

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060622\
 Data File : VU048889.D
 Acq On : 06 Jun 2022 17:52
 Operator : SY/MD
 Sample : N3165-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 66BR-20220531

Quant Time: Jun 07 05:19:28 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)

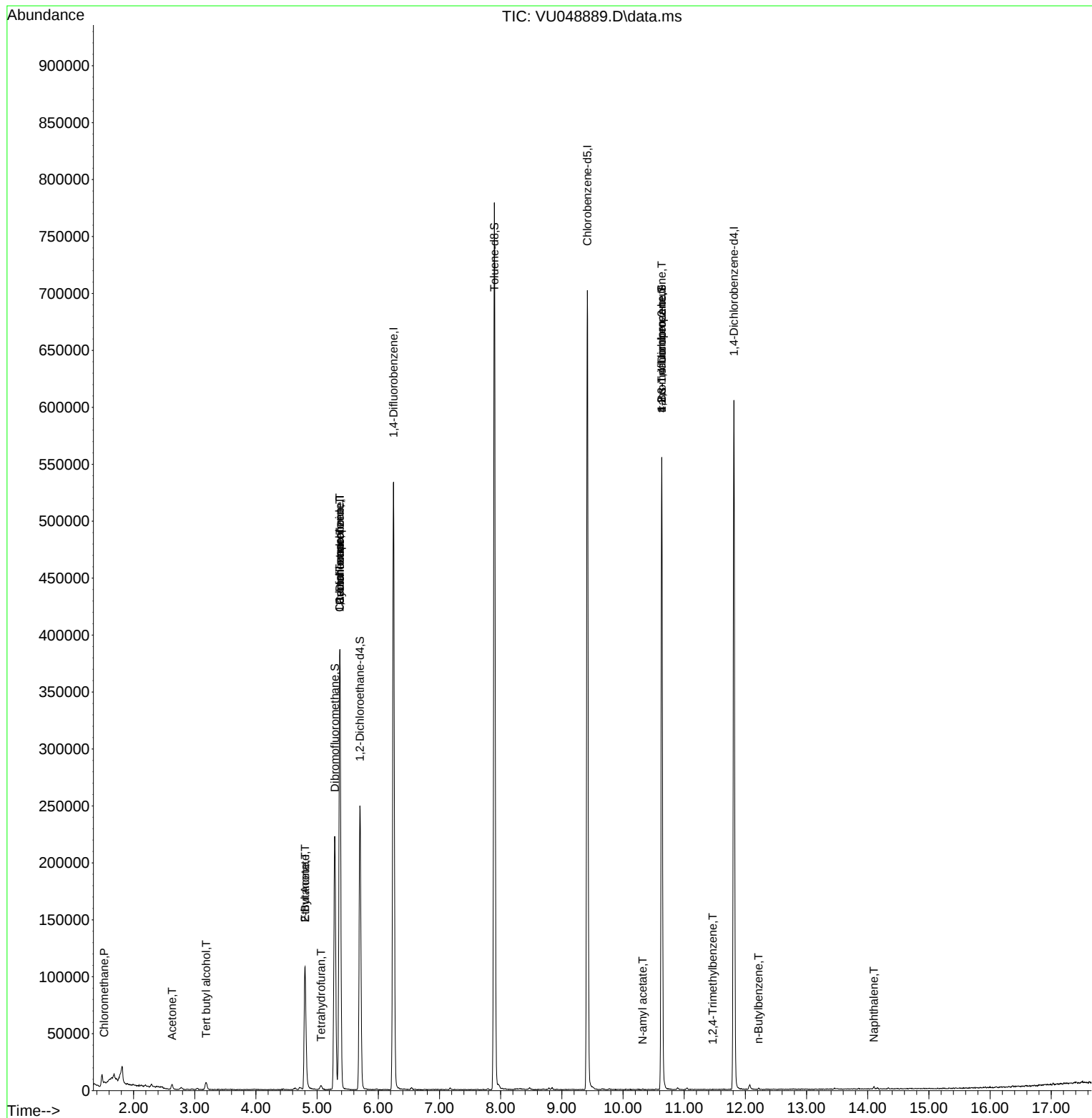
Internal Standards						
1) Pentafluorobenzene	5.372	168	256774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	423419	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	381481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	161753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	192717	49.975	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.960%
35) Dibromofluoromethane	5.288	113	145317	48.106	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.220%
50) Toluene-d8	7.896	98	511940	47.278	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.560%
62) 4-Bromofluorobenzene	10.632	95	179887	43.926	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.860%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1116	0.295	ug/l	95
5) Bromomethane	1.835	94	312	Below Cal	#	63
6) Chloroethane	1.938	64	145	Below Cal	#	50
11) Tert butyl alcohol	3.189	59	4574	4.678	ug/l #	28
13) Acrolein	2.497	56	39	Below Cal	#	48
16) Acetone	2.629	43	4916	2.501	ug/l #	86
25) 2-Butanone	4.803	43	142860	50.601	ug/l #	49
29) Tetrahydrofuran	5.067	42	2417	1.359	ug/l #	84
31) Cyclohexane	5.372	56	5245	1.079	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	21783	4.941	ug/l #	50
37) Ethyl Acetate	4.803	43	142860	25.632	ug/l	99
38) Carbon Tetrachloride	5.369	117	27183	5.374	ug/l #	17
74) N-amyl acetate	10.320	43	80	2.481	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	93417	17.912	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	93417	65.036	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	46	1.192	ug/l #	31
89) n-Butylbenzene	12.214	91	366	2.223	ug/l #	67
95) Naphthalene	14.102	128	2339	2.707	ug/l #	88

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

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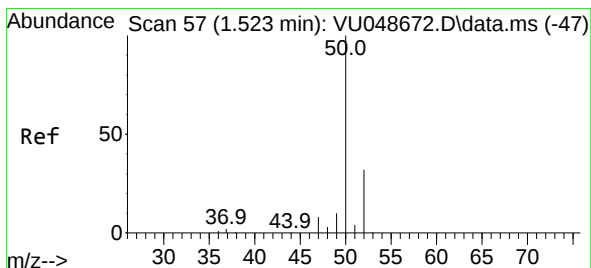
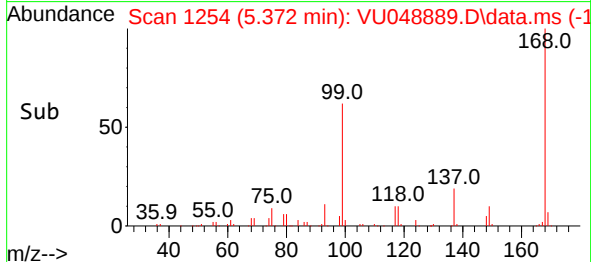
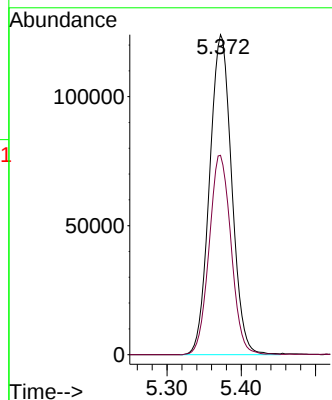
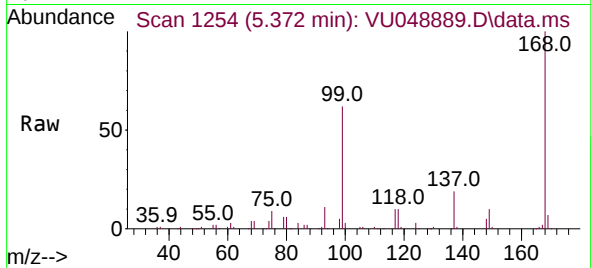




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

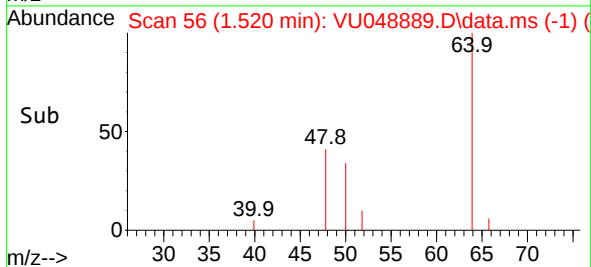
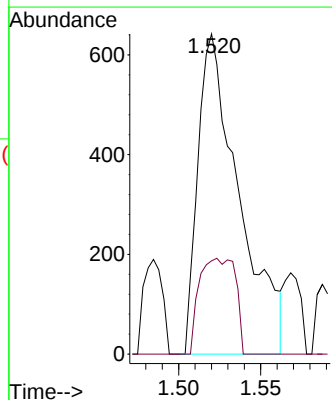
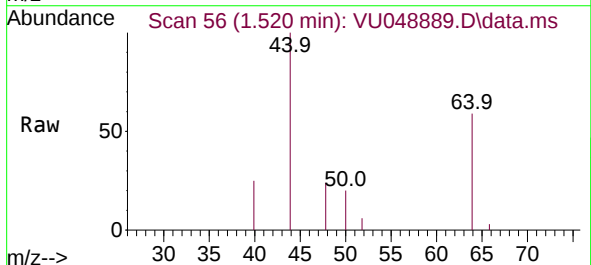
Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

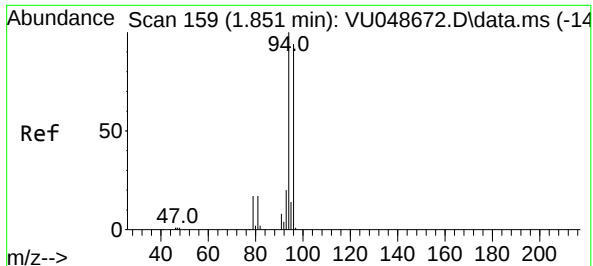
Tgt Ion:168 Resp: 256774
Ion Ratio Lower Upper
168 100
99 62.3 49.3 73.9



#3
Chloromethane
Concen: 0.295 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

Tgt Ion: 50 Resp: 1116
Ion Ratio Lower Upper
50 100
52 29.1 25.7 38.5

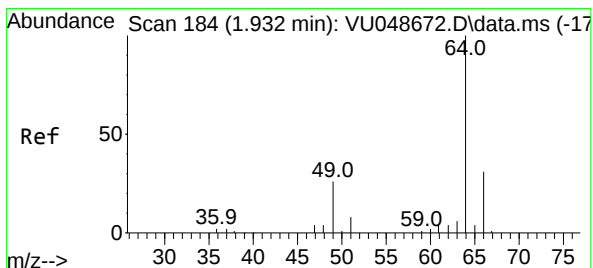
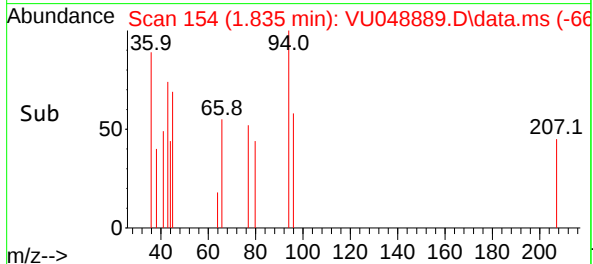
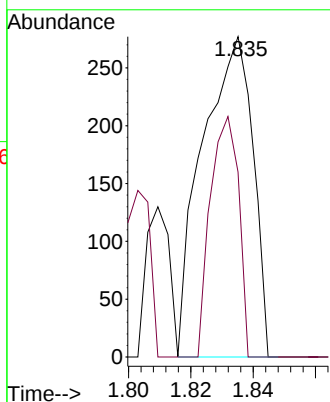
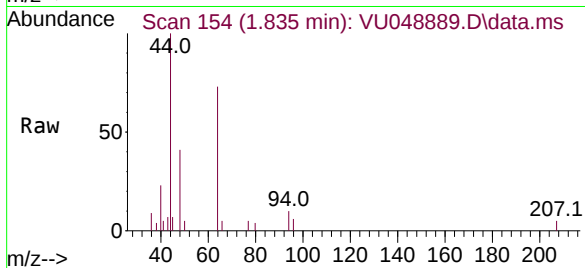




#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

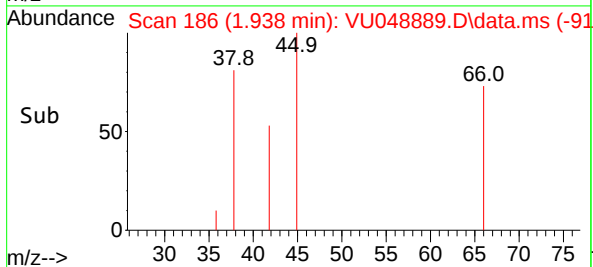
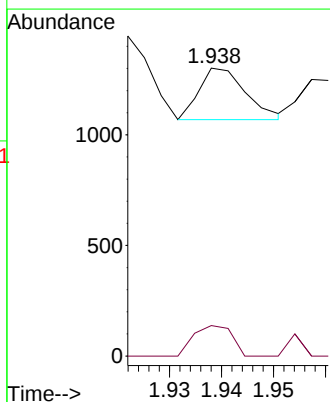
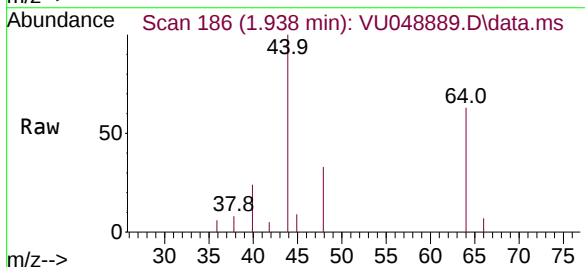
Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

Tgt Ion: 94 Resp: 312
Ion Ratio Lower Upper
94 100
96 57.8 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.938 min Scan# 186
Delta R.T. 0.006 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

Tgt Ion: 64 Resp: 145
Ion Ratio Lower Upper
64 100
66 59.2 25.2 37.8#

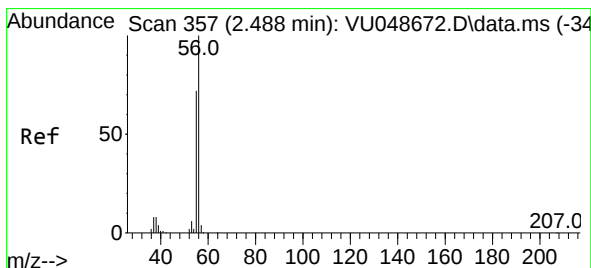
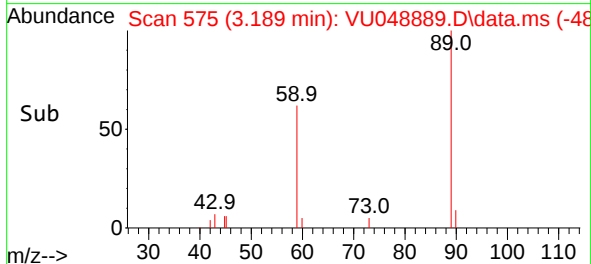
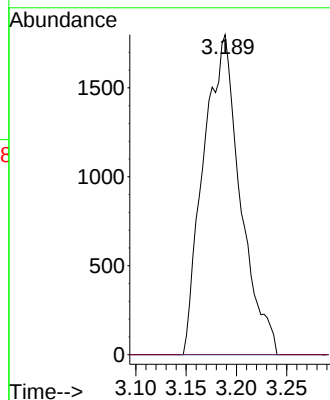
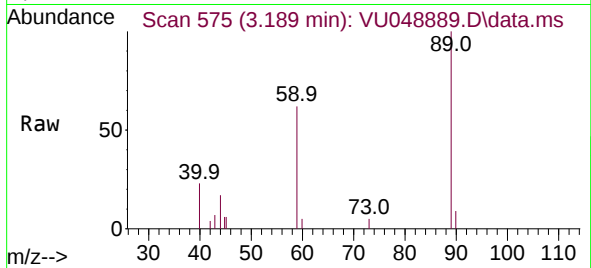




#11
Tert butyl alcohol
Concen: 4.678 ug/l
RT: 3.189 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

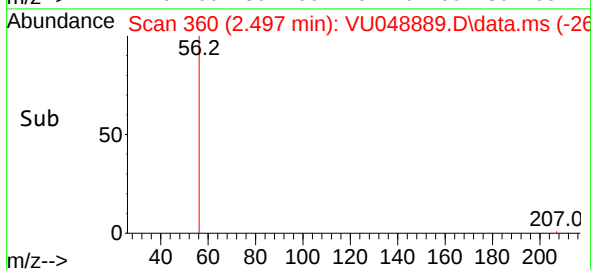
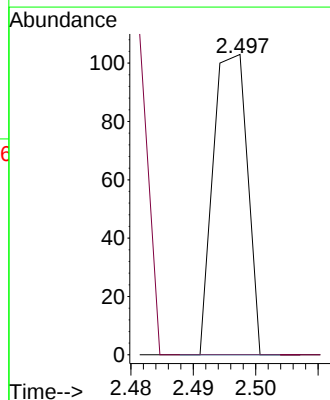
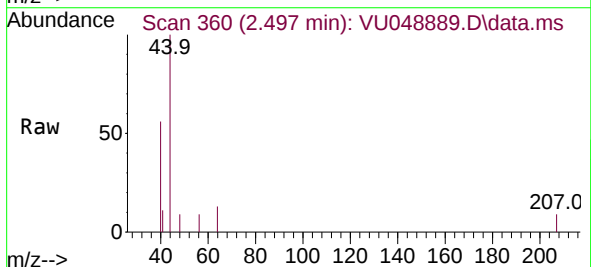
Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

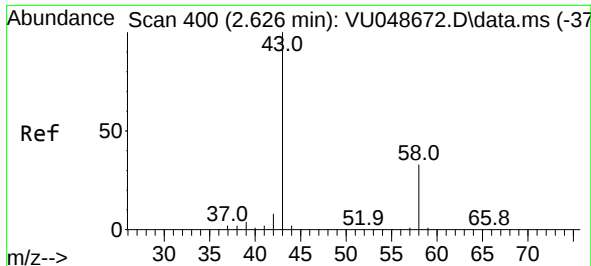
Tgt Ion: 59 Resp: 4574
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.497 min Scan# 360
Delta R.T. 0.009 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

Tgt Ion: 56 Resp: 39
Ion Ratio Lower Upper
56 100
55 115.4 57.7 86.5#

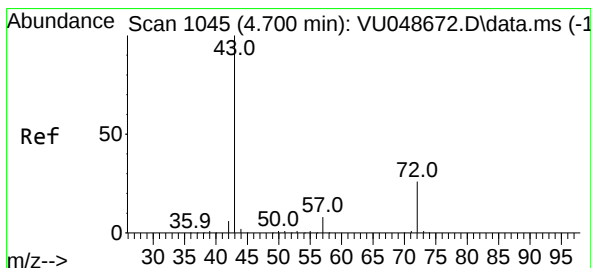
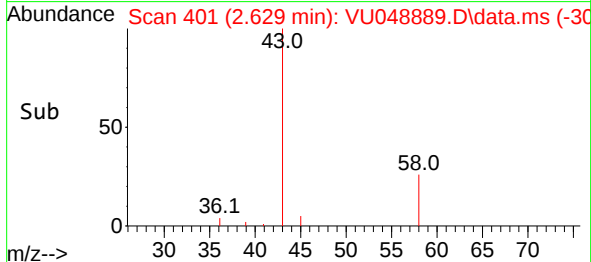
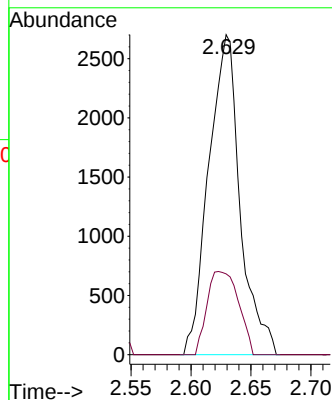
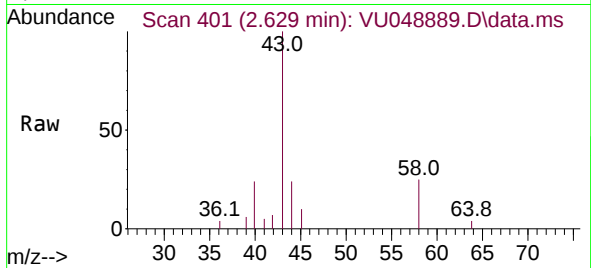




#16
Acetone
Concen: 2.501 ug/l
RT: 2.629 min Scan# 40
Delta R.T. 0.003 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

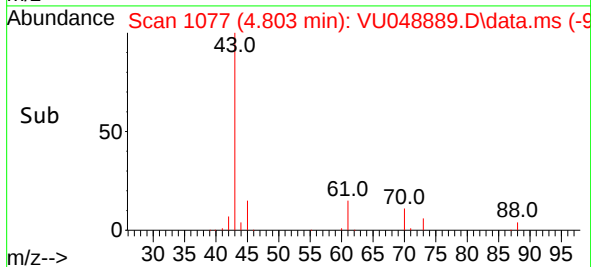
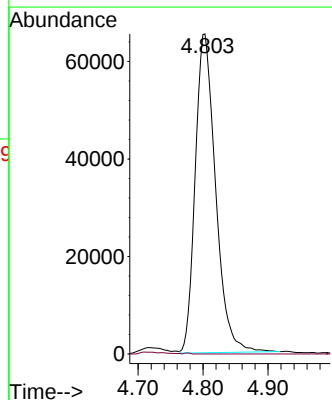
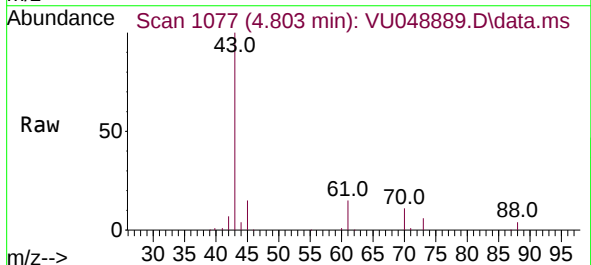
Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

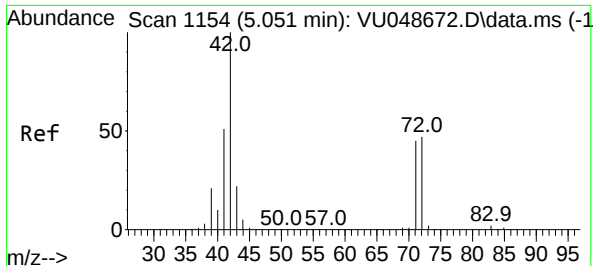
Tgt Ion: 43 Resp: 4916
Ion Ratio Lower Upper
43 100
58 25.2 26.3 39.5#



#25
2-Butanone
Concen: 50.601 ug/l
RT: 4.803 min Scan# 1077
Delta R.T. 0.103 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

Tgt Ion: 43 Resp: 142860
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#





#29

Tetrahydrofuran

Concen: 1.359 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.016 min

Lab File: VU048889.D

Acq: 06 Jun 2022 17:52

Instrument :

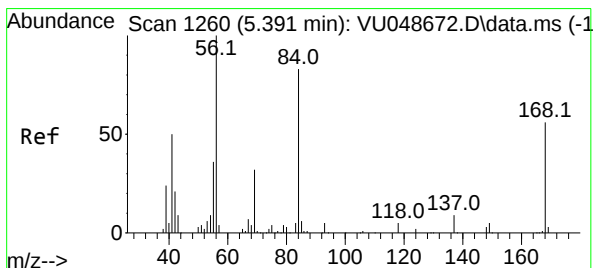
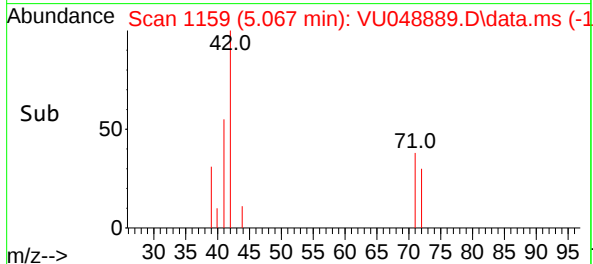
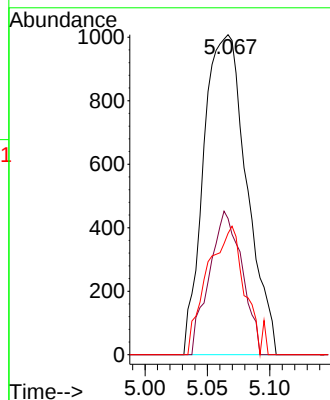
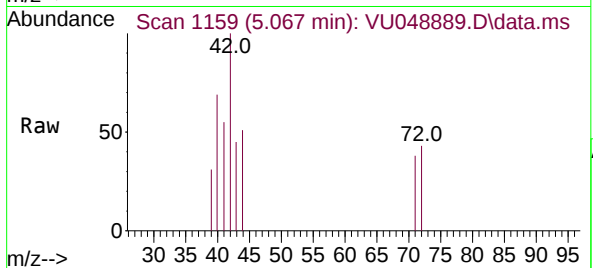
MSVOA_U

ClientSampleId :

66BR-20220531

Tgt Ion: 42 Resp: 2417

Ion	Ratio	Lower	Upper
42	100		
72	34.2	37.6	56.4#
71	35.0	35.0	52.4



#31

Cyclohexane

Concen: 1.079 ug/l

RT: 5.372 min Scan# 1254

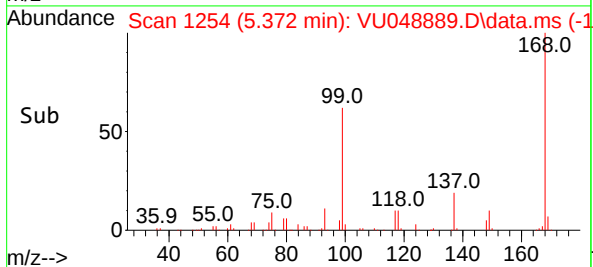
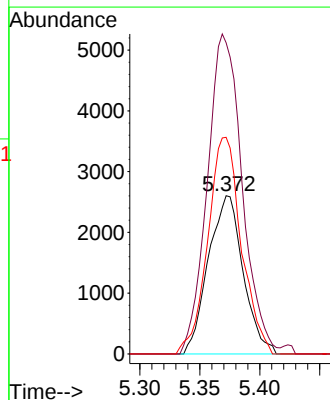
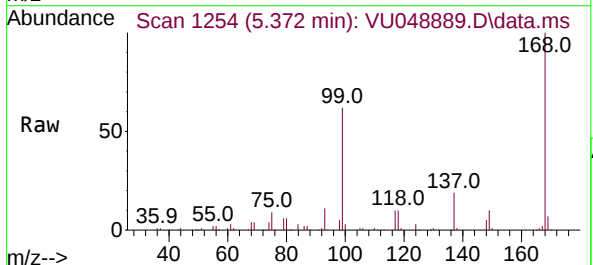
Delta R.T. -0.019 min

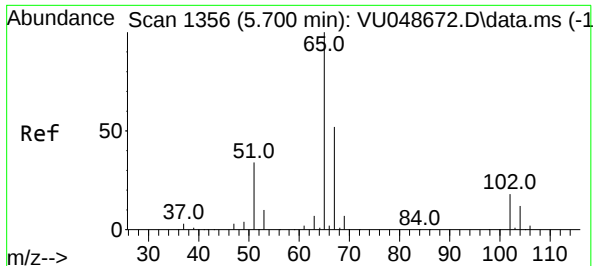
Lab File: VU048889.D

Acq: 06 Jun 2022 17:52

Tgt Ion: 56 Resp: 5245

Ion	Ratio	Lower	Upper
56	100		
69	196.7	25.6	38.4#
84	137.0	66.2	99.4#





#33

1,2-Dichloroethane-d4

Concen: 49.975 ug/l

RT: 5.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048889.D

Acq: 06 Jun 2022 17:52

Instrument :

MSVOA_U

ClientSampleId :

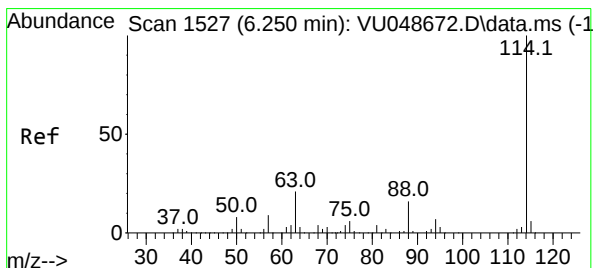
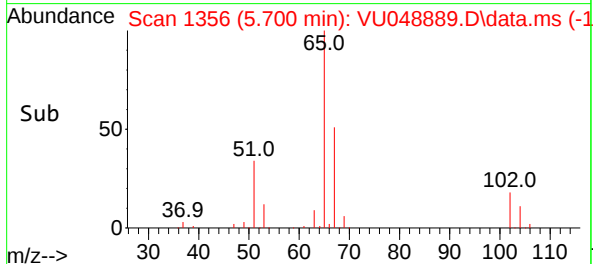
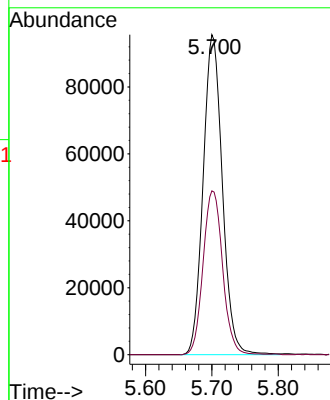
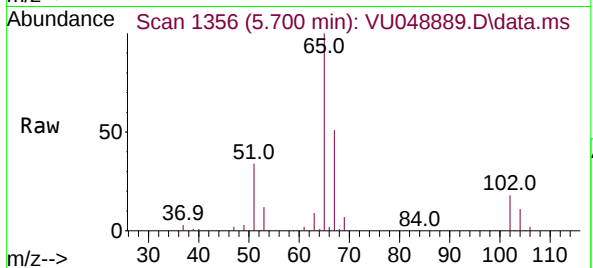
66BR-20220531

Tgt Ion: 65 Resp: 192717

Ion Ratio Lower Upper

65 100

67 52.0 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: VU048889.D

Acq: 06 Jun 2022 17:52

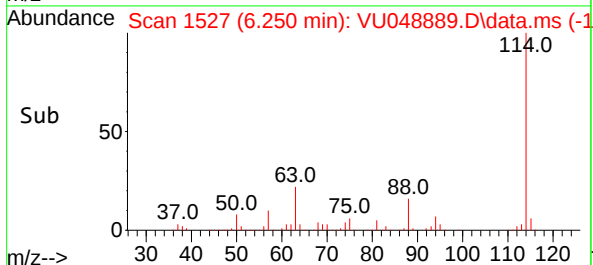
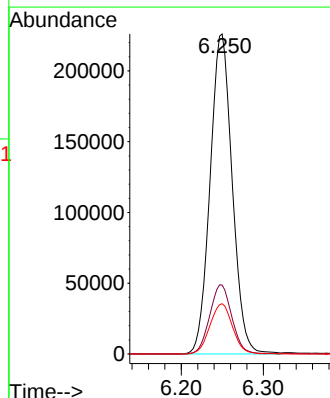
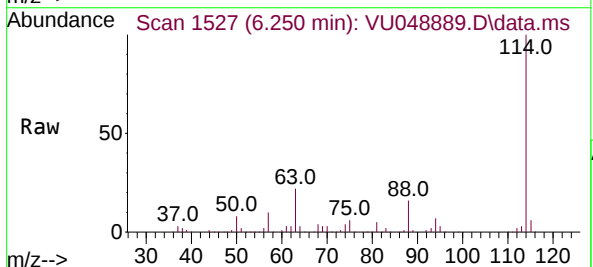
Tgt Ion: 114 Resp: 423419

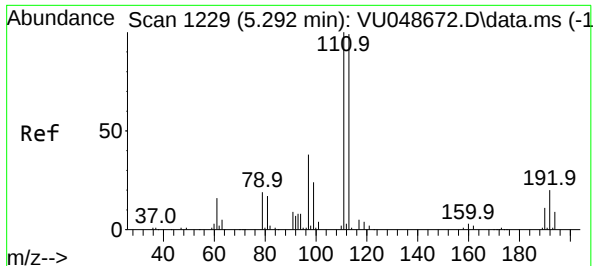
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.6

88 15.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.106 ug/l

RT: 5.288 min Scan# 11

Delta R.T. -0.003 min

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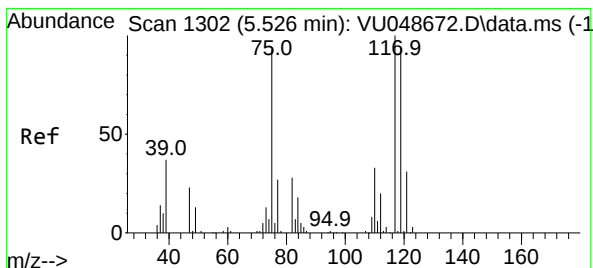
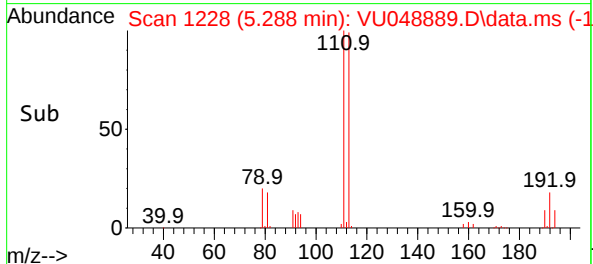
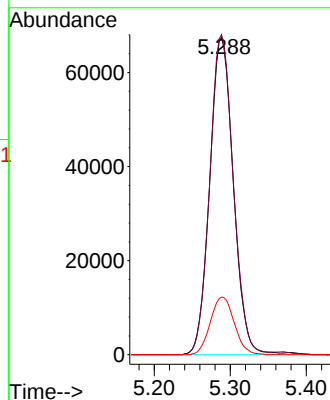
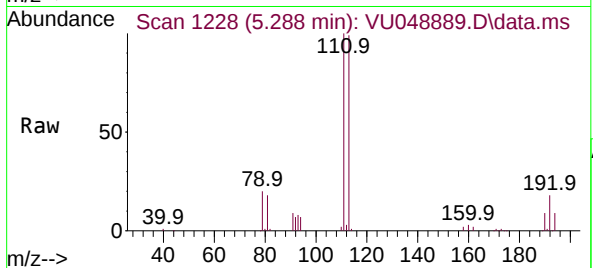
Tgt Ion:113 Resp: 145317

Ion Ratio Lower Upper

113 100

111 100.8 80.7 121.1

192 18.4 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.941 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.158 min

Lab File: VU048889.D

Acq: 06 Jun 2022 17:52

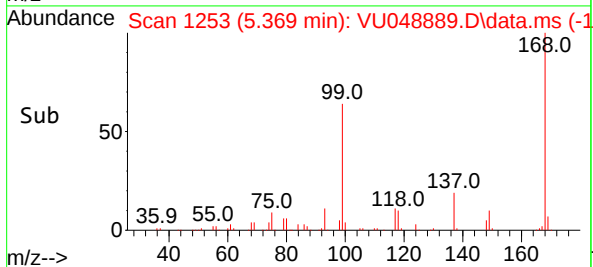
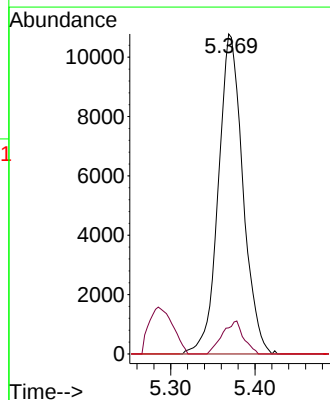
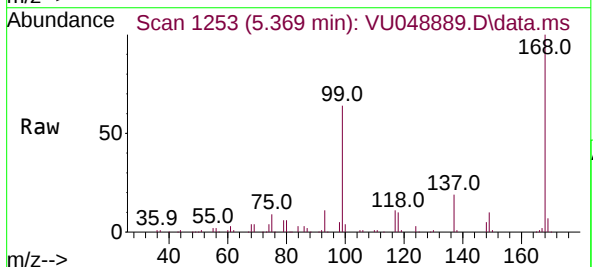
Tgt Ion: 75 Resp: 21783

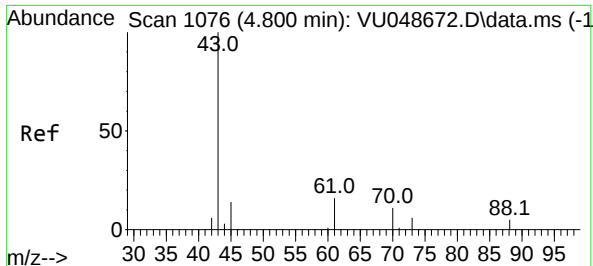
Ion Ratio Lower Upper

75 100

110 8.9 17.4 52.3#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 25.632 ug/l

RT: 4.803 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048889.D

Acq: 06 Jun 2022 17:52

Instrument :

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66BR-20220531

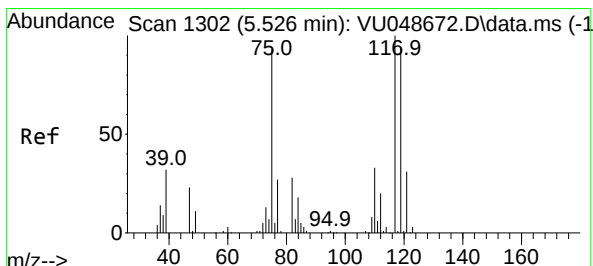
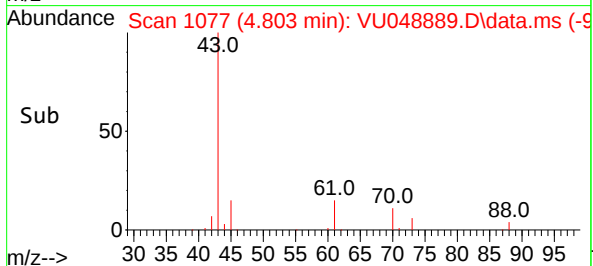
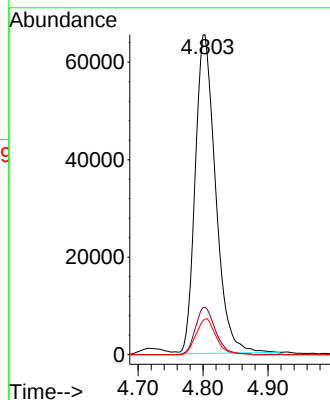
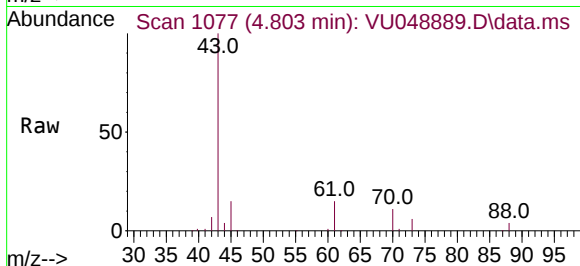
Tgt Ion: 43 Resp: 142860

Ion Ratio Lower Upper

43 100

61 14.7 11.7 17.5

70 11.1 8.4 12.6



#38

Carbon Tetrachloride

Concen: 5.374 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.158 min

Lab File: VU048889.D

Acq: 06 Jun 2022 17:52

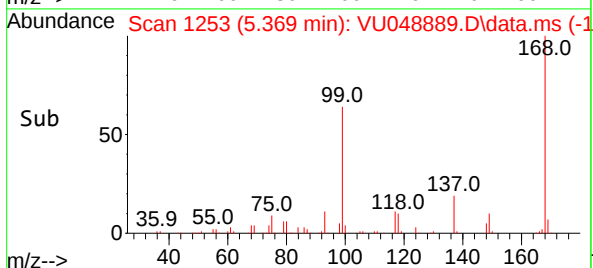
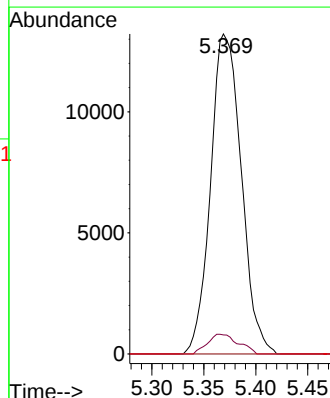
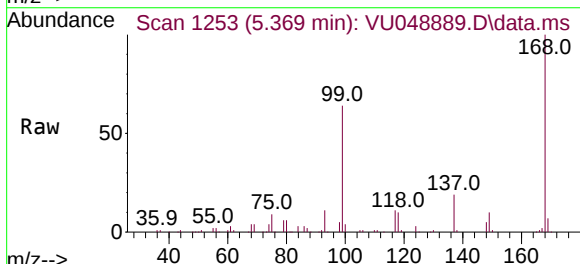
Tgt Ion: 117 Resp: 27183

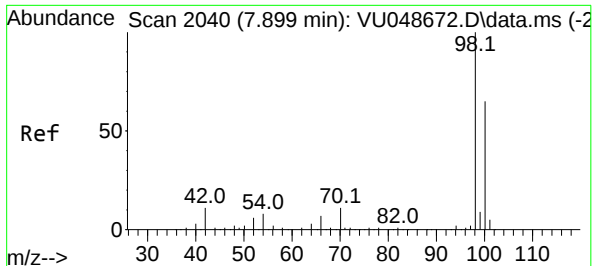
Ion Ratio Lower Upper

117 100

119 5.9 75.4 113.2#

121 0.0 24.6 36.8#

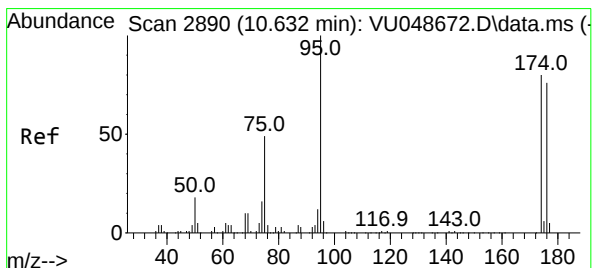
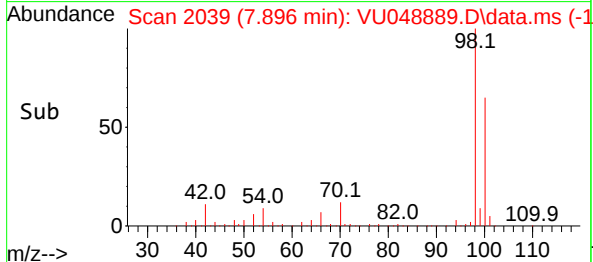
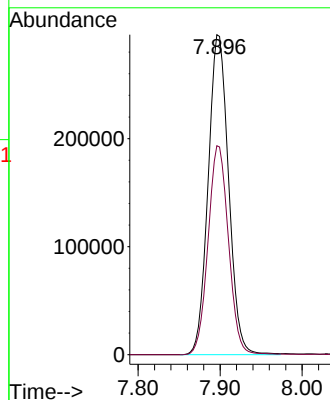
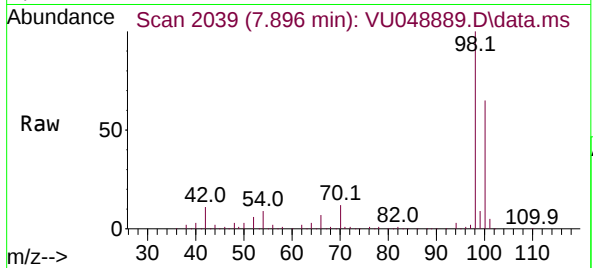




#50
Toluene-d8
Concen: 47.278 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

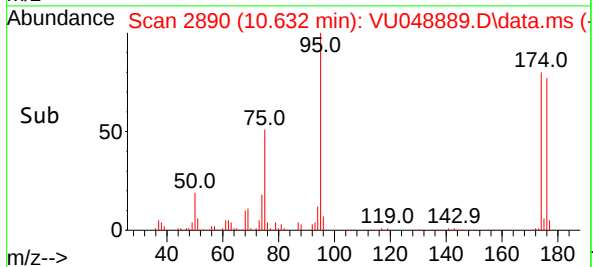
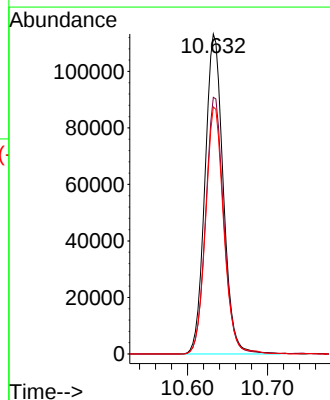
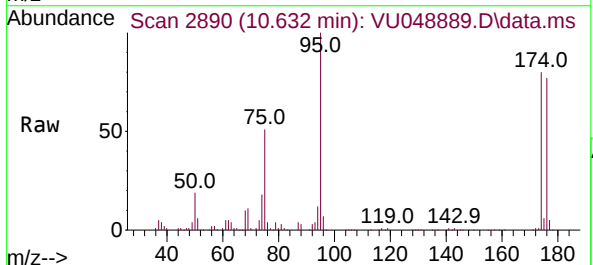
Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

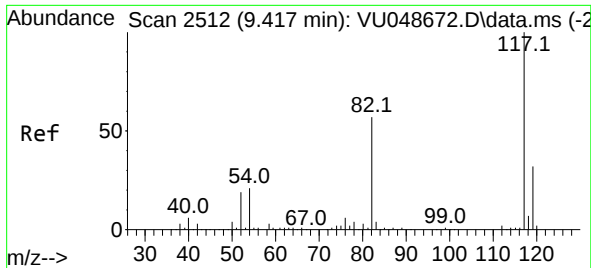
Tgt Ion: 98 Resp: 511940
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 43.926 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

Tgt Ion: 95 Resp: 179887
Ion Ratio Lower Upper
95 100
174 79.8 0.0 159.4
176 76.9 0.0 152.4

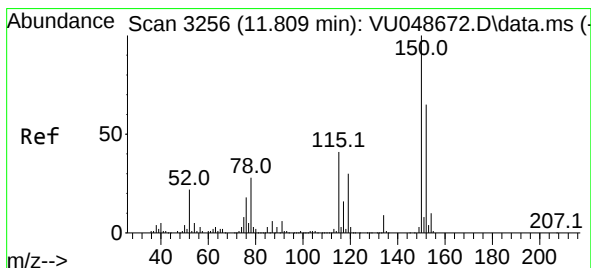
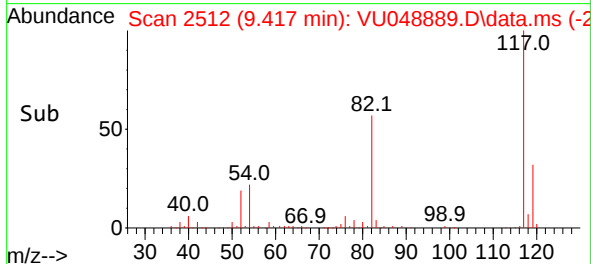
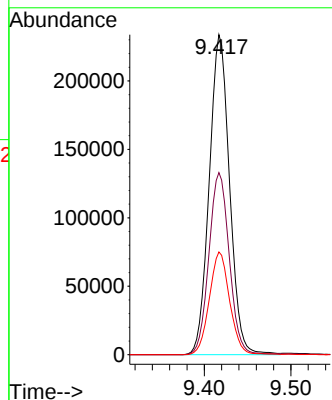
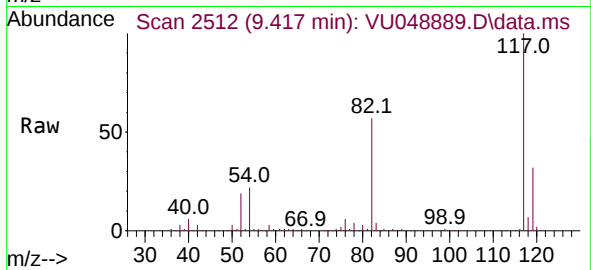




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

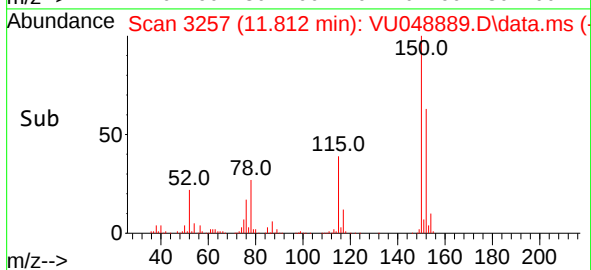
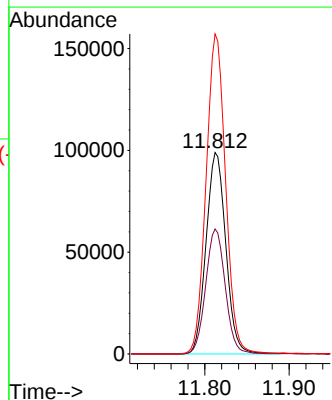
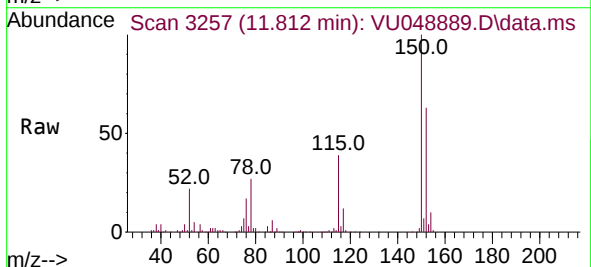
Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

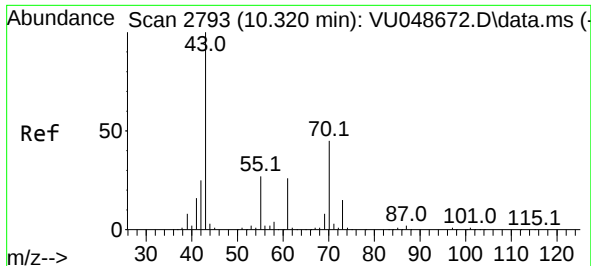
Tgt Ion:117 Resp: 381481
Ion Ratio Lower Upper
117 100
82 56.9 45.3 67.9
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

Tgt Ion:152 Resp: 161753
Ion Ratio Lower Upper
152 100
115 61.4 41.8 125.4
150 156.3 0.0 341.0

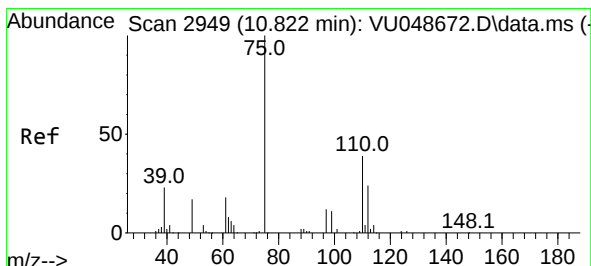
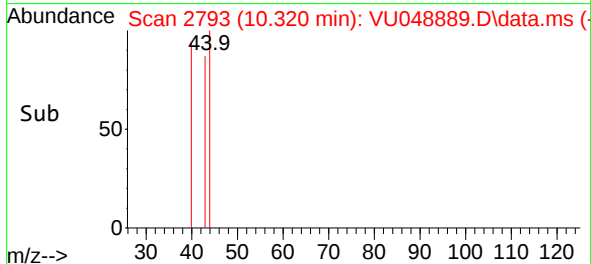
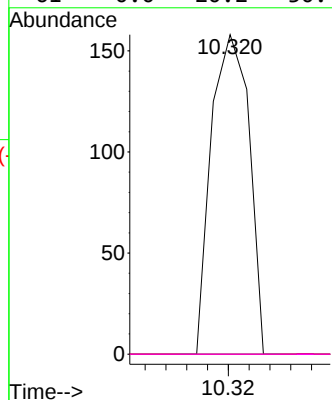
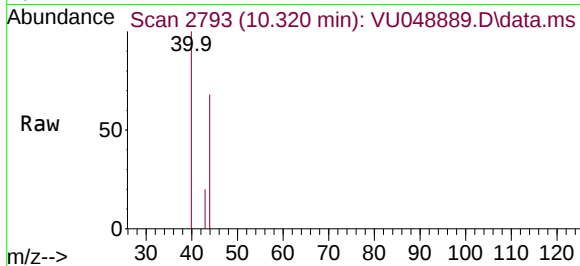




#74
N-amy1 acetate
Concen: 2.481 ug/l
RT: 10.320 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

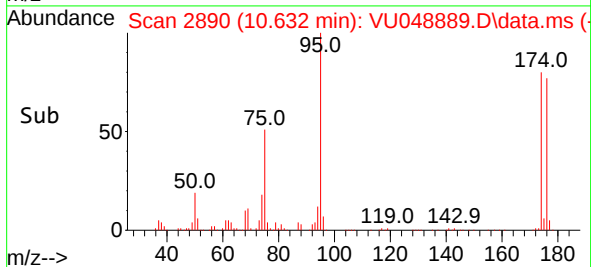
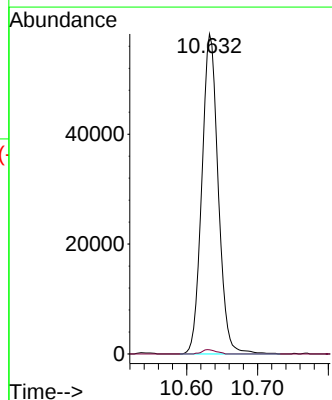
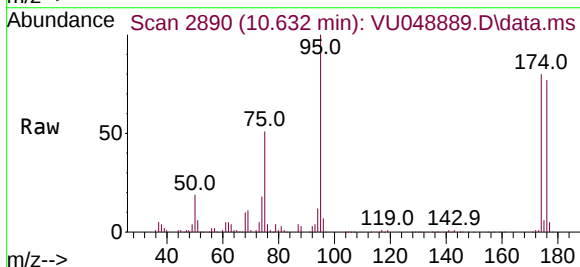
Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

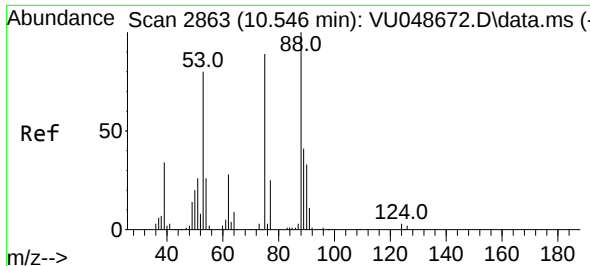
Tgt Ion:	43	Resp:	80
Ion	Ratio	Lower	Upper
43	100		
70	0.0	35.8	53.6#
55	0.0	21.1	31.7#
61	0.0	20.2	30.4#



#76
1,2,3-Trichloropropane
Concen: 17.912 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

Tgt Ion:	75	Resp:	93417
Ion	Ratio	Lower	Upper
75	100		
77	1.2	14.8	44.3#

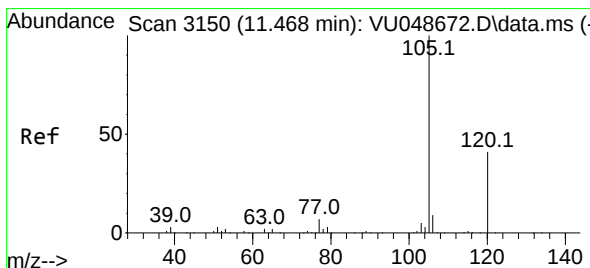
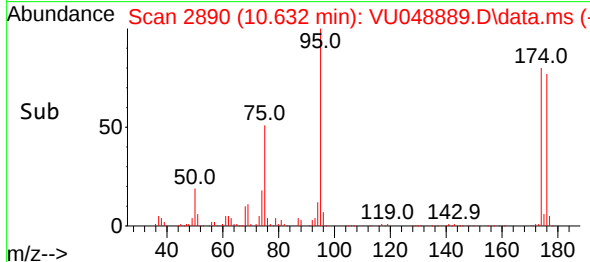
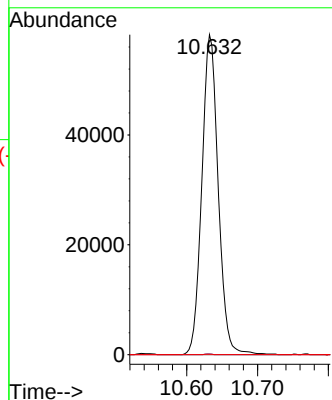
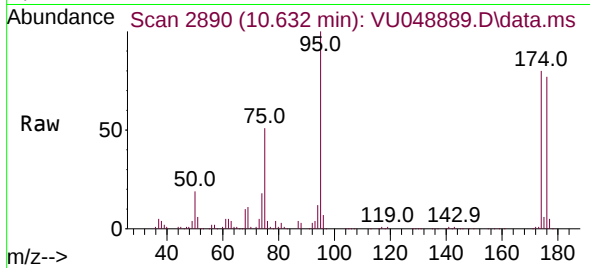




#81
trans-1,4-Dichloro-2-butene
Concen: 65.036 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

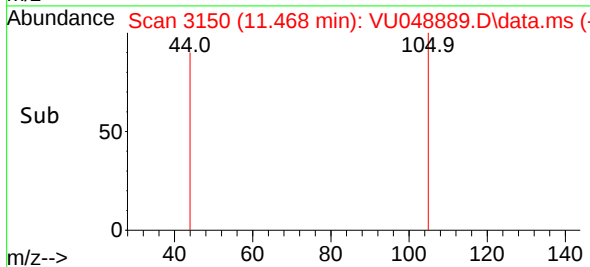
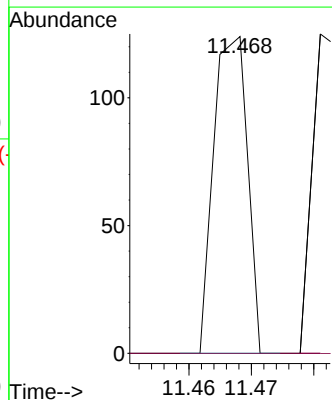
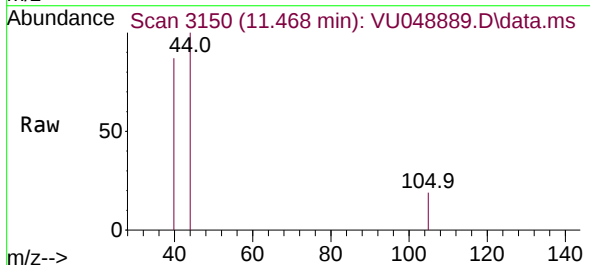
Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

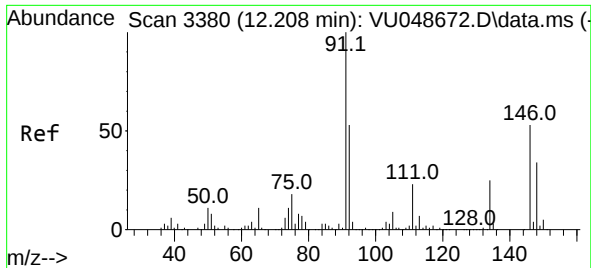
Tgt Ion: 75 Resp: 93417
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.192 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

Tgt Ion: 105 Resp: 46
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#

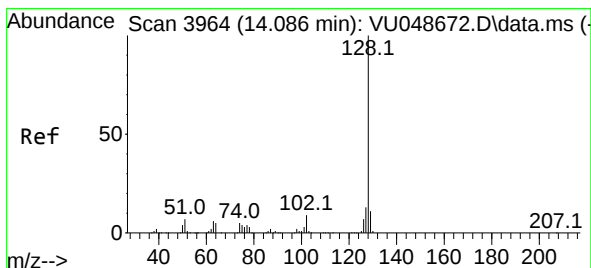
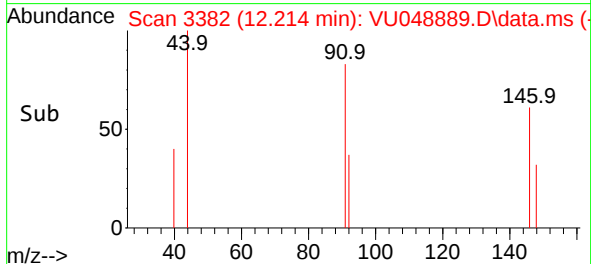
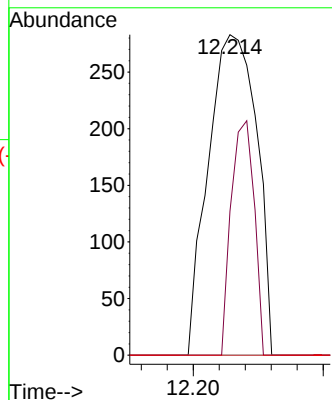
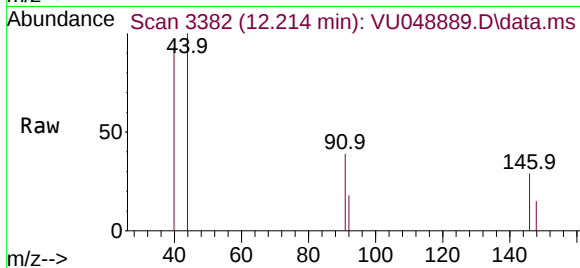




#89
n-Butylbenzene
Concen: 2.223 ug/l
RT: 12.214 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

Instrument :
MSVOA_U
ClientSampleId :
66BR-20220531

Tgt Ion: 91	Resp:	366
Ion Ratio	Lower	Upper
91	100	
92	34.7	25.9 77.8
134	0.0	12.5 37.5#



#95
Naphthalene
Concen: 2.707 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.016 min
Lab File: VU048889.D
Acq: 06 Jun 2022 17:52

Tgt Ion: 128	Resp:	2339
Ion Ratio	Lower	Upper
128	100	
127	9.7	10.2 15.4#
129	4.5	8.7 13.1#

