

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022122\
 Data File : VU047227.D
 Acq On : 21 Feb 2022 12:52
 Operator : SY/MD
 Sample : N1205-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WS

Quant Time: Feb 22 03:59:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 15 03:17:28 2022
 Response via : Initial Calibration

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

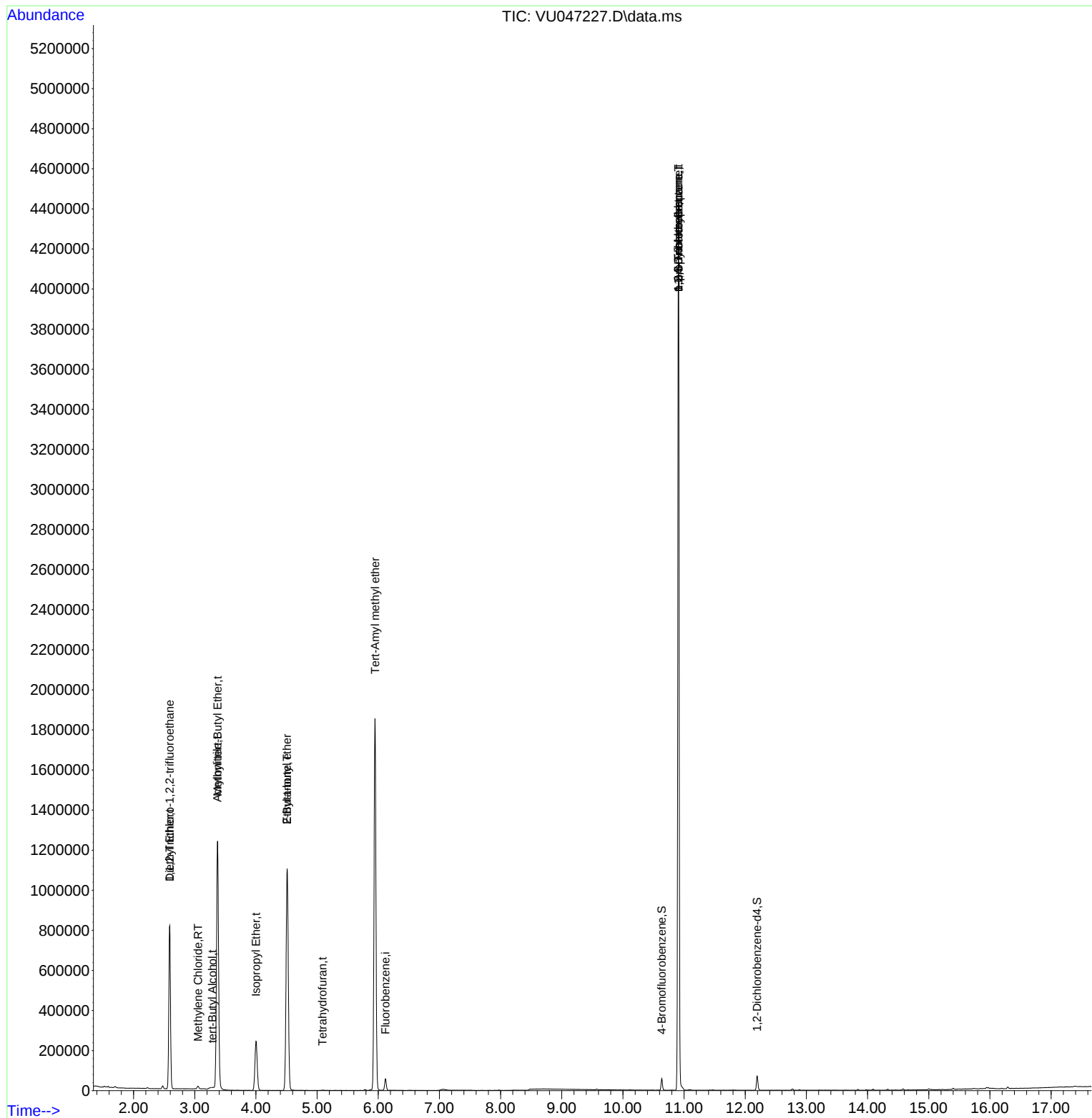
Internal Standards						
1) Fluorobenzene	6.118	96	52343	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	18619	0.918	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	19667	0.931	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
Target Compounds						
					Qvalue	
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	325253	27.056	ug/l	93
12) Acrylonitrile	3.369	53	13868	3.819	ug/l #	41
13) Acetone	2.642	43	131	Below Cal	#	41
15) Methylene Chloride	3.054	84	5714	0.411	ug/l	98
18) 2-Butanone	4.510	43	125981	34.436	ug/l #	1
23) Diethyl Ether	2.591	59	2887	0.289	ug/l #	19
24) tert-Butyl Alcohol	3.289	59	25581	39.336	ug/l #	1
25) Methyl tert-Butyl Ether	3.372	73	1434290	41.339	ug/l	100
31) Isopropyl Ether	4.002	45	260782	6.815	ug/l	99
32) Ethyl-t-butyl ether	4.510	59	1182878	30.411	ug/l	97
33) Tert-Amyl methyl ether	5.948	73	1605099	44.802	ug/l	98
41) Tetrahydrofuran	5.089	42	680	0.271	ug/l #	30
46) t-1,4-Dichloro-2-butene	10.909	75	20312	4.484	ug/l #	1
71) 1,2,3-Trichloropropane	10.909	75	20312	1.622	ug/l #	1
73) n-propylbenzene	10.909	120	788696	42.324	ug/l	88
75) 1,3,5-Trimethylbenzene	10.909	105	124047	2.235	ug/l #	1

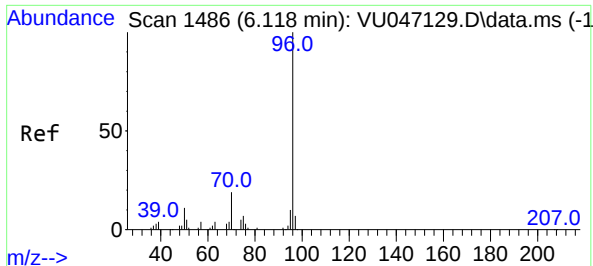
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
PT-ADD-WS

Quant Time: Feb 22 03:59:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Feb 15 03:17:28 2022
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.118 min Scan# 14

Delta R.T. 0.000 min

Lab File: VU047227.D

Acq: 21 Feb 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WS

Tgt Ion: 96 Resp: 52343

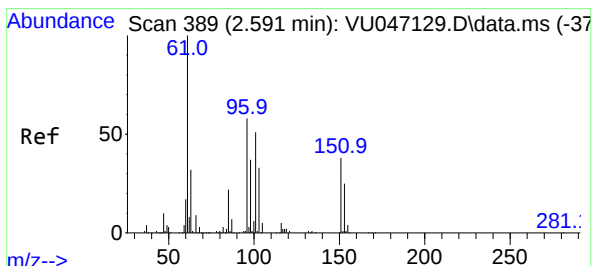
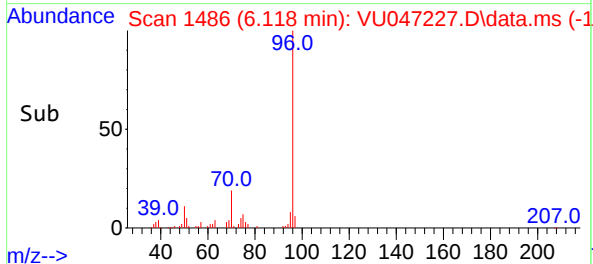
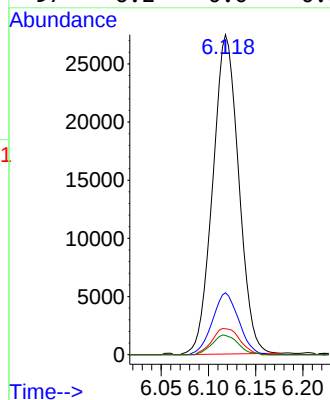
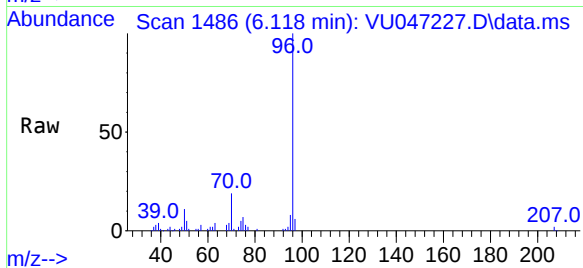
Ion Ratio Lower Upper

96 100

70 19.7 16.8 25.2

95 8.8 7.3 10.9

97 6.2 0.0 0.0#



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 27.056 ug/l

RT: 2.591 min Scan# 389

Delta R.T. -0.000 min

Lab File: VU047227.D

Acq: 21 Feb 2022 12:52

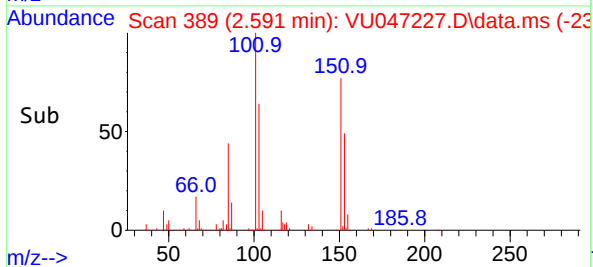
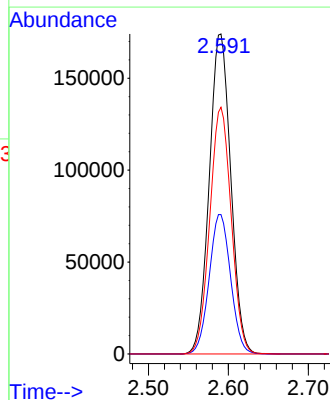
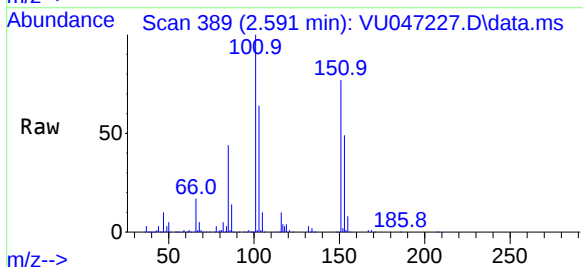
Tgt Ion:101 Resp: 325253

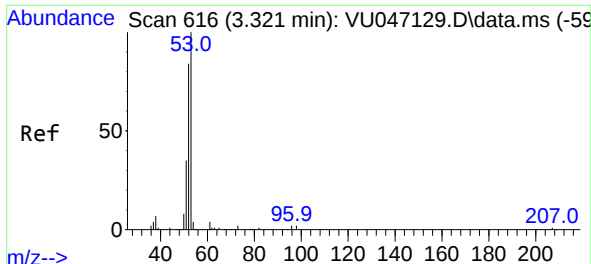
Ion Ratio Lower Upper

101 100

85 43.4 35.8 53.6

151 76.9 54.6 81.8

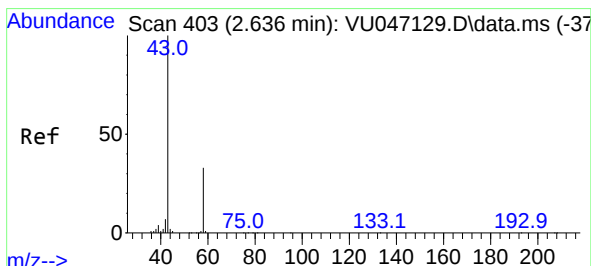
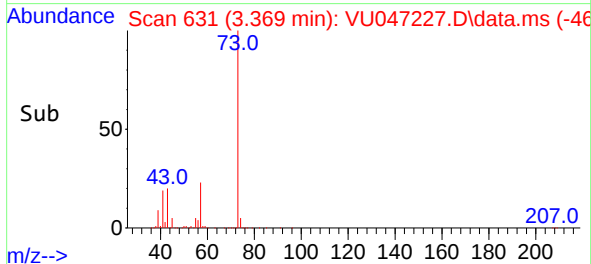
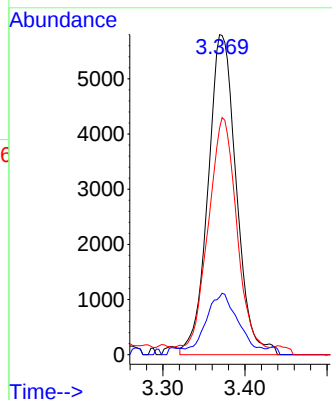
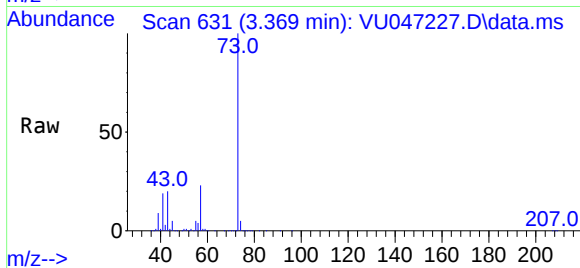




#12
Acrylonitrile
Concen: 3.819 ug/l
RT: 3.369 min Scan# 61
Delta R.T. 0.048 min
Lab File: VU047227.D
Acq: 21 Feb 2022 12:52

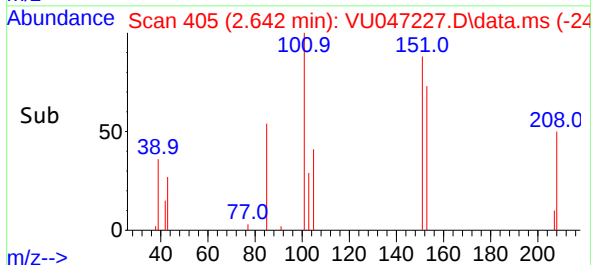
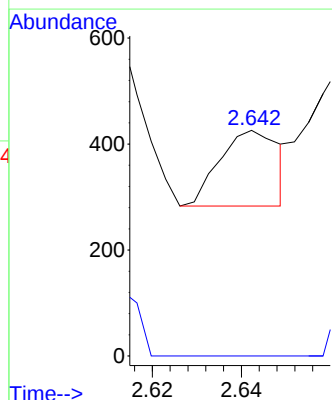
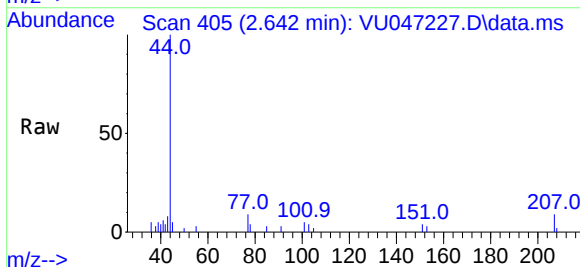
Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS

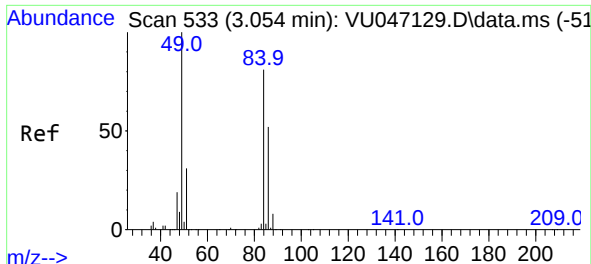
Tgt Ion: 53 Resp: 13868
Ion Ratio Lower Upper
53 100
52 22.0 56.7 85.1#
51 72.5 30.3 45.5#



#13
Acetone
Concen: Below Cal
RT: 2.642 min Scan# 405
Delta R.T. 0.006 min
Lab File: VU047227.D
Acq: 21 Feb 2022 12:52

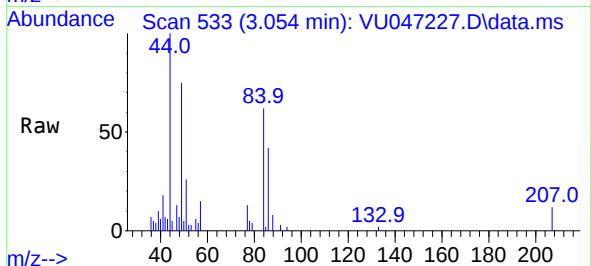
Tgt Ion: 43 Resp: 131
Ion Ratio Lower Upper
43 100
58 0.0 27.1 40.7#





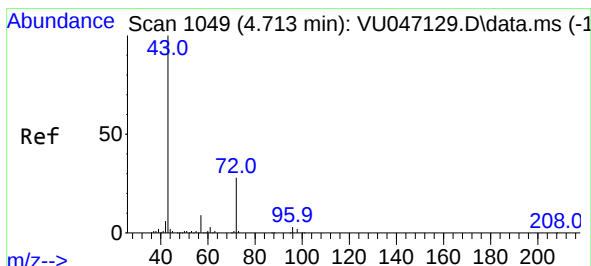
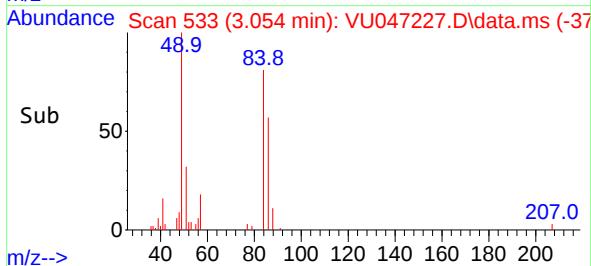
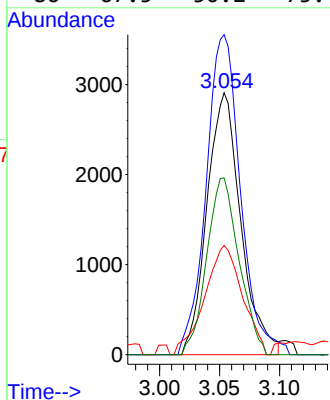
#15
Methylene Chloride
Concen: 0.411 ug/l
RT: 3.054 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU047227.D
Acq: 21 Feb 2022 12:52

Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS



Tgt Ion: 84 Resp: 5714

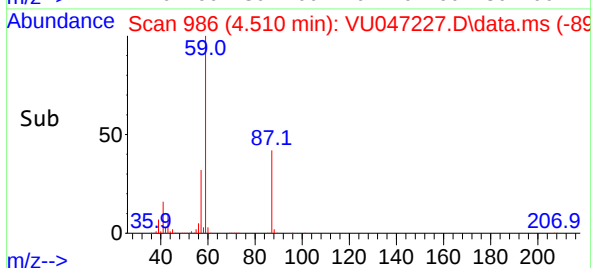
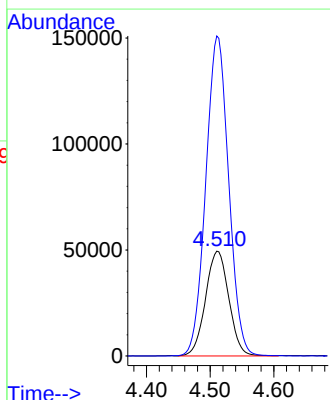
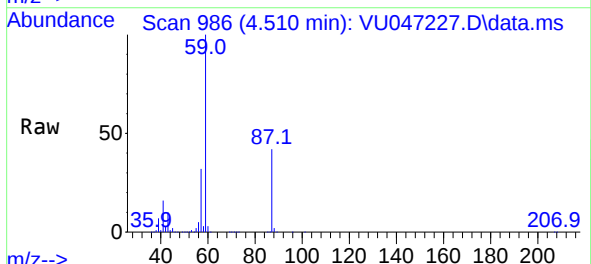
Ion	Ratio	Lower	Upper
84	100		
49	122.2	97.2	145.8
51	37.7	0.0	73.4
86	67.5	50.2	75.4

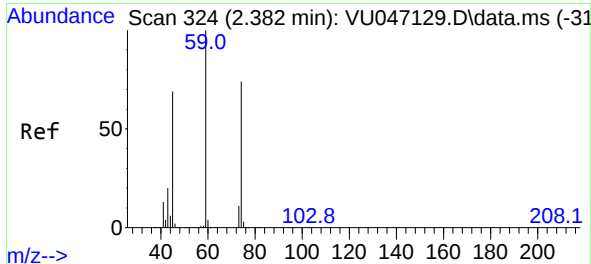


#18
2-Butanone
Concen: 34.436 ug/l
RT: 4.510 min Scan# 986
Delta R.T. -0.203 min
Lab File: VU047227.D
Acq: 21 Feb 2022 12:52

Tgt Ion: 43 Resp: 125981

Ion	Ratio	Lower	Upper
43	100		
57	304.8	0.0	16.6#





#23

Diethyl Ether

Concen: 0.289 ug/l

RT: 2.591 min Scan# 31

Delta R.T. 0.209 min

Lab File: VU047227.D

Acq: 21 Feb 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WS

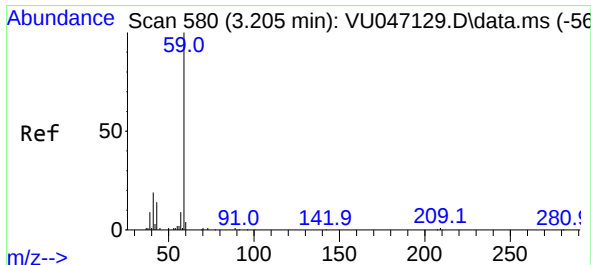
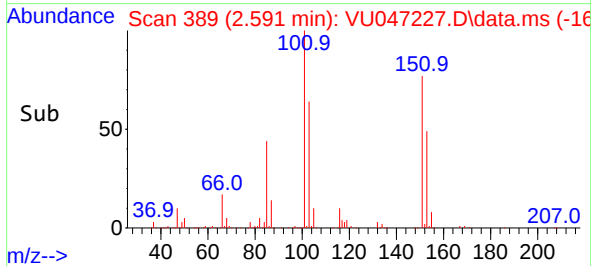
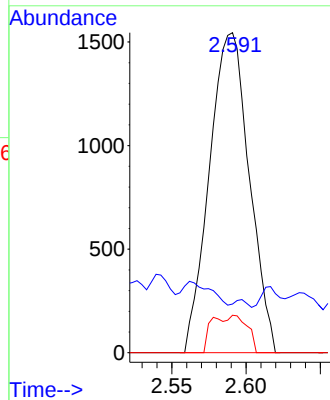
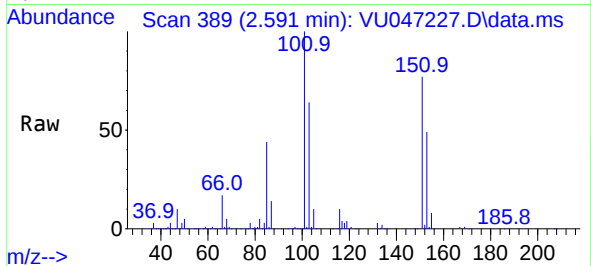
Tgt Ion: 59 Resp: 2887

Ion Ratio Lower Upper

59 100

45 4.7 55.6 83.4#

74 4.2 58.1 87.1#



#24

tert-Butyl Alcohol

Concen: 39.336 ug/l

RT: 3.289 min Scan# 606

Delta R.T. 0.084 min

Lab File: VU047227.D

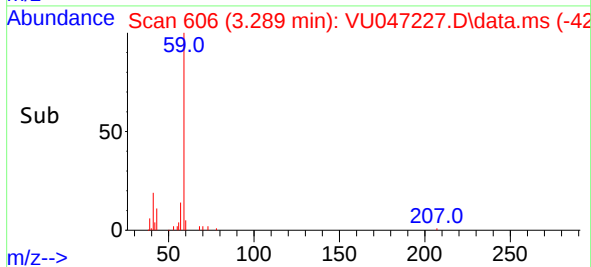
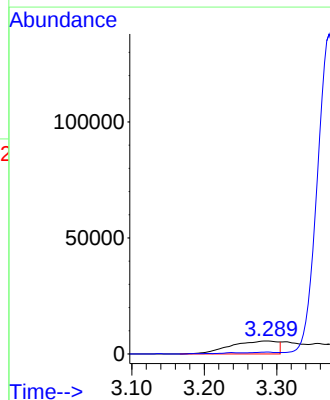
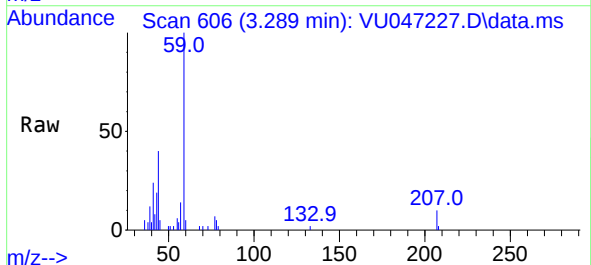
Acq: 21 Feb 2022 12:52

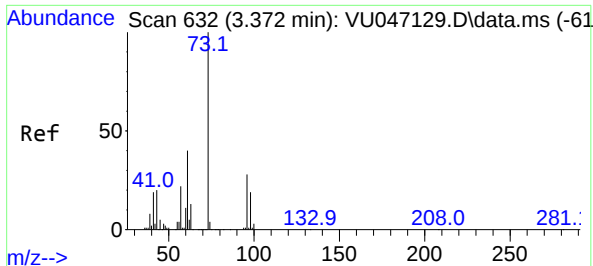
Tgt Ion: 59 Resp: 25581

Ion Ratio Lower Upper

59 100

57 1257.2 6.5 9.7#

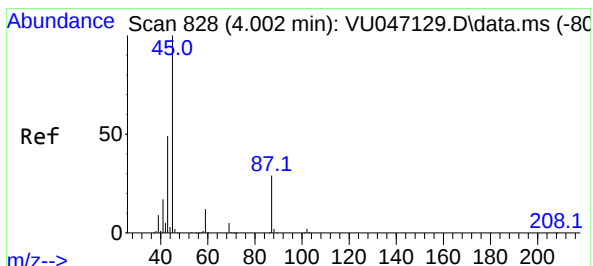
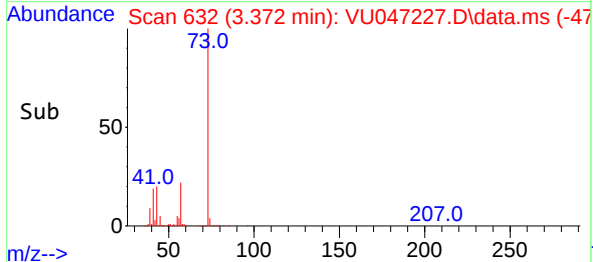
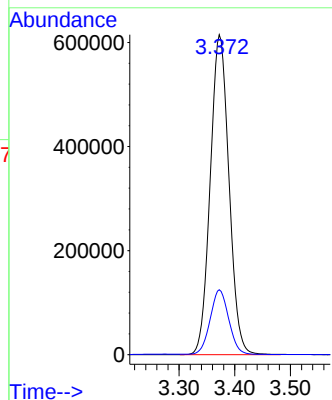
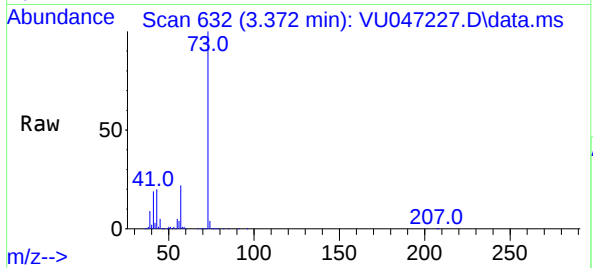




#25
Methyl tert-Butyl Ether
Concen: 41.339 ug/l
RT: 3.372 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU047227.D
Acq: 21 Feb 2022 12:52

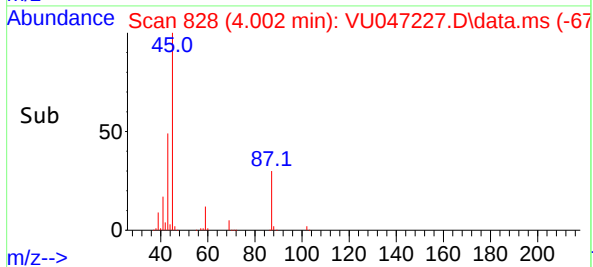
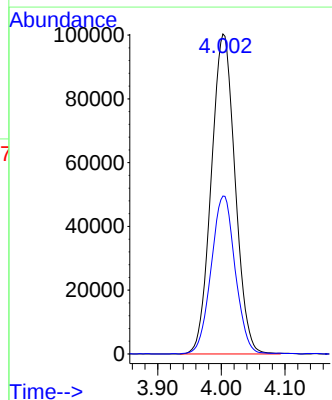
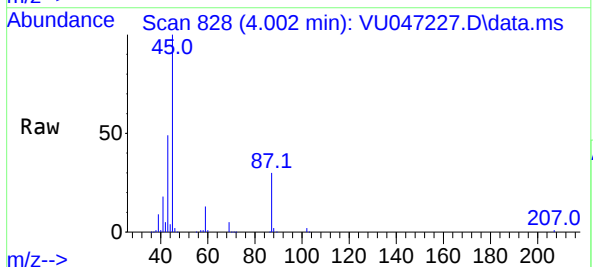
Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS

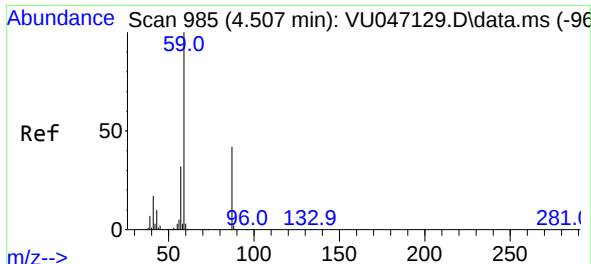
Tgt Ion: 73 Resp: 1434290
Ion Ratio Lower Upper
73 100
43 20.2 16.3 24.5



#31
Isopropyl Ether
Concen: 6.815 ug/l
RT: 4.002 min Scan# 828
Delta R.T. -0.000 min
Lab File: VU047227.D
Acq: 21 Feb 2022 12:52

Tgt Ion: 45 Resp: 260782
Ion Ratio Lower Upper
45 100
43 49.8 25.3 75.8

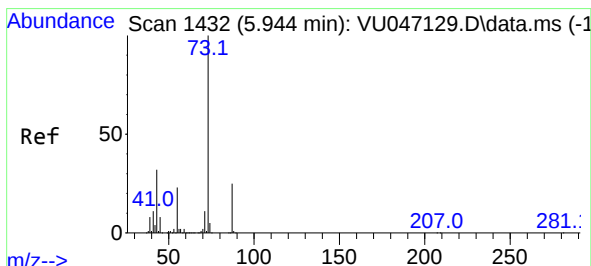
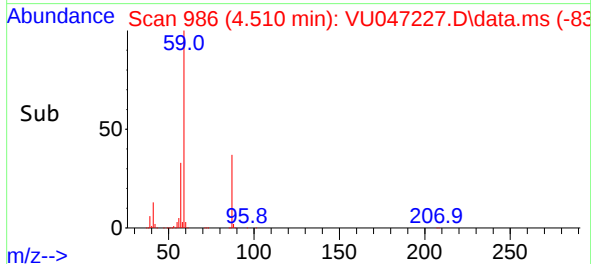
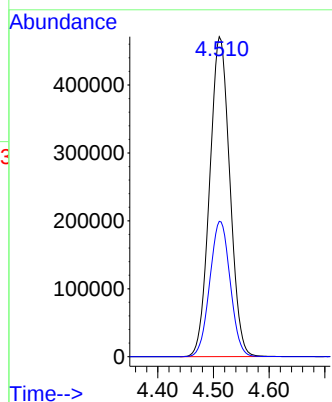
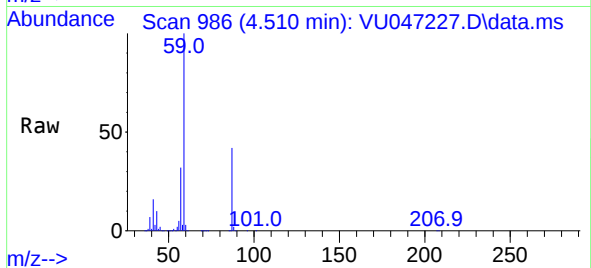




#32
Ethyl-t-butyl ether
Concen: 30.411 ug/l
RT: 4.510 min Scan# 91
Delta R.T. 0.003 min
Lab File: VU047227.D
Acq: 21 Feb 2022 12:52

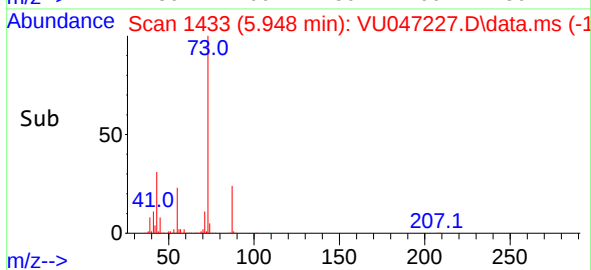
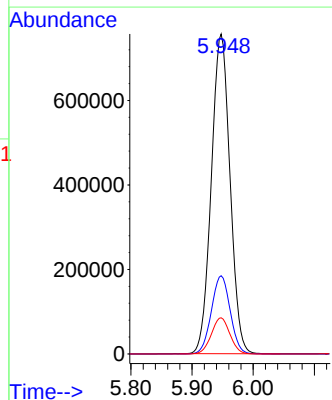
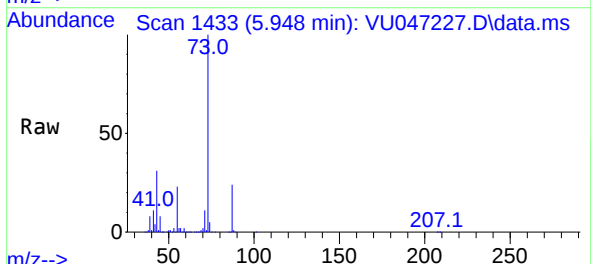
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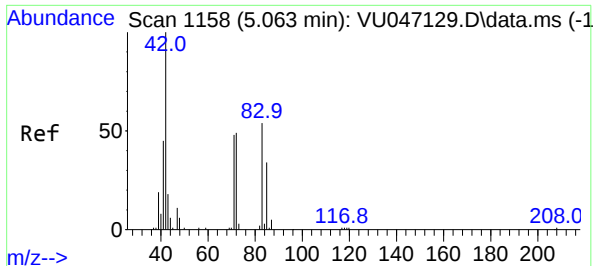
Tgt Ion: 59 Resp: 1182878
Ion Ratio Lower Upper
59 100
87 42.9 32.7 49.1



#33
Tert-Amyl methyl ether
Concen: 44.802 ug/l
RT: 5.948 min Scan# 1433
Delta R.T. 0.003 min
Lab File: VU047227.D
Acq: 21 Feb 2022 12:52

Tgt Ion: 73 Resp: 1605099
Ion Ratio Lower Upper
73 100
87 24.6 18.6 28.0
71 11.3 9.0 13.6

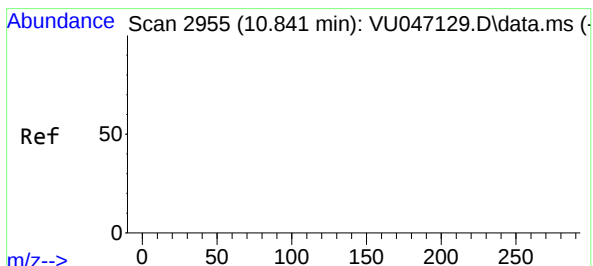
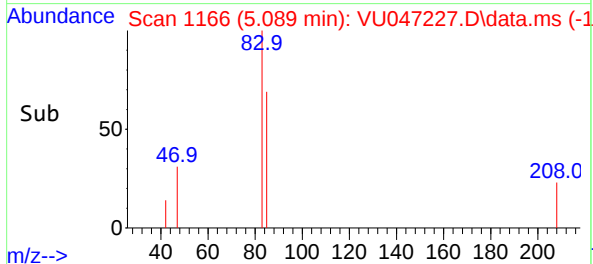
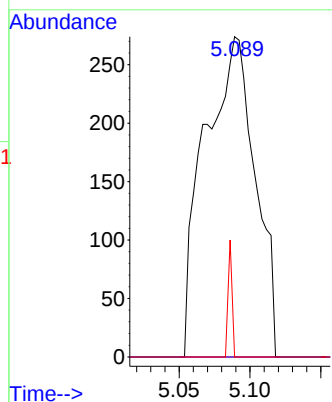
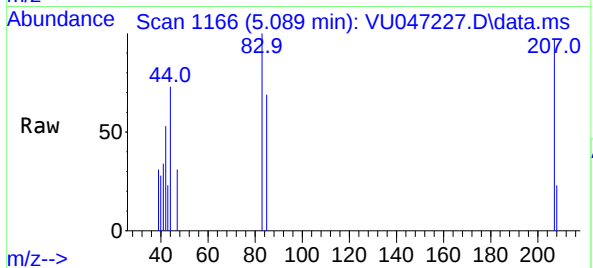




#41
Tetrahydrofuran
Concen: 0.271 ug/l
RT: 5.089 min Scan# 1158
Delta R.T. 0.026 min
Lab File: VU047227.D
Acq: 21 Feb 2022 12:52

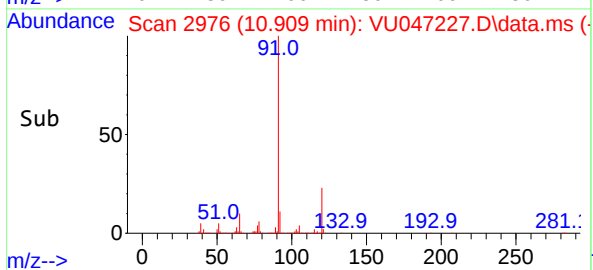
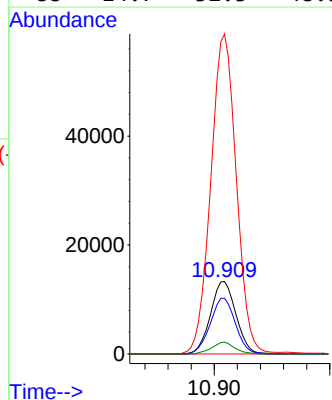
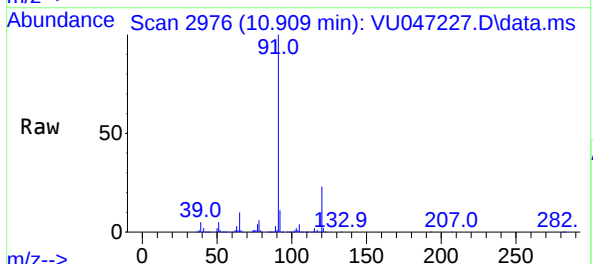
Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS

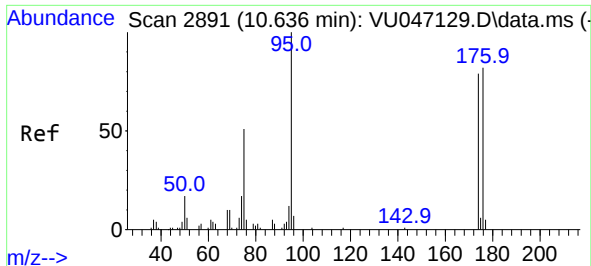
Tgt Ion: 42 Resp: 680
Ion Ratio Lower Upper
42 100
72 0.0 42.4 63.6#
71 2.8 36.4 54.6#



#46
t-1,4-Dichloro-2-butene
Concen: 4.484 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.068 min
Lab File: VU047227.D
Acq: 21 Feb 2022 12:52

Tgt Ion: 75 Resp: 20312
Ion Ratio Lower Upper
75 100
53 75.9 66.8 100.2
89 443.5 41.7 62.5#
88 14.7 32.3 48.5#



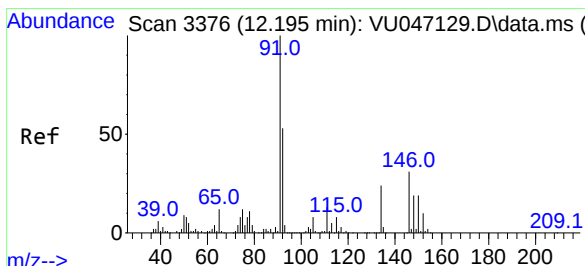
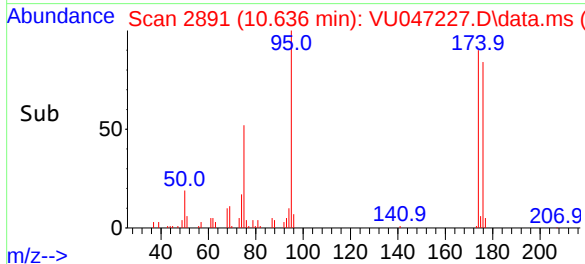
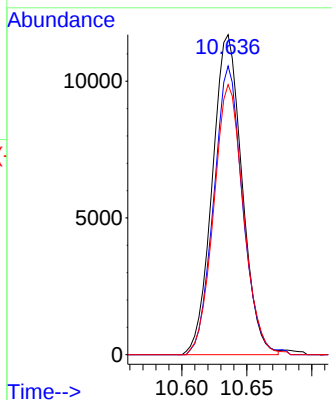
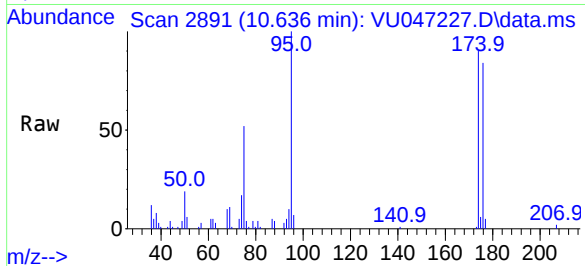


#57
4-Bromofluorobenzene
Concen: 0.918 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU047227.D
Acq: 21 Feb 2022 12:52

Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS

Tgt Ion: 95 Resp: 18619

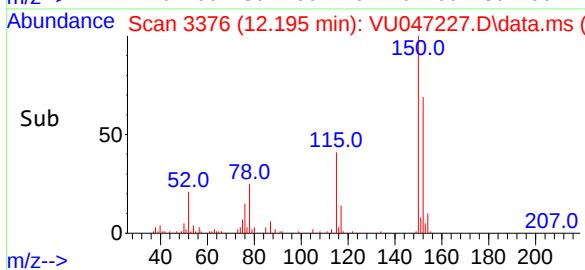
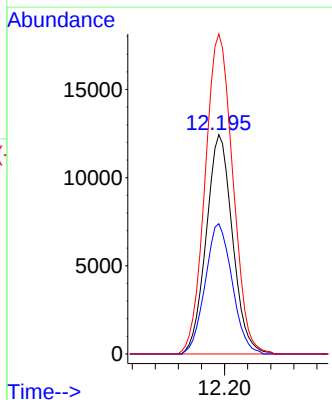
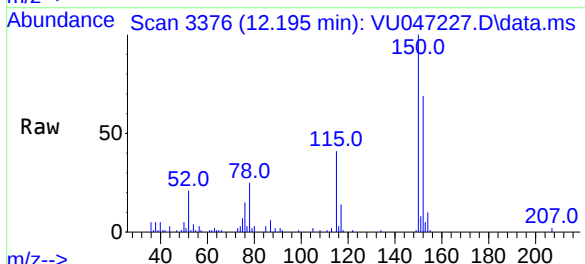
Ion	Ratio	Lower	Upper
95	100		
174	87.7	56.6	84.8#
176	84.3	54.3	81.5#

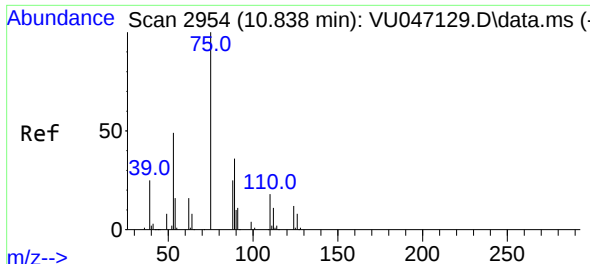


#68
1,2-Dichlorobenzene-d4
Concen: 0.931 ug/l
RT: 12.195 min Scan# 3376
Delta R.T. -0.000 min
Lab File: VU047227.D
Acq: 21 Feb 2022 12:52

Tgt Ion: 152 Resp: 19667

Ion	Ratio	Lower	Upper
152	100		
115	60.9	0.0	251.0
150	154.0	0.0	613.8

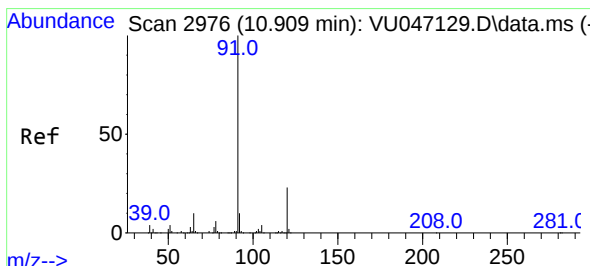
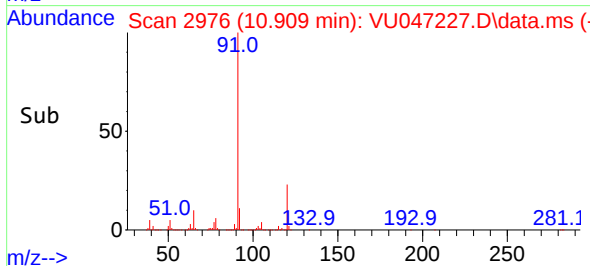
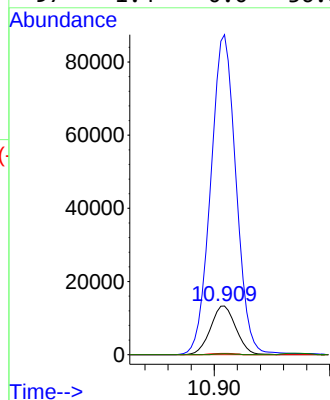
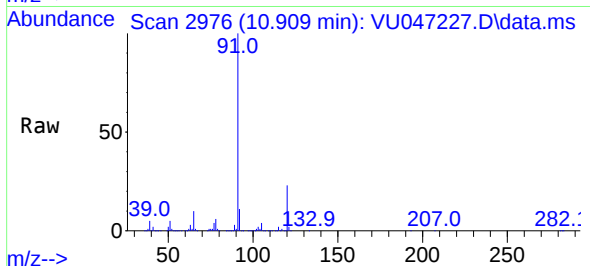




#71
1,2,3-Trichloropropane
Concen: 1.622 ug/l
RT: 10.909 min Scan# 2954
Delta R.T. 0.071 min
Lab File: VU047227.D
Acq: 21 Feb 2022 12:52

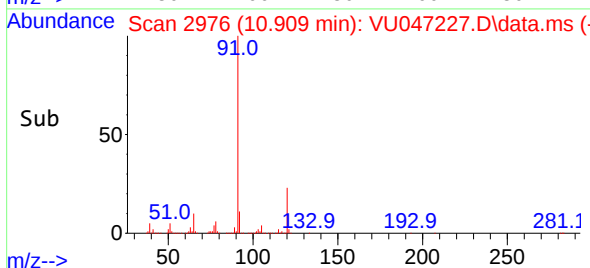
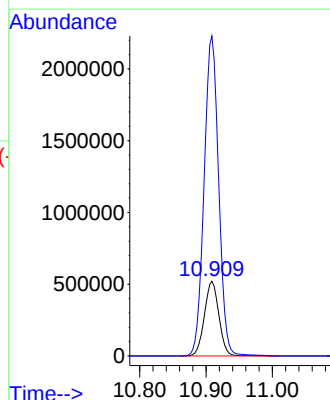
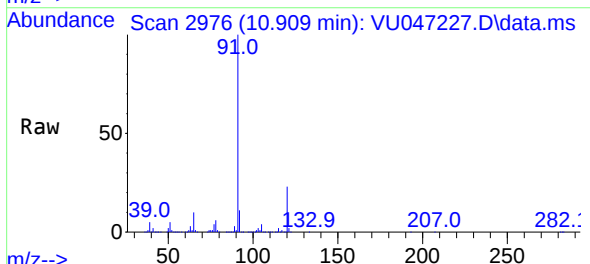
Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS

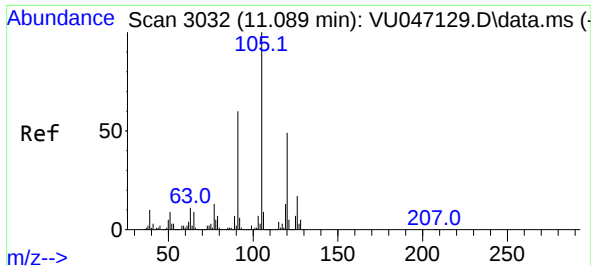
Tgt Ion: 75 Resp: 20312
Ion Ratio Lower Upper
75 100
77 658.4 0.0 105.6#
110 2.6 0.0 71.2
97 1.4 0.0 36.8



#73
n-propylbenzene
Concen: 42.324 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.000 min
Lab File: VU047227.D
Acq: 21 Feb 2022 12:52

Tgt Ion:120 Resp: 788696
Ion Ratio Lower Upper
120 100
91 430.9 370.7 556.1





#75
 1,3,5-Trimethylbenzene
 Concen: 2.235 ug/l
 RT: 10.909 min Scan# 2976
 Delta R.T. -0.180 min
 Lab File: VU047227.D
 Acq: 21 Feb 2022 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WS

Tgt Ion:105 Resp: 124047
 Ion Ratio Lower Upper
 105 100
 120 635.8 38.6 58.0#

