

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070122\
 Data File : VU049593.D
 Acq On : 01 Jul 2022 19:42
 Operator : SY/MD
 Sample : N3564-04
 Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WC-14B-11-1-GR

Quant Time: Jul 04 06:49:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

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

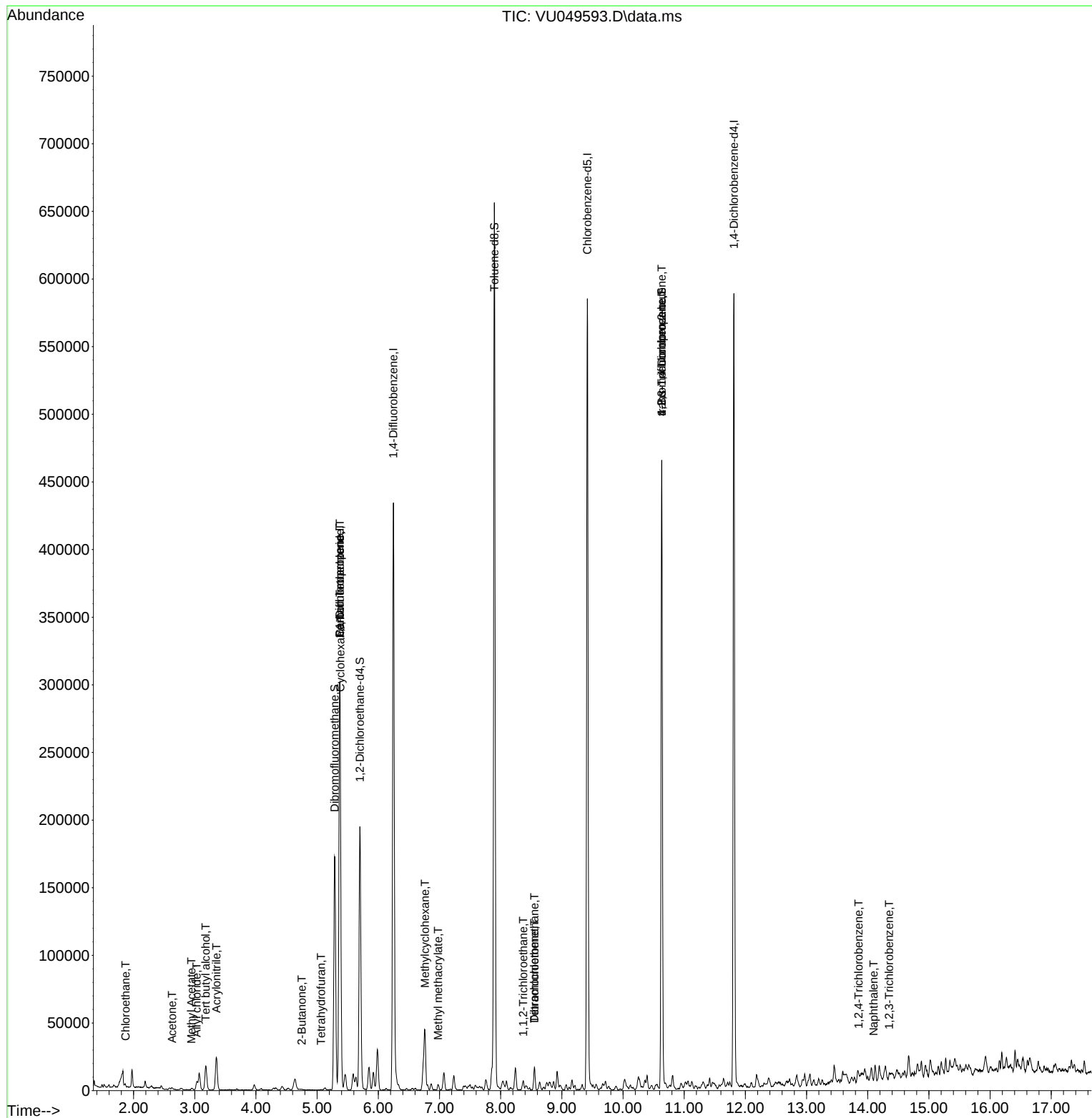
Internal Standards						
1) Pentafluorobenzene	5.372	168	195006	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	342563	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	319530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	148933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	143511	47.786	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.580%		
35) Dibromofluoromethane	5.285	113	111135	46.371	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.740%		
50) Toluene-d8	7.896	98	418412	48.947	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.900%		
62) 4-Bromofluorobenzene	10.632	95	151974	46.411	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.820%		
Target Compounds						Qvalue
3) Chloromethane	1.517	50	2348	Below Cal		93
6) Chloroethane	1.871	64	41	1.942 ug/l	#	44
11) Tert butyl alcohol	3.179	59	11357	16.157 ug/l	#	37
14) Allyl chloride	3.031	41	1055	0.246 ug/l	#	57
15) Acrylonitrile	3.353	53	550	0.325 ug/l	#	22
16) Acetone	2.629	43	1370	0.905 ug/l	#	88
18) Methyl Acetate	2.945	43	1765	0.431 ug/l	#	84
20) Methylene Chloride	3.047	84	452	Below Cal	#	57
25) 2-Butanone	4.748	43	557	0.245 ug/l	#	45
29) Tetrahydrofuran	5.067	42	366	0.235 ug/l	#	26
31) Cyclohexane	5.379	56	13747	3.049 ug/l	#	76
36) 1,1-Dichloropropene	5.369	75	16396	4.718 ug/l	#	48
38) Carbon Tetrachloride	5.372	117	20554	5.640 ug/l	#	17
39) Methylcyclohexane	6.764	83	19420	4.662 ug/l	#	89
48) Methyl methacrylate	6.977	41	988	0.303 ug/l	#	54
55) 1,1,2-Trichloroethane	8.369	97	2435	0.944 ug/l	#	18
60) Dibromochloromethane	8.552	129	3372	1.258 ug/l	#	11
64) Tetrachloroethene	8.552	164	3346	1.633 ug/l	#	95
76) 1,2,3-Trichloropropane	10.632	75	79224	15.692 ug/l	#	46
81) trans-1,4-Dichloro-2-b...	10.632	75	79224	57.949 ug/l	#	15
93) 1,2,4-Trichlorobenzene	13.851	180	23	1.761 ug/l	#	1
95) Naphthalene	14.095	128	1683	1.875 ug/l	#	48
96) 1,2,3-Trichlorobenzene	14.349	180	45	1.190 ug/l	#	1

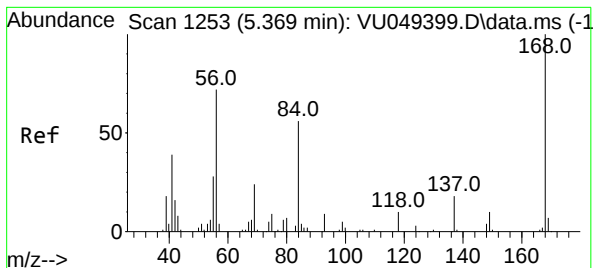
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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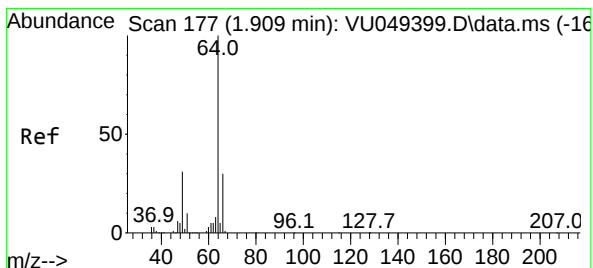
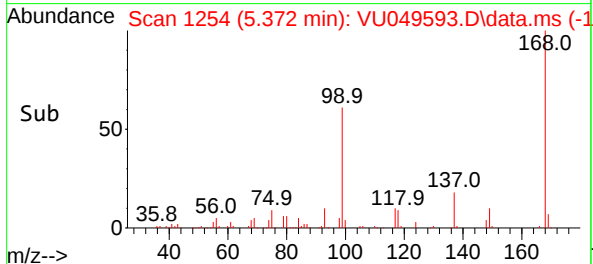
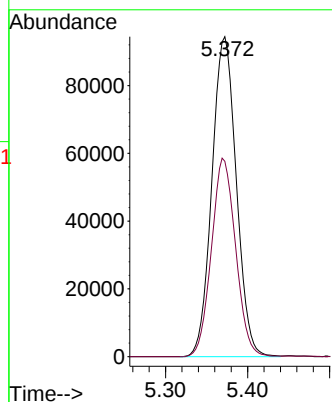
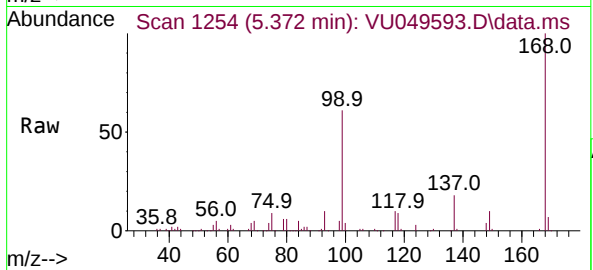




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

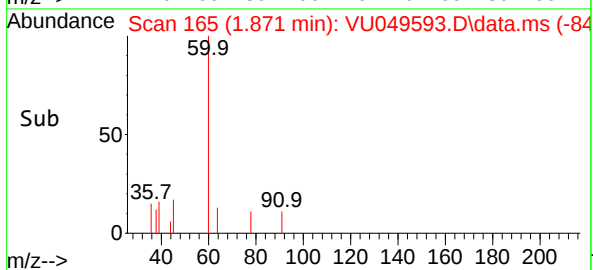
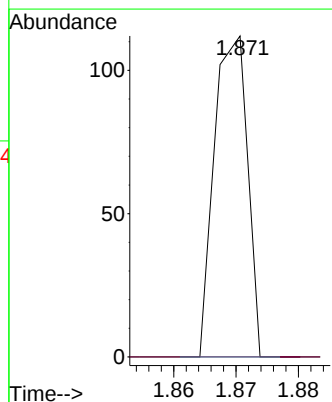
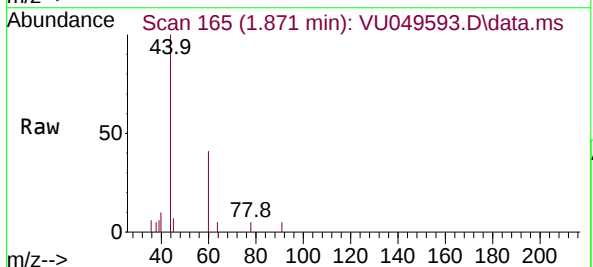
Instrument :
MSVOA_U
ClientSampleId :
WC-14B-11-1-GR

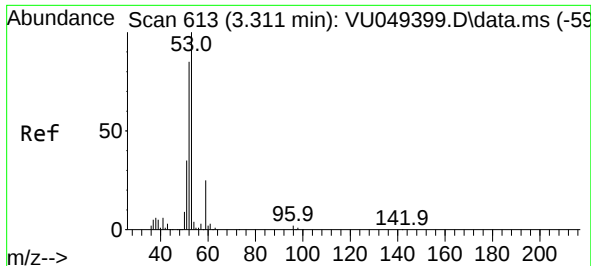
Tgt Ion:168 Resp: 195006
Ion Ratio Lower Upper
168 100
99 61.1 39.3 58.9#



#6
Chloroethane
Concen: 1.942 ug/l
RT: 1.871 min Scan# 165
Delta R.T. -0.038 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

Tgt Ion: 64 Resp: 41
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

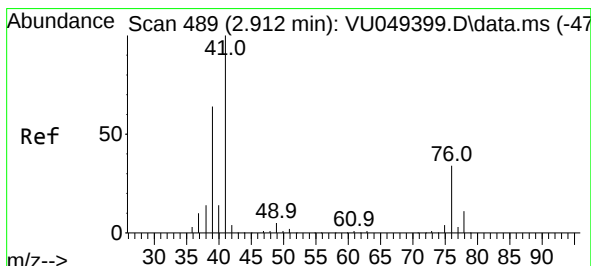
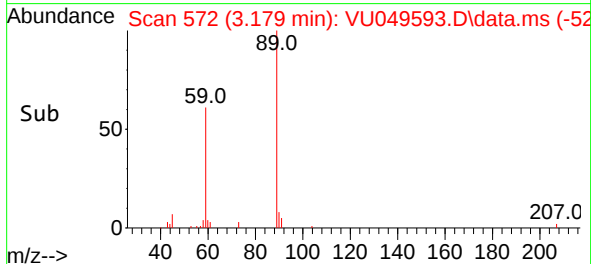
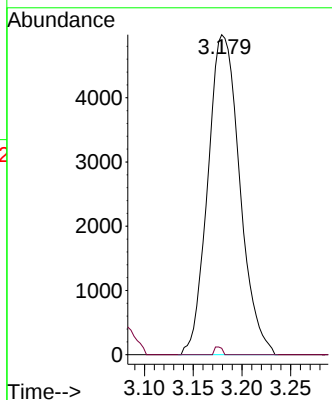
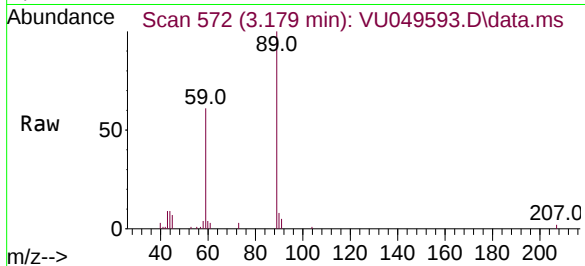




#11
Tert butyl alcohol
Concen: 16.157 ug/l
RT: 3.179 min Scan# 51
Delta R.T. -0.132 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

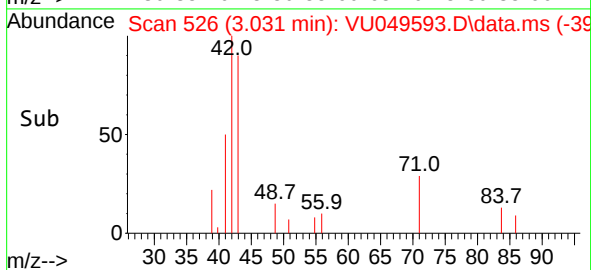
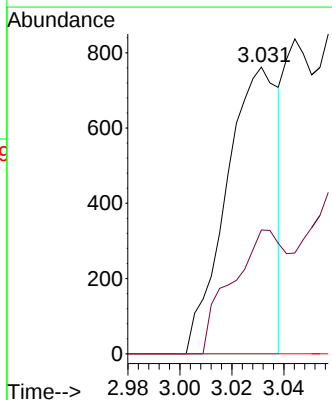
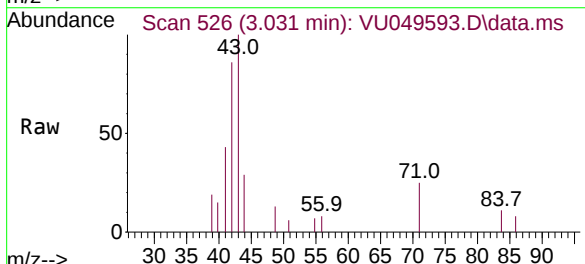
Instrument :
MSVOA_U
ClientSampleId :
WC-14B-11-1-GR

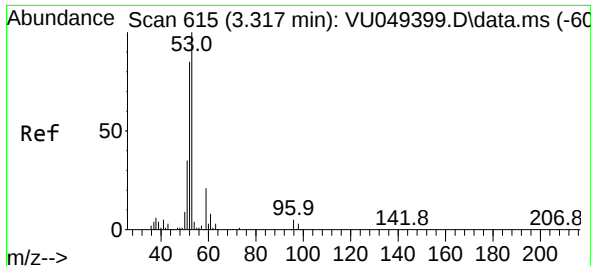
Tgt Ion: 59 Resp: 11357
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#



#14
Allyl chloride
Concen: 0.246 ug/l
RT: 3.031 min Scan# 526
Delta R.T. 0.119 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

Tgt Ion: 41 Resp: 1055
Ion Ratio Lower Upper
41 100
39 43.9 53.4 80.2#
76 0.0 33.8 50.6#

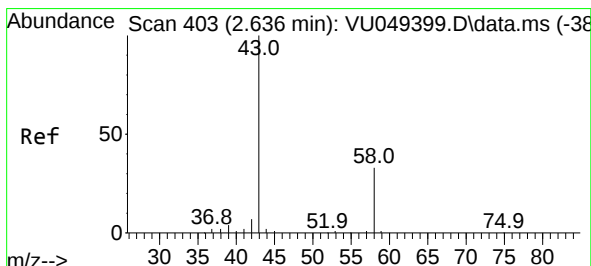
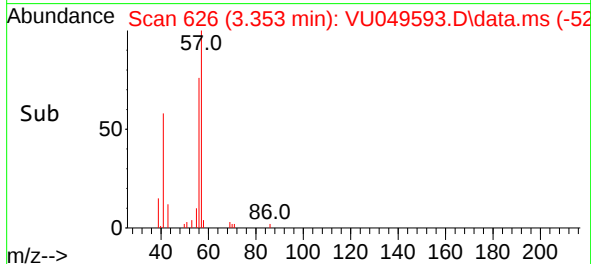
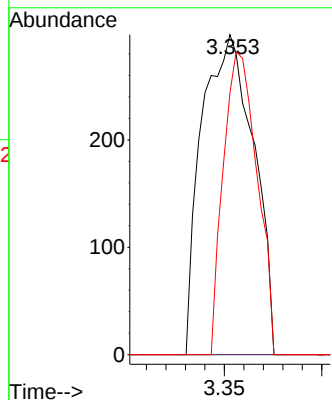
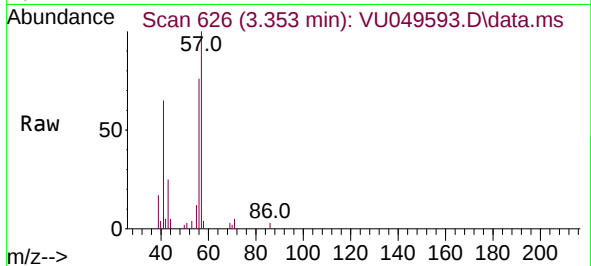




#15
Acrylonitrile
Concen: 0.325 ug/l
RT: 3.353 min Scan# 615
Delta R.T. 0.035 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

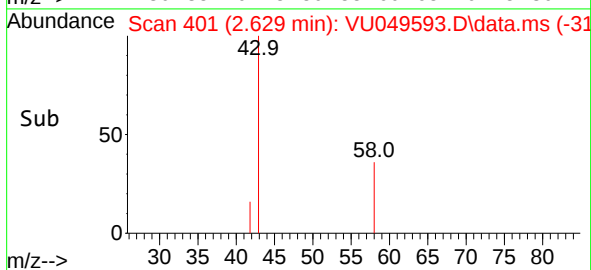
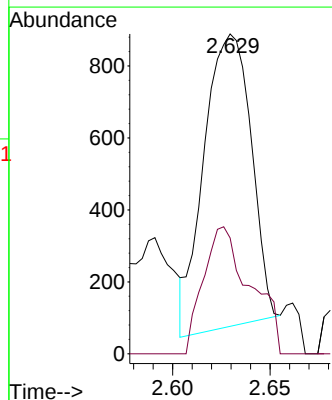
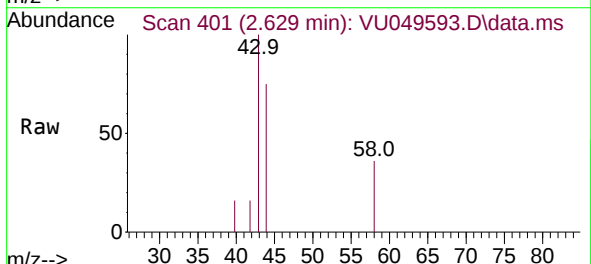
Instrument :
MSVOA_U
ClientSampleId :
WC-14B-11-1-GR

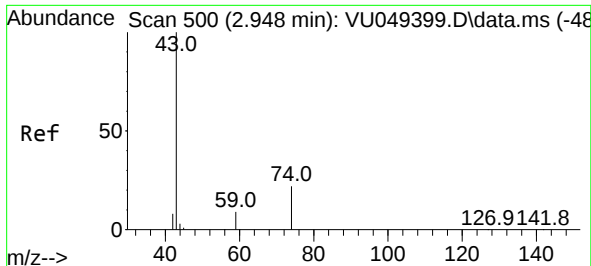
Tgt Ion: 53 Resp: 550
Ion Ratio Lower Upper
53 100
52 0.0 65.7 98.5#
51 61.5 28.2 42.4#



#16
Acetone
Concen: 0.905 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.006 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

Tgt Ion: 43 Resp: 1370
Ion Ratio Lower Upper
43 100
58 41.2 27.5 41.3

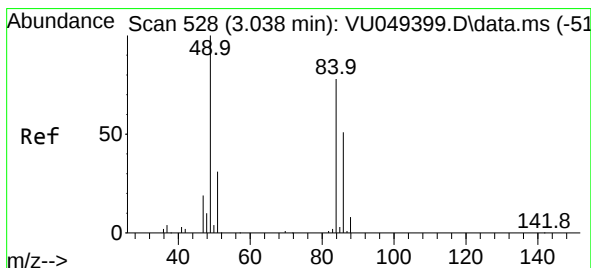
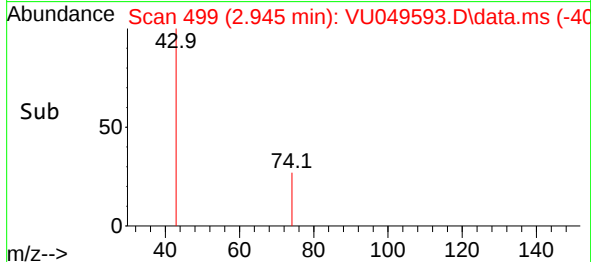
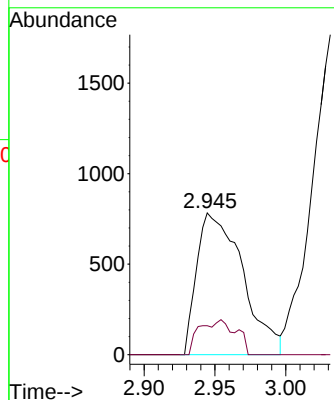
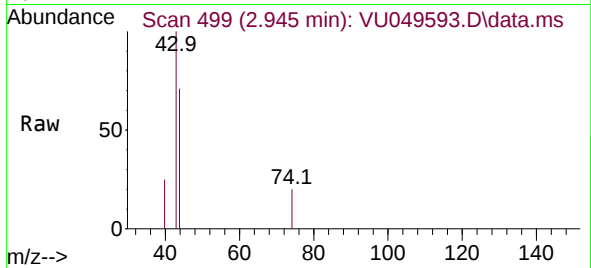




#18
Methyl Acetate
Concen: 0.431 ug/l
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

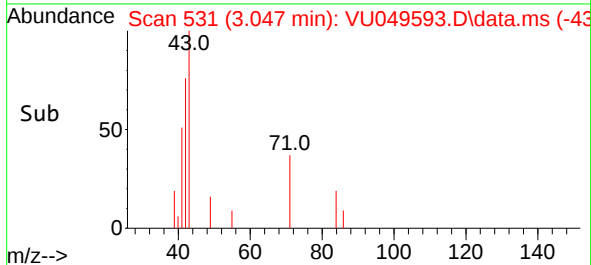
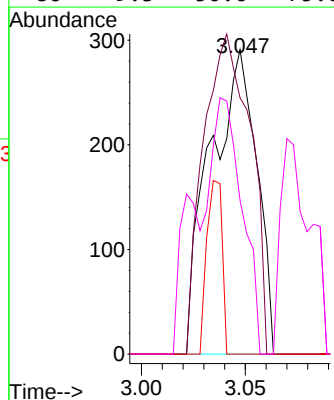
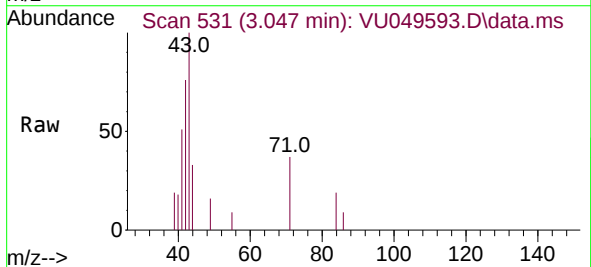
Instrument :
MSVOA_U
ClientSampleId :
WC-14B-11-1-GR

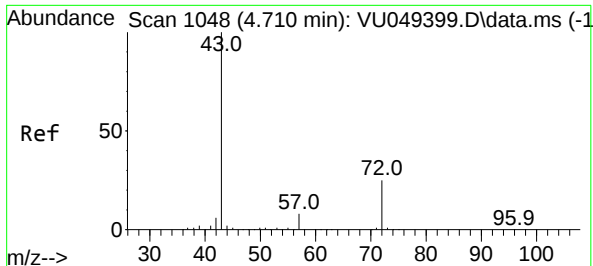
Tgt Ion: 43 Resp: 1765
Ion Ratio Lower Upper
43 100
74 19.5 22.5 33.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.047 min Scan# 531
Delta R.T. 0.010 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

Tgt Ion: 84 Resp: 452
Ion Ratio Lower Upper
84 100
49 84.2 86.6 129.8#
51 0.0 26.6 40.0#
86 9.3 50.6 75.8#





#25

2-Butanone

Concen: 0.245 ug/l

RT: 4.748 min Scan# 1105

Delta R.T. 0.039 min

Lab File: VU049593.D

Acq: 01 Jul 2022 19:42

Instrument :

MSVOA_U

ClientSampleId :

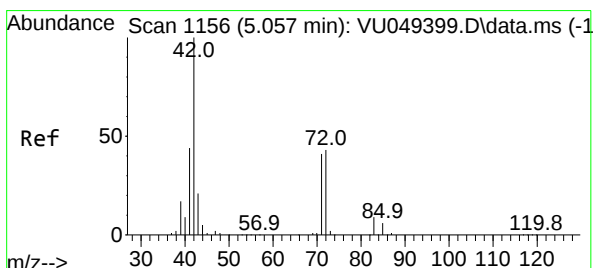
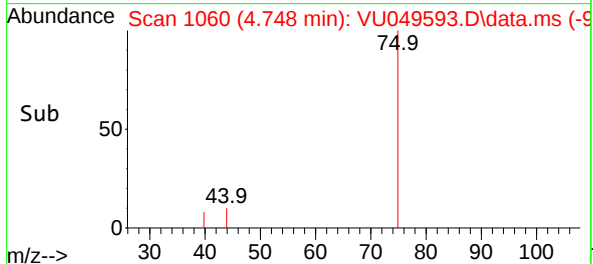
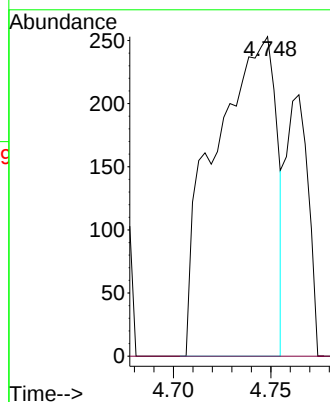
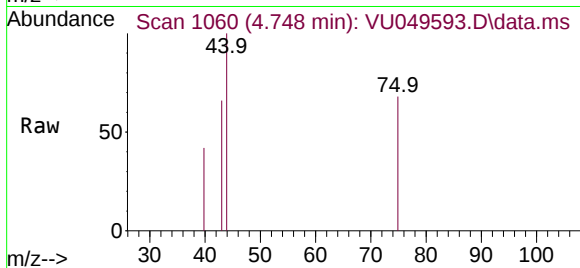
WC-14B-11-1-GR

Tgt Ion: 43 Resp: 557

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#29

Tetrahydrofuran

Concen: 0.235 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.010 min

Lab File: VU049593.D

Acq: 01 Jul 2022 19:42

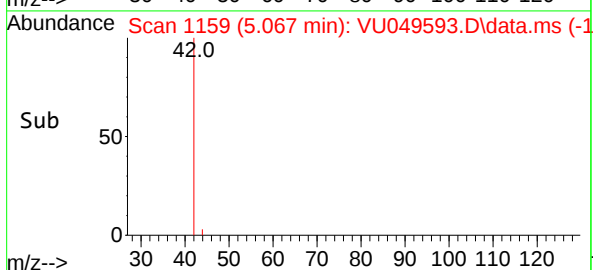
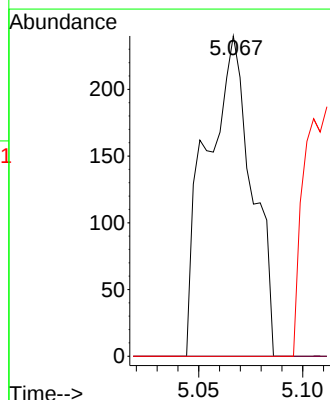
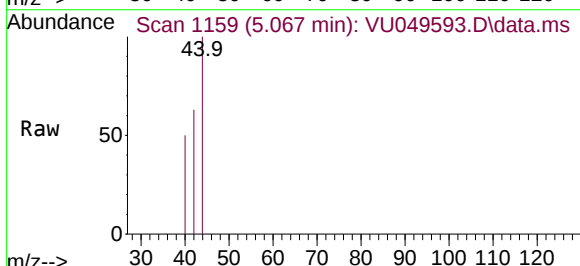
Tgt Ion: 42 Resp: 366

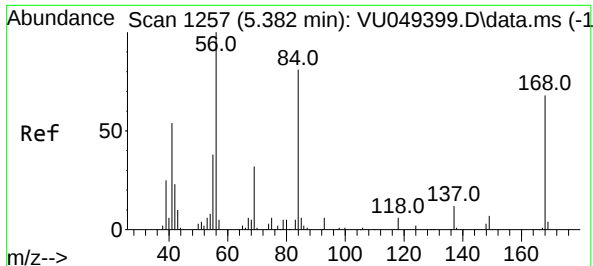
Ion Ratio Lower Upper

42 100

72 0.0 42.6 63.8#

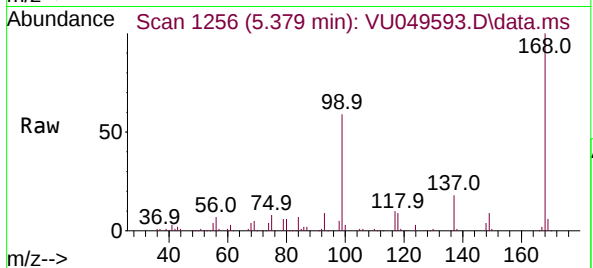
71 0.0 40.3 60.5#



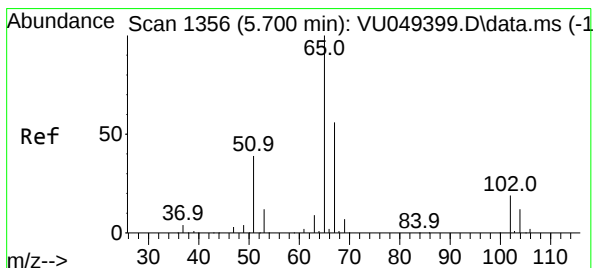
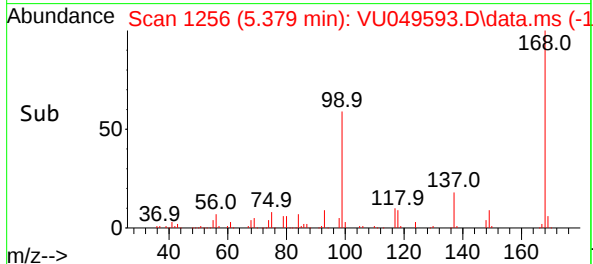
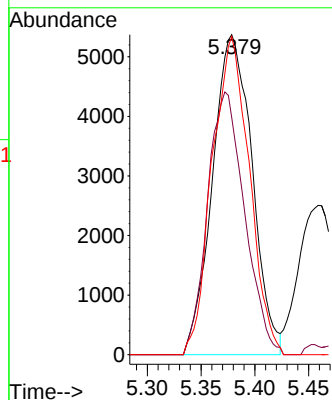


#31
Cyclohexane
Concen: 3.049 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.003 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

Instrument :
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ClientSampleId :
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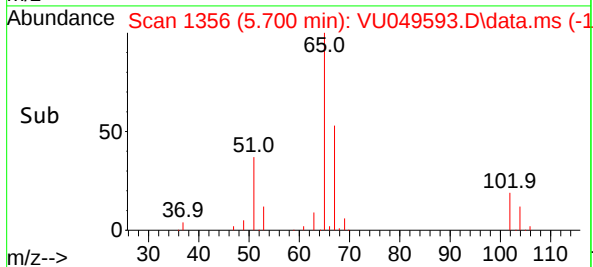
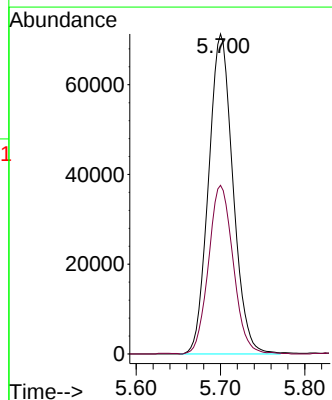
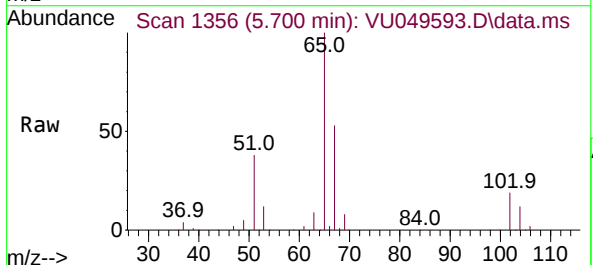


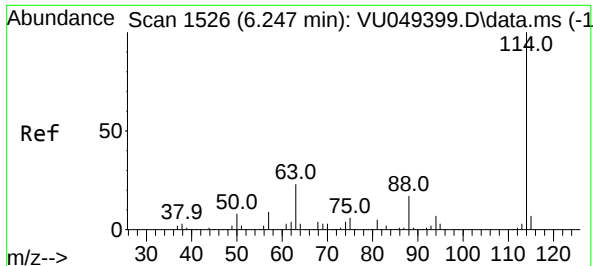
Tgt Ion: 56 Resp: 13747
Ion Ratio Lower Upper
56 100
69 74.1 27.8 41.8#
84 99.4 74.2 111.4



#33
1,2-Dichloroethane-d4
Concen: 47.786 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

Tgt Ion: 65 Resp: 143511
Ion Ratio Lower Upper
65 100
67 53.3 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049593.D

Acq: 01 Jul 2022 19:42

Instrument :

MSVOA_U

ClientSampleId :

WC-14B-11-1-GR

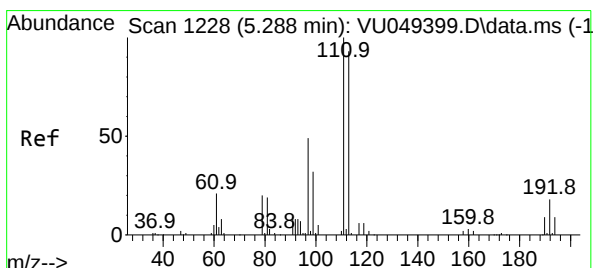
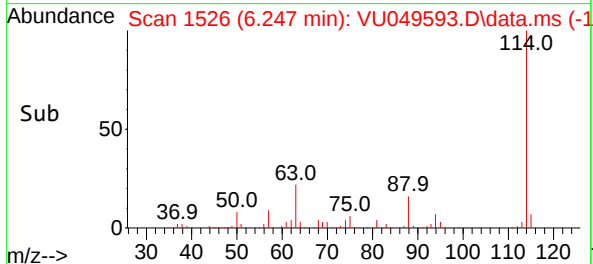
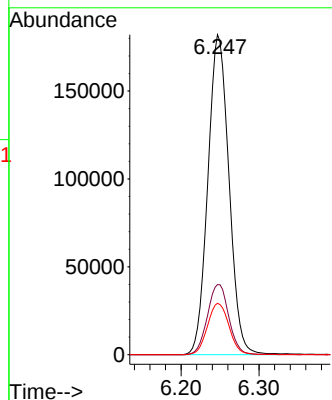
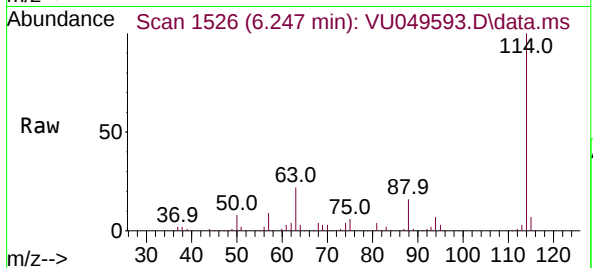
Tgt Ion:114 Resp: 342563

Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.8

88 16.1 0.0 29.2



#35

Dibromofluoromethane

Concen: 46.371 ug/l

RT: 5.285 min Scan# 1227

Delta R.T. -0.003 min

Lab File: VU049593.D

Acq: 01 Jul 2022 19:42

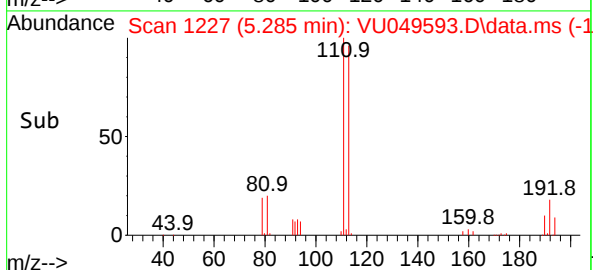
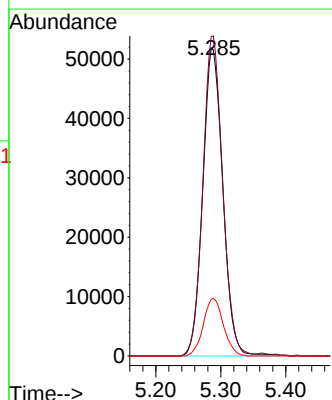
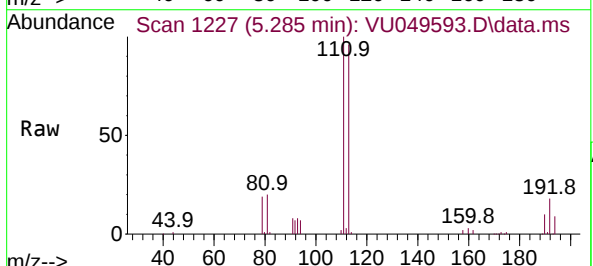
Tgt Ion:113 Resp: 111135

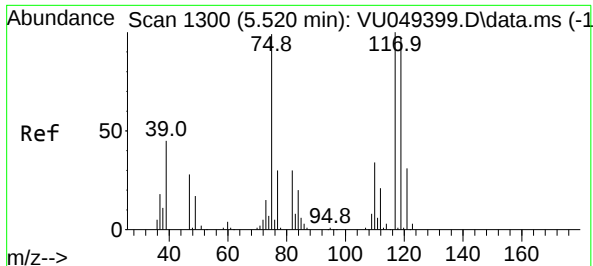
Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

192 18.8 18.0 27.0

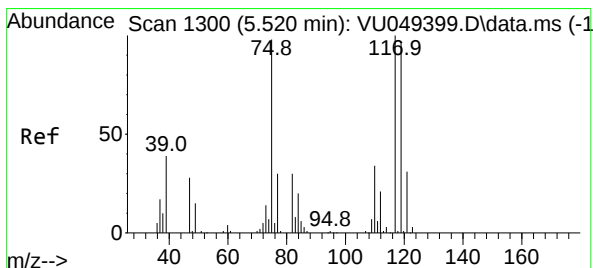
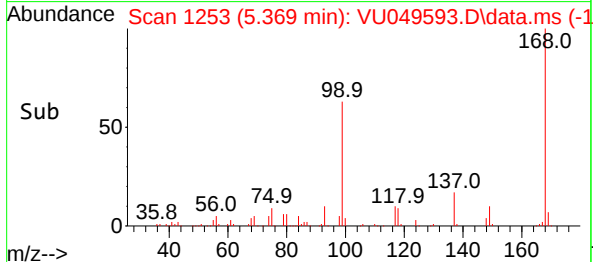
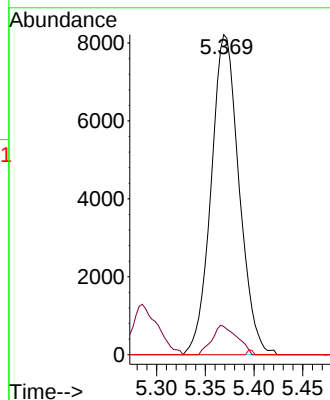
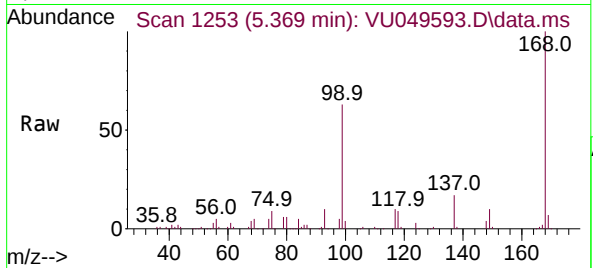




#36
1,1-Dichloropropene
Concen: 4.718 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.151 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

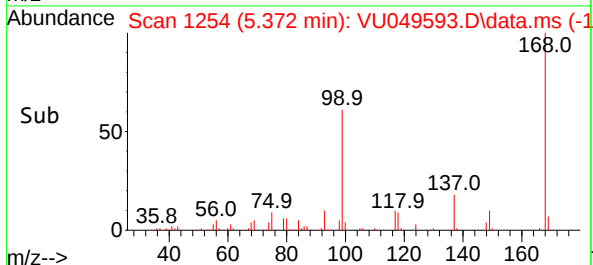
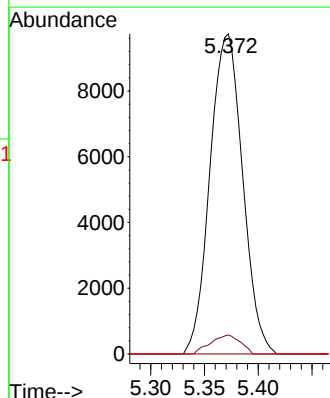
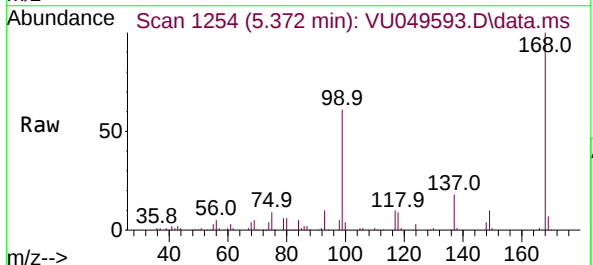
Instrument :
MSVOA_U
ClientSampleId :
WC-14B-11-1-GR

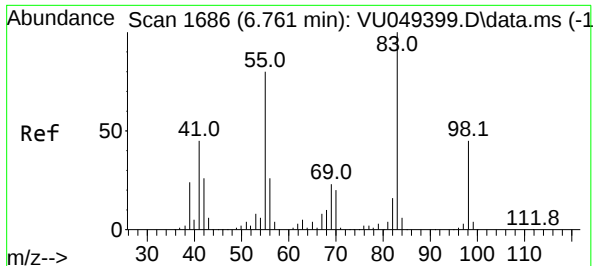
Tgt Ion: 75 Resp: 16396
Ion Ratio Lower Upper
75 100
110 8.2 18.4 55.2#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.640 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

Tgt Ion: 117 Resp: 20554
Ion Ratio Lower Upper
117 100
119 5.9 76.8 115.2#
121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 4.662 ug/l

RT: 6.764 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049593.D

Acq: 01 Jul 2022 19:42

Instrument :

MSVOA_U

ClientSampleId :

WC-14B-11-1-GR

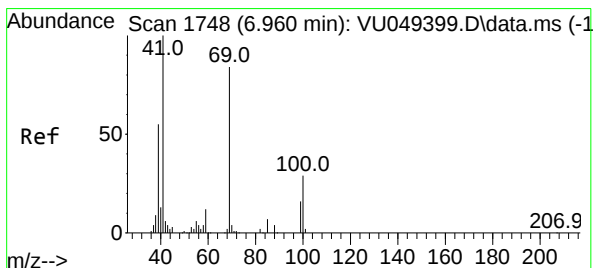
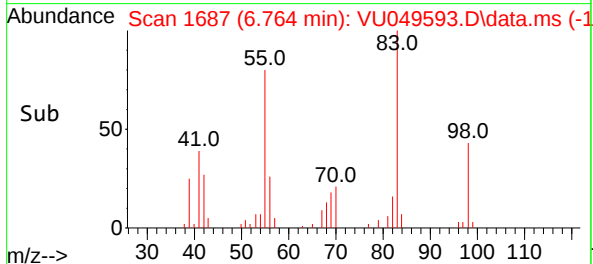
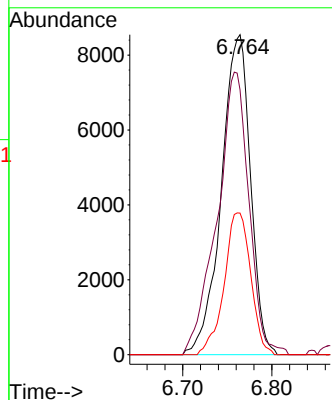
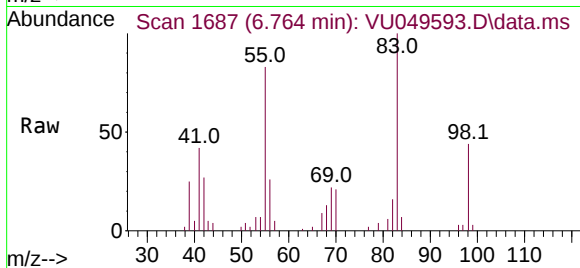
Tgt Ion: 83 Resp: 19420

Ion Ratio Lower Upper

83 100

55 82.8 55.3 82.9

98 44.3 37.3 55.9



#48

Methyl methacrylate

Concen: 0.303 ug/l

RT: 6.977 min Scan# 1753

Delta R.T. 0.016 min

Lab File: VU049593.D

Acq: 01 Jul 2022 19:42

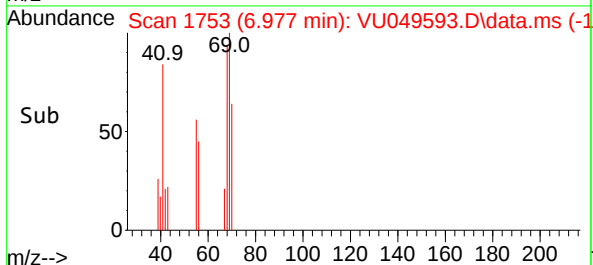
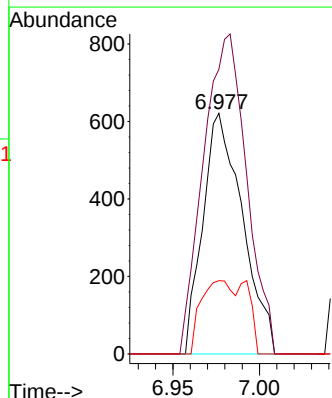
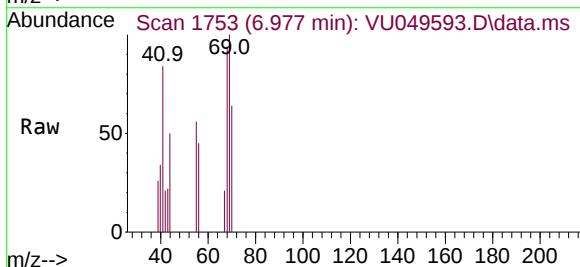
Tgt Ion: 41 Resp: 988

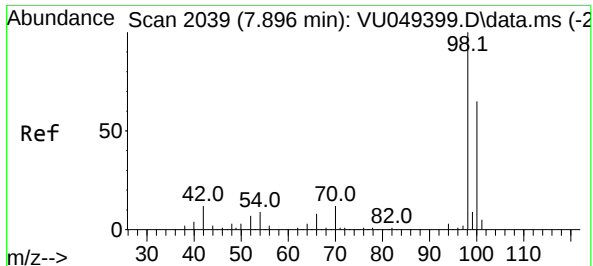
Ion Ratio Lower Upper

41 100

69 145.0 79.8 119.6#

39 25.4 47.9 71.9#

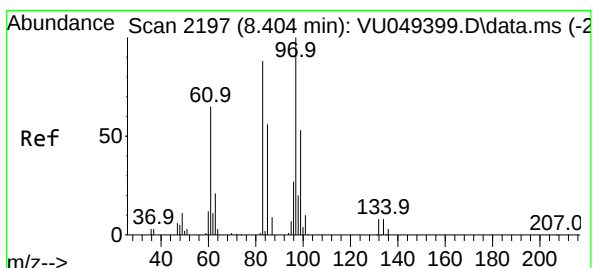
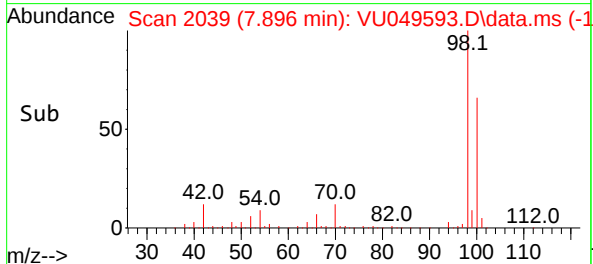
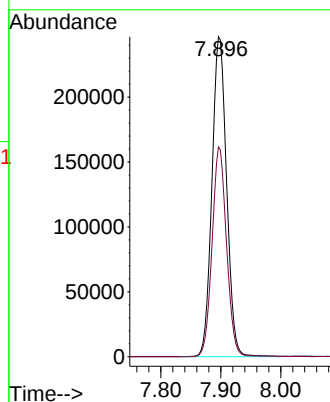
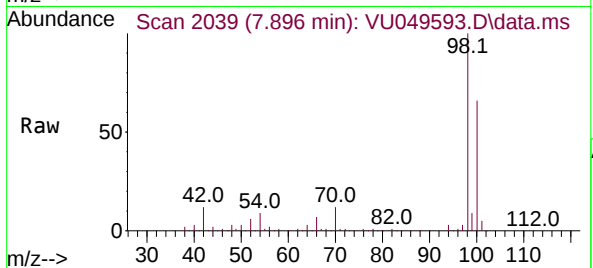




#50
Toluene-d8
Concen: 48.947 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

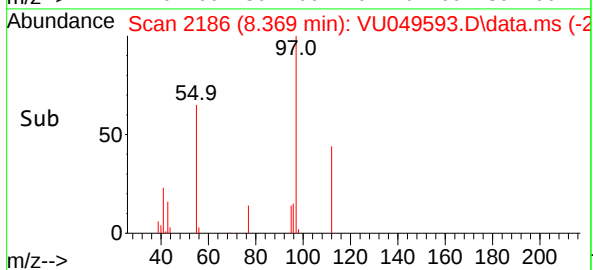
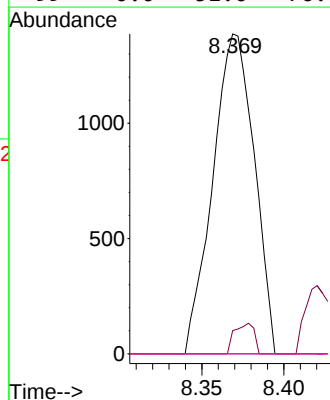
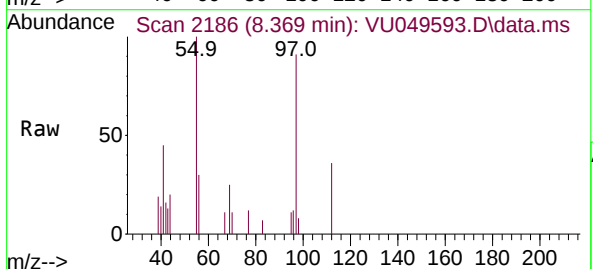
Instrument :
MSVOA_U
ClientSampleId :
WC-14B-11-1-GR

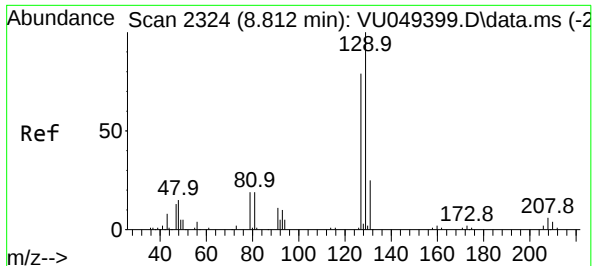
Tgt Ion: 98 Resp: 418412
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



#55
1,1,2-Trichloroethane
Concen: 0.944 ug/l
RT: 8.369 min Scan# 2186
Delta R.T. -0.035 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

Tgt Ion: 97 Resp: 2435
Ion Ratio Lower Upper
97 100
83 7.3 70.2 105.4#
85 0.0 44.6 66.8#
99 0.0 51.0 76.6#





#60

Dibromochloromethane

Concen: 1.258 ug/l

RT: 8.552 min Scan# 21

Delta R.T. -0.260 min

Lab File: VU049593.D

Acq: 01 Jul 2022 19:42

Instrument :

MSVOA_U

ClientSampleId :

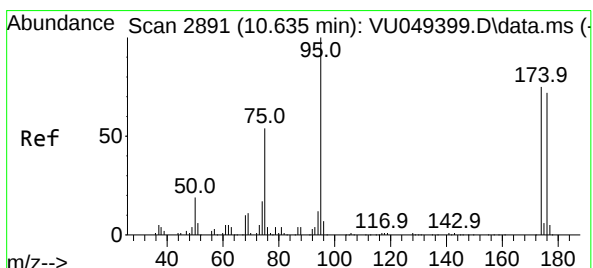
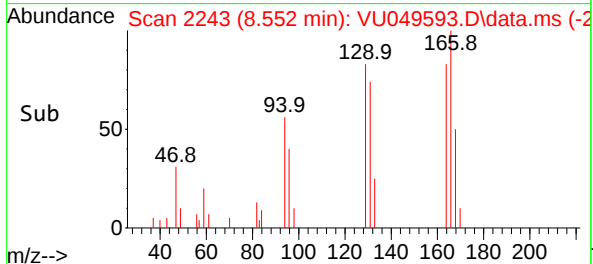
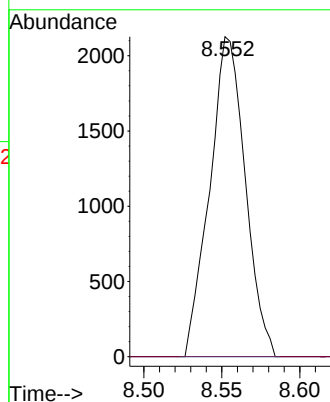
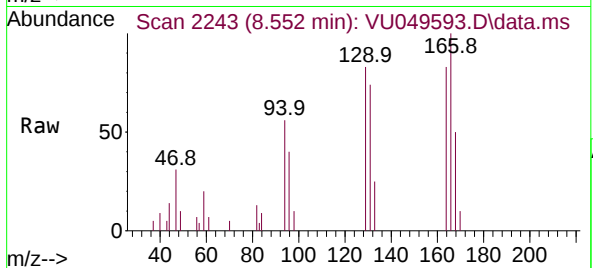
WC-14B-11-1-GR

Tgt Ion:129 Resp: 3372

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#



#62

4-Bromofluorobenzene

Concen: 46.411 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.003 min

Lab File: VU049593.D

Acq: 01 Jul 2022 19:42

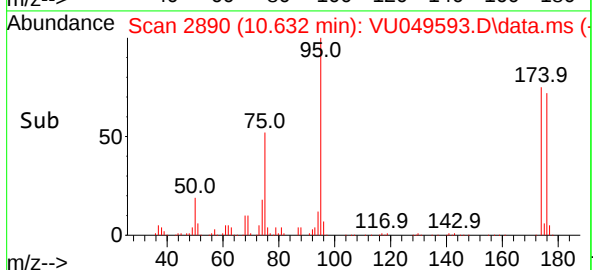
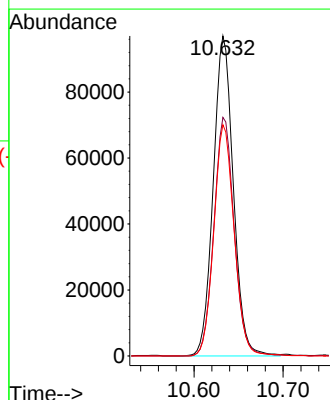
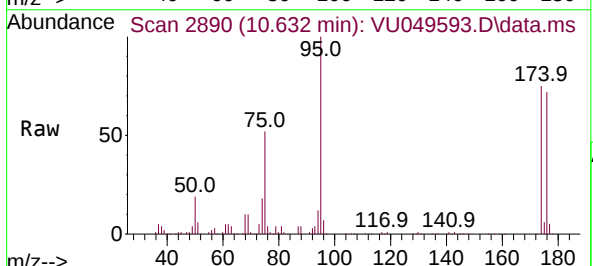
Tgt Ion: 95 Resp: 151974

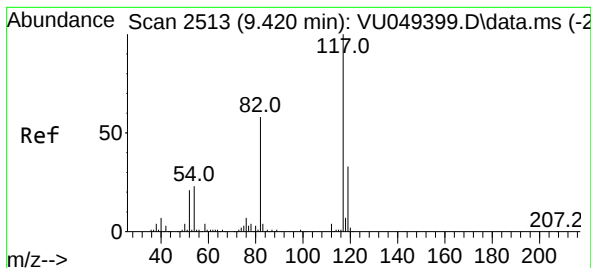
Ion Ratio Lower Upper

95 100

174 75.3 0.0 182.0

176 73.2 0.0 177.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.417 min Scan# 2

Delta R.T. -0.003 min

Lab File: VU049593.D

Acq: 01 Jul 2022 19:42

Instrument :

MSVOA_U

ClientSampleId :

WC-14B-11-1-GR

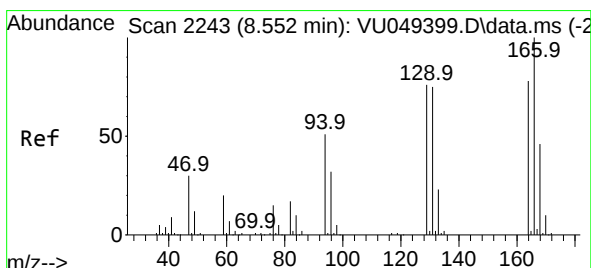
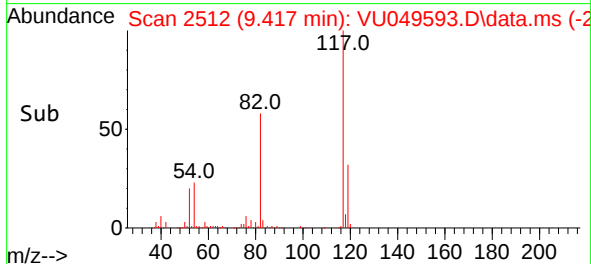
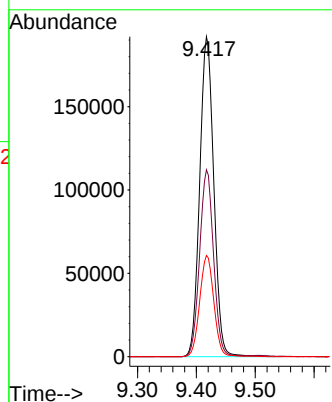
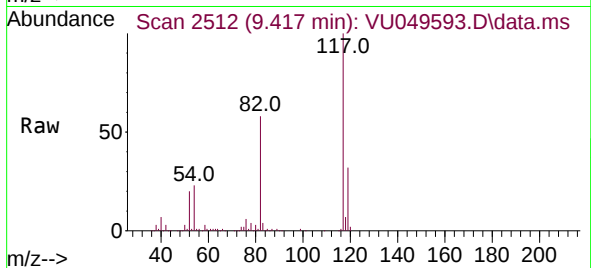
Tgt Ion:117 Resp: 319530

Ion Ratio Lower Upper

117 100

82 58.4 41.7 62.5

119 31.6 25.7 38.5



#64

Tetrachloroethene

Concen: 1.633 ug/l

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU049593.D

Acq: 01 Jul 2022 19:42

Tgt Ion:164 Resp: 3346

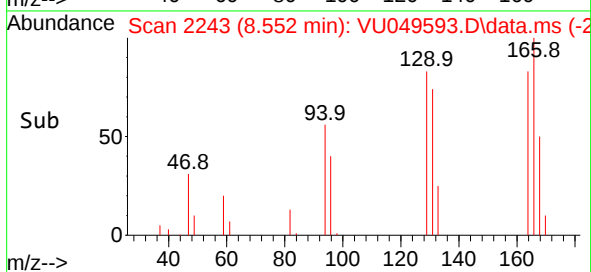
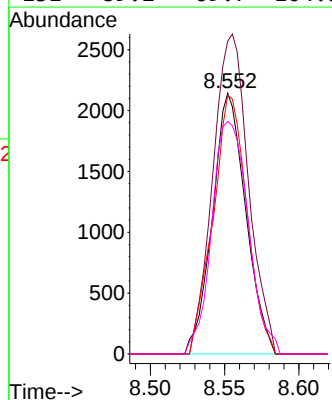
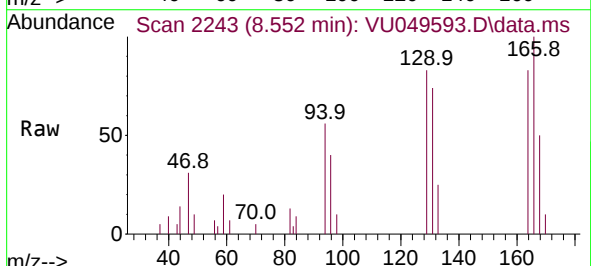
Ion Ratio Lower Upper

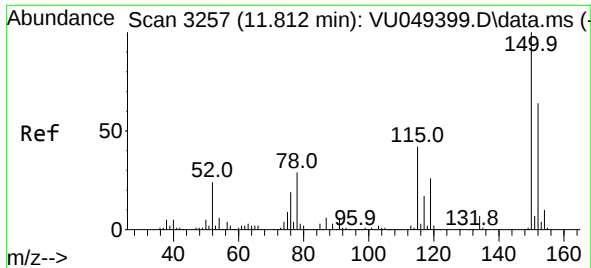
164 100

166 120.0 100.0 150.0

129 99.3 72.0 108.0

131 89.2 69.7 104.5

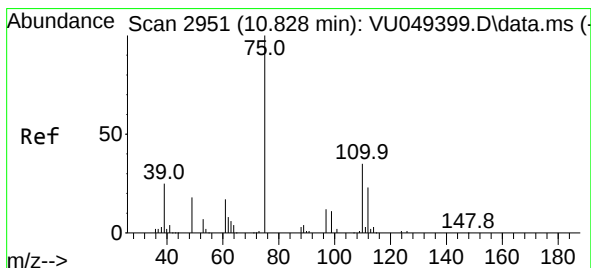
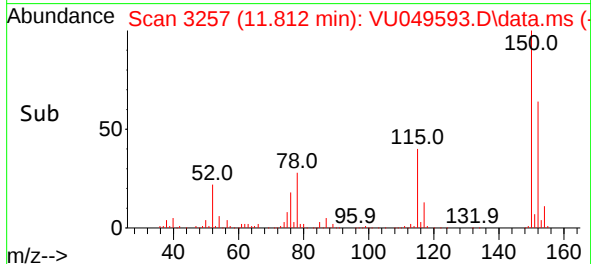
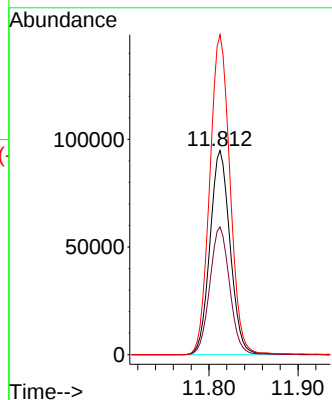
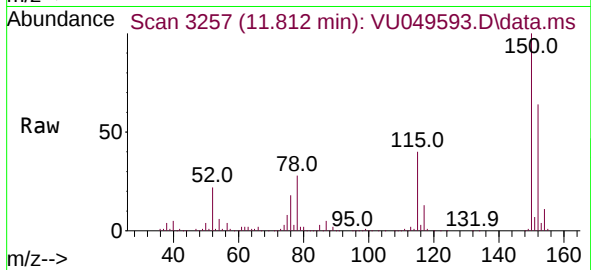




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049593.D
 Acq: 01 Jul 2022 19:42

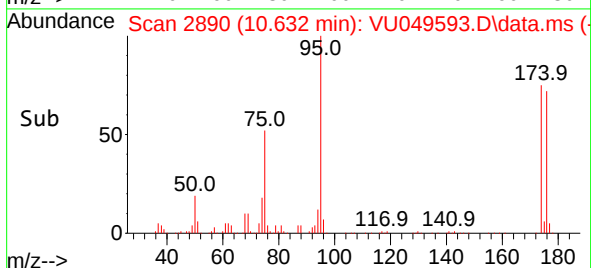
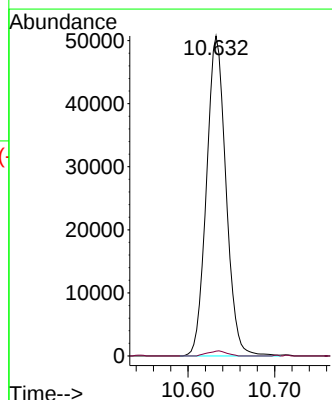
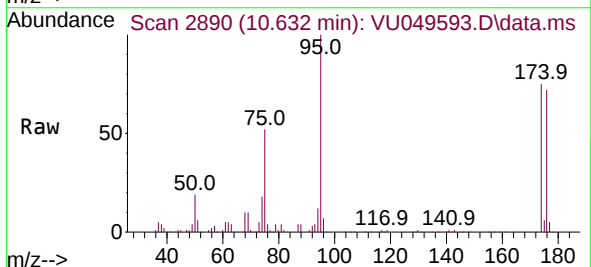
Instrument :
 MSVOA_U
 ClientSampleId :
 WC-14B-11-1-GR

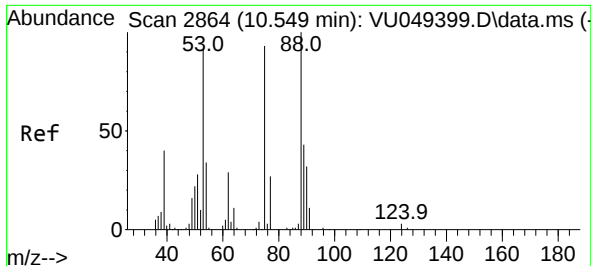
Tgt Ion:152 Resp: 148933
 Ion Ratio Lower Upper
 152 100
 115 61.7 37.0 110.9
 150 157.4 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.692 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049593.D
 Acq: 01 Jul 2022 19:42

Tgt Ion: 75 Resp: 79224
 Ion Ratio Lower Upper
 75 100
 77 1.5 15.8 47.3#

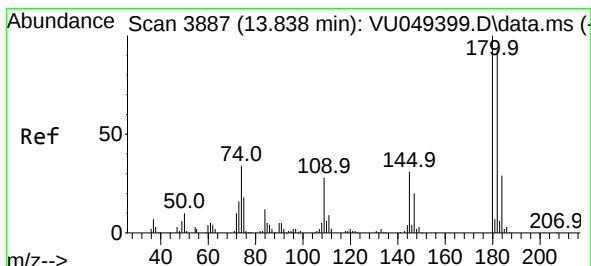
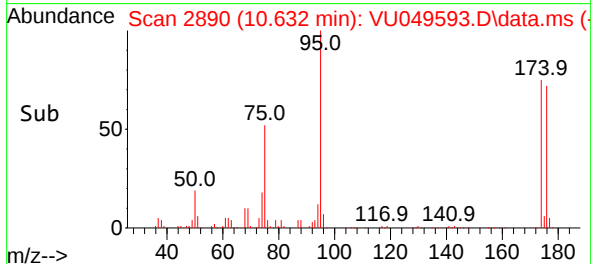
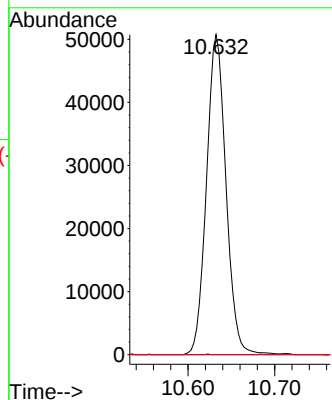
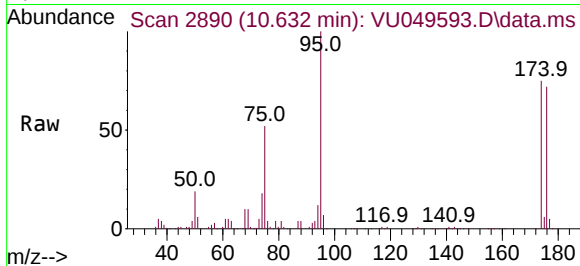




#81
trans-1,4-Dichloro-2-butene
Concen: 57.949 ug/l
RT: 10.632 min Scan# 2864
Delta R.T. 0.084 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

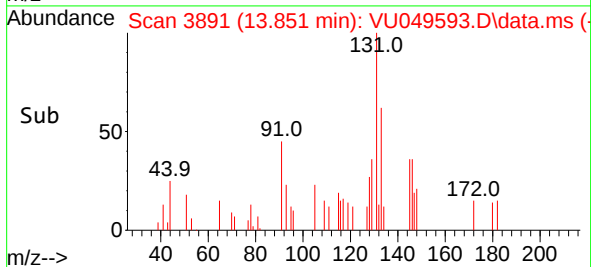
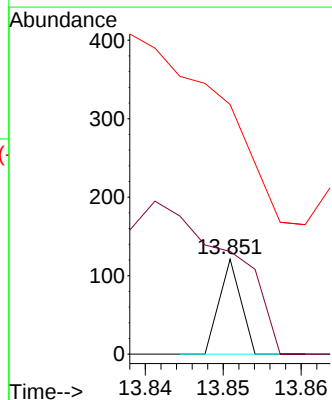
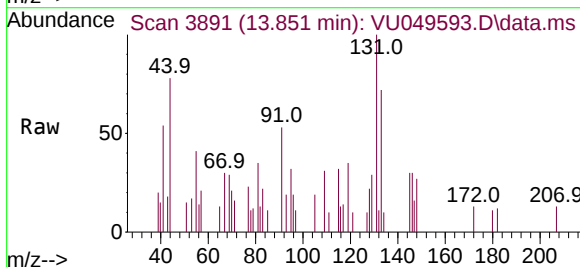
Instrument :
MSVOA_U
ClientSampleId :
WC-14B-11-1-GR

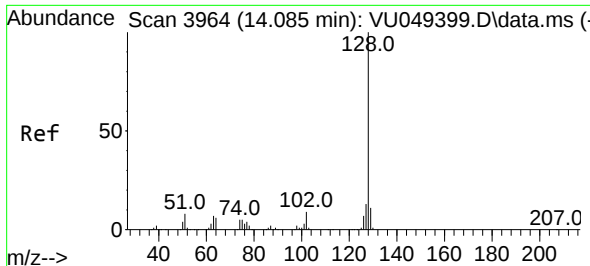
Tgt Ion: 75 Resp: 79224
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.761 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.013 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

Tgt Ion:180 Resp: 23
Ion Ratio Lower Upper
180 100
182 760.9 47.9 143.6#
145 3482.6 14.0 41.9#

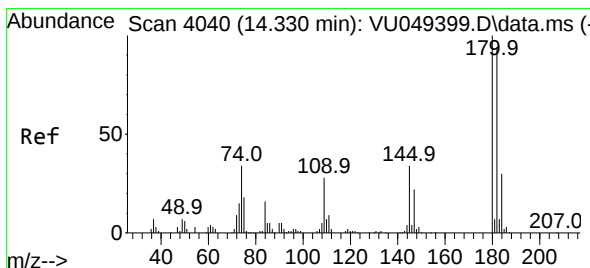
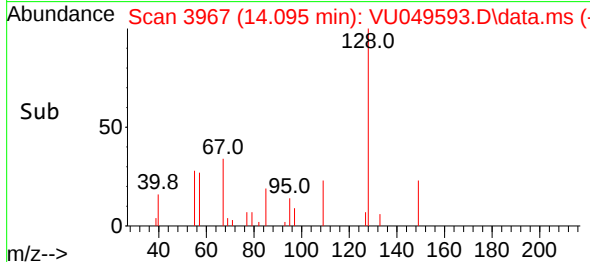
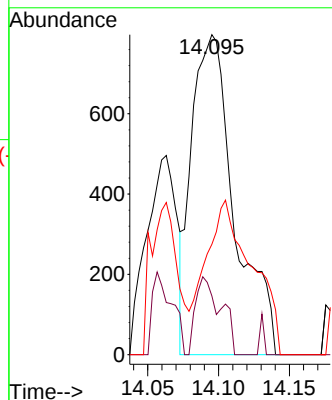
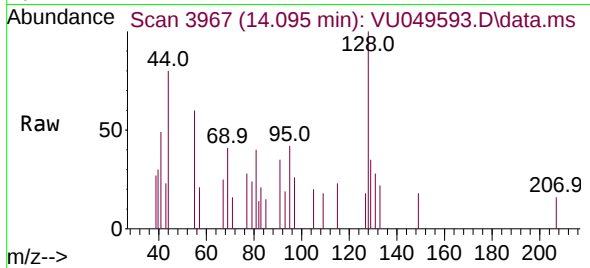




#95
Naphthalene
Concen: 1.875 ug/l
RT: 14.095 min Scan# 3964
Delta R.T. 0.010 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

Instrument :
MSVOA_U
ClientSampleId :
WC-14B-11-1-GR

Tgt Ion:128 Resp: 1683
Ion Ratio Lower Upper
128 100
127 14.2 10.3 15.5
129 52.3 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.190 ug/l
RT: 14.349 min Scan# 4046
Delta R.T. 0.019 min
Lab File: VU049593.D
Acq: 01 Jul 2022 19:42

Tgt Ion:180 Resp: 45
Ion Ratio Lower Upper
180 100
182 0.0 48.4 145.0#
145 5422.2 14.8 44.4#

