

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048947.D
 Acq On : 08 Jun 2022 06:32
 Operator : SY/MD
 Sample : N3164-20
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 42BR-20220531

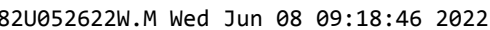
Quant Time: Jun 08 09:18:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.372	168	249596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	406838	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	369673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	154685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	190671	50.867	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.740%
35) Dibromofluoromethane	5.289	113	142514	49.101	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.200%
50) Toluene-d8	7.899	98	493820	47.463	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.920%
62) 4-Bromofluorobenzene	10.632	95	170638	43.366	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.740%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	947	0.257	ug/l	96
5) Bromomethane	1.855	94	268	Below Cal	#	68
6) Chloroethane	1.929	64	323	Below Cal	#	43
11) Tert butyl alcohol	3.186	59	9843	10.357	ug/l #	28
16) Acetone	2.636	43	9218	4.825	ug/l	90
18) Methyl Acetate	2.806	43	5966	1.244	ug/l #	51
25) 2-Butanone	4.732	43	2111	0.769	ug/l	97
29) Tetrahydrofuran	5.073	42	1107	0.640	ug/l #	73
31) Cyclohexane	5.375	56	4968	1.052	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	21095	4.980	ug/l #	51
37) Ethyl Acetate	4.809	43	50911	9.507	ug/l	99
38) Carbon Tetrachloride	5.372	117	25198	5.185	ug/l #	16
41) Methacrylonitrile	5.076	41	656	0.242	ug/l #	44
76) 1,2,3-Trichloropropane	10.632	75	87835	17.611	ug/l #	48
81) trans-1,4-Dichloro-2-b...	10.632	75	87835	63.944	ug/l #	13
95) Naphthalene	14.098	128	158	2.545	ug/l #	77

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

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QLast Update : Fri May 27 06:42:31 2022
Response via : Initial Calibration

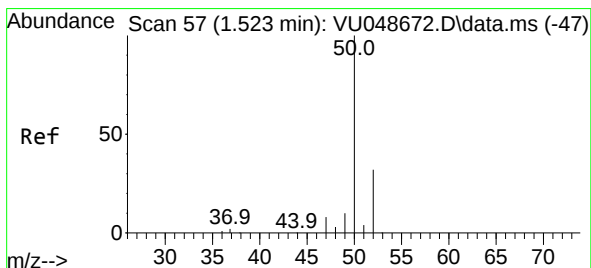
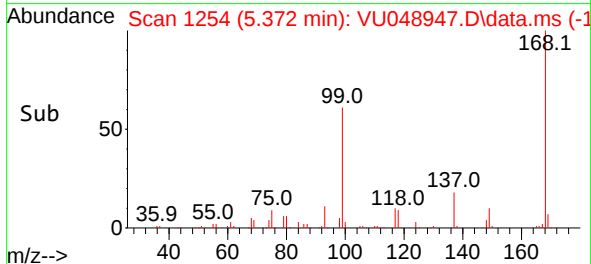
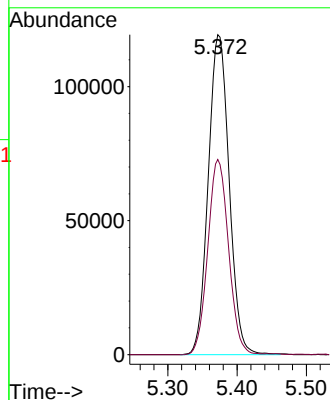
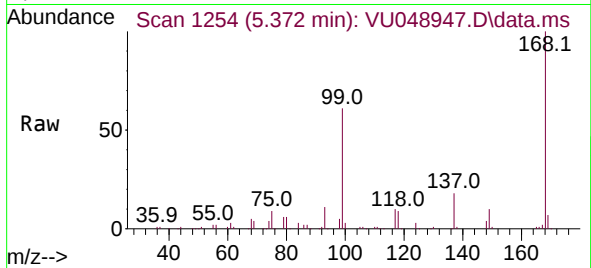




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048947.D
Acq: 08 Jun 2022 06:32

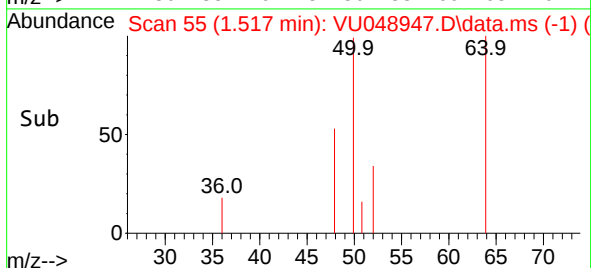
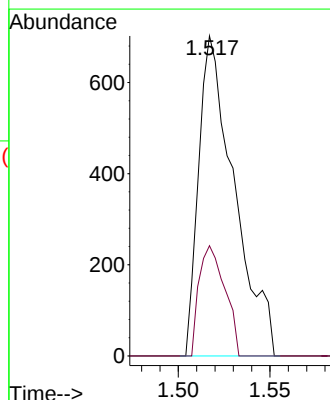
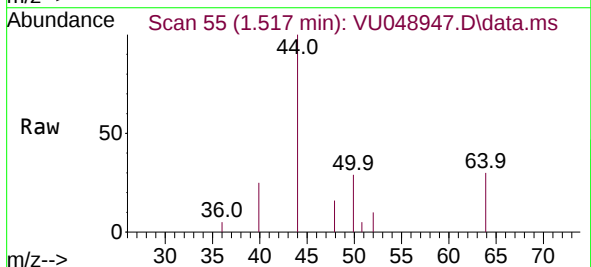
Instrument :
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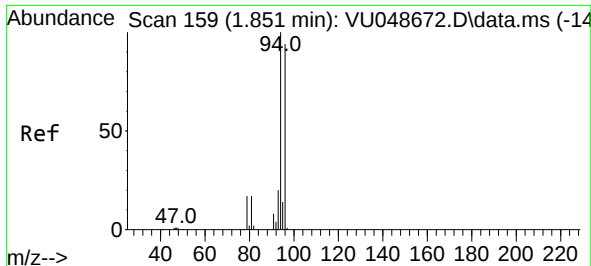
Tgt Ion:168 Resp: 249596
Ion Ratio Lower Upper
168 100
99 61.0 49.3 73.9



#3
Chloromethane
Concen: 0.257 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.006 min
Lab File: VU048947.D
Acq: 08 Jun 2022 06:32

Tgt Ion: 50 Resp: 947
Ion Ratio Lower Upper
50 100
52 34.5 25.7 38.5

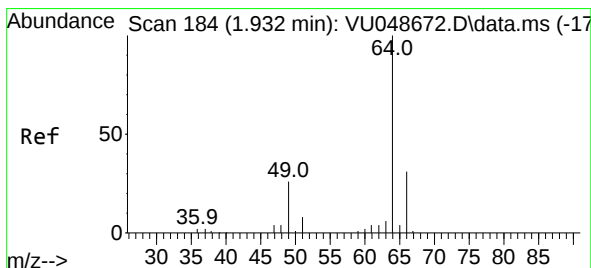
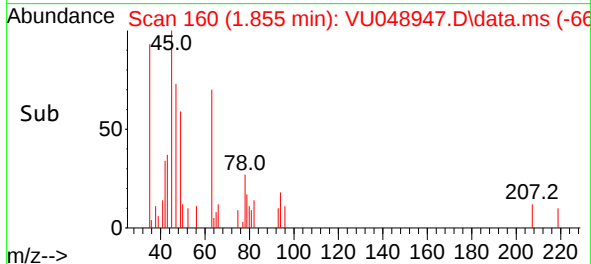
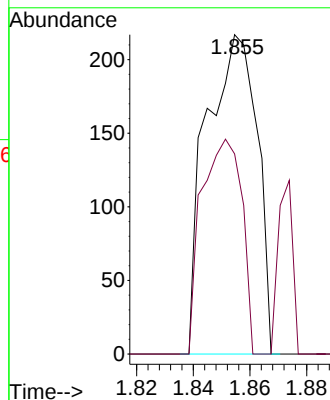
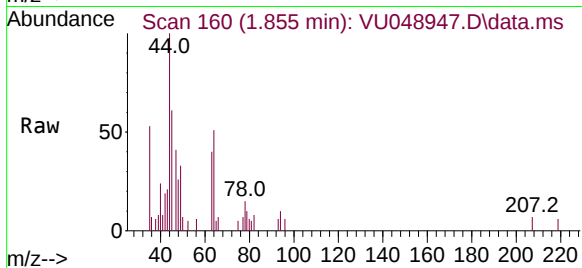




#5
Bromomethane
Concen: Below Cal
RT: 1.855 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU048947.D
Acq: 08 Jun 2022 06:32

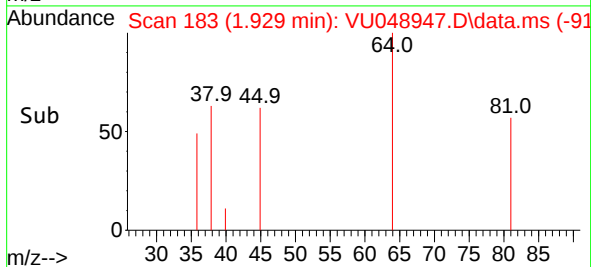
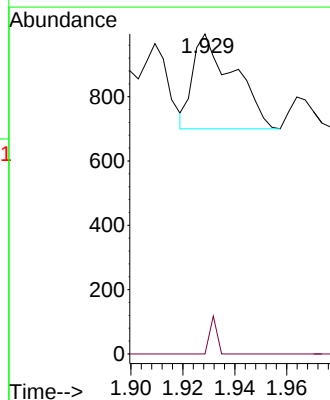
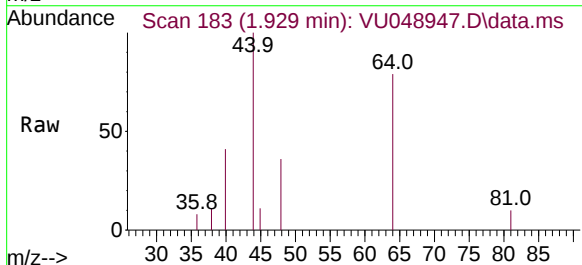
Instrument :
MSVOA_U
ClientSampleId :
42BR-20220531

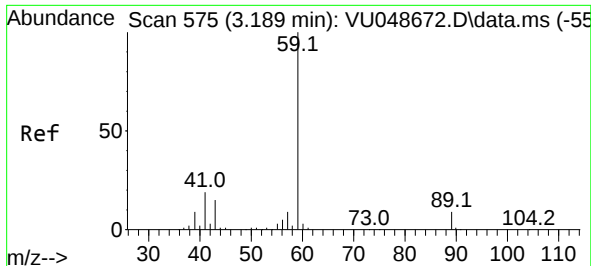
Tgt Ion: 94 Resp: 268
Ion Ratio Lower Upper
94 100
96 62.7 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.929 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU048947.D
Acq: 08 Jun 2022 06:32

Tgt Ion: 64 Resp: 323
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

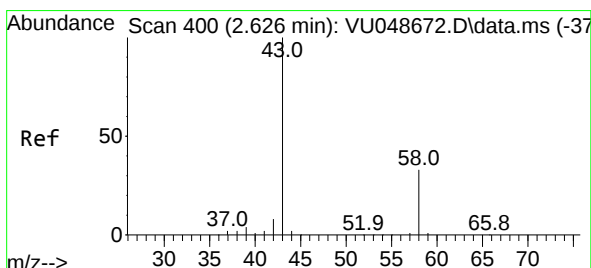
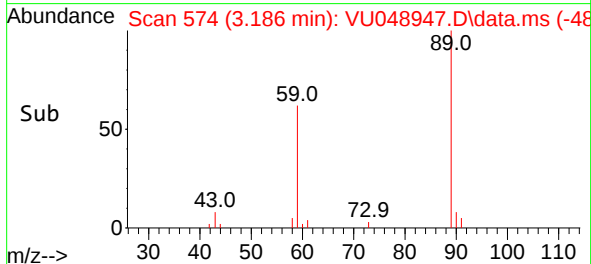
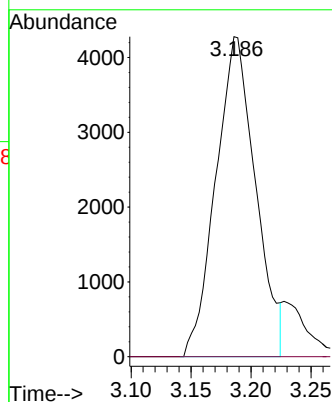
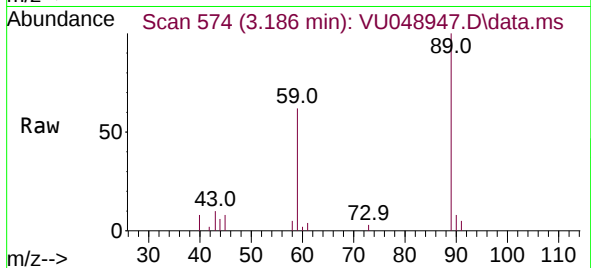




#11
Tert butyl alcohol
Concen: 10.357 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048947.D
Acq: 08 Jun 2022 06:32

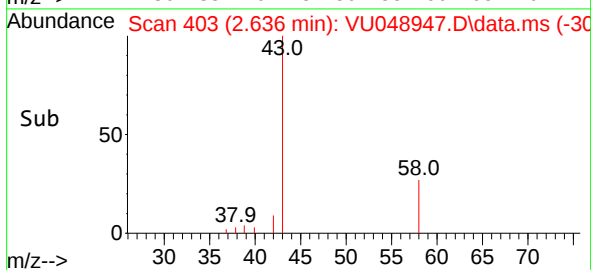
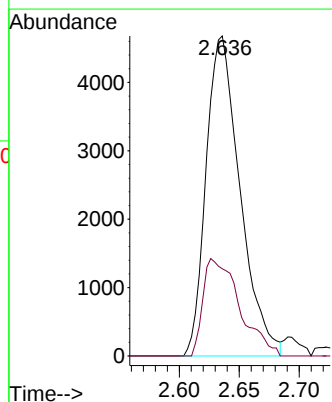
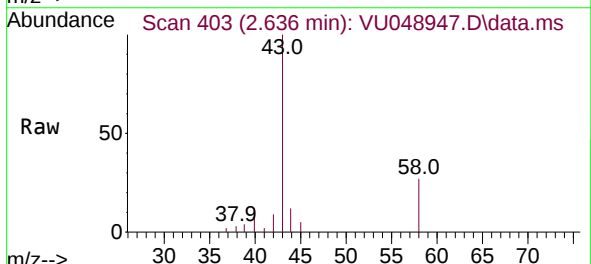
Instrument :
MSVOA_U
ClientSampleId :
42BR-20220531

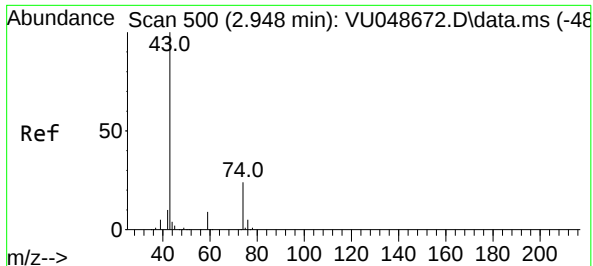
Tgt Ion: 59 Resp: 9843
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#16
Acetone
Concen: 4.825 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.010 min
Lab File: VU048947.D
Acq: 08 Jun 2022 06:32

Tgt Ion: 43 Resp: 9218
Ion Ratio Lower Upper
43 100
58 27.3 26.3 39.5





#18

Methyl Acetate

Concen: 1.244 ug/l

RT: 2.806 min Scan# 41

Delta R.T. -0.141 min

Lab File: VU048947.D

Acq: 08 Jun 2022 06:32

Instrument :

MSVOA_U

ClientSampleId :

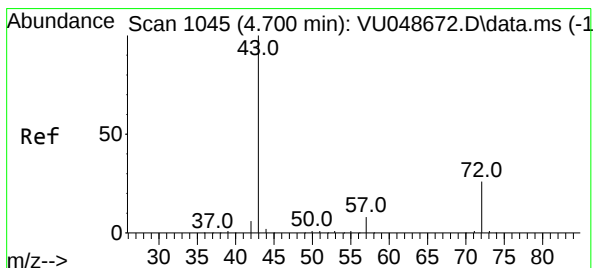
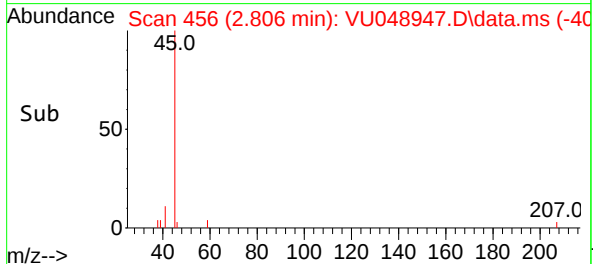
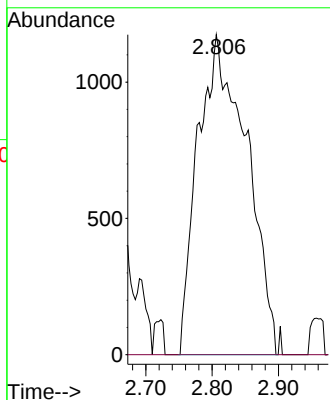
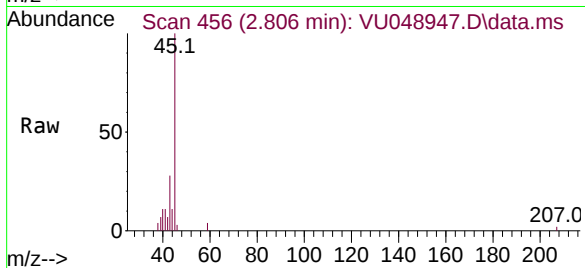
42BR-20220531

Tgt Ion: 43 Resp: 5966

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



#25

2-Butanone

Concen: 0.769 ug/l

RT: 4.732 min Scan# 1055

Delta R.T. 0.032 min

Lab File: VU048947.D

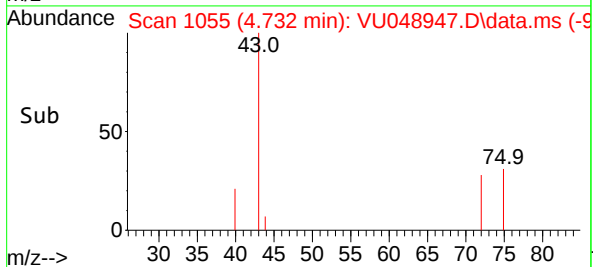
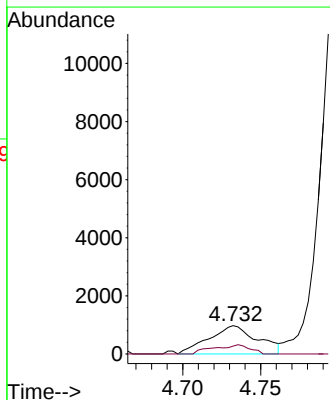
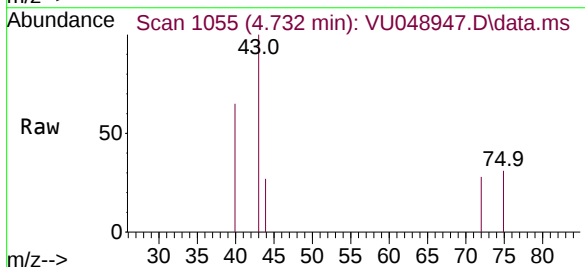
Acq: 08 Jun 2022 06:32

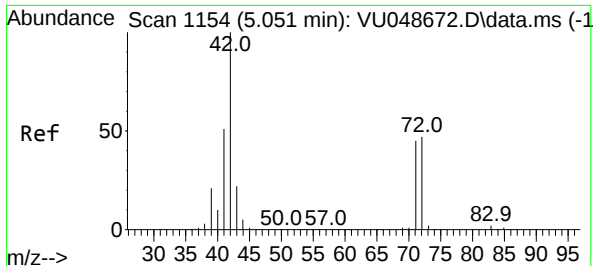
Tgt Ion: 43 Resp: 2111

Ion Ratio Lower Upper

43 100

72 27.9 21.1 31.7

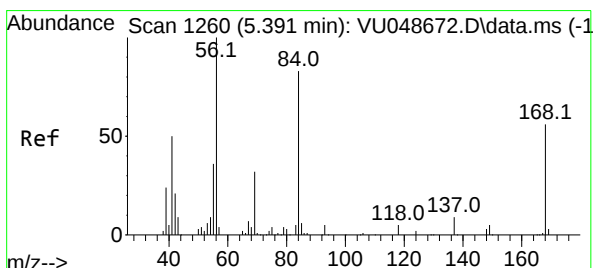
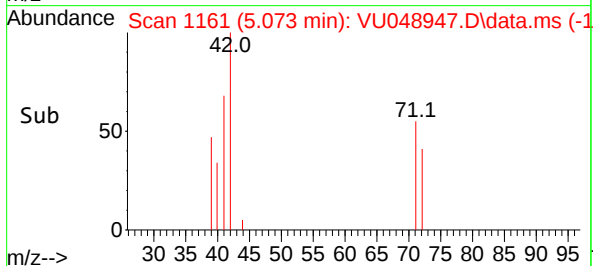
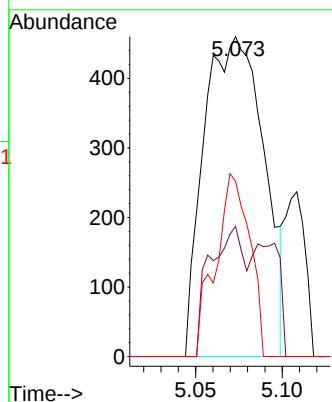
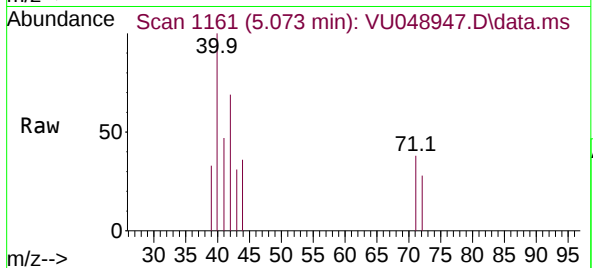




#29
Tetrahydrofuran
Concen: 0.640 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.023 min
Lab File: VU048947.D
Acq: 08 Jun 2022 06:32

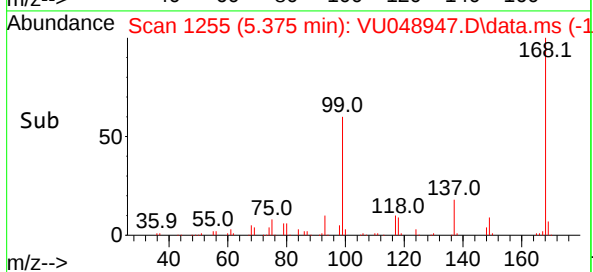
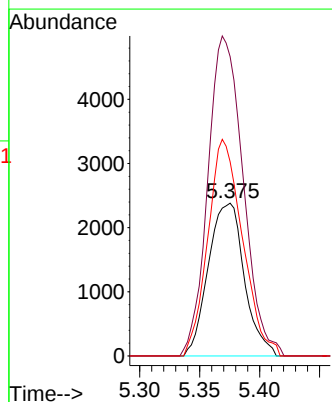
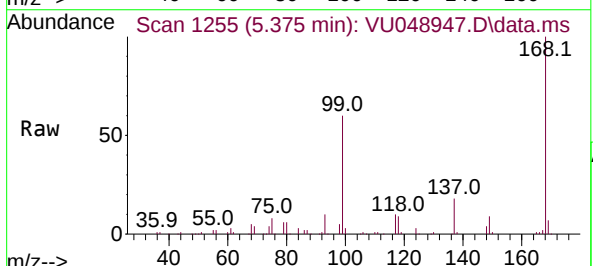
Instrument :
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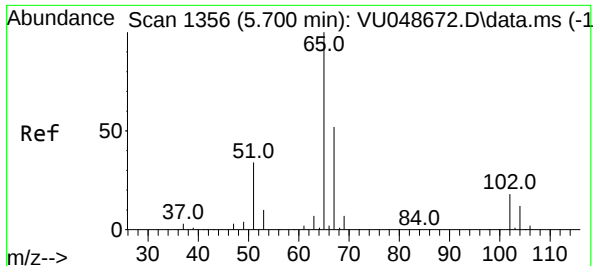
Tgt Ion: 42 Resp: 1107
Ion Ratio Lower Upper
42 100
72 23.5 37.6 56.4#
71 32.5 35.0 52.4#



#31
Cyclohexane
Concen: 1.052 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU048947.D
Acq: 08 Jun 2022 06:32

Tgt Ion: 56 Resp: 4968
Ion Ratio Lower Upper
56 100
69 196.0 25.6 38.4#
84 127.2 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 50.867 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU048947.D

Acq: 08 Jun 2022 06:32

Instrument :

MSVOA_U

ClientSampleId :

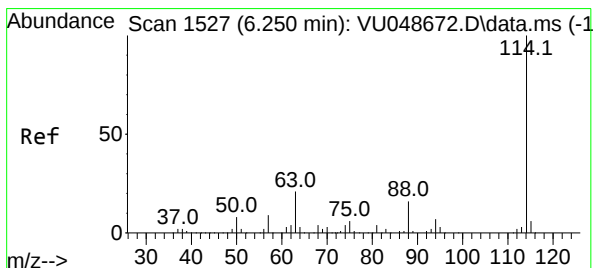
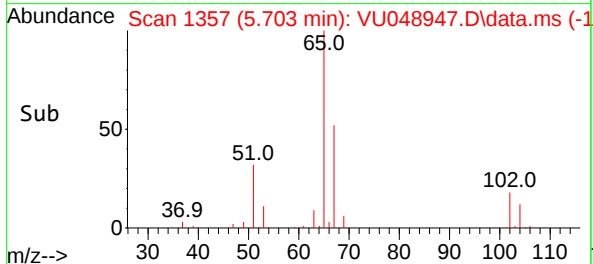
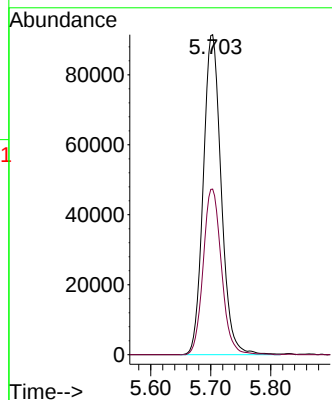
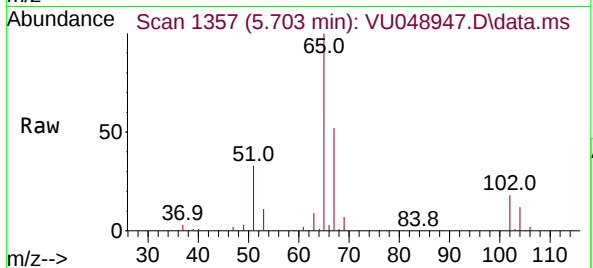
42BR-20220531

Tgt Ion: 65 Resp: 190671

Ion Ratio Lower Upper

65 100

67 52.6 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: VU048947.D

Acq: 08 Jun 2022 06:32

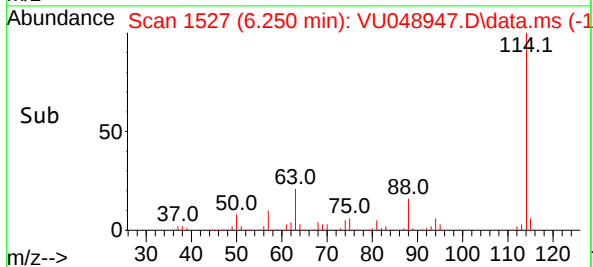
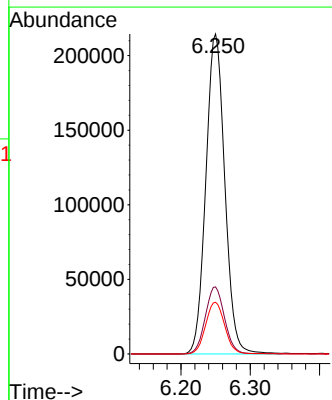
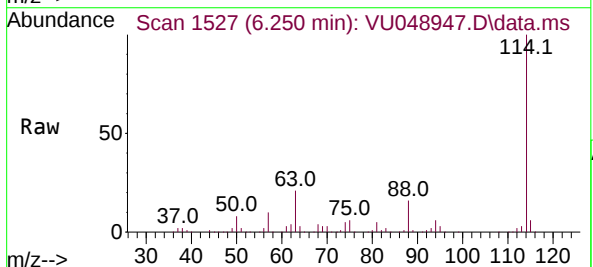
Tgt Ion: 114 Resp: 406838

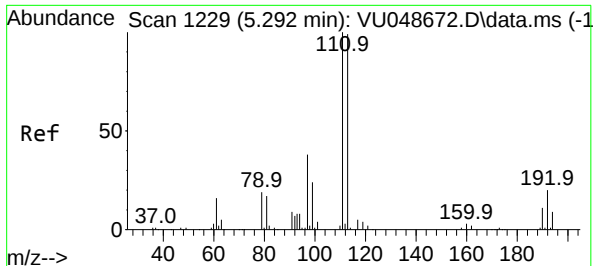
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

88 16.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.101 ug/l

RT: 5.289 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048947.D

Acq: 08 Jun 2022 06:32

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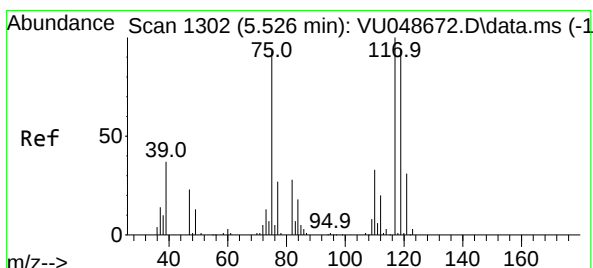
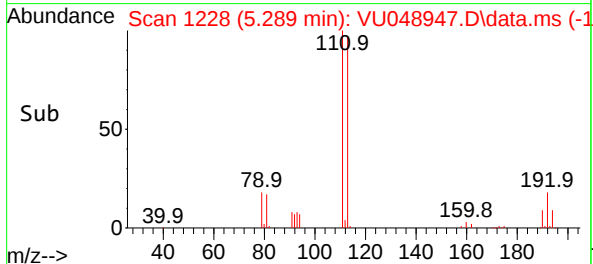
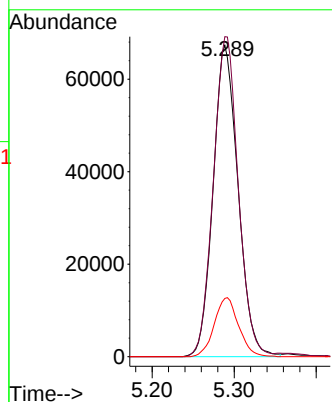
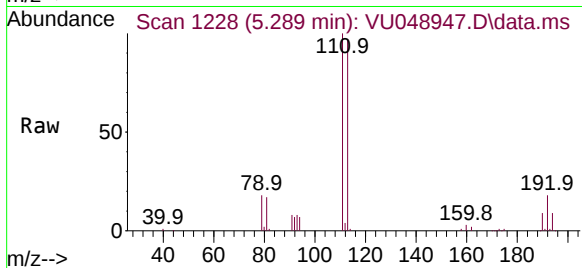
Tgt Ion:113 Resp: 142514

Ion Ratio Lower Upper

113 100

111 102.7 80.7 121.1

192 18.5 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.980 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048947.D

Acq: 08 Jun 2022 06:32

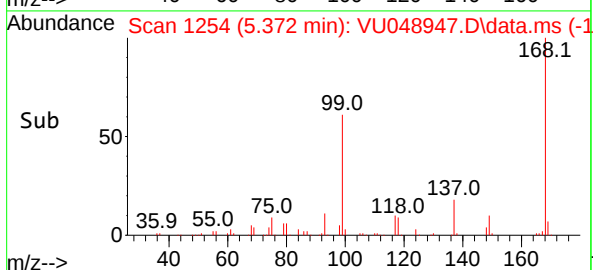
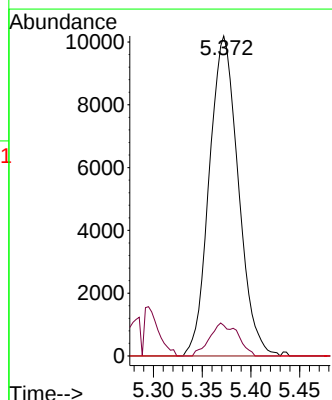
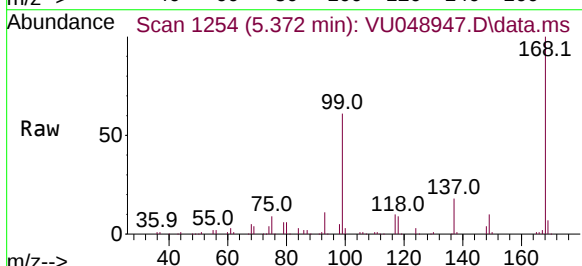
Tgt Ion: 75 Resp: 21095

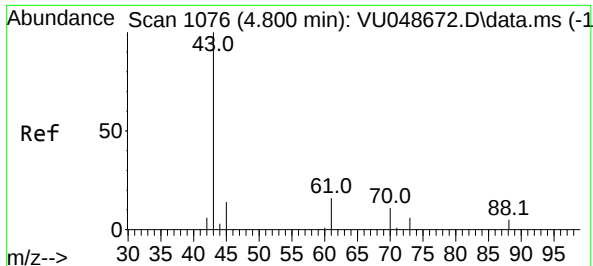
Ion Ratio Lower Upper

75 100

110 9.9 17.4 52.3#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 9.507 ug/l

RT: 4.809 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU048947.D

Acq: 08 Jun 2022 06:32

Instrument :

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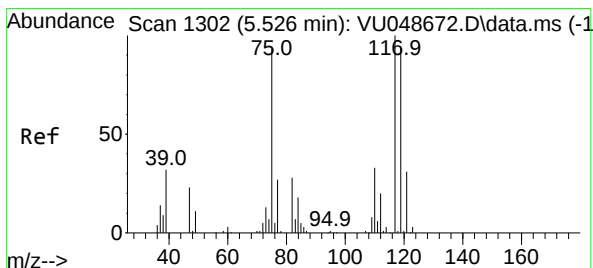
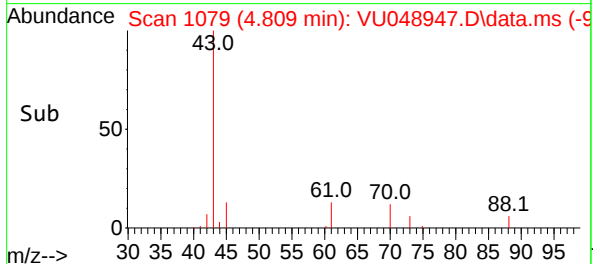
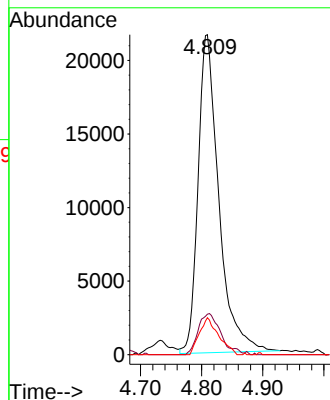
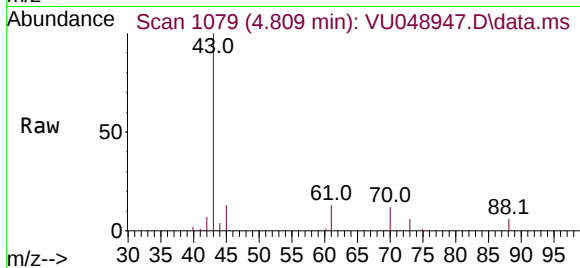
Tgt Ion: 43 Resp: 50911

Ion Ratio Lower Upper

43 100

61 14.0 11.7 17.5

70 10.8 8.4 12.6



#38

Carbon Tetrachloride

Concen: 5.185 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048947.D

Acq: 08 Jun 2022 06:32

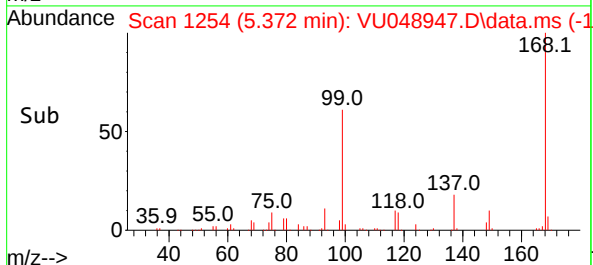
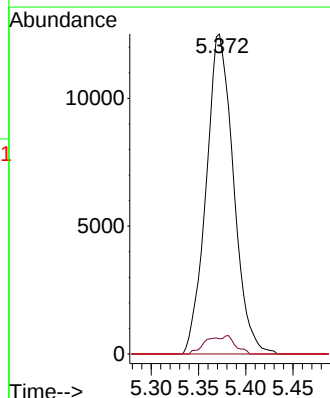
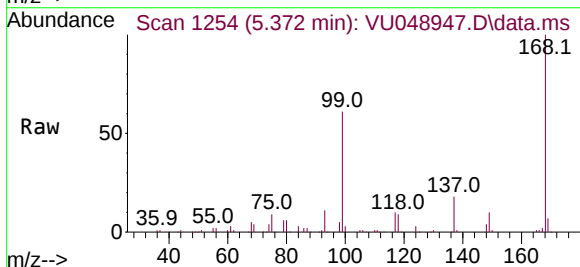
Tgt Ion: 117 Resp: 25198

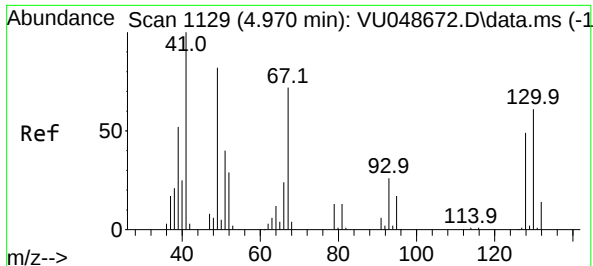
Ion Ratio Lower Upper

117 100

119 4.7 75.4 113.2#

121 0.0 24.6 36.8#

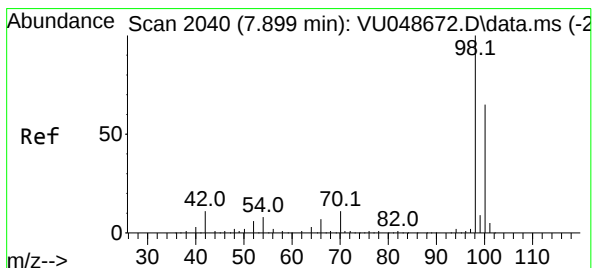
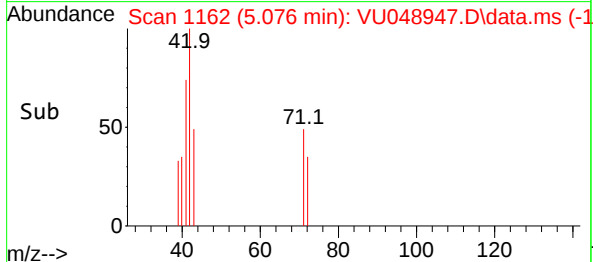
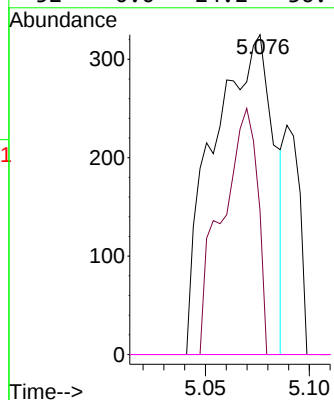
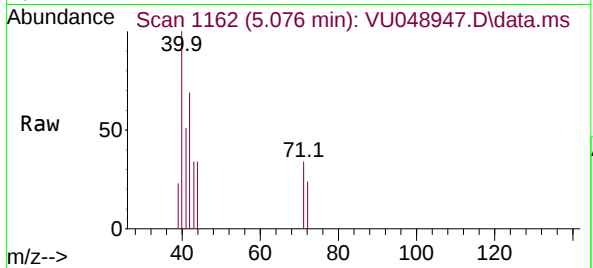




#41
Methacrylonitrile
Concen: 0.242 ug/l
RT: 5.076 min Scan# 1129
Delta R.T. 0.106 min
Lab File: VU048947.D
Acq: 08 Jun 2022 06:32

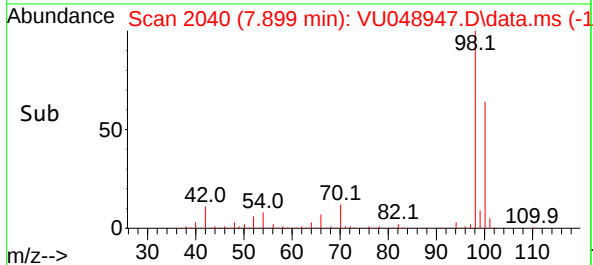
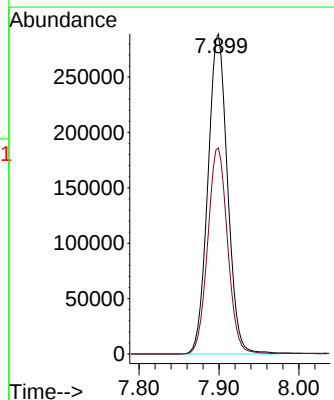
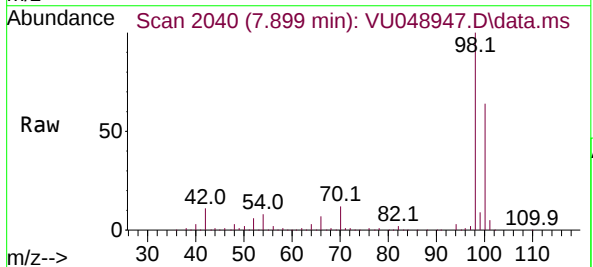
Instrument :
MSVOA_U
ClientSampleId :
42BR-20220531

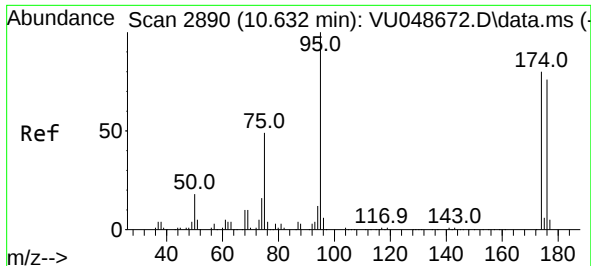
Tgt Ion: 41	Resp: 656
Ion Ratio	Lower Upper
41	100
39	45.7 42.6 64.0
67	0.0 61.0 91.4#
52	0.0 24.2 36.4#



#50
Toluene-d8
Concen: 47.463 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048947.D
Acq: 08 Jun 2022 06:32

Tgt Ion: 98	Resp: 493820
Ion Ratio	Lower Upper
98	100
100	65.0 52.2 78.4

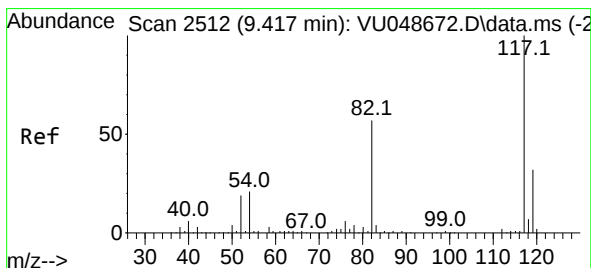
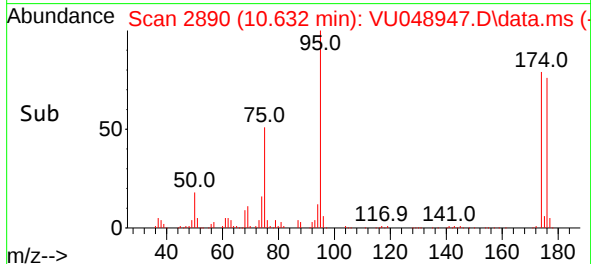
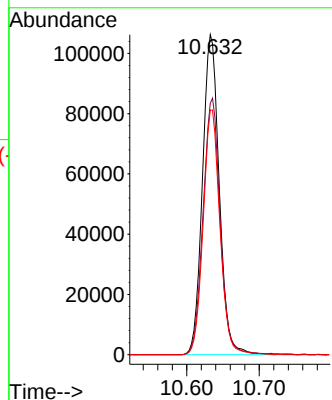
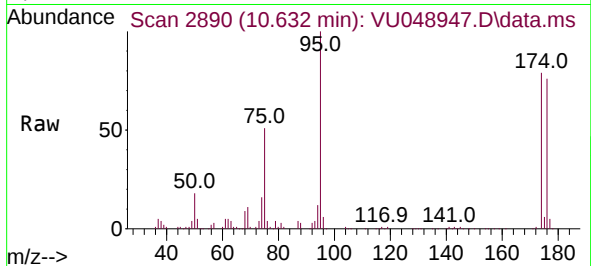




#62
4-Bromofluorobenzene
Concen: 43.366 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048947.D
Acq: 08 Jun 2022 06:32

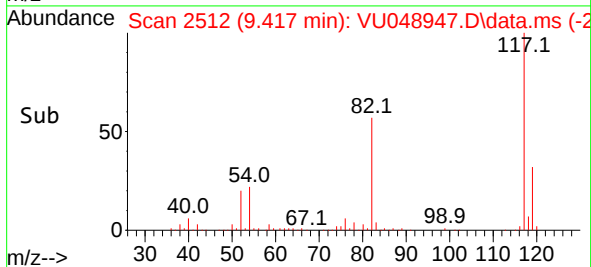
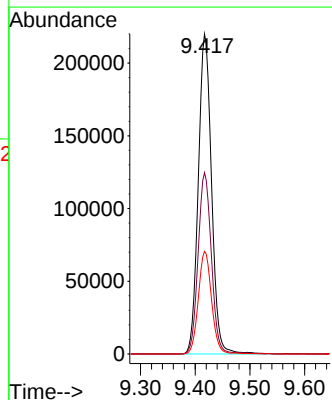
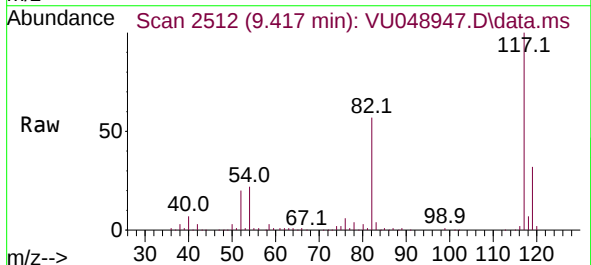
Instrument :
MSVOA_U
ClientSampleId :
42BR-20220531

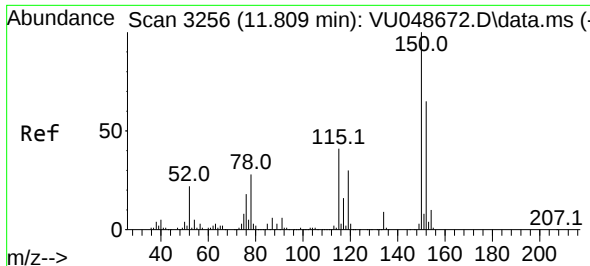
Tgt Ion: 95 Resp: 170638
Ion Ratio Lower Upper
95 100
174 82.0 0.0 159.4
176 76.6 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048947.D
Acq: 08 Jun 2022 06:32

Tgt Ion: 117 Resp: 369673
Ion Ratio Lower Upper
117 100
82 56.7 45.3 67.9
119 32.0 25.4 38.2

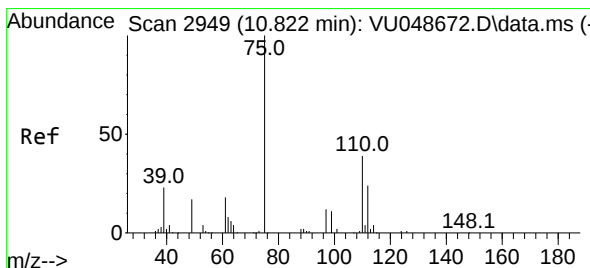
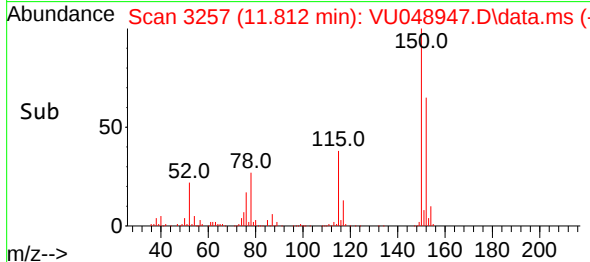
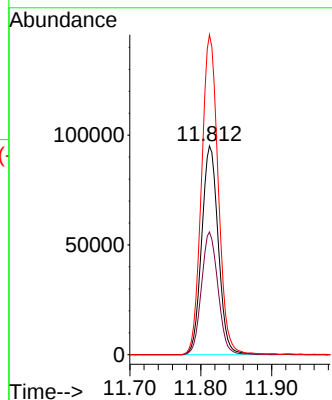
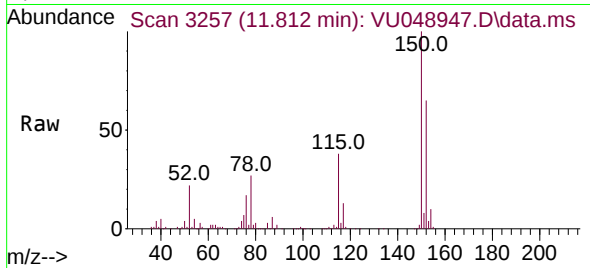




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU048947.D
 Acq: 08 Jun 2022 06:32

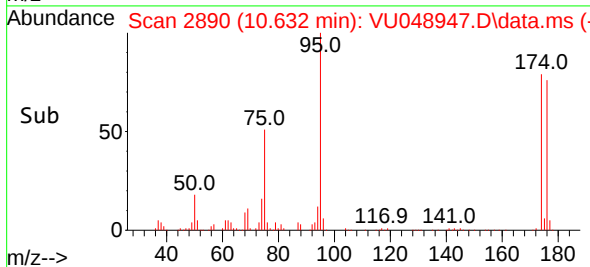
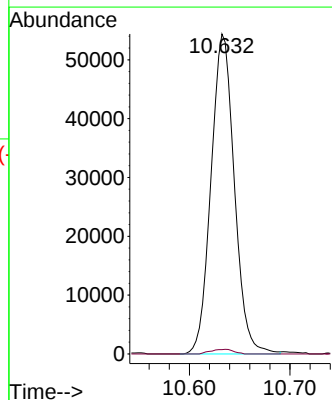
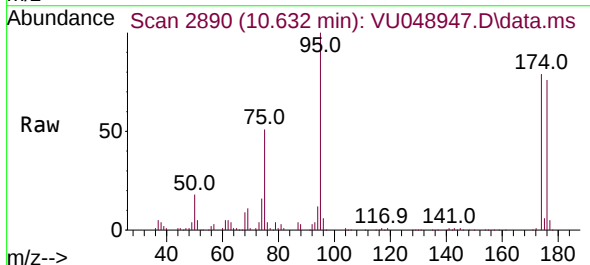
Instrument :
 MSVOA_U
 ClientSampleId :
 42BR-20220531

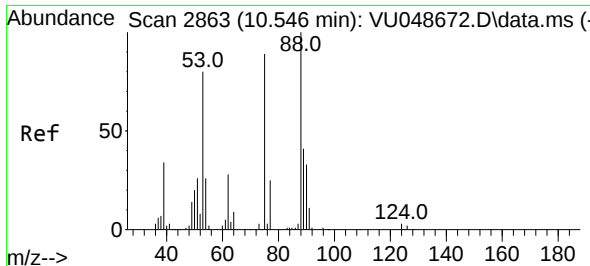
Tgt Ion:152 Resp: 154685
 Ion Ratio Lower Upper
 152 100
 115 58.6 41.8 125.4
 150 154.0 0.0 341.0



#76
 1,2,3-Trichloropropane
 Concen: 17.611 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.190 min
 Lab File: VU048947.D
 Acq: 08 Jun 2022 06:32

Tgt Ion: 75 Resp: 87835
 Ion Ratio Lower Upper
 75 100
 77 1.4 14.8 44.3#

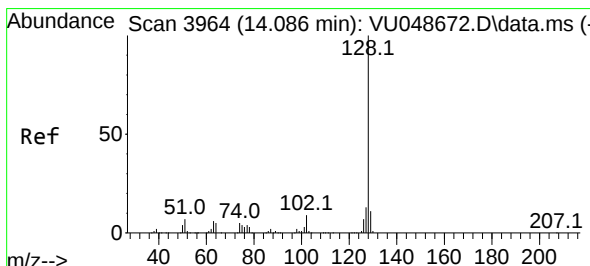
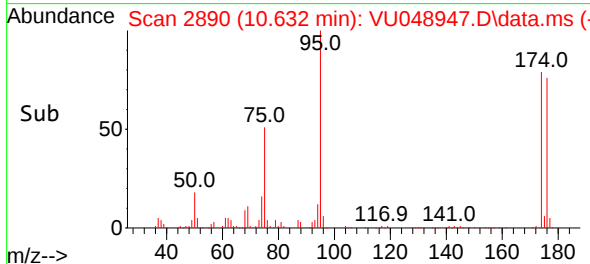
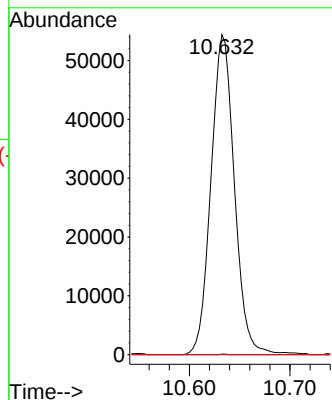
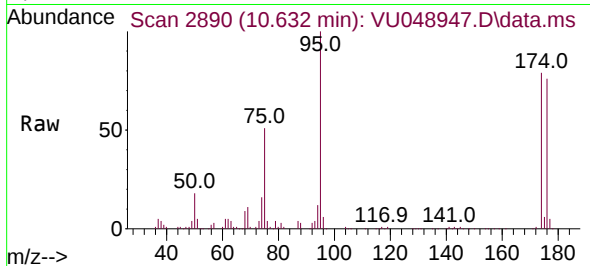




#81
trans-1,4-Dichloro-2-butene
Concen: 63.944 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048947.D
Acq: 08 Jun 2022 06:32

Instrument :
MSVOA_U
ClientSampleId :
42BR-20220531

Tgt Ion: 75 Resp: 87835
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 2.545 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.012 min
Lab File: VU048947.D
Acq: 08 Jun 2022 06:32

Tgt Ion: 128 Resp: 158
Ion Ratio Lower Upper
128 100
127 19.6 10.2 15.4#
129 0.0 8.7 13.1#

