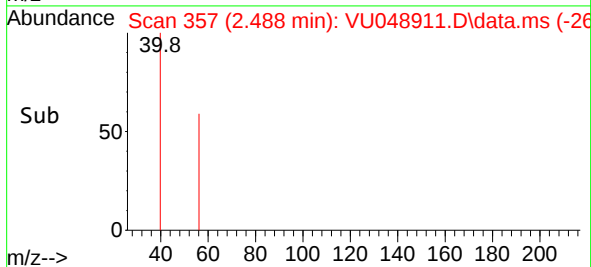
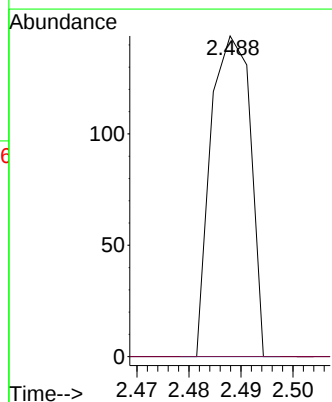
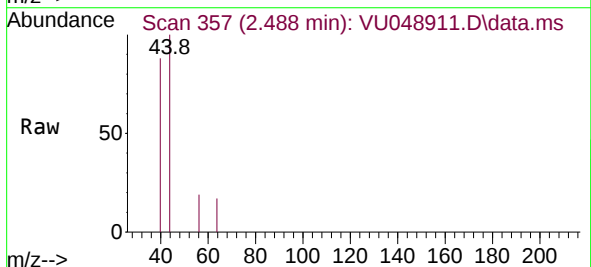
Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

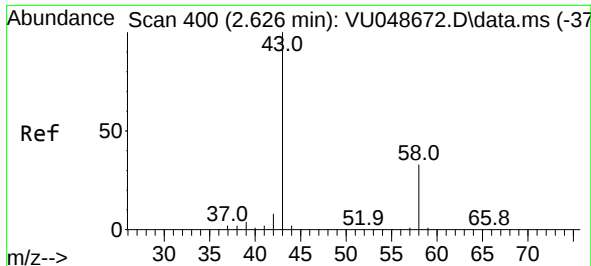
Tgt Ion: 59 Resp: 2231
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.488 min Scan# 357
Delta R.T. -0.000 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

Tgt Ion: 56 Resp: 76
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#

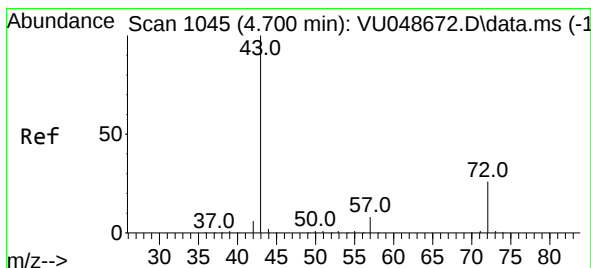
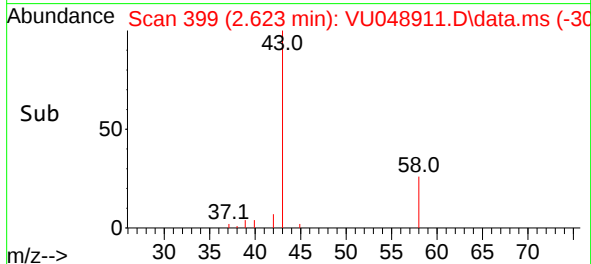
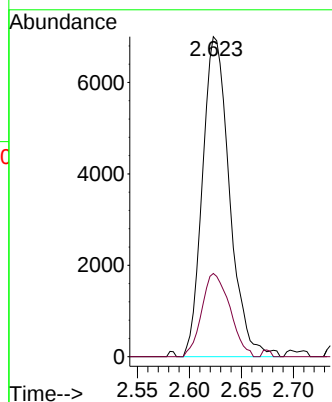
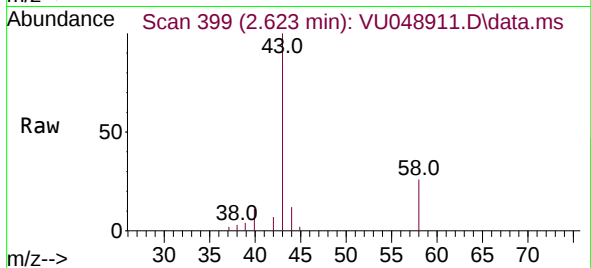




#16
Acetone
Concen: 6.715 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

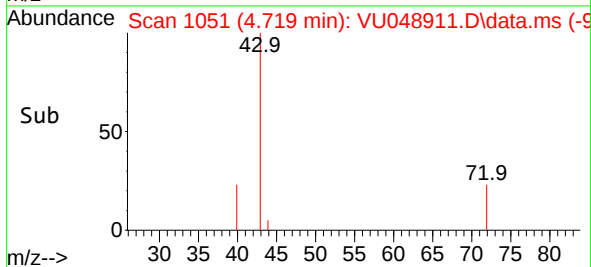
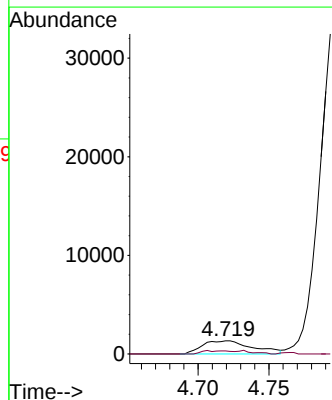
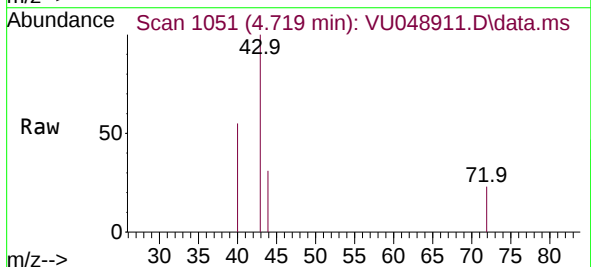
Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

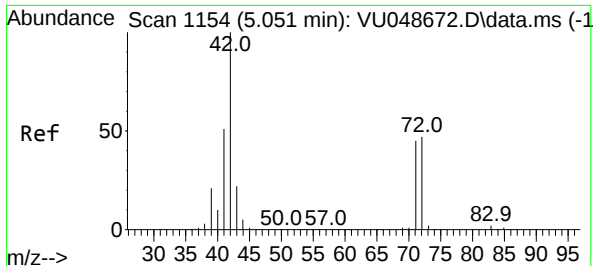
Tgt Ion: 43 Resp: 12653
Ion Ratio Lower Upper
43 100
58 26.0 26.3 39.5#



#25
2-Butanone
Concen: 1.212 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.019 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

Tgt Ion: 43 Resp: 3282
Ion Ratio Lower Upper
43 100
72 22.9 21.1 31.7





#29

Tetrahydrofuran

Concen: 1.271 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.013 min

Lab File: VU048911.D

Acq: 07 Jun 2022 15:49

Instrument :

MSVOA_U

ClientSampleId :

66BR-20220531

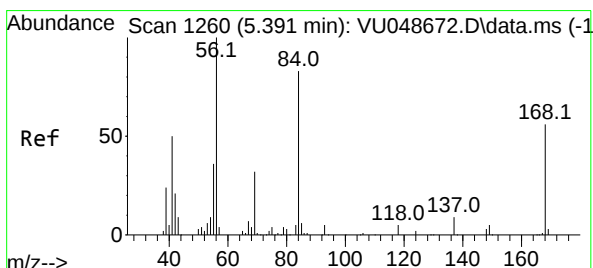
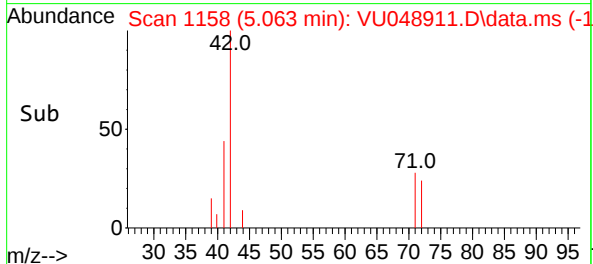
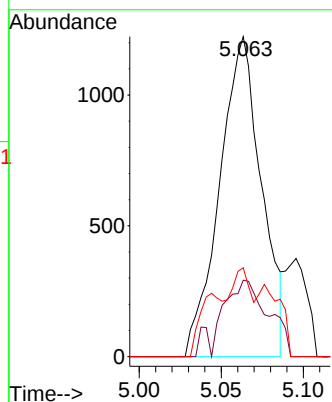
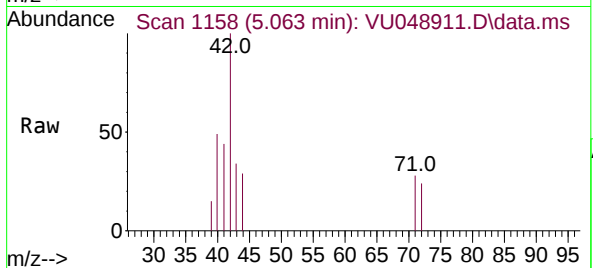
Tgt Ion: 42 Resp: 2167

Ion Ratio Lower Upper

42 100

72 24.7 37.6 56.4#

71 6.0 35.0 52.4#



#31

Cyclohexane

Concen: 1.116 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048911.D

Acq: 07 Jun 2022 15:49

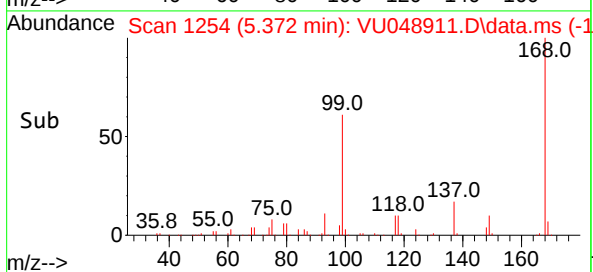
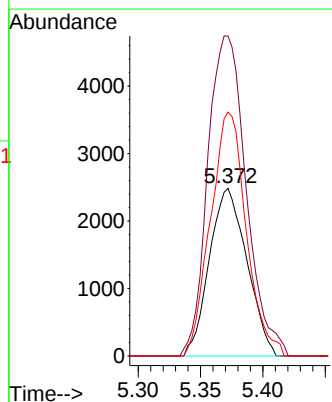
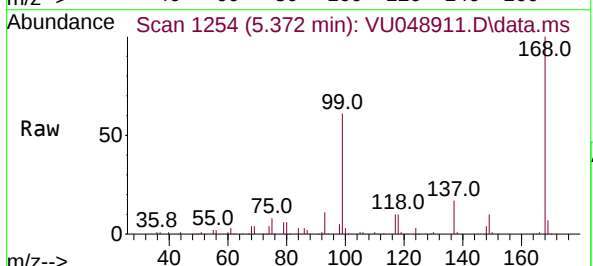
Tgt Ion: 56 Resp: 5199

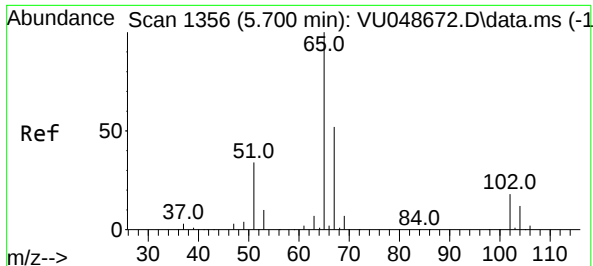
Ion Ratio Lower Upper

56 100

69 190.8 25.6 38.4#

84 145.5 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 50.948 ug/l

RT: 5.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048911.D

Acq: 07 Jun 2022 15:49

Instrument :

MSVOA_U

ClientSampleId :

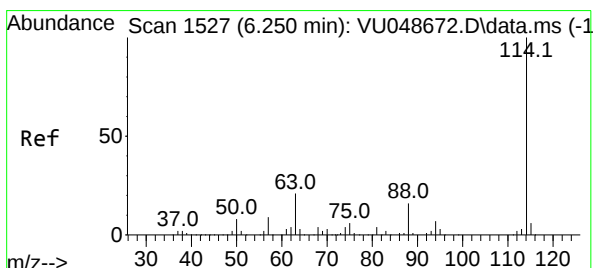
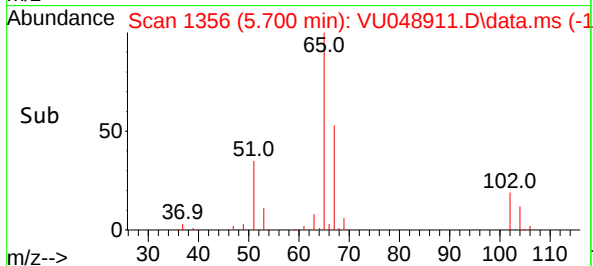
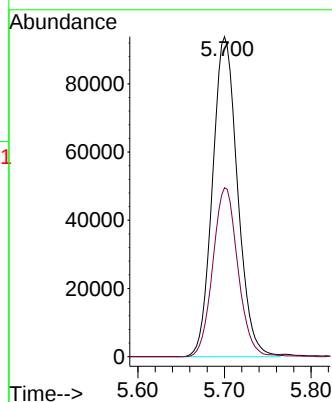
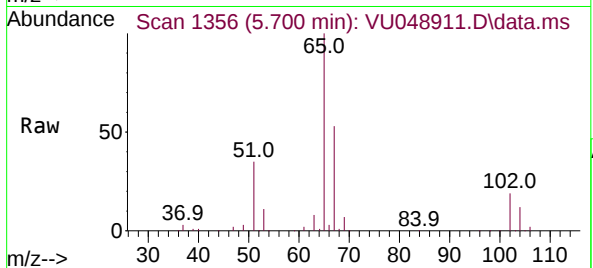
66BR-20220531

Tgt Ion: 65 Resp: 188377

Ion Ratio Lower Upper

65 100

67 53.0 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: VU048911.D

Acq: 07 Jun 2022 15:49

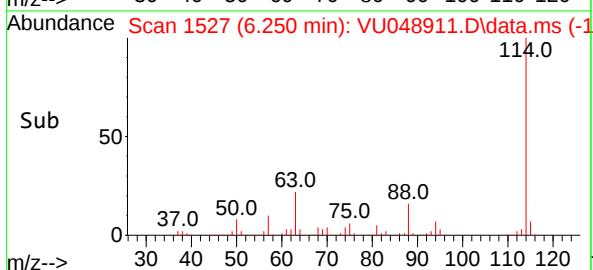
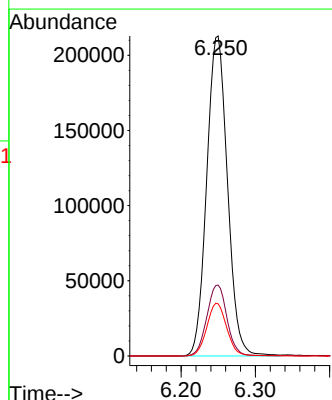
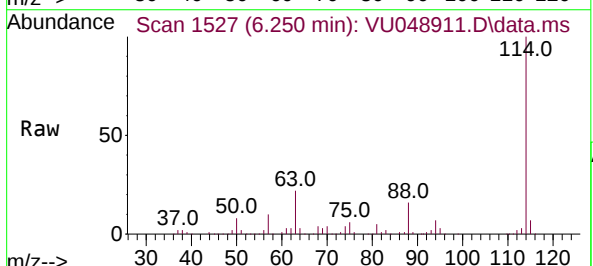
Tgt Ion: 114 Resp: 412422

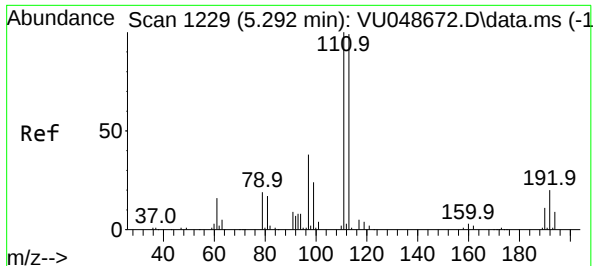
Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.6

88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.049 ug/l

RT: 5.288 min Scan# 11

Delta R.T. -0.003 min

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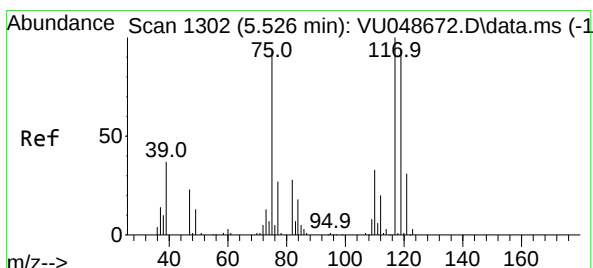
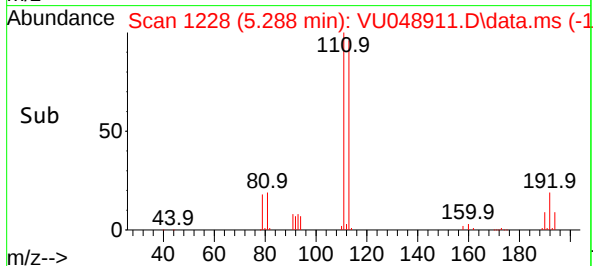
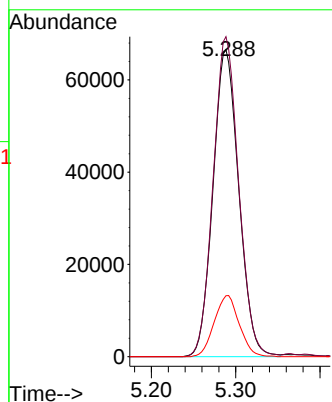
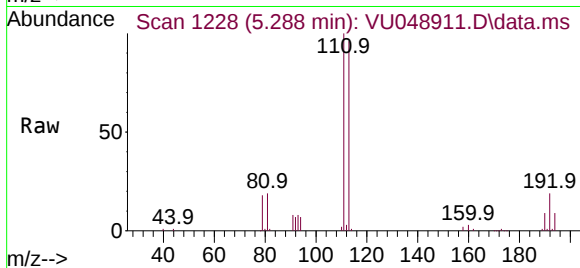
Tgt Ion:113 Resp: 141376

Ion Ratio Lower Upper

113 100

111 103.2 80.7 121.1

192 19.3 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.657 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.158 min

Lab File: VU048911.D

Acq: 07 Jun 2022 15:49

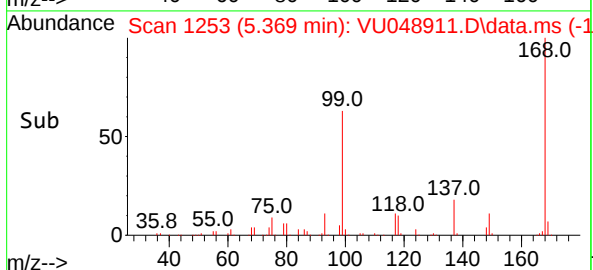
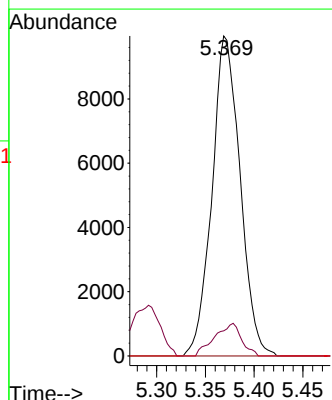
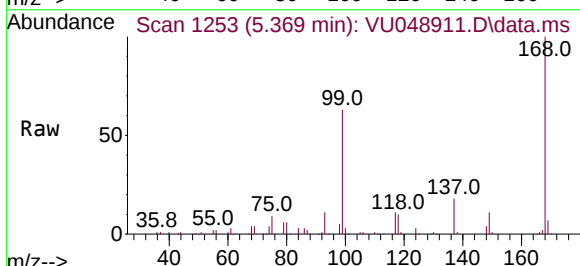
Tgt Ion: 75 Resp: 19997

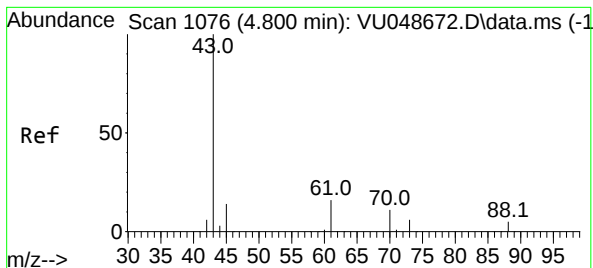
Ion Ratio Lower Upper

75 100

110 9.7 17.4 52.3#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 16.179 ug/l

RT: 4.803 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048911.D

Acq: 07 Jun 2022 15:49

Instrument :

MSVOA_U

ClientSampleId :

66BR-20220531

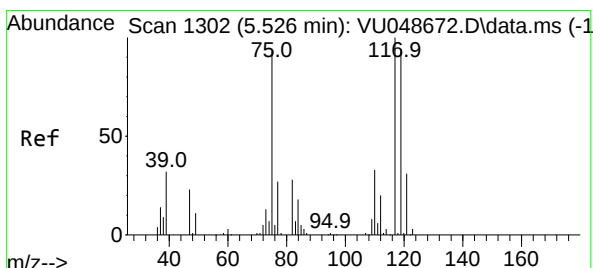
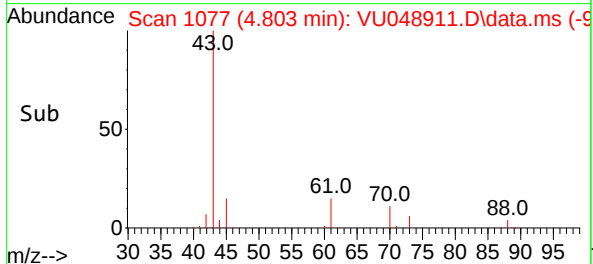
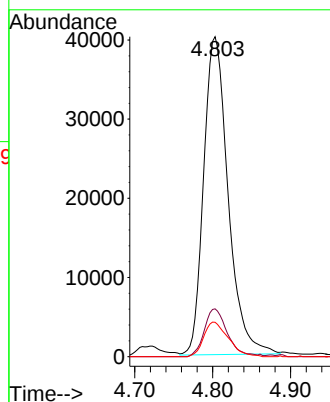
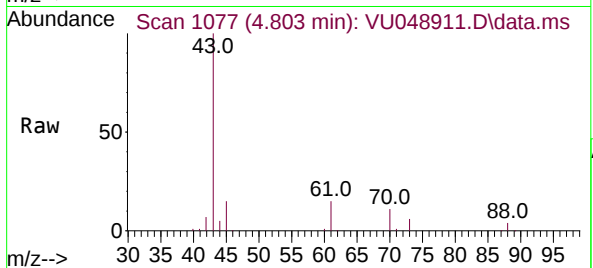
Tgt Ion: 43 Resp: 87829

Ion Ratio Lower Upper

43 100

61 14.2 11.7 17.5

70 11.0 8.4 12.6



#38

Carbon Tetrachloride

Concen: 5.201 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048911.D

Acq: 07 Jun 2022 15:49

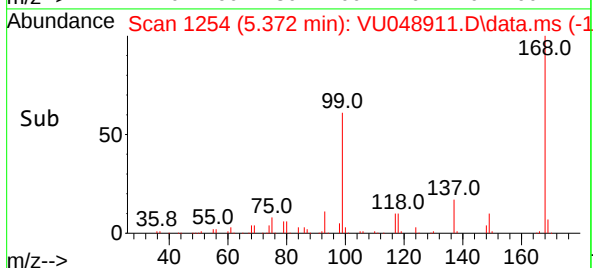
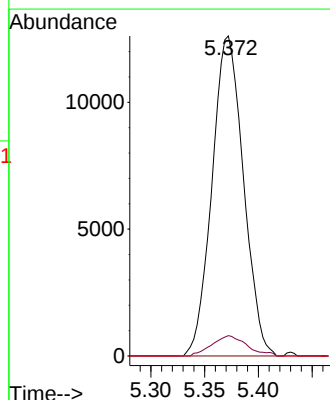
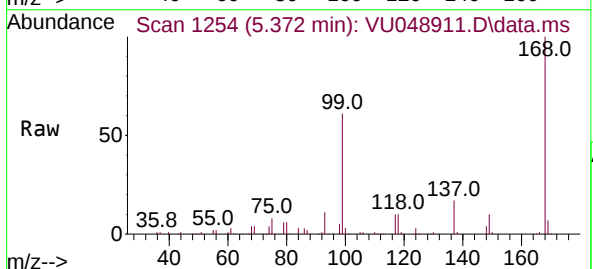
Tgt Ion: 117 Resp: 25624

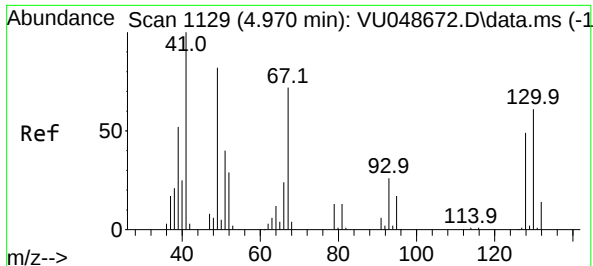
Ion Ratio Lower Upper

117 100

119 6.4 75.4 113.2#

121 0.0 24.6 36.8#

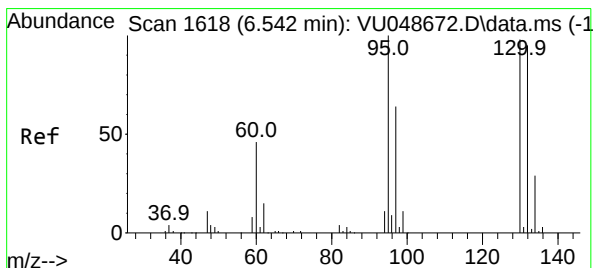
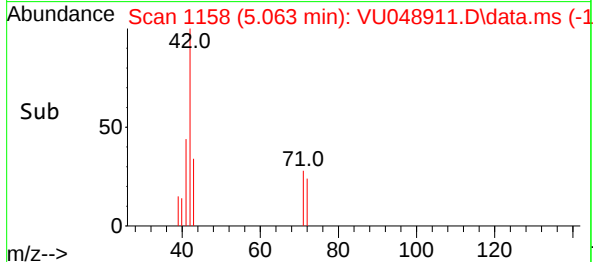
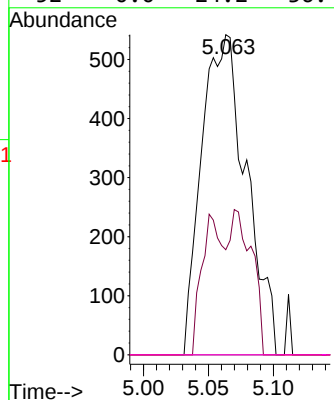
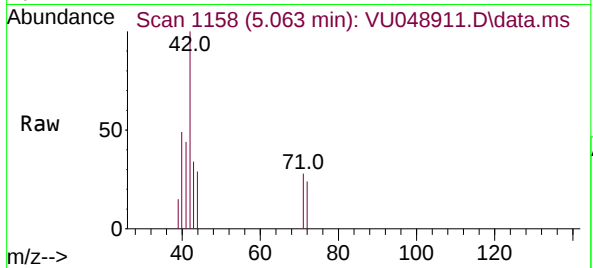




#41
Methacrylonitrile
Concen: 0.472 ug/l
RT: 5.063 min Scan# 1129
Delta R.T. 0.093 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

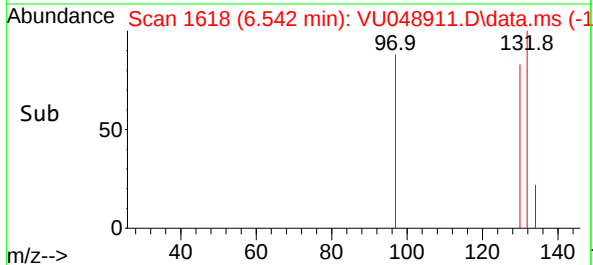
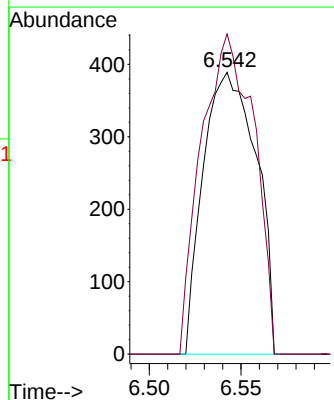
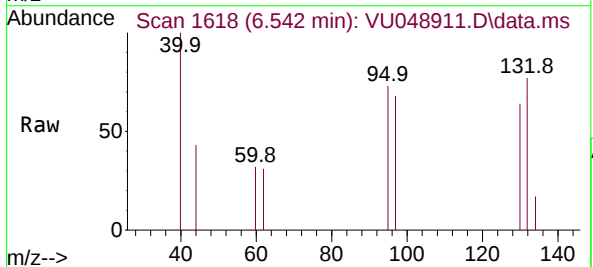
Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

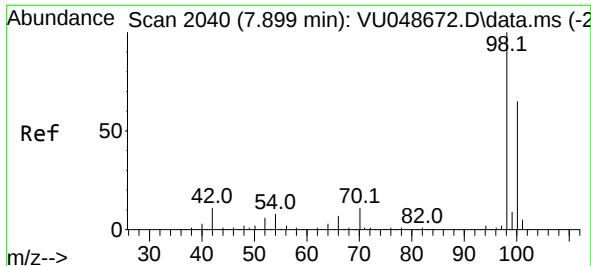
Tgt Ion: 41	Resp:	1294
Ion	Ratio	Lower Upper
41	100	
39	22.6	42.6 64.0#
67	0.0	61.0 91.4#
52	0.0	24.2 36.4#



#44
Trichloroethene
Concen: 0.240 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

Tgt Ion: 130	Resp:	783
Ion	Ratio	Lower Upper
130	100	
95	113.6	0.0 204.8

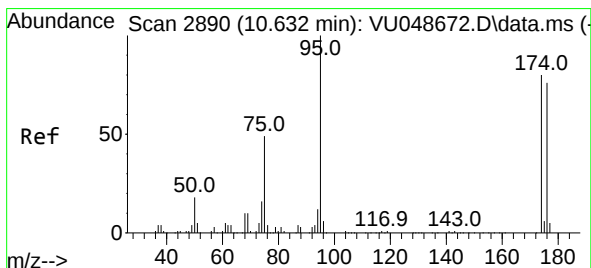
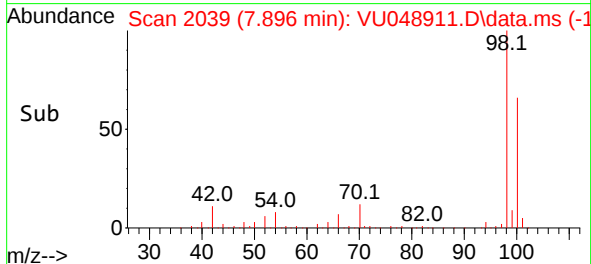
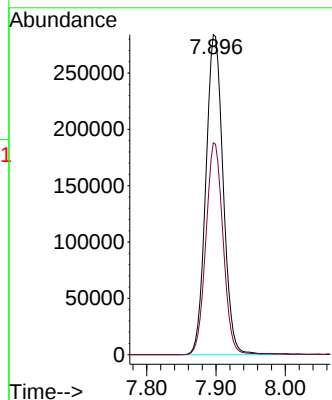
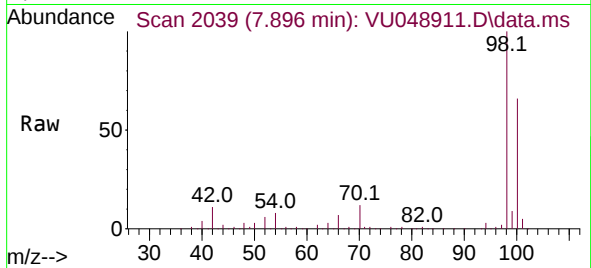




#50
Toluene-d8
Concen: 46.654 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

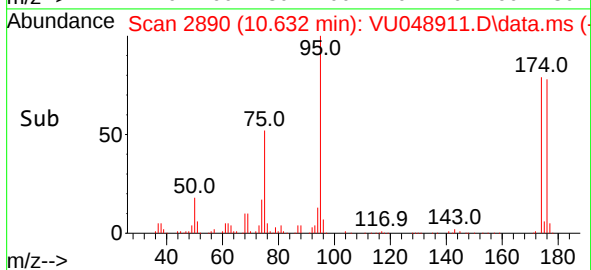
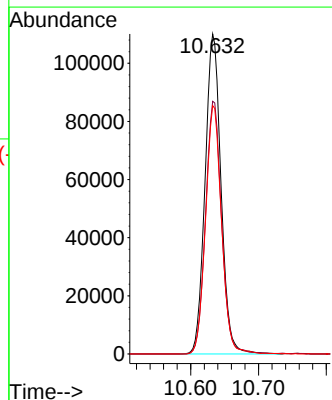
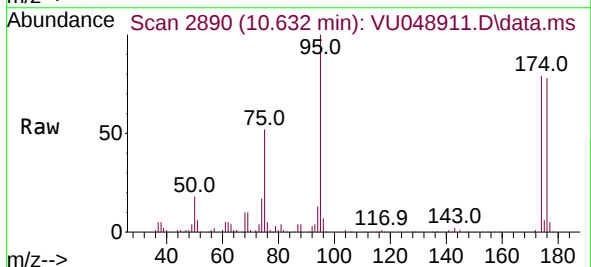
Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

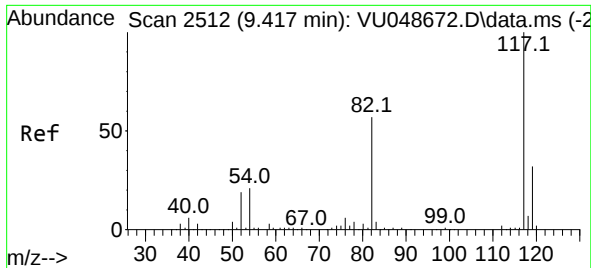
Tgt Ion: 98 Resp: 492064
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 45.071 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

Tgt Ion: 95 Resp: 179781
Ion Ratio Lower Upper
95 100
174 79.6 0.0 159.4
176 77.7 0.0 152.4

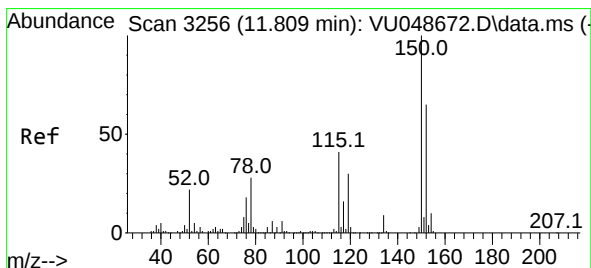
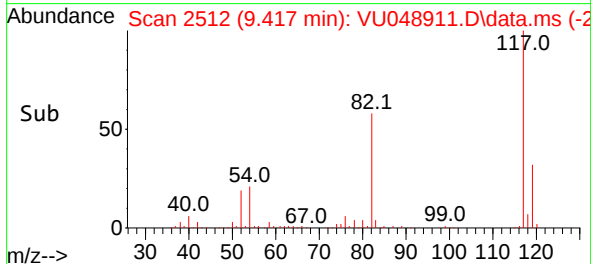
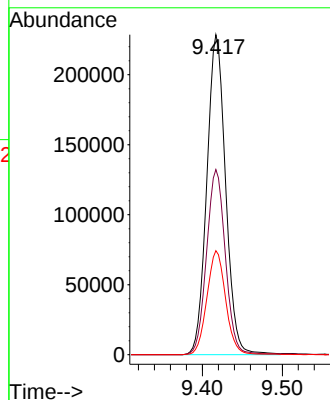
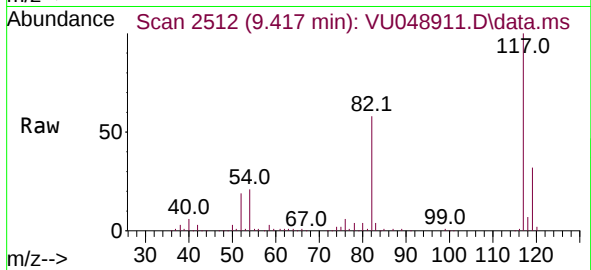




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

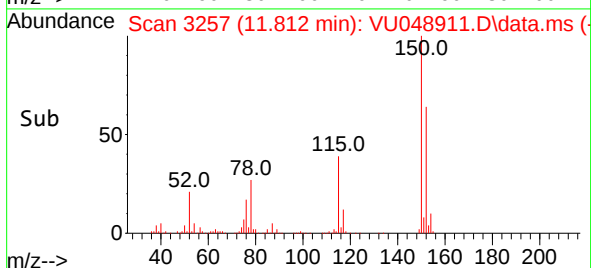
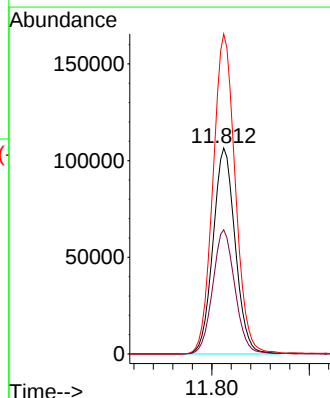
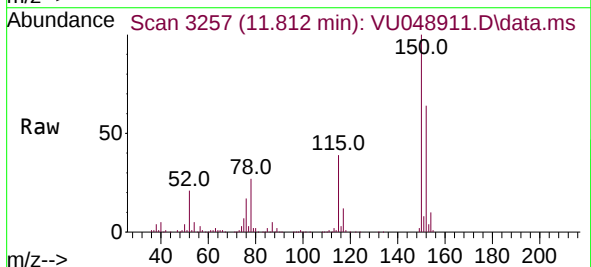
Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

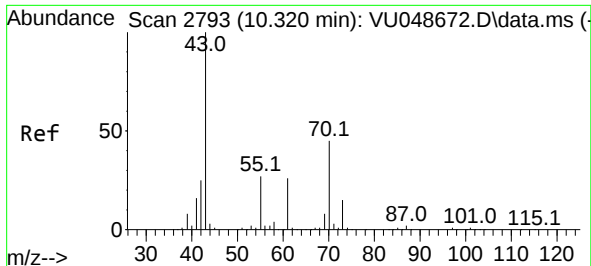
Tgt Ion:117 Resp: 374814
Ion Ratio Lower Upper
117 100
82 57.9 45.3 67.9
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

Tgt Ion:152 Resp: 168432
Ion Ratio Lower Upper
152 100
115 60.4 41.8 125.4
150 156.3 0.0 341.0

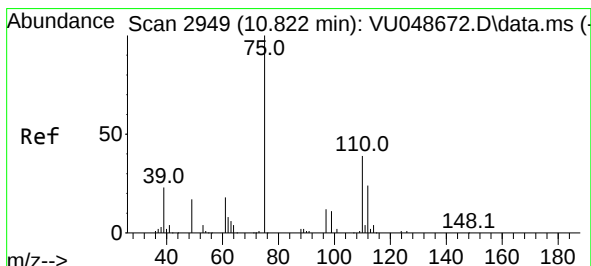
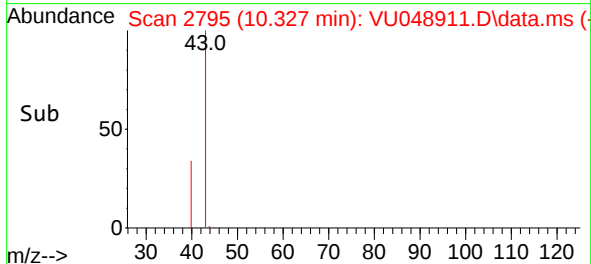
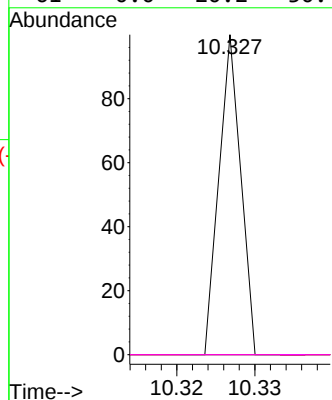
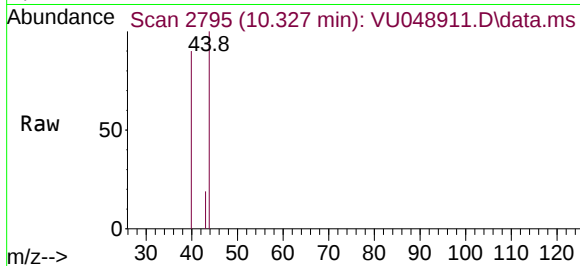




#74
N-amy1 acetate
Concen: 2.470 ug/l
RT: 10.327 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

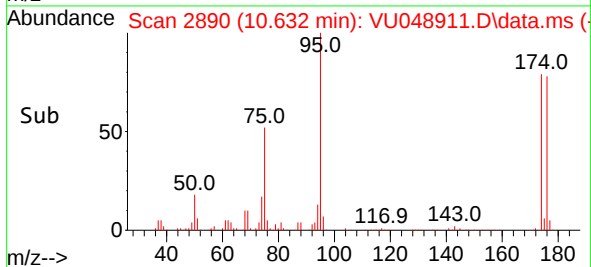
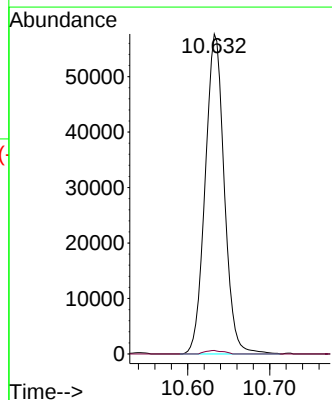
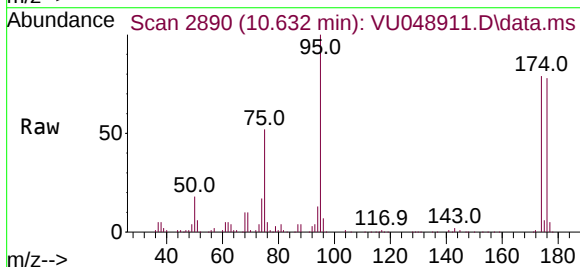
Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

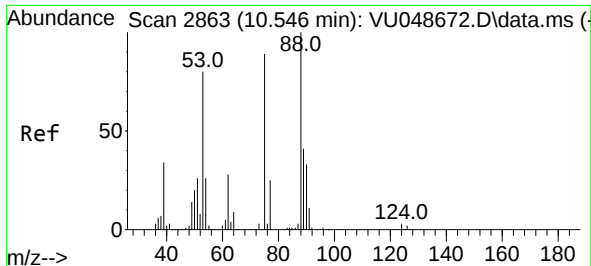
Tgt Ion: 43	Resp:	19
Ion Ratio	Lower	Upper
43 100		
70 0.0	35.8	53.6#
55 0.0	21.1	31.7#
61 0.0	20.2	30.4#



#76
1,2,3-Trichloropropane
Concen: 17.189 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

Tgt Ion: 75	Resp:	93346	
Ion Ratio	Lower	Upper	
75 100			
77 1.0	14.8	44.3#	

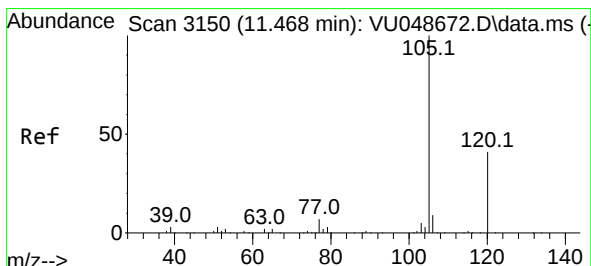
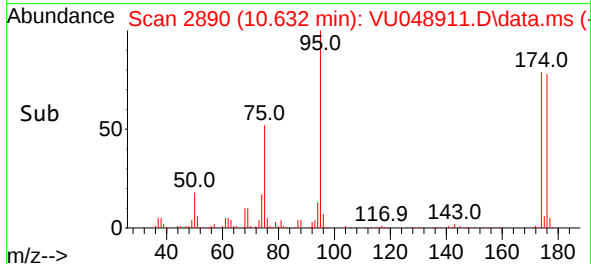
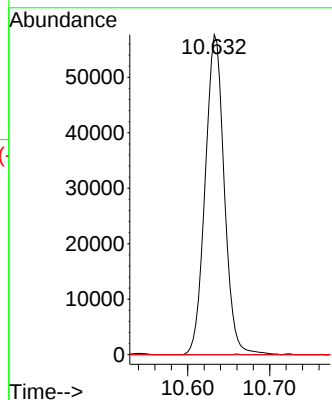
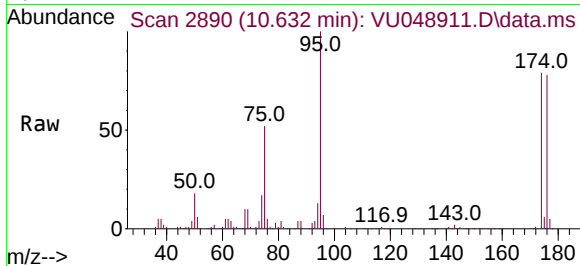




#81
trans-1,4-Dichloro-2-butene
Concen: 62.410 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

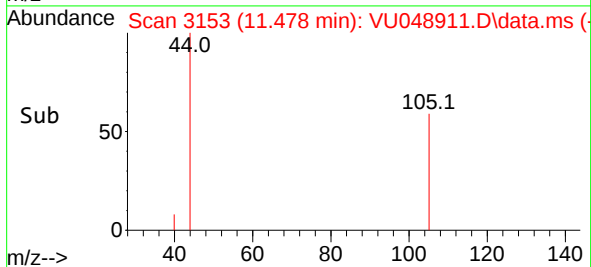
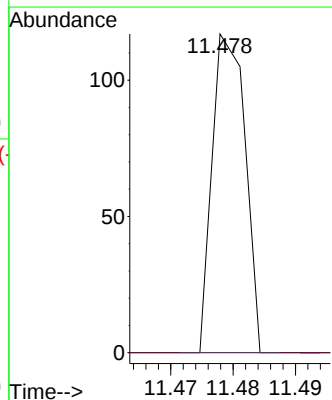
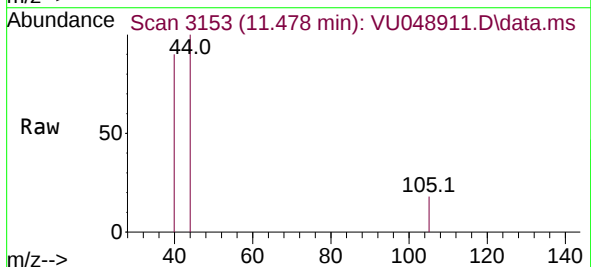
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ClientSampleId :
66BR-20220531

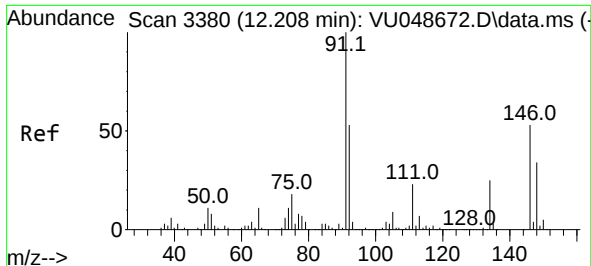
Tgt Ion: 75 Resp: 93346
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.191 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.010 min
Lab File: VU048911.D
Acq: 07 Jun 2022 15:49

Tgt Ion: 105 Resp: 43
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#





#89

n-Butylbenzene

Concen: 2.190 ug/l

RT: 12.211 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU048911.D

Acq: 07 Jun 2022 15:49

Instrument :

MSVOA_U

ClientSampleId :

66BR-20220531

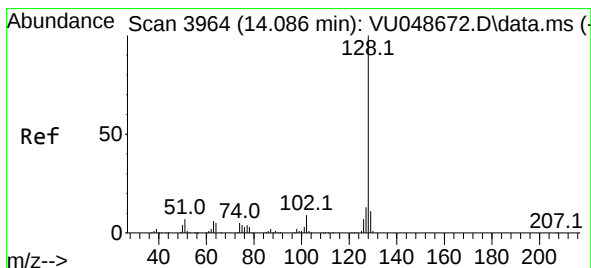
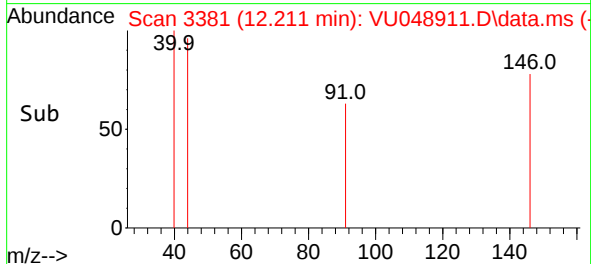
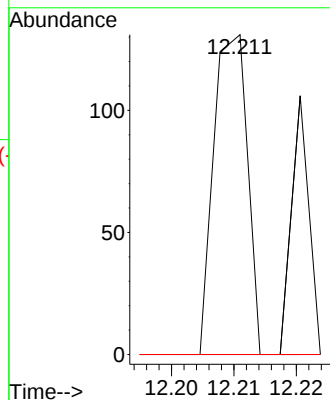
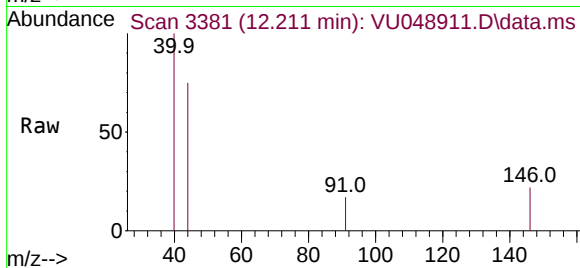
Tgt Ion: 91 Resp: 49

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.8#

134 0.0 12.5 37.5#



#95

Naphthalene

Concen: 2.604 ug/l

RT: 14.111 min Scan# 3972

Delta R.T. 0.025 min

Lab File: VU048911.D

Acq: 07 Jun 2022 15:49

Tgt Ion:128 Resp: 995

Ion Ratio Lower Upper

128 100

127 2.1 10.2 15.4#

129 0.0 8.7 13.1#

