

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048921.D
 Acq On : 07 Jun 2022 19:45
 Operator : SY/MD
 Sample : N3166-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 54BR-20220601

Quant Time: Jun 08 04:56:21 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)

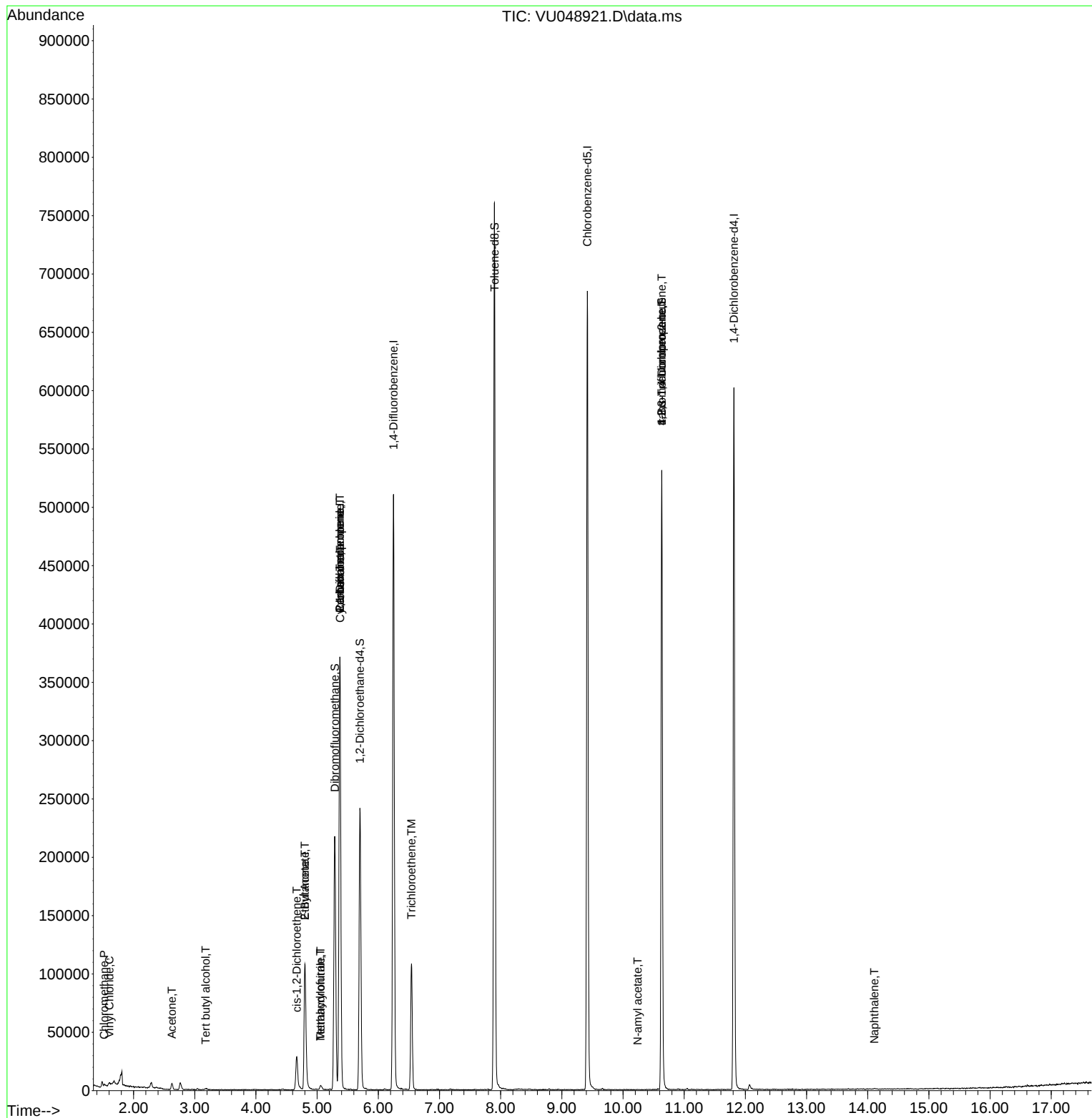
Internal Standards						
1) Pentafluorobenzene	5.372	168	249477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	407321	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	374254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	160121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	188594	50.336	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.680%	
35) Dibromofluoromethane	5.289	113	140116	48.217	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.440%	
50) Toluene-d8	7.899	98	494638	47.485	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 94.980%	
62) 4-Bromofluorobenzene	10.632	95	175174	44.466	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1320	0.359	ug/l	100
4) Vinyl Chloride	1.604	62	1359	0.399	ug/l	98
5) Bromomethane	1.845	94	40	Below Cal		96
6) Chloroethane	1.941	64	220	Below Cal	#	43
11) Tert butyl alcohol	3.179	59	751	0.791	ug/l #	28
16) Acetone	2.626	43	6143	3.217	ug/l	100
25) 2-Butanone	4.800	43	141191	51.473	ug/l #	49
27) cis-1,2-Dichloroethene	4.668	96	15249	4.536	ug/l	88
29) Tetrahydrofuran	5.054	42	1327	0.768	ug/l #	58
31) Cyclohexane	5.375	56	5210	1.103	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	20994	4.950	ug/l #	48
37) Ethyl Acetate	4.800	43	141191	26.334	ug/l	99
38) Carbon Tetrachloride	5.372	117	25302	5.200	ug/l #	18
41) Methacrylonitrile	5.057	41	1618	0.597	ug/l #	46
44) Trichloroethene	6.543	130	36703	11.378	ug/l	94
74) N-amyl acetate	10.240	43	21	2.471	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	91311	17.687	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.632	75	91311	64.218	ug/l #	13
95) Naphthalene	14.108	128	513	2.571	ug/l #	69

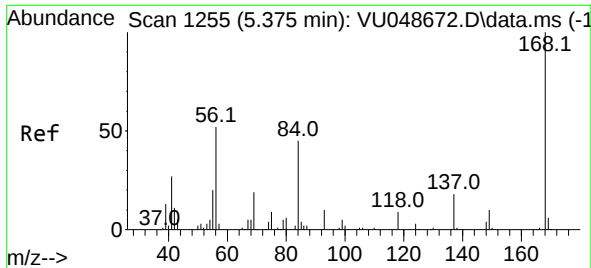
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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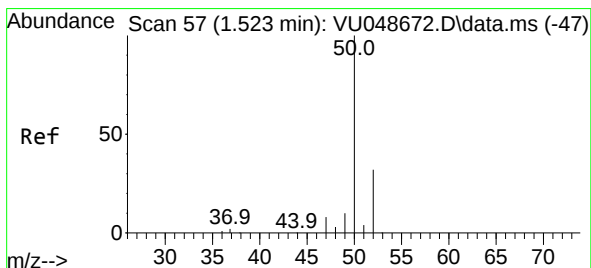
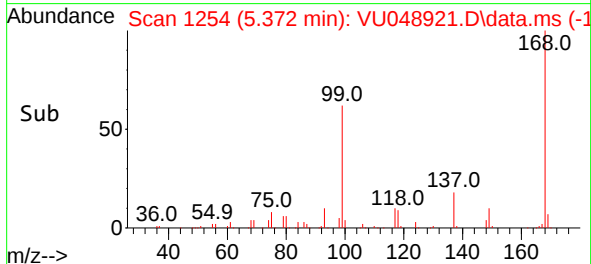
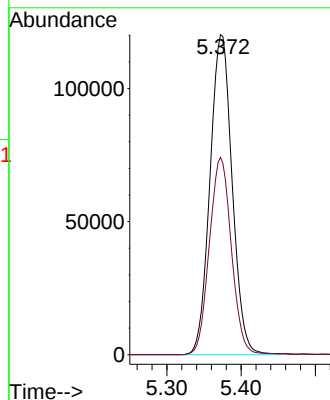
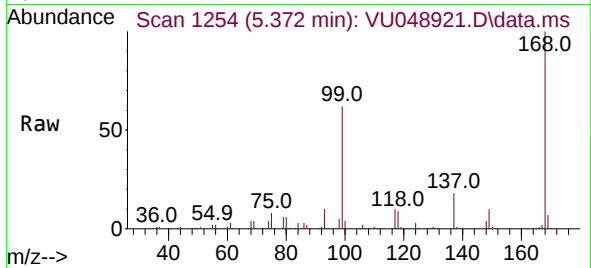




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048921.D
Acq: 07 Jun 2022 19:45

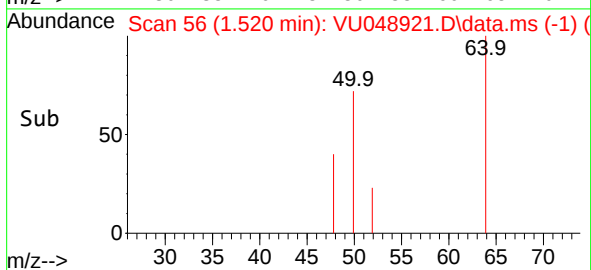
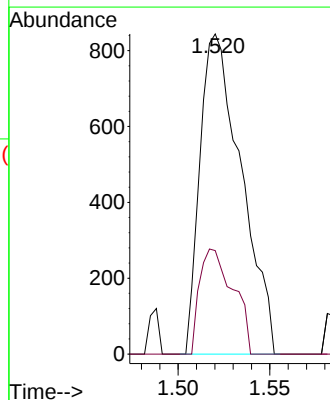
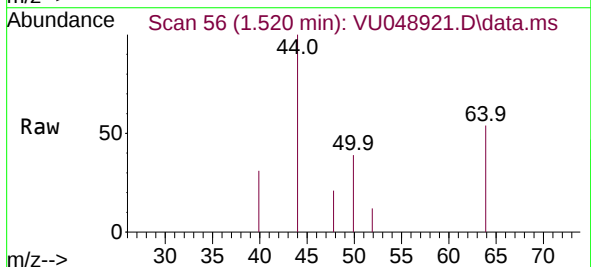
Instrument :
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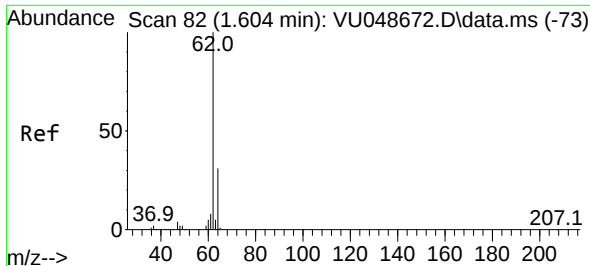
Tgt Ion:168 Resp: 249477
Ion Ratio Lower Upper
168 100
99 61.7 49.3 73.9



#3
Chloromethane
Concen: 0.359 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048921.D
Acq: 07 Jun 2022 19:45

Tgt Ion: 50 Resp: 1320
Ion Ratio Lower Upper
50 100
52 32.3 25.7 38.5

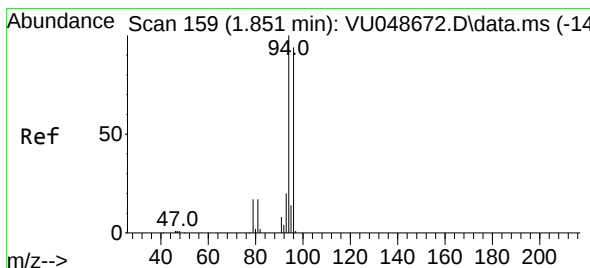
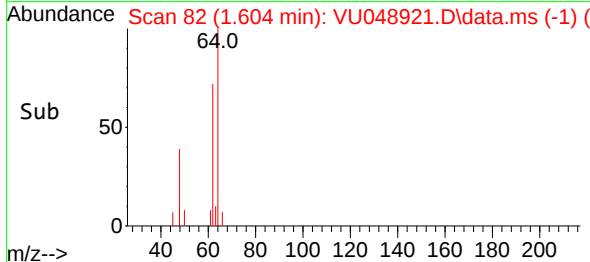
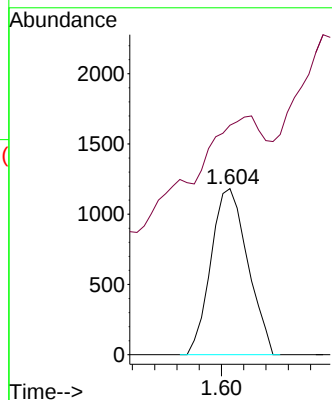
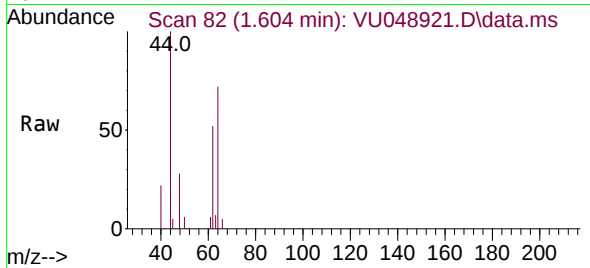




#4
 Vinyl Chloride
 Concen: 0.399 ug/l
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU048921.D
 Acq: 07 Jun 2022 19:45

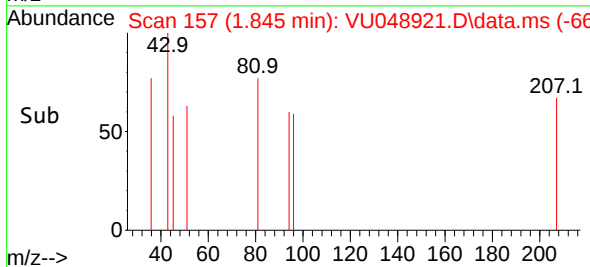
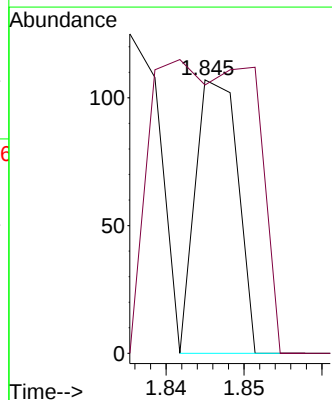
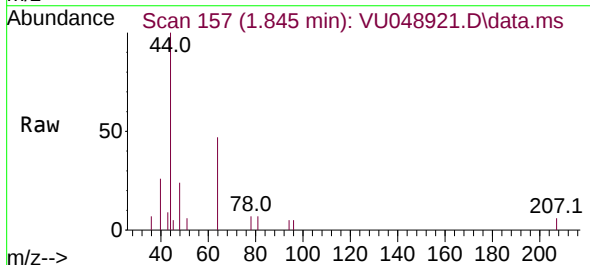
Instrument :
 MSVOA_U
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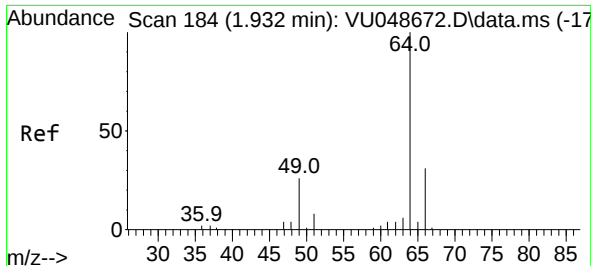
Tgt Ion: 62 Resp: 1359
 Ion Ratio Lower Upper
 62 100
 64 32.7 25.2 37.8



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.845 min Scan# 157
 Delta R.T. -0.006 min
 Lab File: VU048921.D
 Acq: 07 Jun 2022 19:45

Tgt Ion: 94 Resp: 40
 Ion Ratio Lower Upper
 94 100
 96 98.1 75.1 112.7

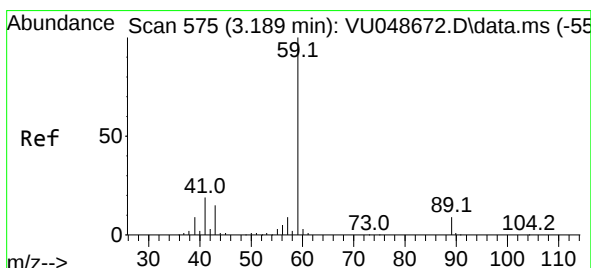
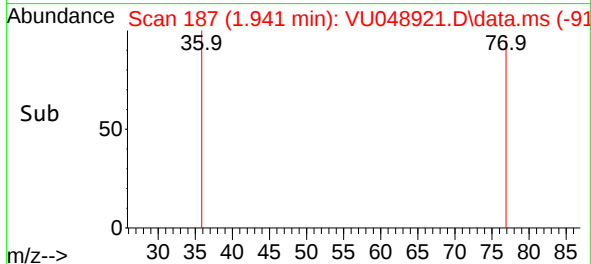
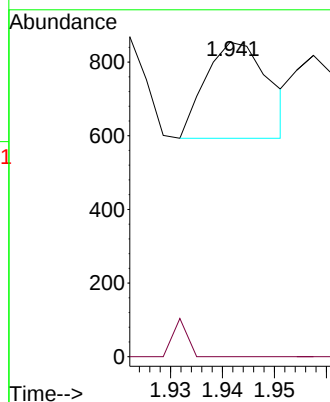
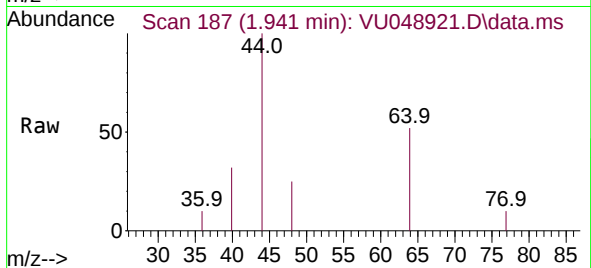




#6
Chloroethane
Concen: Below Cal
RT: 1.941 min Scan# 11
Delta R.T. 0.009 min
Lab File: VU048921.D
Acq: 07 Jun 2022 19:45

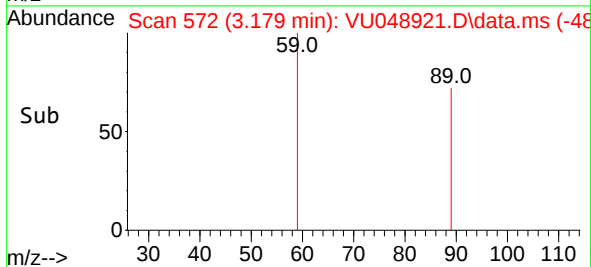
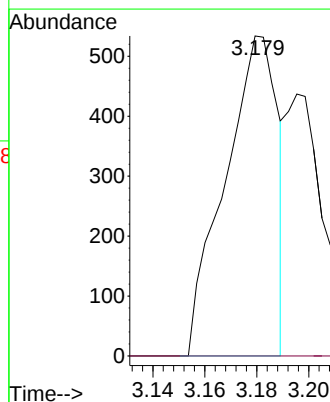
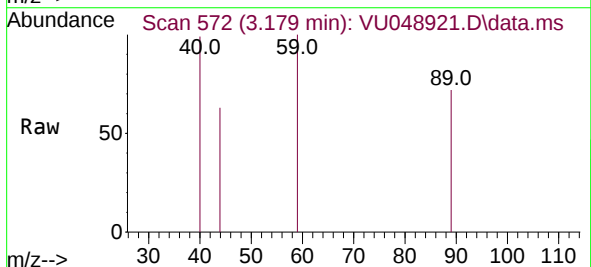
Instrument :
MSVOA_U
ClientSampleId :
54BR-20220601

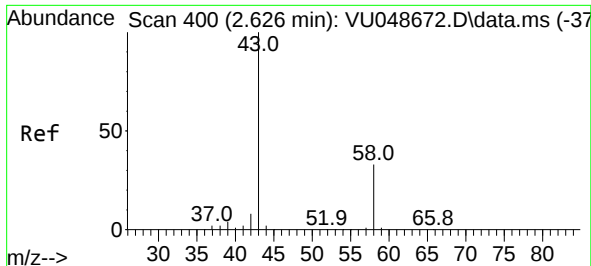
Tgt Ion: 64 Resp: 220
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 0.791 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.010 min
Lab File: VU048921.D
Acq: 07 Jun 2022 19:45

Tgt Ion: 59 Resp: 751
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

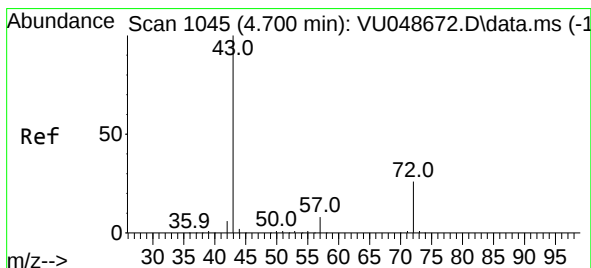
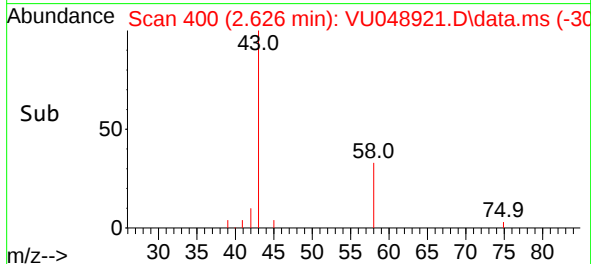
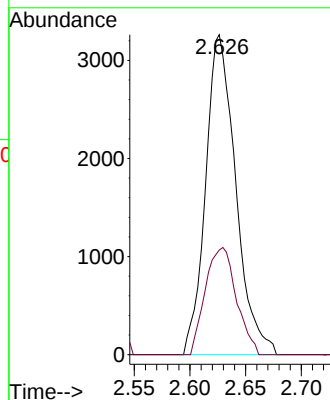
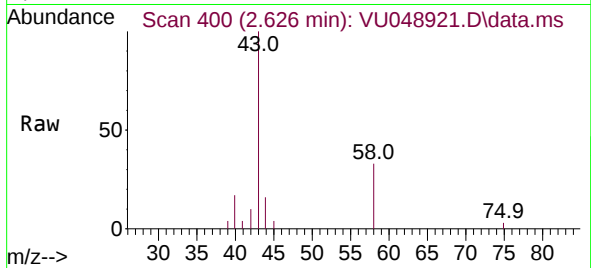




#16
Acetone
Concen: 3.217 ug/l
RT: 2.626 min Scan# 40
Delta R.T. 0.000 min
Lab File: VU048921.D
Acq: 07 Jun 2022 19:45

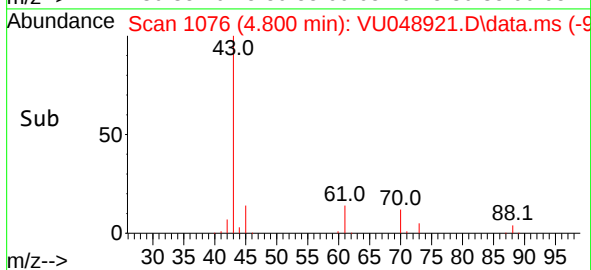
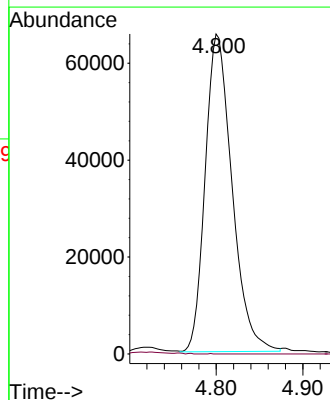
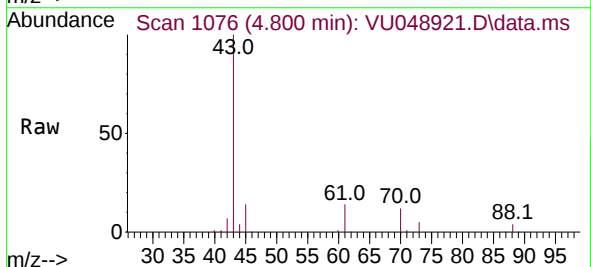
Instrument :
MSVOA_U
ClientSampleId :
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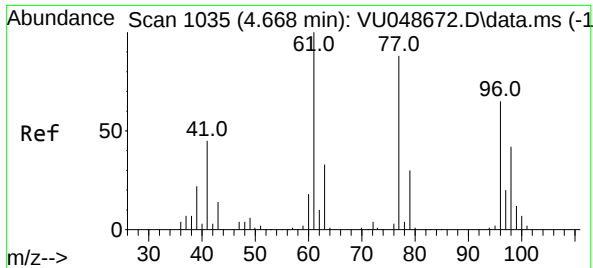
Tgt Ion: 43 Resp: 6143
Ion Ratio Lower Upper
43 100
58 32.7 26.3 39.5



#25
2-Butanone
Concen: 51.473 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.100 min
Lab File: VU048921.D
Acq: 07 Jun 2022 19:45

Tgt Ion: 43 Resp: 141191
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#





#27

cis-1,2-Dichloroethene

Concen: 4.536 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU048921.D

Acq: 07 Jun 2022 19:45

Instrument :

MSVOA_U

ClientSampleId :

54BR-20220601

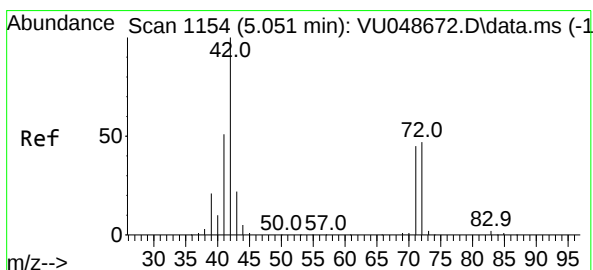
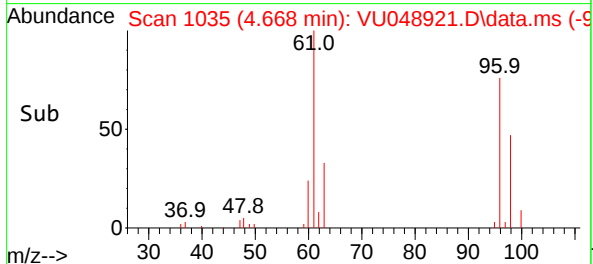
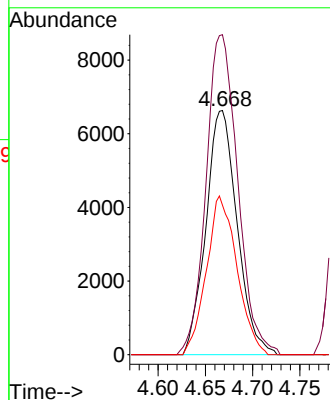
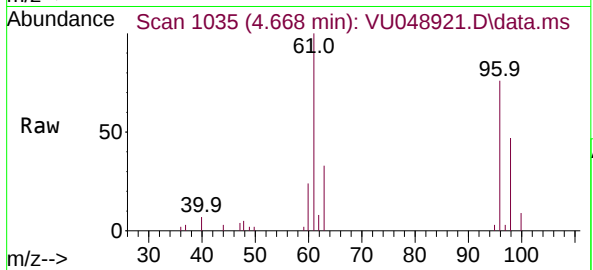
Tgt Ion: 96 Resp: 15249

Ion Ratio Lower Upper

96 100

61 133.1 0.0 306.2

98 63.5 0.0 130.4



#29

Tetrahydrofuran

Concen: 0.768 ug/l

RT: 5.054 min Scan# 1155

Delta R.T. 0.003 min

Lab File: VU048921.D

Acq: 07 Jun 2022 19:45

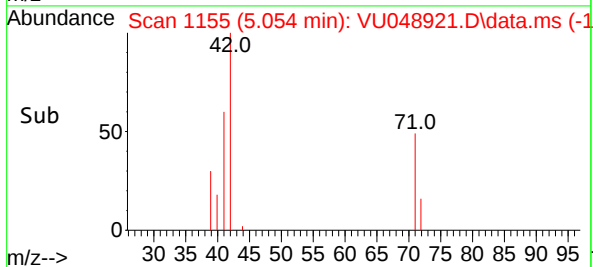
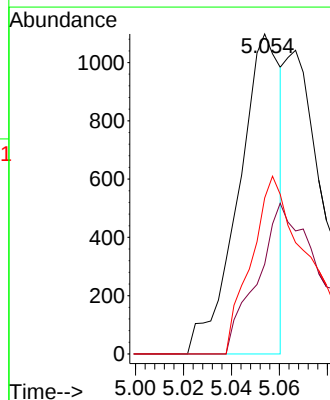
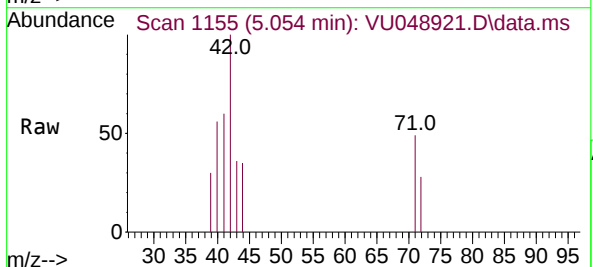
Tgt Ion: 42 Resp: 1327

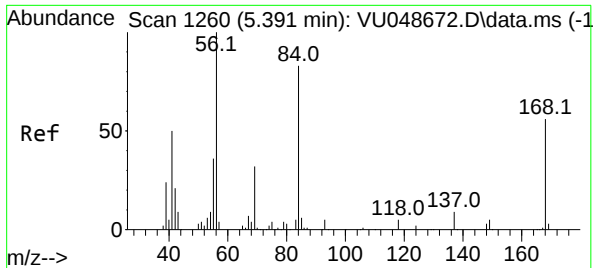
Ion Ratio Lower Upper

42 100

72 71.1 37.6 56.4#

71 74.3 35.0 52.4#

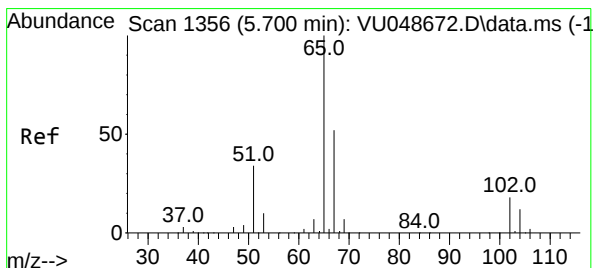
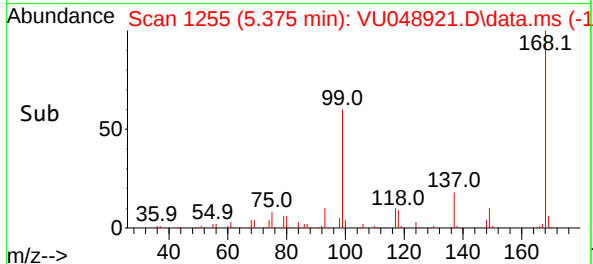
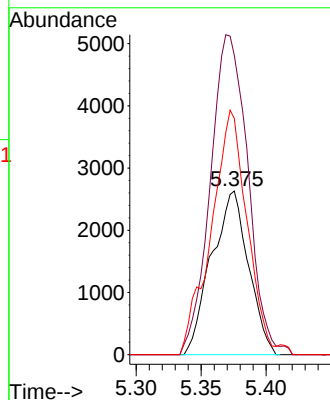
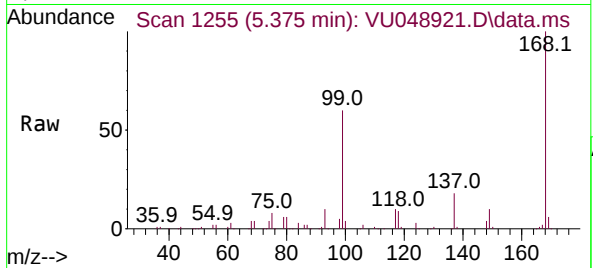




#31
Cyclohexane
Concen: 1.103 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU048921.D
Acq: 07 Jun 2022 19:45

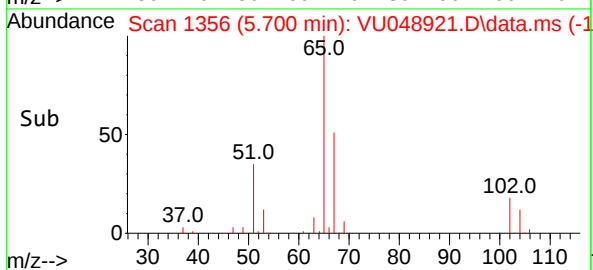
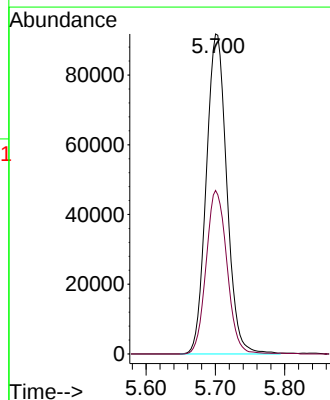
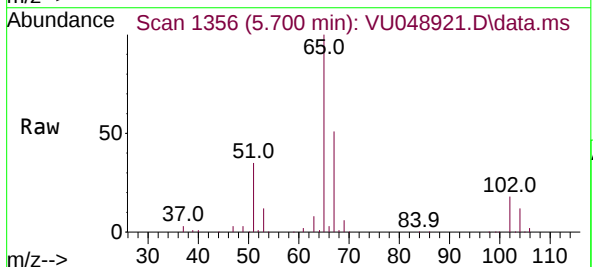
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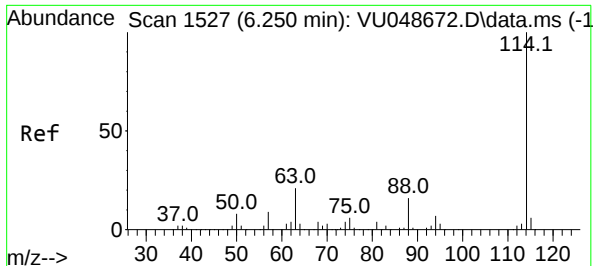
Tgt Ion: 56	Resp: 5210
Ion Ratio	Lower Upper
56 100	
69 182.9	25.6 38.4#
84 144.4	66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 50.336 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU048921.D
Acq: 07 Jun 2022 19:45

Tgt Ion: 65	Resp: 188594
Ion Ratio	Lower Upper
65 100	
67 51.8	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: VU048921.D

Acq: 07 Jun 2022 19:45

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MSVOA_U

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54BR-20220601

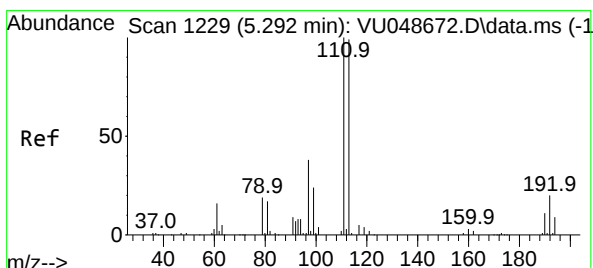
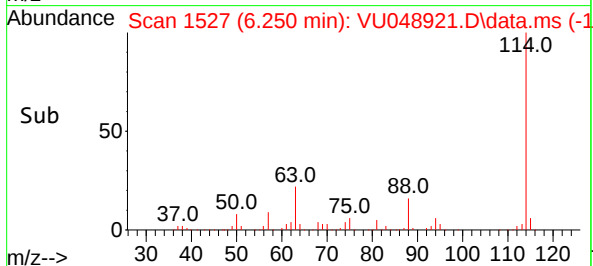
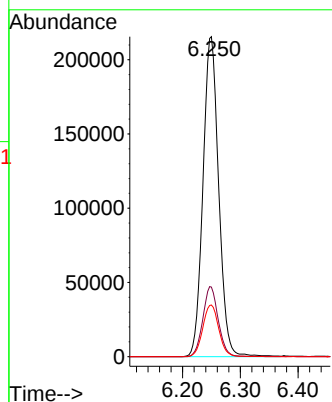
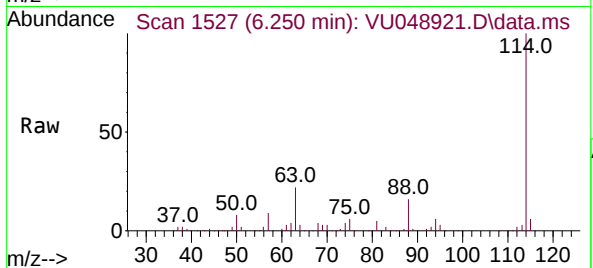
Tgt Ion:114 Resp: 407321

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.6

88 16.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.217 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048921.D

Acq: 07 Jun 2022 19:45

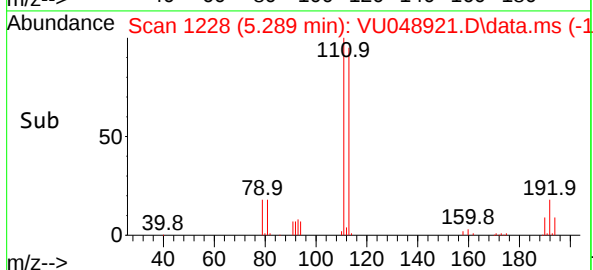
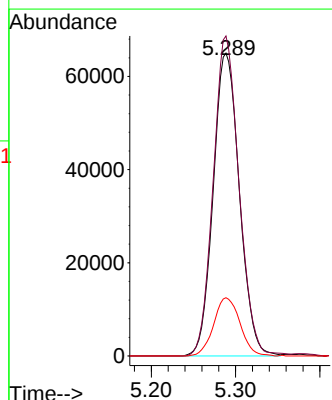
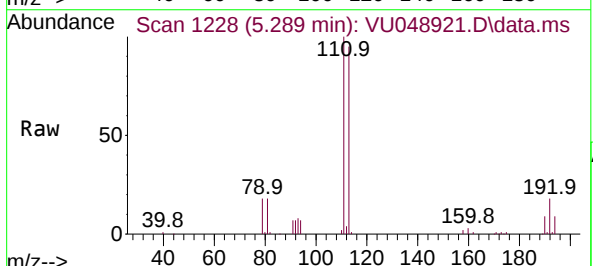
Tgt Ion:113 Resp: 140116

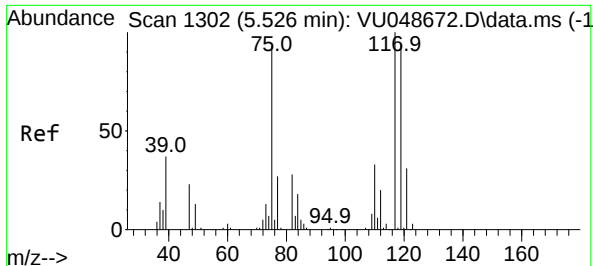
Ion Ratio Lower Upper

113 100

111 104.3 80.7 121.1

192 19.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.950 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU048921.D

Acq: 07 Jun 2022 19:45

Instrument :

MSVOA_U

ClientSampleId :

54BR-20220601

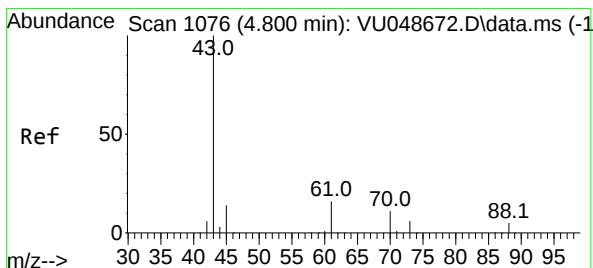
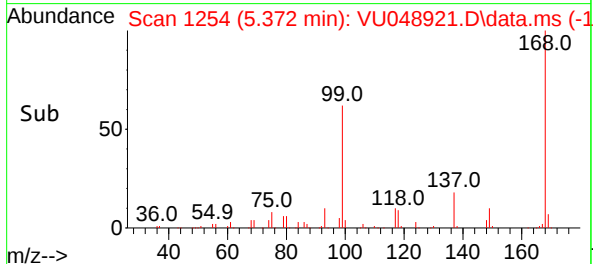
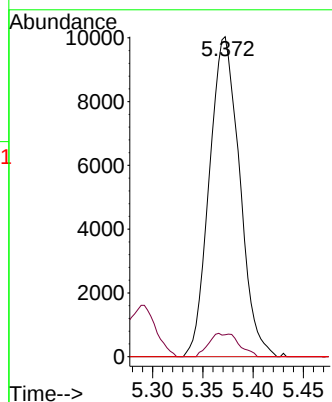
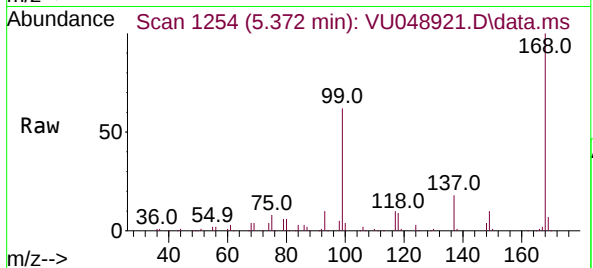
Tgt Ion: 75 Resp: 20994

Ion Ratio Lower Upper

75 100

110 7.2 17.4 52.3#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 26.334 ug/l

RT: 4.800 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VU048921.D

Acq: 07 Jun 2022 19:45

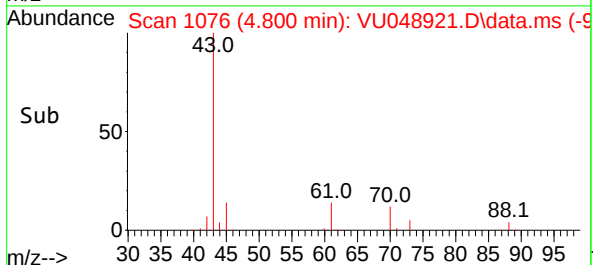
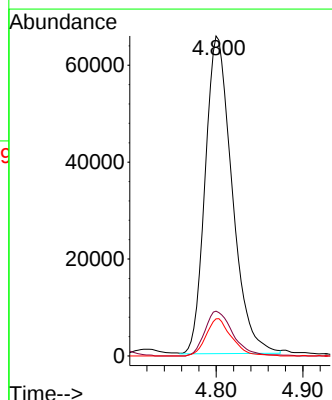
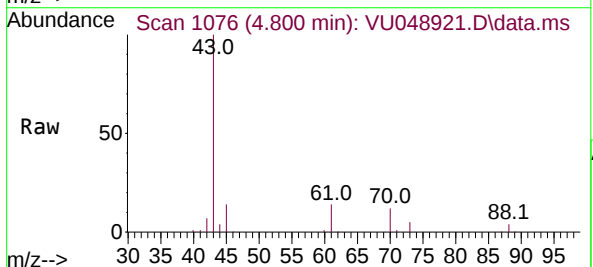
Tgt Ion: 43 Resp: 141191

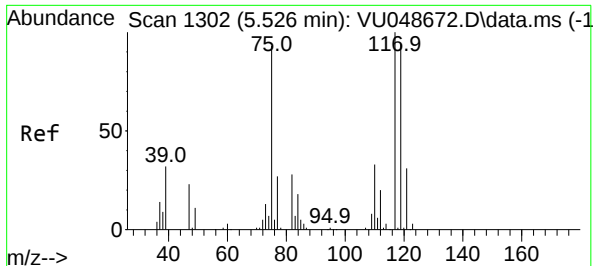
Ion Ratio Lower Upper

43 100

61 14.8 11.7 17.5

70 11.2 8.4 12.6





#38

Carbon Tetrachloride

Concen: 5.200 ug/l

RT: 5.372 min Scan# 1156

Delta R.T. -0.154 min

Lab File: VU048921.D

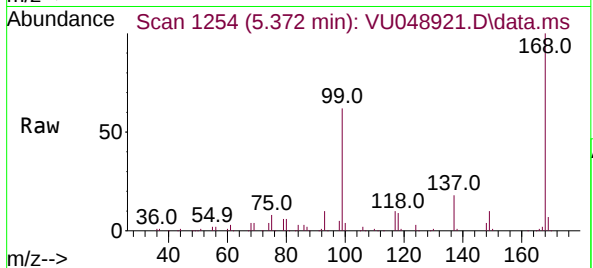
Acq: 07 Jun 2022 19:45

Instrument :

MSVOA_U

ClientSampleId :

54BR-20220601



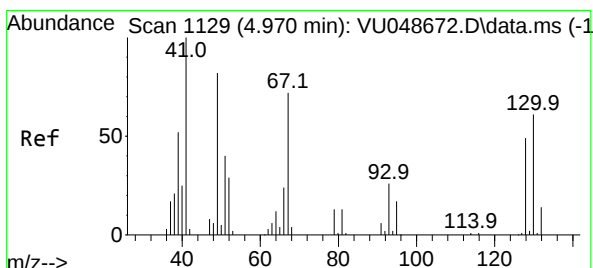
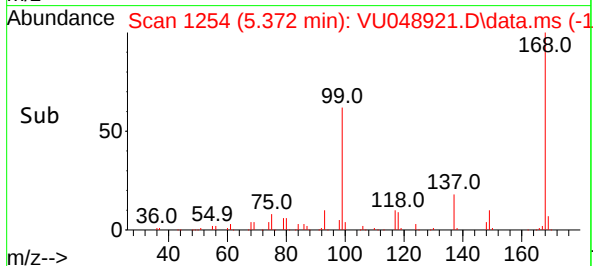
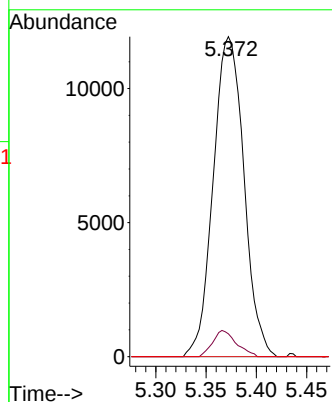
Tgt Ion:117 Resp: 25302

Ion Ratio Lower Upper

117 100

119 7.1 75.4 113.2#

121 0.0 24.6 36.8#



#41

Methacrylonitrile

Concen: 0.597 ug/l

RT: 5.057 min Scan# 1156

Delta R.T. 0.087 min

Lab File: VU048921.D

Acq: 07 Jun 2022 19:45

Tgt Ion: 41 Resp: 1618

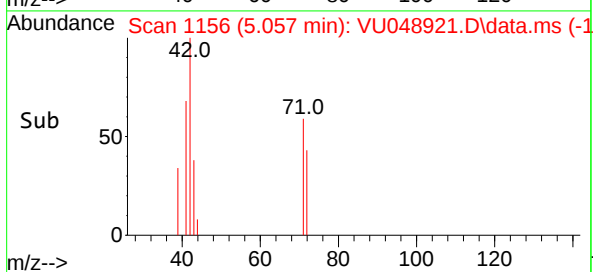
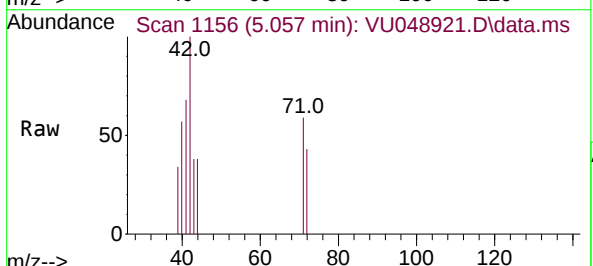
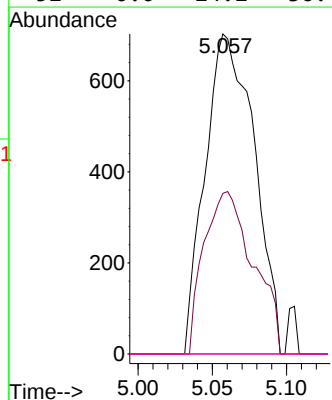
Ion Ratio Lower Upper

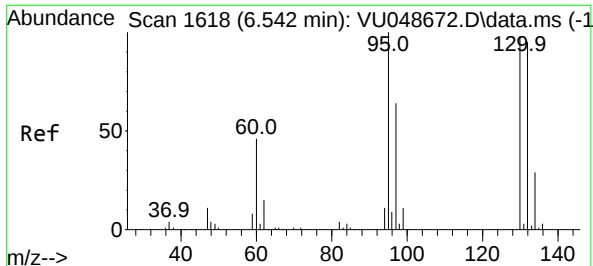
41 100

39 51.0 42.6 64.0

67 0.0 61.0 91.4#

52 0.0 24.2 36.4#

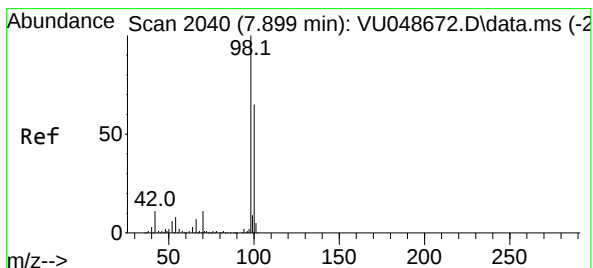
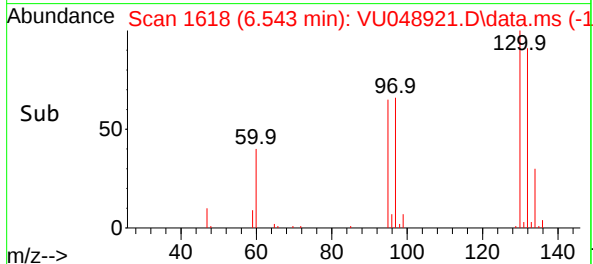
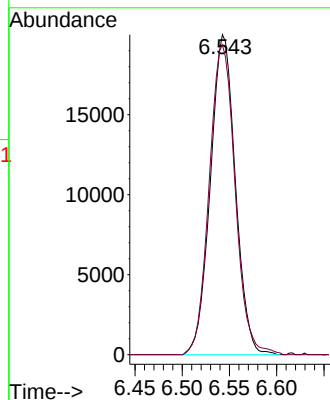
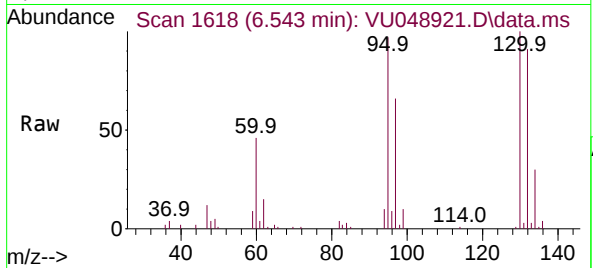




#44
Trichloroethene
Concen: 11.378 ug/l
RT: 6.543 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU048921.D
Acq: 07 Jun 2022 19:45

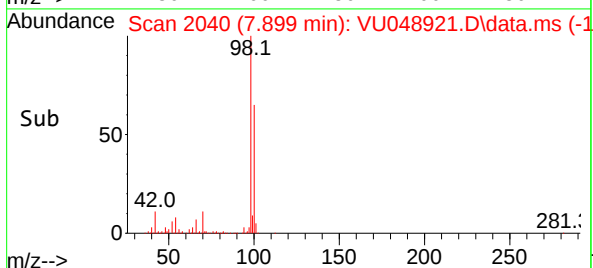
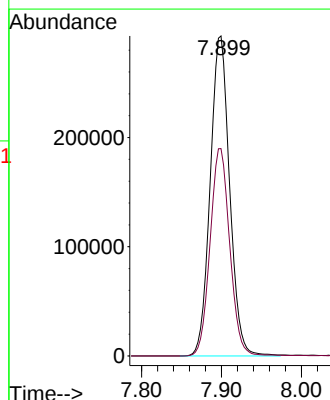
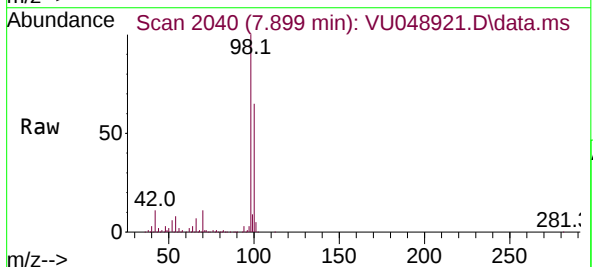
Instrument :
MSVOA_U
ClientSampleId :
54BR-20220601

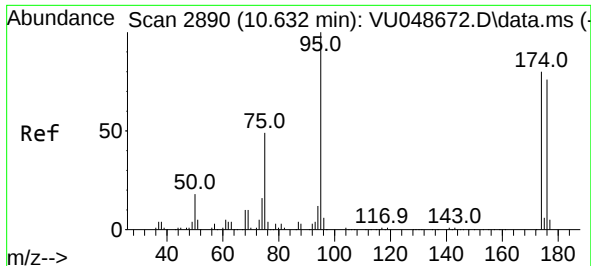
Tgt Ion:130 Resp: 36703
Ion Ratio Lower Upper
130 100
95 96.8 0.0 204.8



#50
Toluene-d8
Concen: 47.485 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048921.D
Acq: 07 Jun 2022 19:45

Tgt Ion: 98 Resp: 494638
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4

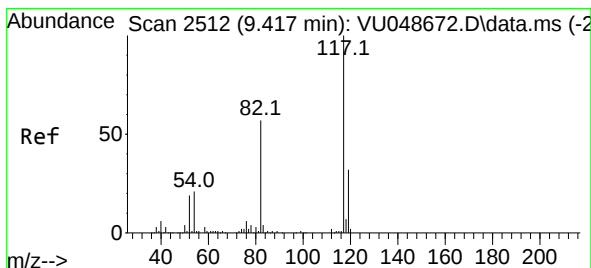
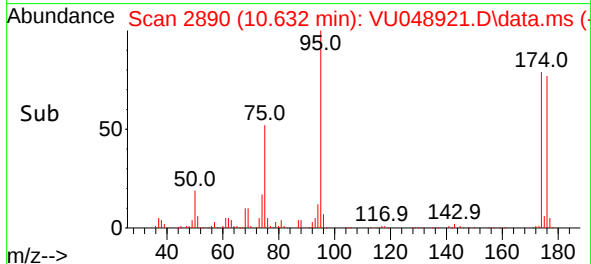
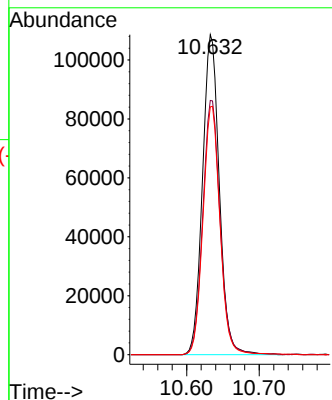
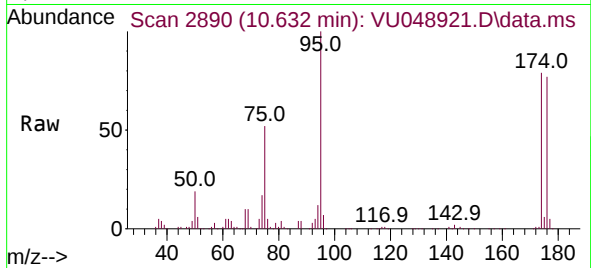




#62
4-Bromofluorobenzene
Concen: 44.466 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048921.D
Acq: 07 Jun 2022 19:45

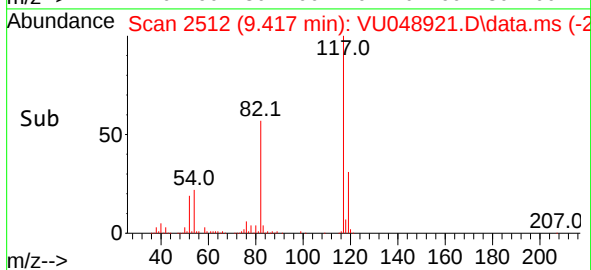
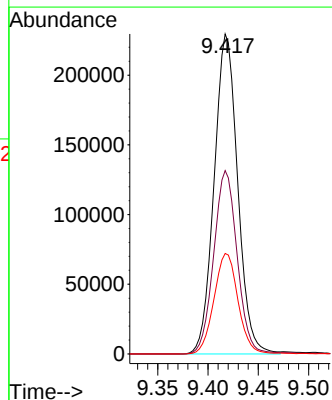
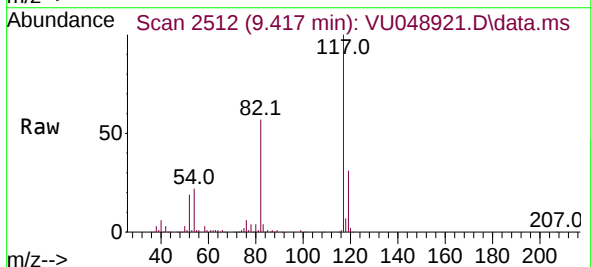
Instrument :
MSVOA_U
ClientSampleId :
54BR-20220601

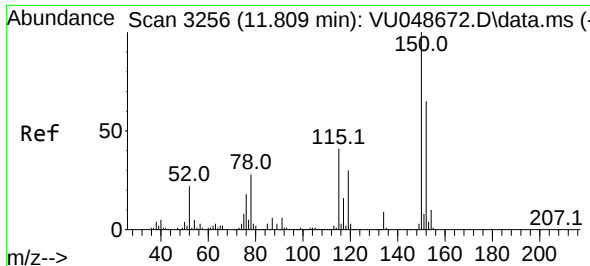
Tgt Ion: 95 Resp: 175174
Ion Ratio Lower Upper
95 100
174 81.9 0.0 159.4
176 78.4 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. 0.000 min
Lab File: VU048921.D
Acq: 07 Jun 2022 19:45

Tgt Ion: 117 Resp: 374254
Ion Ratio Lower Upper
117 100
82 57.3 45.3 67.9
119 31.4 25.4 38.2

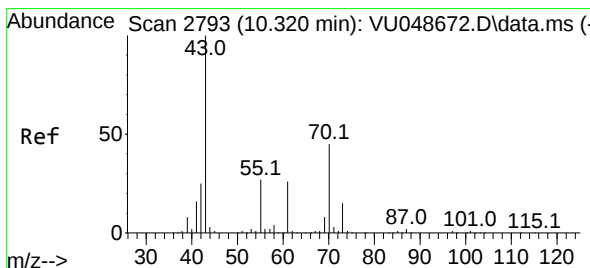
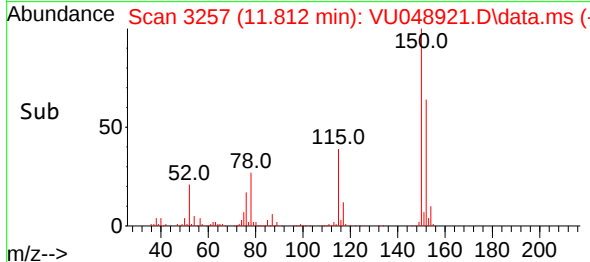
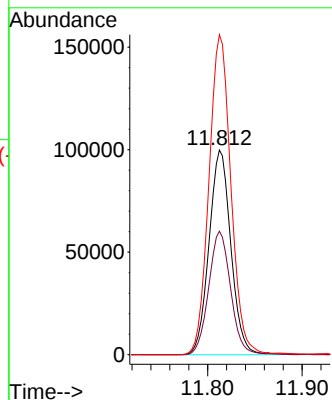
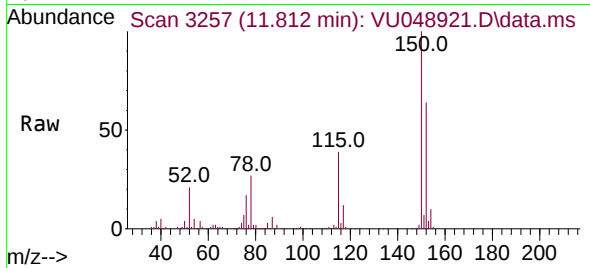




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048921.D
Acq: 07 Jun 2022 19:45

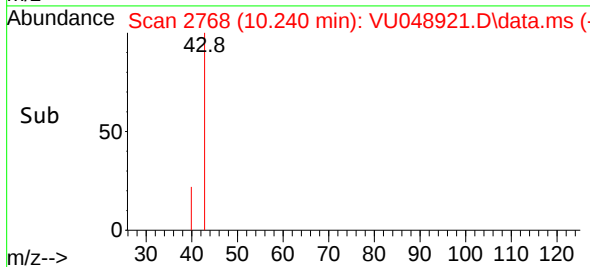
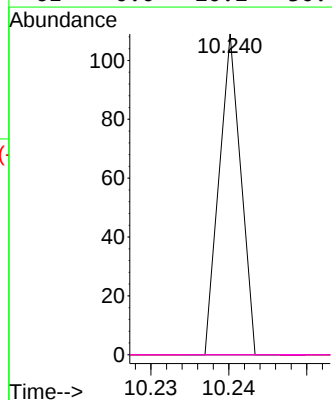
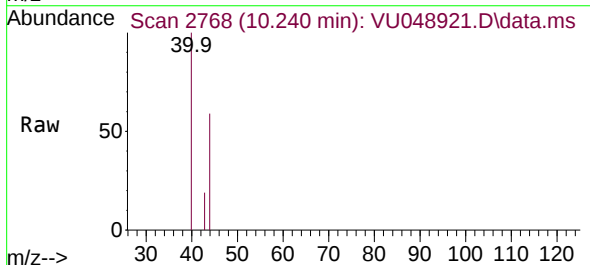
Instrument :
MSVOA_U
ClientSampleId :
54BR-20220601

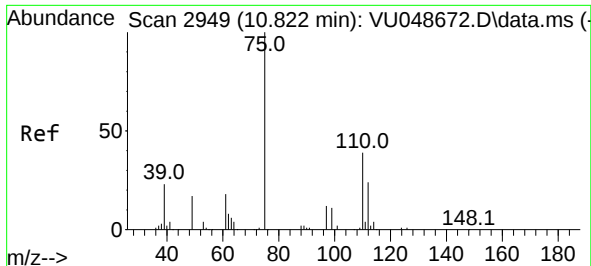
Tgt Ion:152 Resp: 160121
Ion Ratio Lower Upper
152 100
115 60.5 41.8 125.4
150 157.0 0.0 341.0



#74
N-ethyl acetate
Concen: 2.471 ug/l
RT: 10.240 min Scan# 2768
Delta R.T. -0.080 min
Lab File: VU048921.D
Acq: 07 Jun 2022 19:45

Tgt Ion: 43 Resp: 21
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#

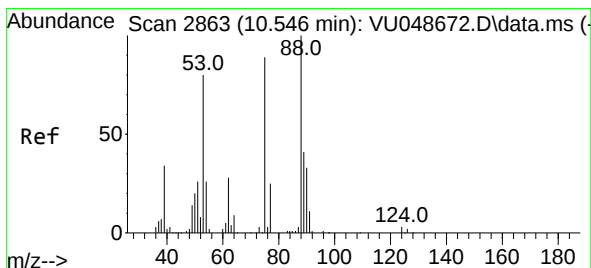
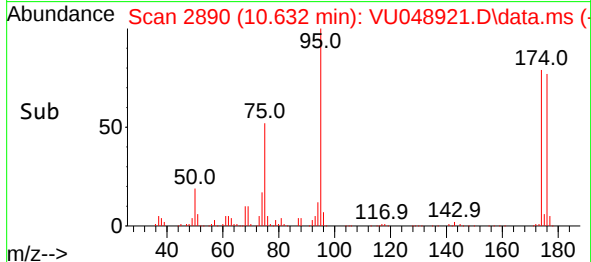
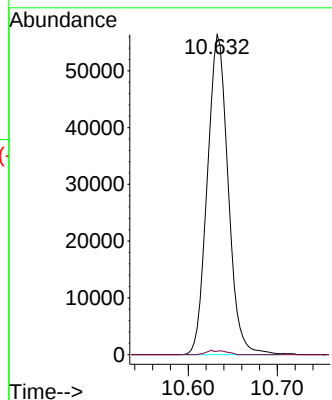
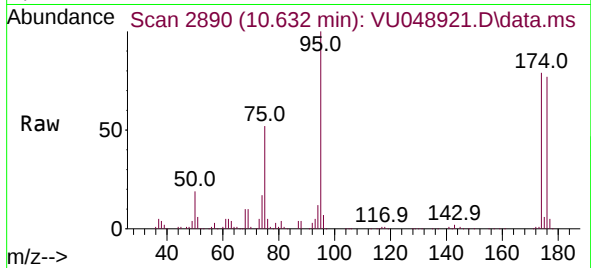




#76
1,2,3-Trichloropropane
Concen: 17.687 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048921.D
Acq: 07 Jun 2022 19:45

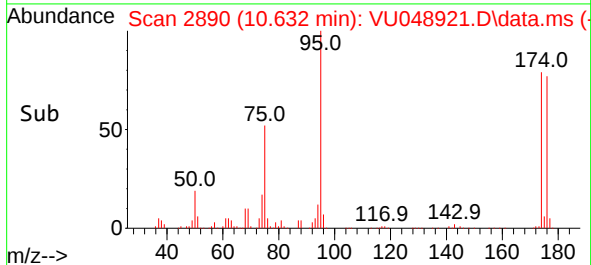
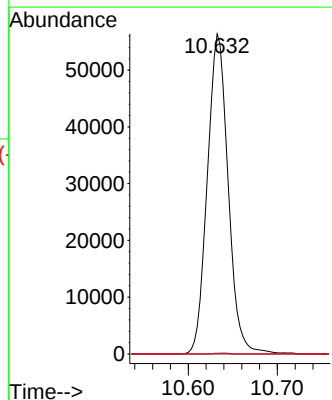
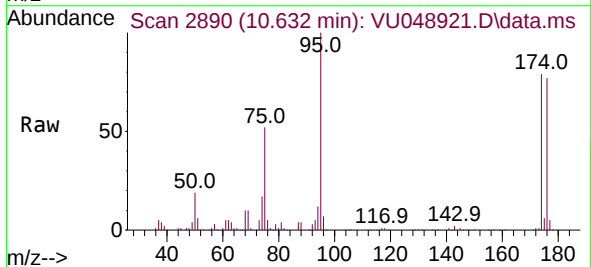
Instrument :
MSVOA_U
ClientSampleId :
54BR-20220601

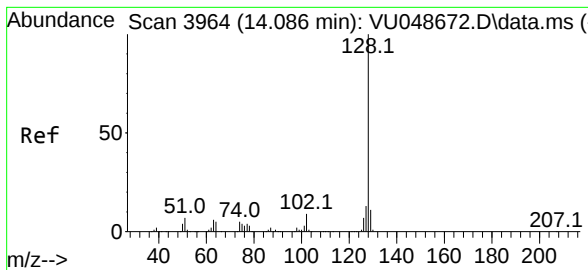
Tgt Ion: 75 Resp: 91311
Ion Ratio Lower Upper
75 100
77 0.7 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.218 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048921.D
Acq: 07 Jun 2022 19:45

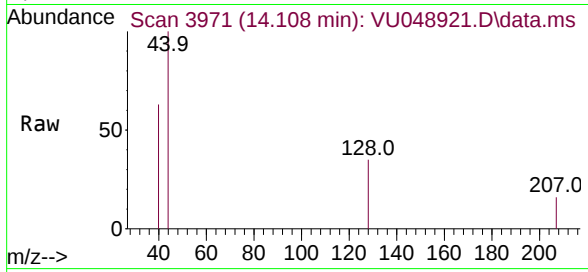
Tgt Ion: 75 Resp: 91311
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.0 37.0 55.4#





#95
 Naphthalene
 Concen: 2.571 ug/l
 RT: 14.108 min Scan# 3964
 Delta R.T. 0.022 min
 Lab File: VU048921.D
 Acq: 07 Jun 2022 19:45

Instrument : MSVOA_U
 ClientSampleId : 54BR-20220601



Tgt Ion:	128	Resp:	513
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.7	13.1#

