

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032923\
 Data File : VU053475.D
 Acq On : 29 Mar 2023 19:44
 Operator : JC/MD
 Sample : 01245-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-TURB-WS

Quant Time: Mar 30 14:10:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 30 13:33:10 2023
 Response via : Initial Calibration

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

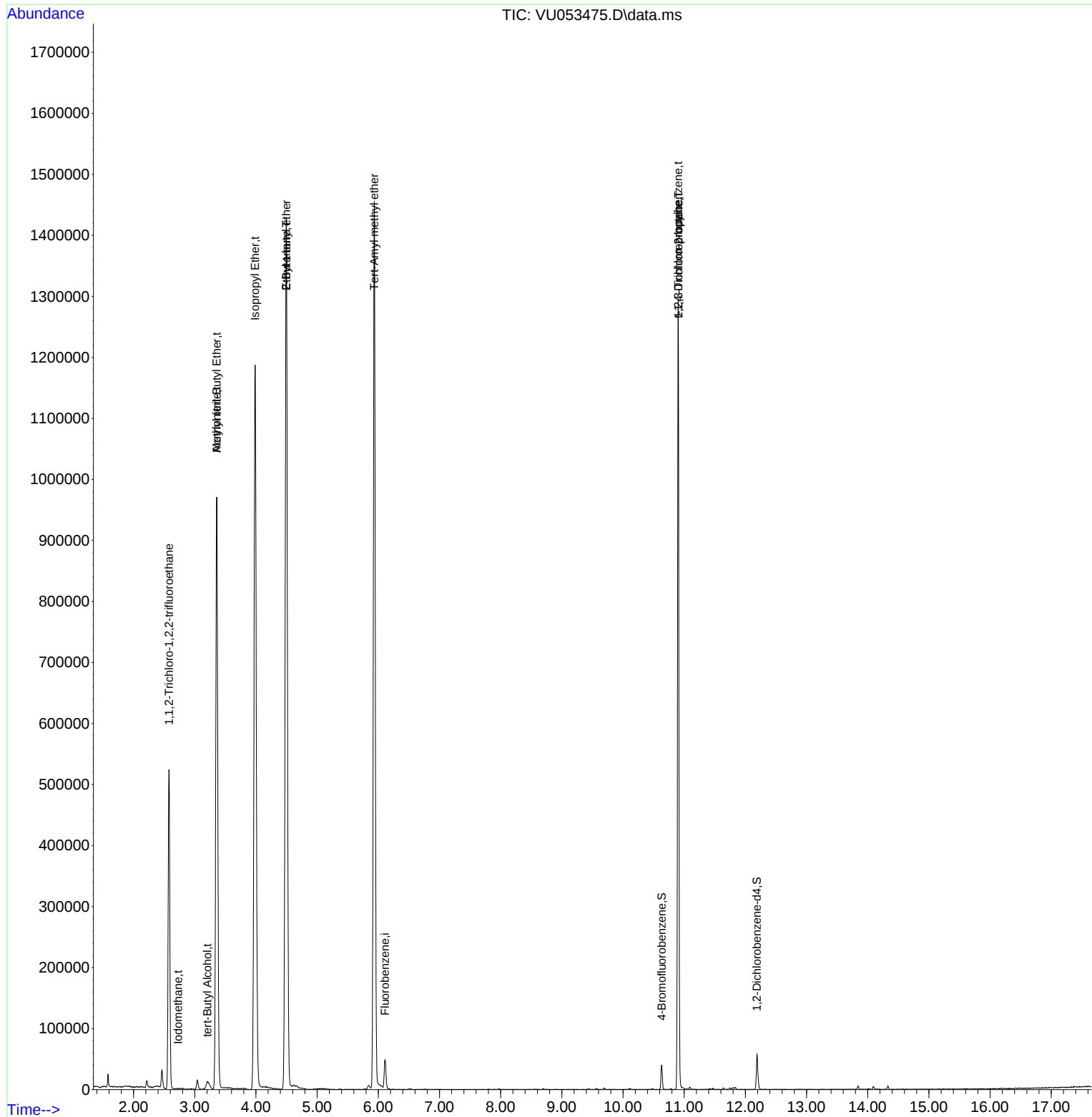
Internal Standards						
1) Fluorobenzene	6.108	96	46150	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	13287	0.797	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	13740	0.822	ug/l	0.00
Spiked Amount 1.000			Recovery	=	82.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.858	94	381	Below Cal	#	73
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	209279	15.701	ug/l	99
10) Iodomethane	2.726	142	125	0.620	ug/l #	31
12) Acrylonitrile	3.359	53	11093	4.684	ug/l #	28
15) Methylene Chloride	3.044	84	6767	Below Cal		85
18) 2-Butanone	4.498	43	150319	31.795	ug/l #	1
24) tert-Butyl Alcohol	3.208	59	29339	33.352	ug/l #	1
25) Methyl tert-Butyl Ether	3.359	73	1138829	42.141	ug/l	97
31) Isopropyl Ether	3.986	45	1230938	38.916	ug/l	93
32) Ethyl-t-butyl ether	4.494	59	1503622	46.277	ug/l	97
33) Tert-Amyl methyl ether	5.935	73	1291636	44.708	ug/l	99
46) t-1,4-Dichloro-2-butene	10.906	75	5847	2.040	ug/l #	1
71) 1,2,3-Trichloropropane	10.906	75	5847	0.698	ug/l #	1
73) n-propylbenzene	10.902	120	218410	13.690	ug/l	99

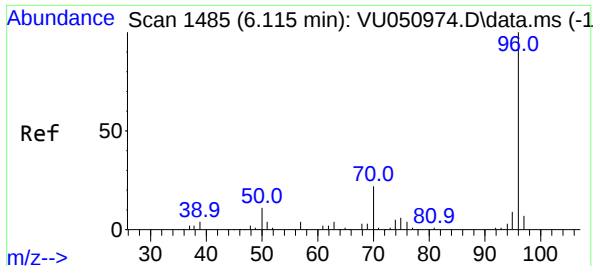
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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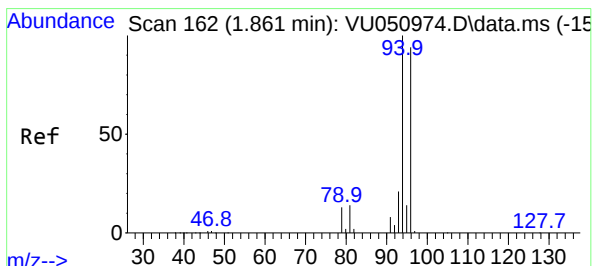
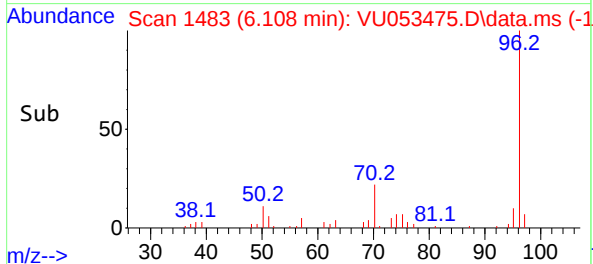
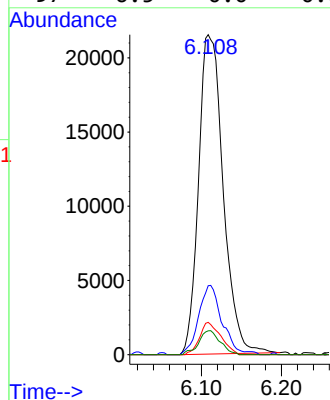
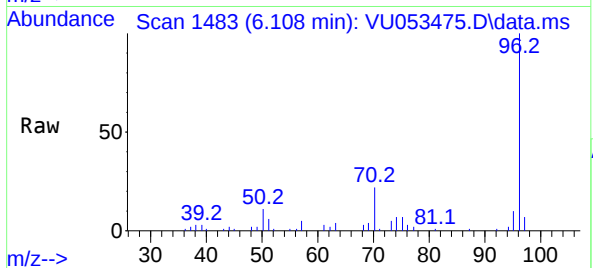




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.108 min Scan# 14
Delta R.T. -0.007 min
Lab File: VU053475.D
Acq: 29 Mar 2023 19:44

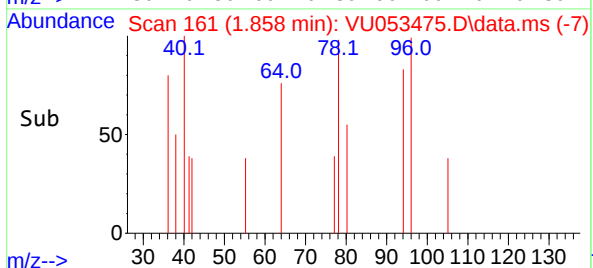
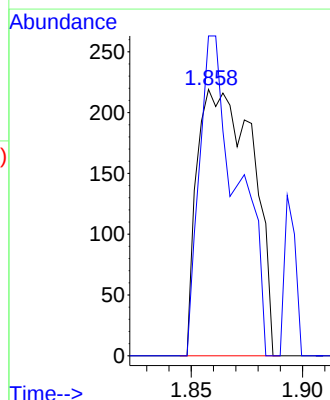
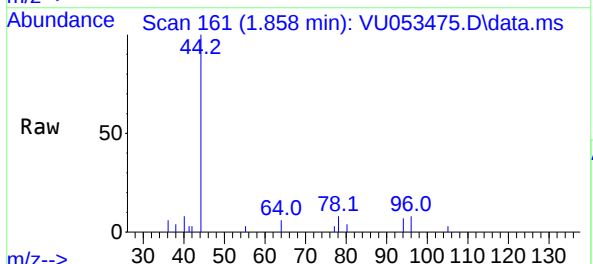
Instrument :
MSVOA_U
ClientSampleId :
PT-TURB-WS

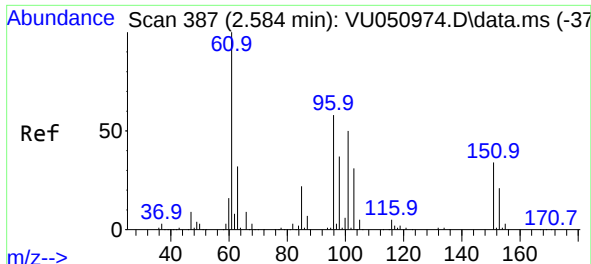
Tgt Ion:	96	Resp:	46150
Ion	Ratio	Lower	Upper
96	100		
70	19.3	16.5	24.7
95	8.7	7.4	11.0
97	6.5	0.0	0.0



#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 161
Delta R.T. -0.003 min
Lab File: VU053475.D
Acq: 29 Mar 2023 19:44

Tgt Ion:	94	Resp:	381
Ion	Ratio	Lower	Upper
94	100		
96	120.1	75.4	113.2

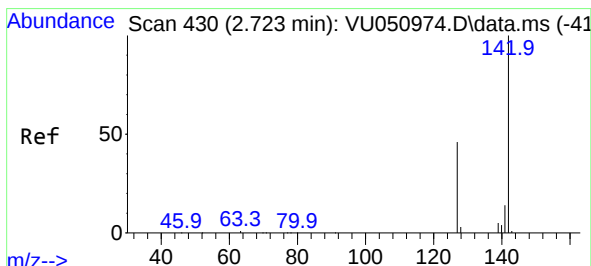
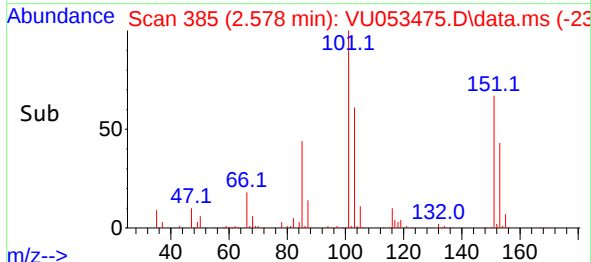
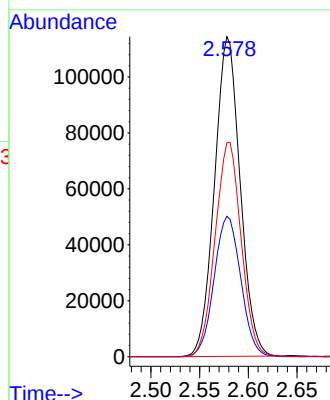
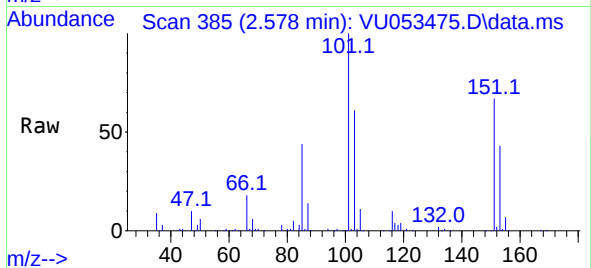




#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 15.701 ug/l
RT: 2.578 min Scan# 31
Delta R.T. -0.006 min
Lab File: VU053475.D
Acq: 29 Mar 2023 19:44

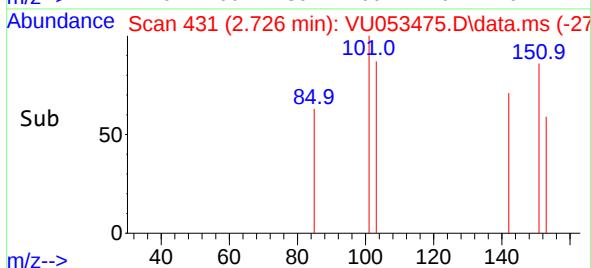
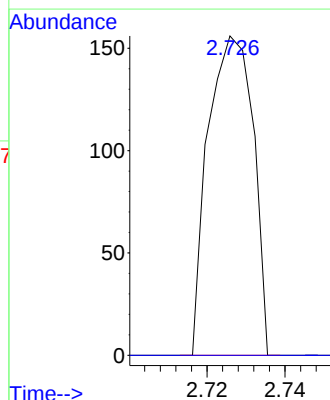
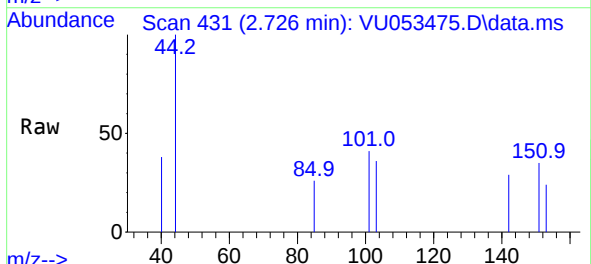
Instrument :
MSVOA_U
ClientSampleId :
PT-TURB-WS

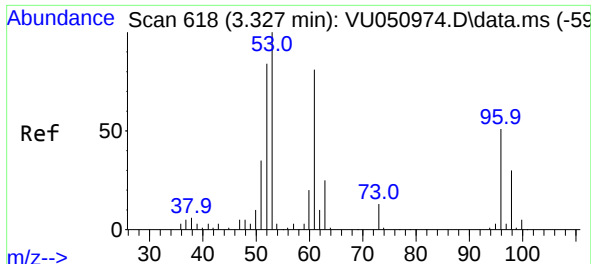
Tgt Ion:101 Resp: 209279
Ion Ratio Lower Upper
101 100
85 45.7 35.4 53.0
151 68.3 54.0 81.0



#10
Iodomethane
Concen: 0.620 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.003 min
Lab File: VU053475.D
Acq: 29 Mar 2023 19:44

Tgt Ion:142 Resp: 125
Ion Ratio Lower Upper
142 100
127 0.0 35.9 53.9#

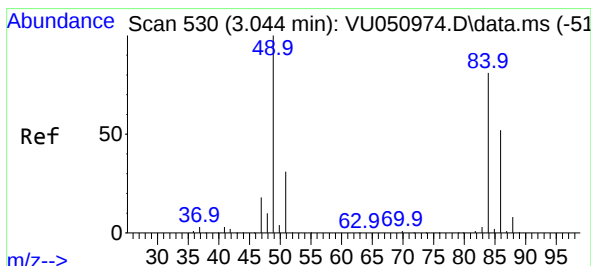
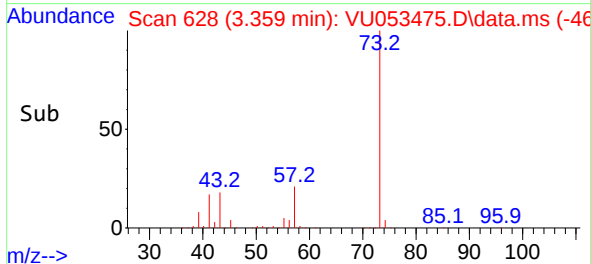
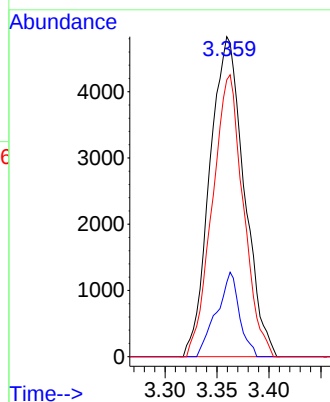
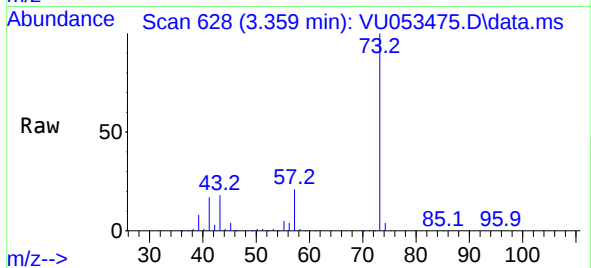




#12
Acrylonitrile
Concen: 4.684 ug/l
RT: 3.359 min Scan# 61
Delta R.T. 0.032 min
Lab File: VU053475.D
Acq: 29 Mar 2023 19:44

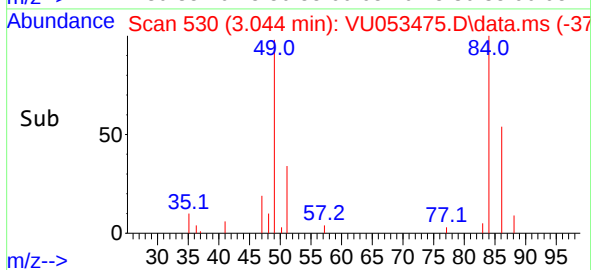
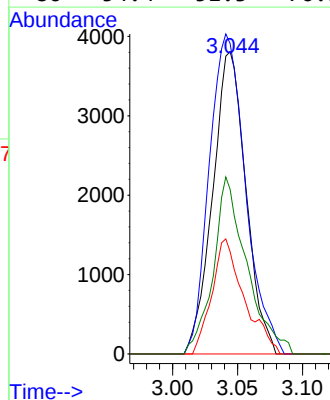
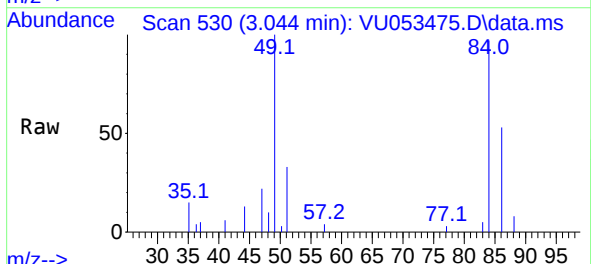
Instrument :
MSVOA_U
ClientSampleId :
PT-TURB-WS

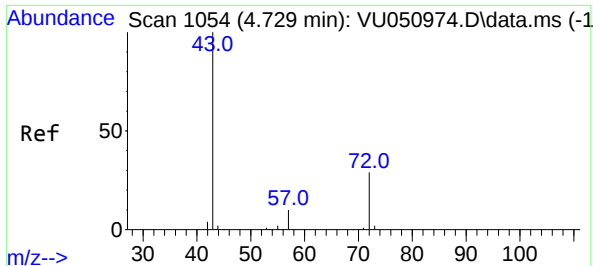
Tgt Ion: 53 Resp: 11093
Ion Ratio Lower Upper
53 100
52 17.6 62.9 94.3#
51 79.4 27.8 41.6#



#15
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053475.D
Acq: 29 Mar 2023 19:44

Tgt Ion: 84 Resp: 6767
Ion Ratio Lower Upper
84 100
49 102.7 98.9 148.3
51 33.8 0.0 75.4
86 54.4 51.3 76.9

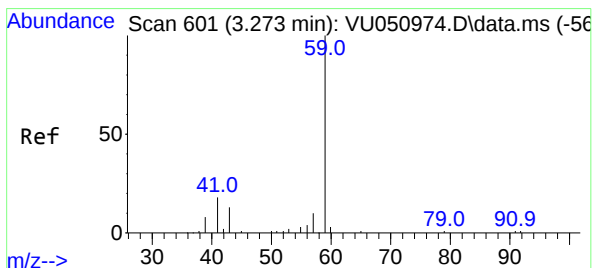
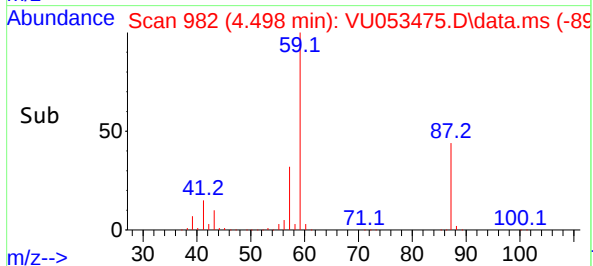
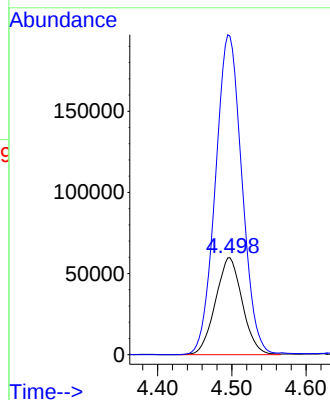
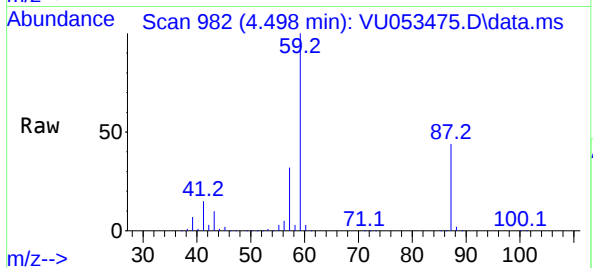




#18
2-Butanone
Concen: 31.795 ug/l
RT: 4.498 min Scan# 91
Delta R.T. -0.232 min
Lab File: VU053475.D
Acq: 29 Mar 2023 19:44

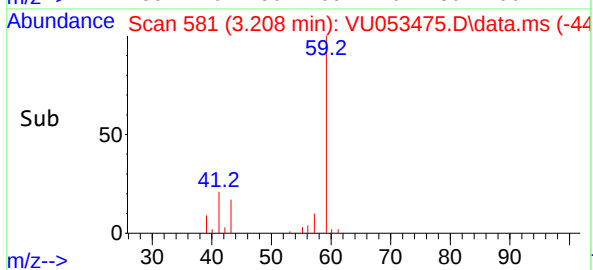
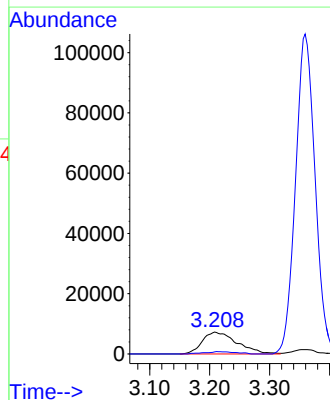
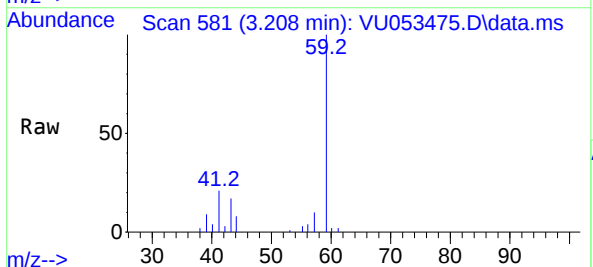
Instrument :
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ClientSampleId :
PT-TURB-WS

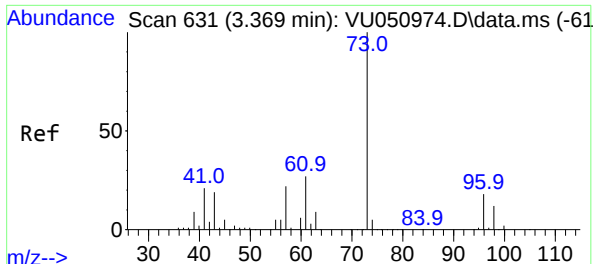
Tgt Ion: 43 Resp: 150319
Ion Ratio Lower Upper
43 100
57 327.9 0.0 19.6#



#24
tert-Butyl Alcohol
Concen: 33.352 ug/l
RT: 3.208 min Scan# 581
Delta R.T. -0.065 min
Lab File: VU053475.D
Acq: 29 Mar 2023 19:44

Tgt Ion: 59 Resp: 29339
Ion Ratio Lower Upper
59 100
57 0.0 105.6 158.4#

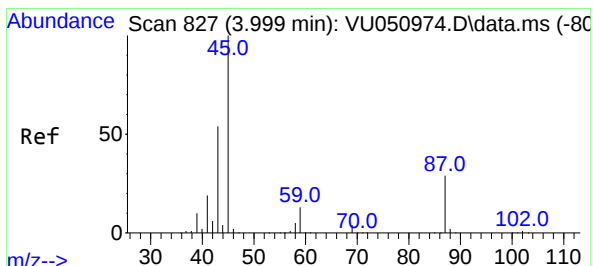
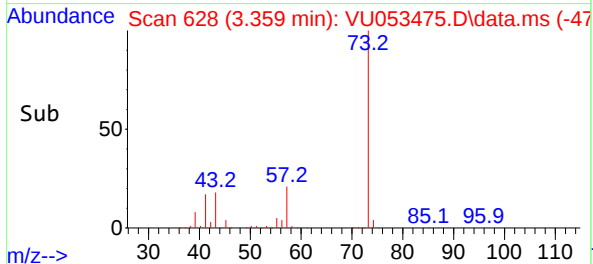
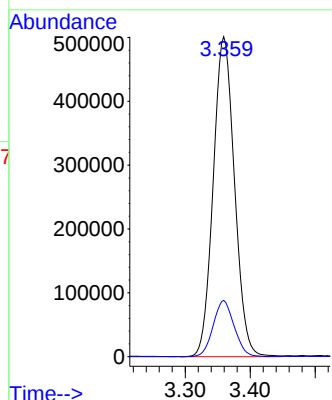
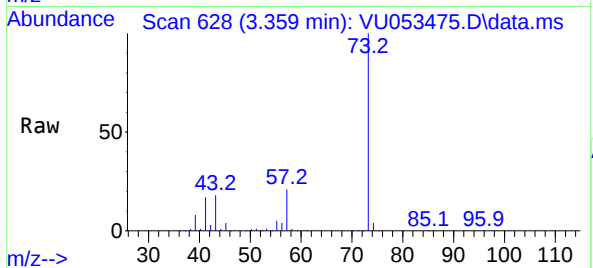




#25
Methyl tert-Butyl Ether
Concen: 42.141 ug/l
RT: 3.359 min Scan# 61
Delta R.T. -0.010 min
Lab File: VU053475.D
Acq: 29 Mar 2023 19:44

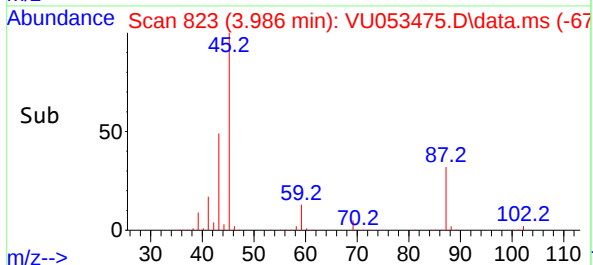
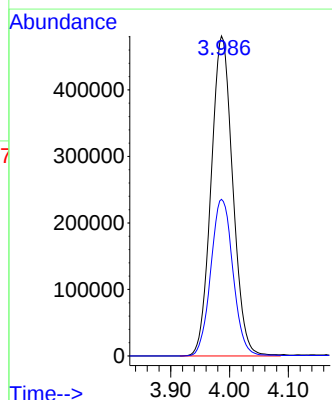
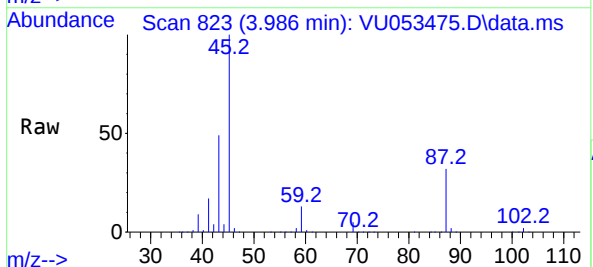
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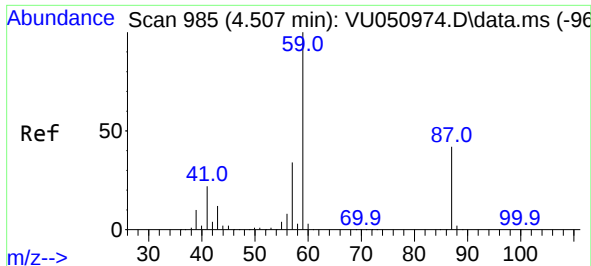
Tgt Ion: 73 Resp: 1138829
Ion Ratio Lower Upper
73 100
43 17.3 15.0 22.6



#31
Isopropyl Ether
Concen: 38.916 ug/l
RT: 3.986 min Scan# 823
Delta R.T. -0.013 min
Lab File: VU053475.D
Acq: 29 Mar 2023 19:44

Tgt Ion: 45 Resp: 1230938
Ion Ratio Lower Upper
45 100
43 50.2 27.5 82.5

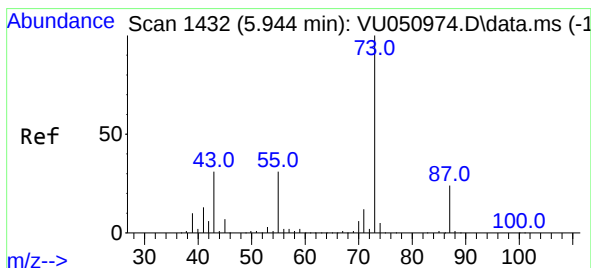
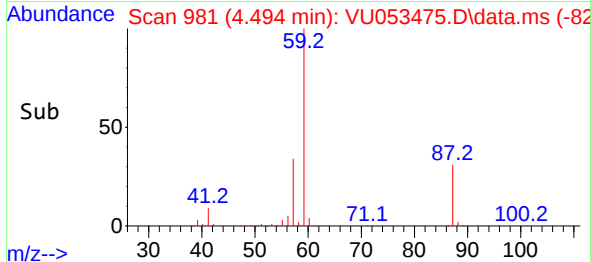
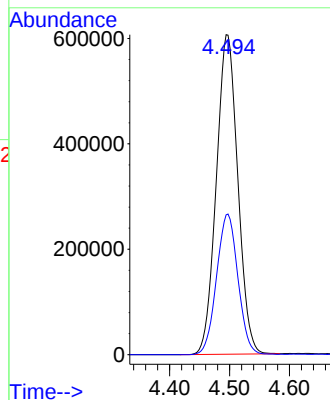
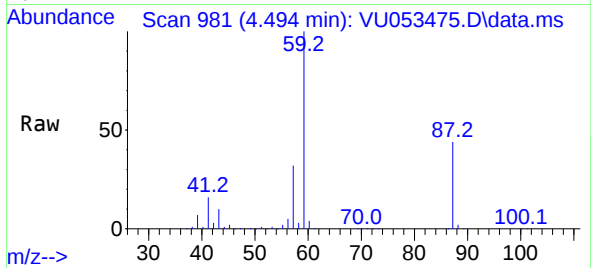




#32
Ethyl-t-butyl ether
Concen: 46.277 ug/l
RT: 4.494 min Scan# 91
Delta R.T. -0.013 min
Lab File: VU053475.D
Acq: 29 Mar 2023 19:44

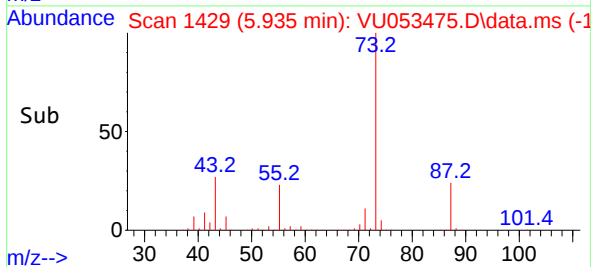
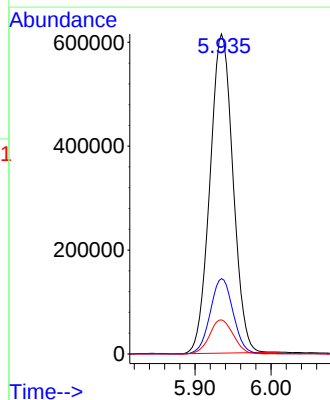
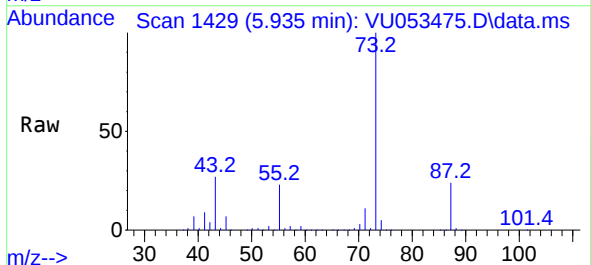
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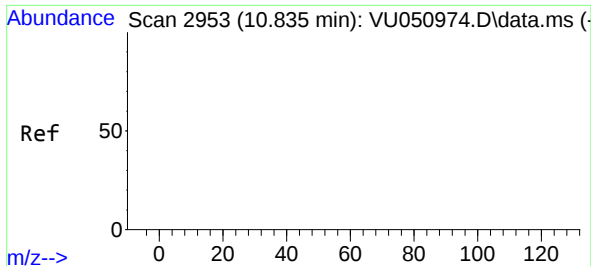
Tgt Ion: 59 Resp: 1503622
Ion Ratio Lower Upper
59 100
87 43.7 33.5 50.3



#33
Tert-Amyl methyl ether
Concen: 44.708 ug/l
RT: 5.935 min Scan# 1429
Delta R.T. -0.010 min
Lab File: VU053475.D
Acq: 29 Mar 2023 19:44

Tgt Ion: 73 Resp: 1291636
Ion Ratio Lower Upper
73 100
87 23.4 18.6 28.0
71 11.0 9.9 14.9





#46

t-1,4-Dichloro-2-butene

Concen: 2.040 ug/l

RT: 10.906 min Scan# 2953

Delta R.T. 0.071 min

Lab File: VU053475.D

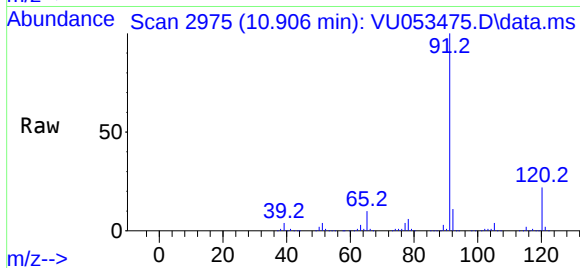
Acq: 29 Mar 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

PT-TURB-WS



Tgt Ion: 75 Resp: 5847

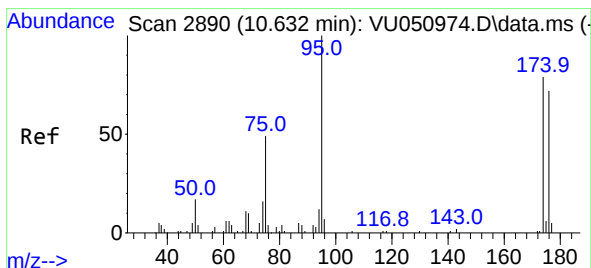
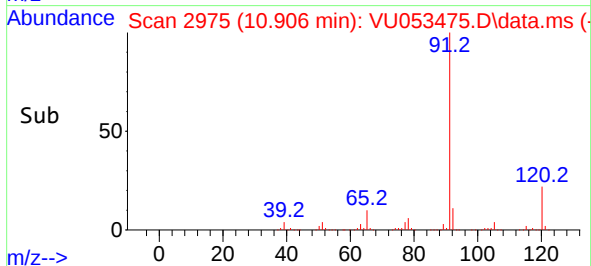
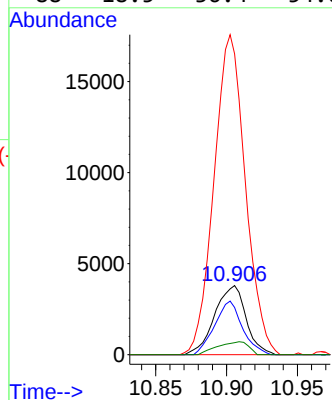
Ion Ratio Lower Upper

75 100

53 68.6 73.3 109.9#

89 463.1 48.2 72.4#

88 18.5 36.4 54.6#



#57

4-Bromofluorobenzene

Concen: 0.797 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.000 min

Lab File: VU053475.D

Acq: 29 Mar 2023 19:44

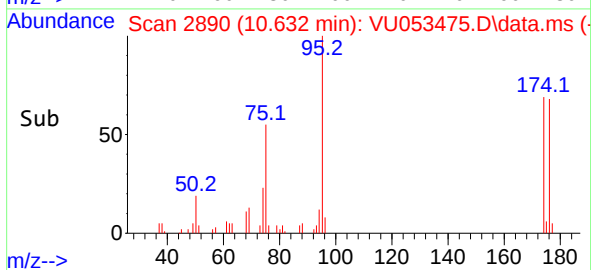
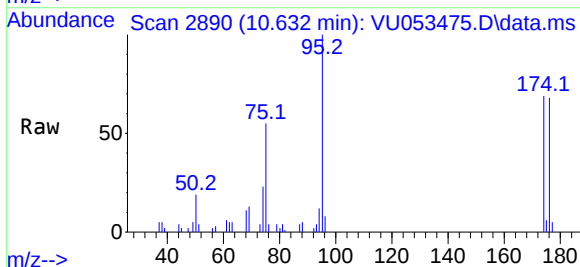
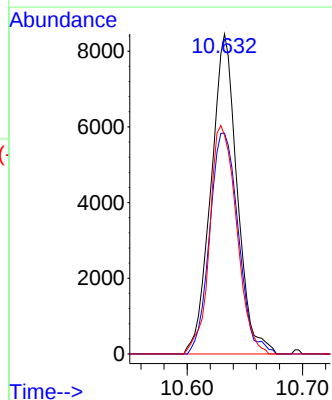
Tgt Ion: 95 Resp: 13287

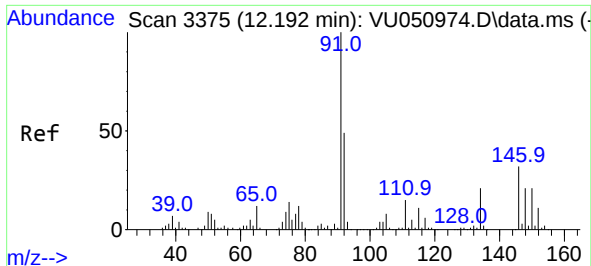
Ion Ratio Lower Upper

95 100

174 75.5 63.3 94.9

176 73.5 59.3 88.9

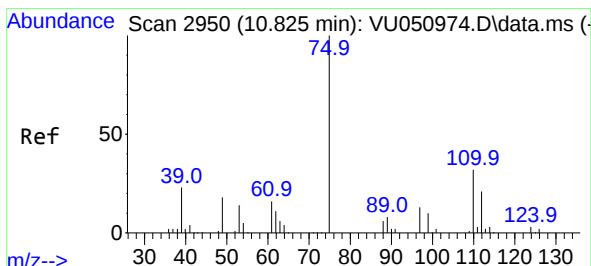
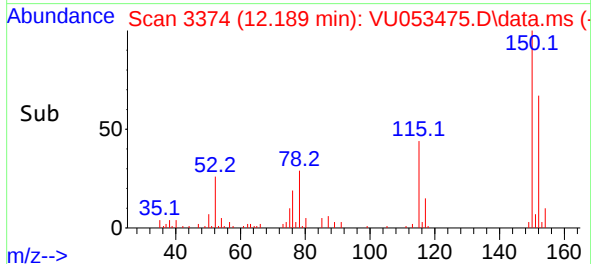
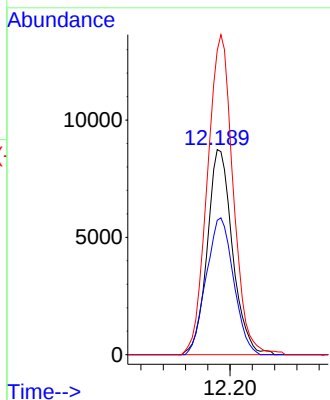
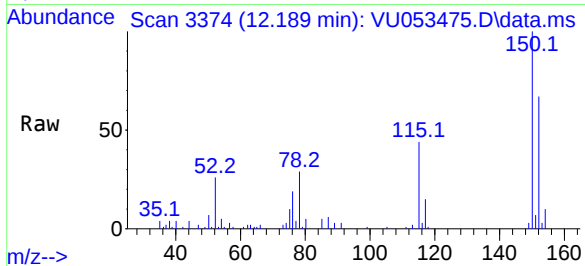




#68
1,2-Dichlorobenzene-d4
Concen: 0.822 ug/l
RT: 12.189 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU053475.D
Acq: 29 Mar 2023 19:44

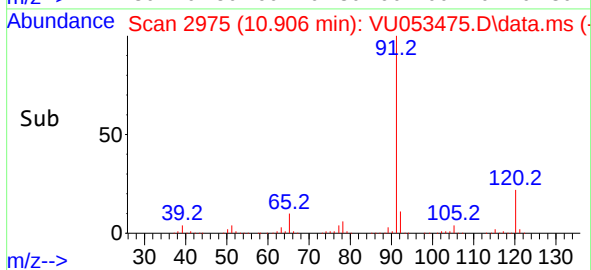
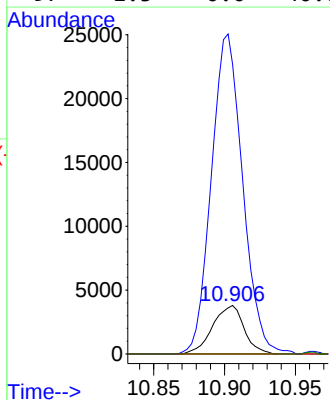
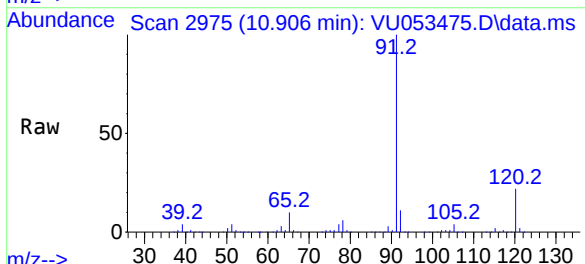
Instrument :
MSVOA_U
ClientSampleId :
PT-TURB-WS

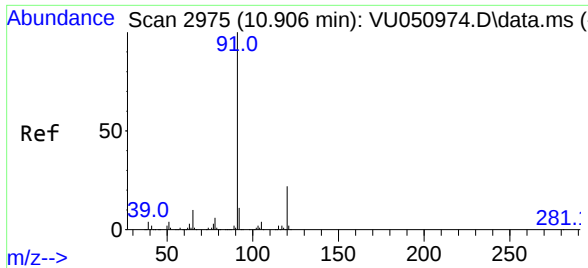
Tgt Ion:152 Resp: 13740
Ion Ratio Lower Upper
152 100
115 72.3 0.0 308.8
150 159.3 0.0 635.0



#71
1,2,3-Trichloropropane
Concen: 0.698 ug/l
RT: 10.906 min Scan# 2975
Delta R.T. 0.081 min
Lab File: VU053475.D
Acq: 29 Mar 2023 19:44

Tgt Ion: 75 Resp: 5847
Ion Ratio Lower Upper
75 100
77 658.8 0.0 116.4#
110 0.0 0.0 74.6
97 1.3 0.0 40.0





#73
 n-propylbenzene
 Concen: 13.690 ug/l
 RT: 10.902 min Scan# 2974
 Delta R.T. -0.004 min
 Lab File: VU053475.D
 Acq: 29 Mar 2023 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-TURB-WS

Tgt Ion:120 Resp: 218410
 Ion Ratio Lower Upper
 120 100
 91 459.3 369.8 554.6

