

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU043023\
 Data File : VU053988.D
 Acq On : 29 Apr 2023 16:04
 Operator : JC/MD
 Sample : VU0429MBL02
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK081

Quant Time: May 01 02:19:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 01 02:19:21 2023
 Response via : Initial Calibration

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

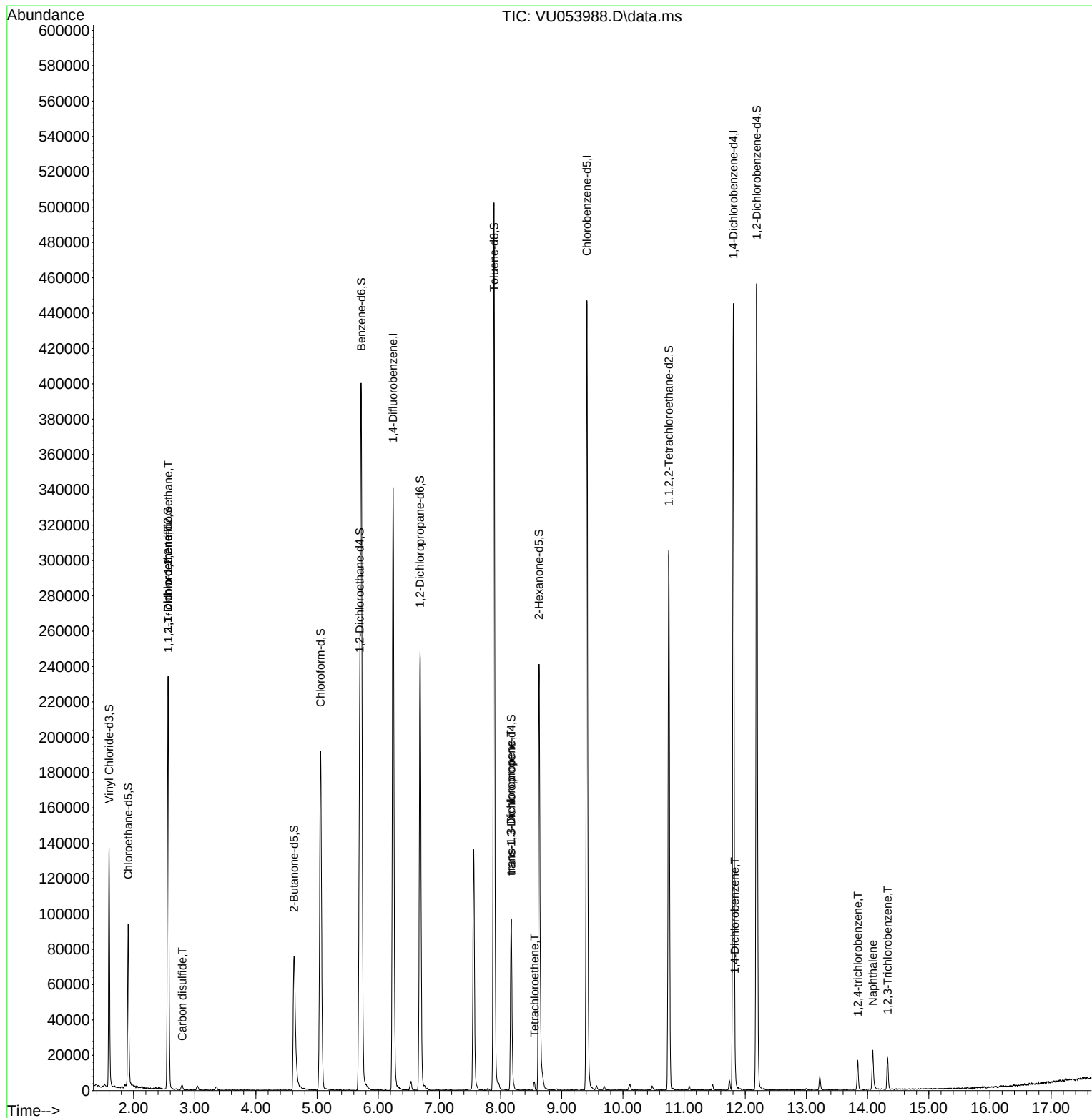
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	278878	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	252652	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	120721	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	103280	48.967	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.940%		
7) Chloroethane-d5	1.912	69	67787	48.961	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.920%		
11) 1,1-Dichloroethene-d2	2.565	63	142931	38.207	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.420%		
21) 2-Butanone-d5	4.623	46	124801	103.746	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.750%		
24) Chloroform-d	5.057	84	183747	47.434	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.860%		
26) 1,2-Dichloroethane-d4	5.697	65	120807	48.571	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.140%		
32) Benzene-d6	5.723	84	372348	50.068	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.140%		
36) 1,2-Dichloropropane-d6	6.684	67	119836	51.043	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.080%		
41) Toluene-d8	7.893	98	331146	49.320	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.640%		
43) trans-1,3-Dichloroprop...	8.176	79	58167	50.064	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	100.120%		
47) 2-Hexanone-d5	8.629	63	89241	106.126	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	106.130%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	152968	49.465	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.920%		
66) 1,2-Dichlorobenzene-d4	12.189	152	123048	52.176	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.360%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1544	0.827	ug/L #	25
12) 1,1-Dichloroethene	2.565	96	1063	0.657	ug/L #	1
14) Carbon disulfide	2.797	76	3805	1.060	ug/L #	93
44) trans-1,3-Dichloropropene	8.173	75	2981	0.964	ug/L	86
46) Tetrachloroethene	8.555	164	1176	0.759	ug/L #	76
65) 1,4-Dichlorobenzene	11.832	146	3449	0.909	ug/L	94
70) 1,2,4-trichlorobenzene	13.841	180	5366	2.192	ug/L	97
71) Naphthalene	14.086	128	20671	2.911	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	5929	2.434	ug/L	97

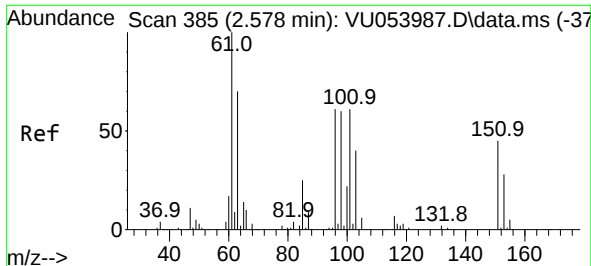
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 01 02:19:21 2023
Response via : Initial Calibration





#10

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

Concen: 0.827 ug/L

RT: 2.568 min Scan# 385

Delta R.T. -0.010 min

Lab File: VU053988.D

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VBLK081

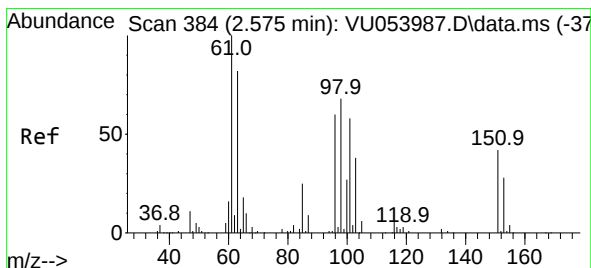
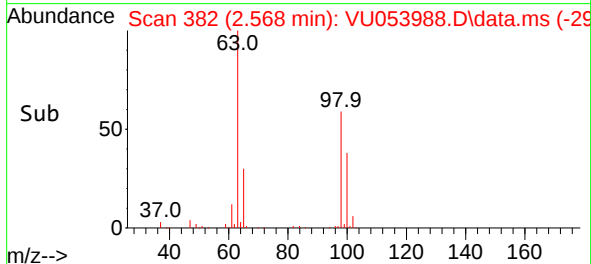
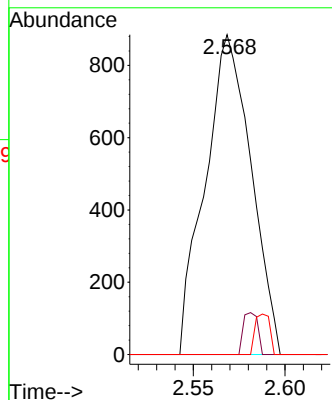
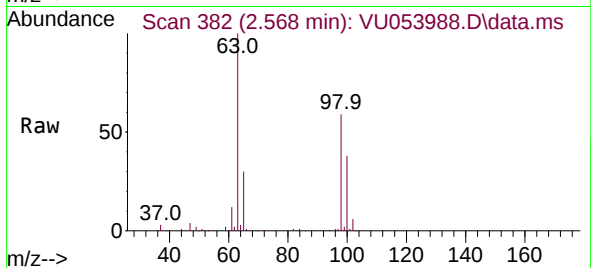
Tgt Ion:101 Resp: 1544

Ion Ratio Lower Upper

101 100

85 4.1 34.3 51.5#

151 4.0 60.3 90.5#



#12

1,1-Dichloroethene

Concen: 0.657 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.010 min

Lab File: VU053988.D

Acq: 29 Apr 2023 16:04

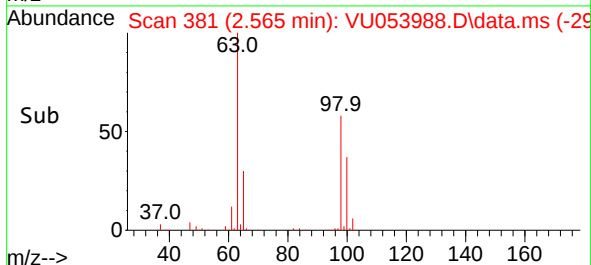
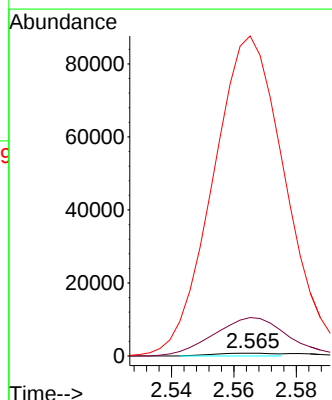
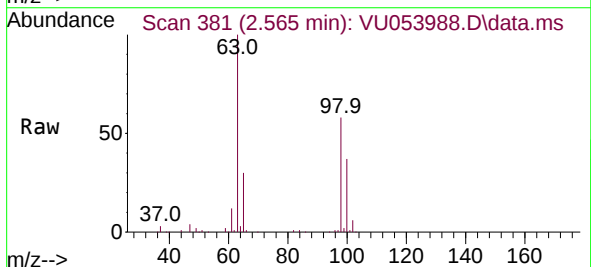
Tgt Ion: 96 Resp: 1063

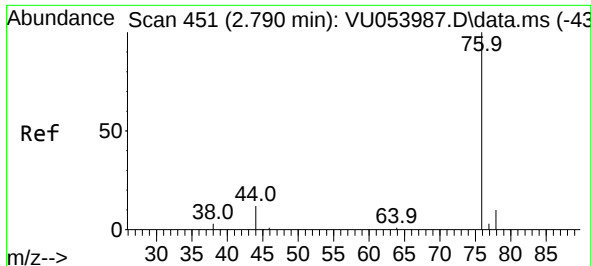
Ion Ratio Lower Upper

96 100

61 1377.0 118.3 219.7#

63 11474.3 92.3 171.5#





#14

Carbon disulfide

Concen: 1.060 ug/L

RT: 2.797 min Scan# 4

Delta R.T. 0.006 min

Lab File: VU053988.D

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ClientSampleId :

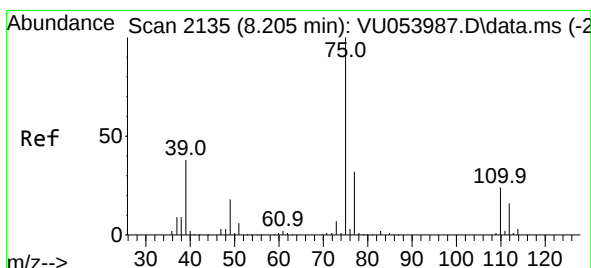
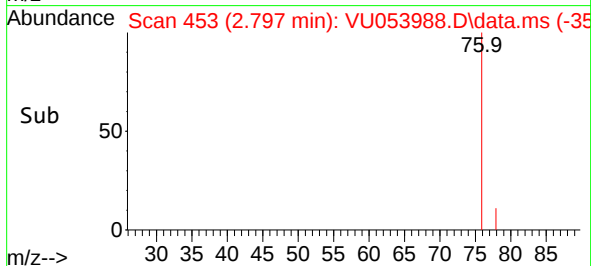
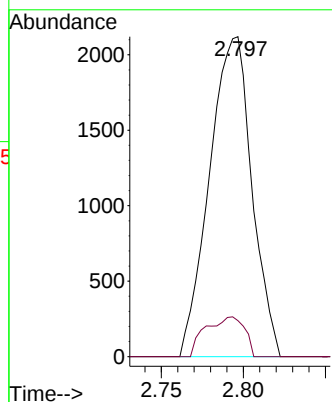
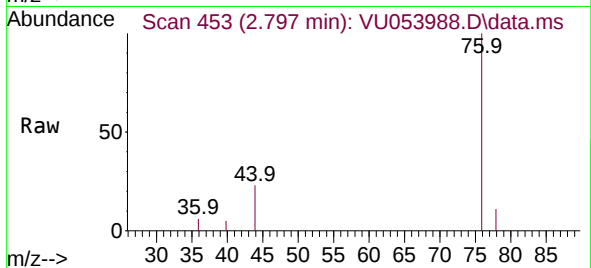
VBLK081

Tgt Ion: 76 Resp: 3805

Ion Ratio Lower Upper

76 100

78 11.2 7.0 10.4#



#44

trans-1,3-Dichloropropene

Concen: 0.964 ug/L

RT: 8.173 min Scan# 2125

Delta R.T. -0.032 min

Lab File: VU053988.D

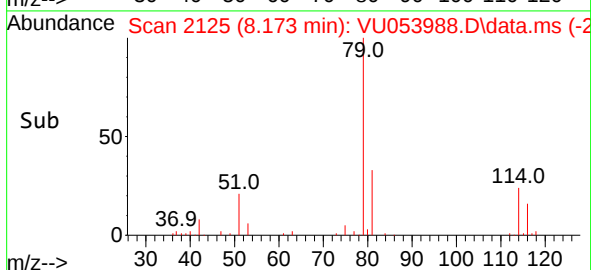
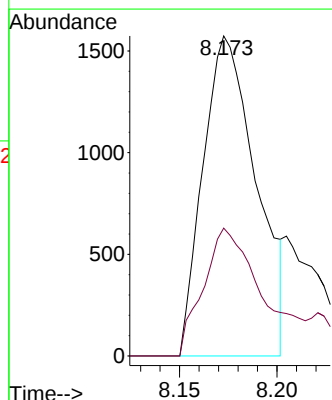
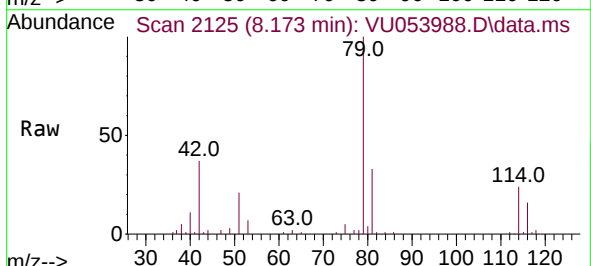
Acq: 29 Apr 2023 16:04

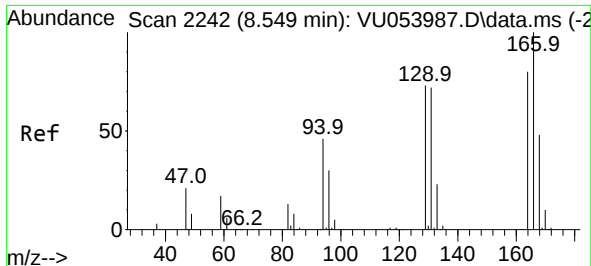
Tgt Ion: 75 Resp: 2981

Ion Ratio Lower Upper

75 100

77 40.0 22.5 41.7

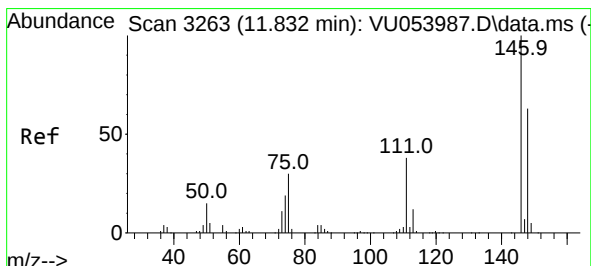
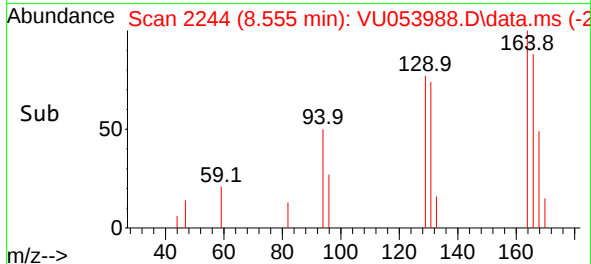
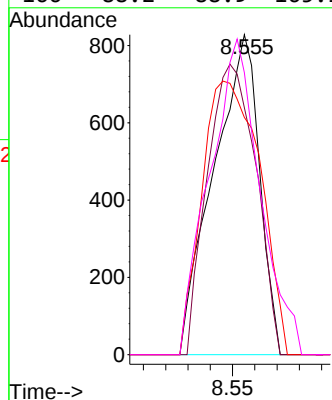
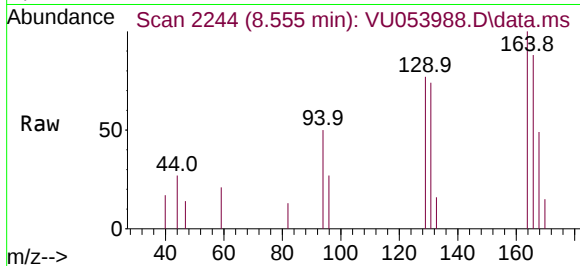




#46
Tetrachloroethene
Concen: 0.759 ug/L
RT: 8.555 min Scan# 211
Delta R.T. 0.006 min
Lab File: VU053988.D
Acq: 29 Apr 2023 16:04

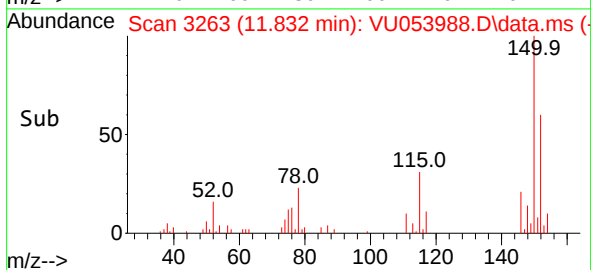
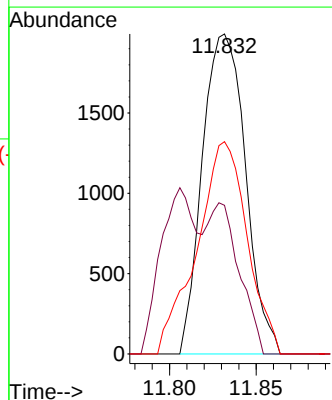
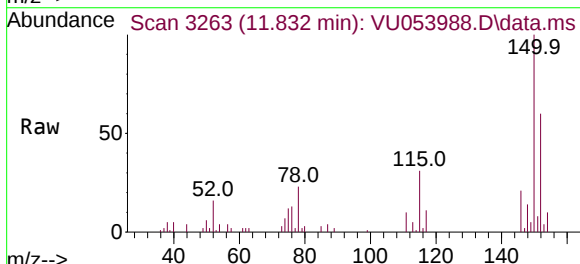
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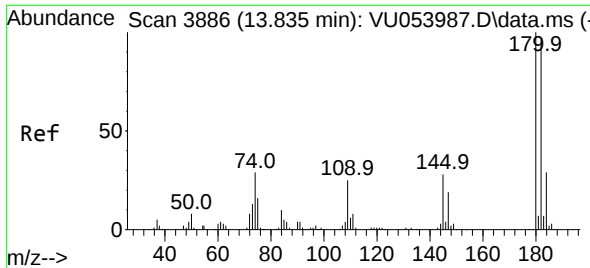
Tgt Ion:164 Resp: 1176
Ion Ratio Lower Upper
164 100
129 77.2 65.6 121.8
131 74.2 63.8 118.4
166 88.2 88.9 165.1#



#65
1,4-Dichlorobenzene
Concen: 0.909 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053988.D
Acq: 29 Apr 2023 16:04

Tgt Ion:146 Resp: 3449
Ion Ratio Lower Upper
146 100
111 46.4 27.9 51.7
148 66.4 44.9 83.3

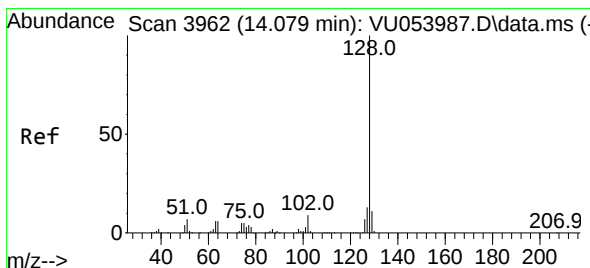
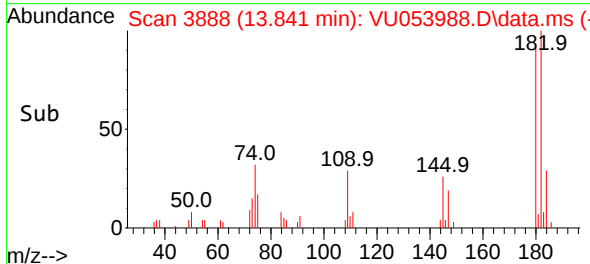
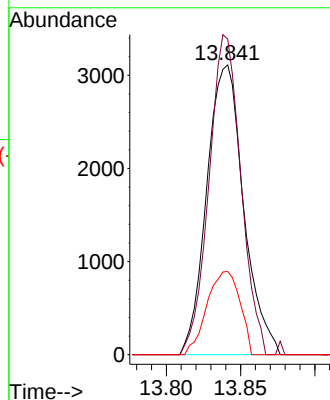
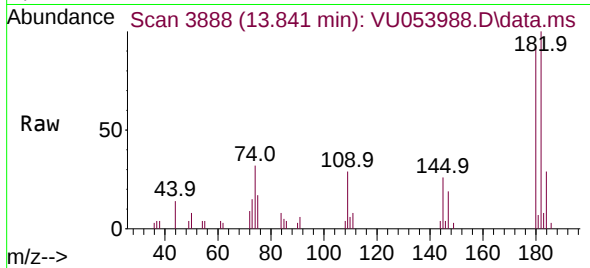




#70
1,2,4-trichlorobenzene
Concen: 2.192 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.006 min
Lab File: VU053988.D
Acq: 29 Apr 2023 16:04

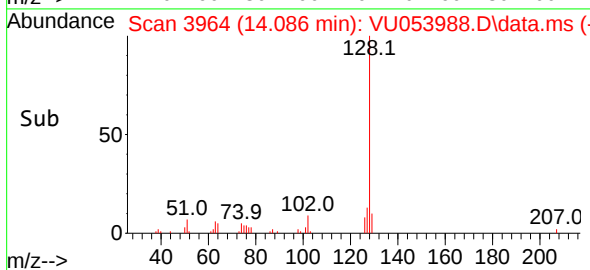
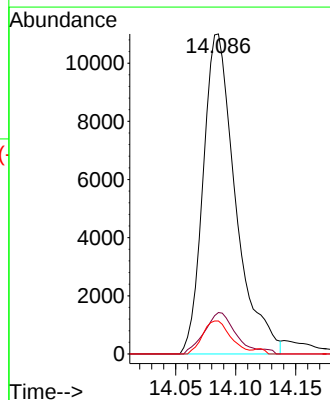
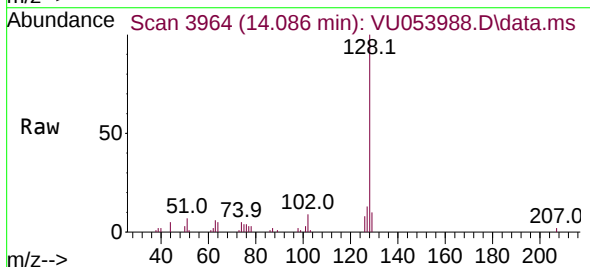
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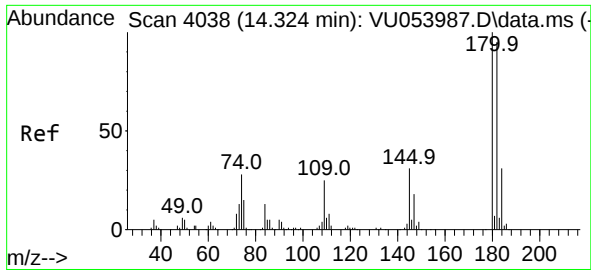
Tgt Ion:180 Resp: 5366
Ion Ratio Lower Upper
180 100
182 95.7 77.4 116.2
145 25.6 23.8 35.8



#71
Naphthalene
Concen: 2.911 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU053988.D
Acq: 29 Apr 2023 16:04

Tgt Ion:128 Resp: 20671
Ion Ratio Lower Upper
128 100
127 12.4 10.0 15.0
129 8.9 8.4 12.6





#72

1,2,3-Trichlorobenzene

Concen: 2.434 ug/L

RT: 14.330 min Scan# 40

Delta R.T. 0.006 min

Lab File: VU053988.D

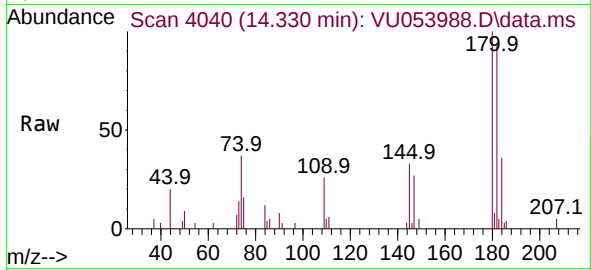
Acq: 29 Apr 2023 16:04

Instrument :

MSVOA_U

ClientSampleId :

VBLK081



Tgt Ion:180 Resp: 5929

Ion Ratio Lower Upper

180 100

182 99.5 76.6 114.8

145 32.1 24.9 37.3

