

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033123\
 Data File : VU053499.D
 Acq On : 31 Mar 2023 18:11
 Operator : JC/MD
 Sample : 02121-15ME
 Misc : 3.42g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C1188ME

Quant Time: Apr 01 05:08:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

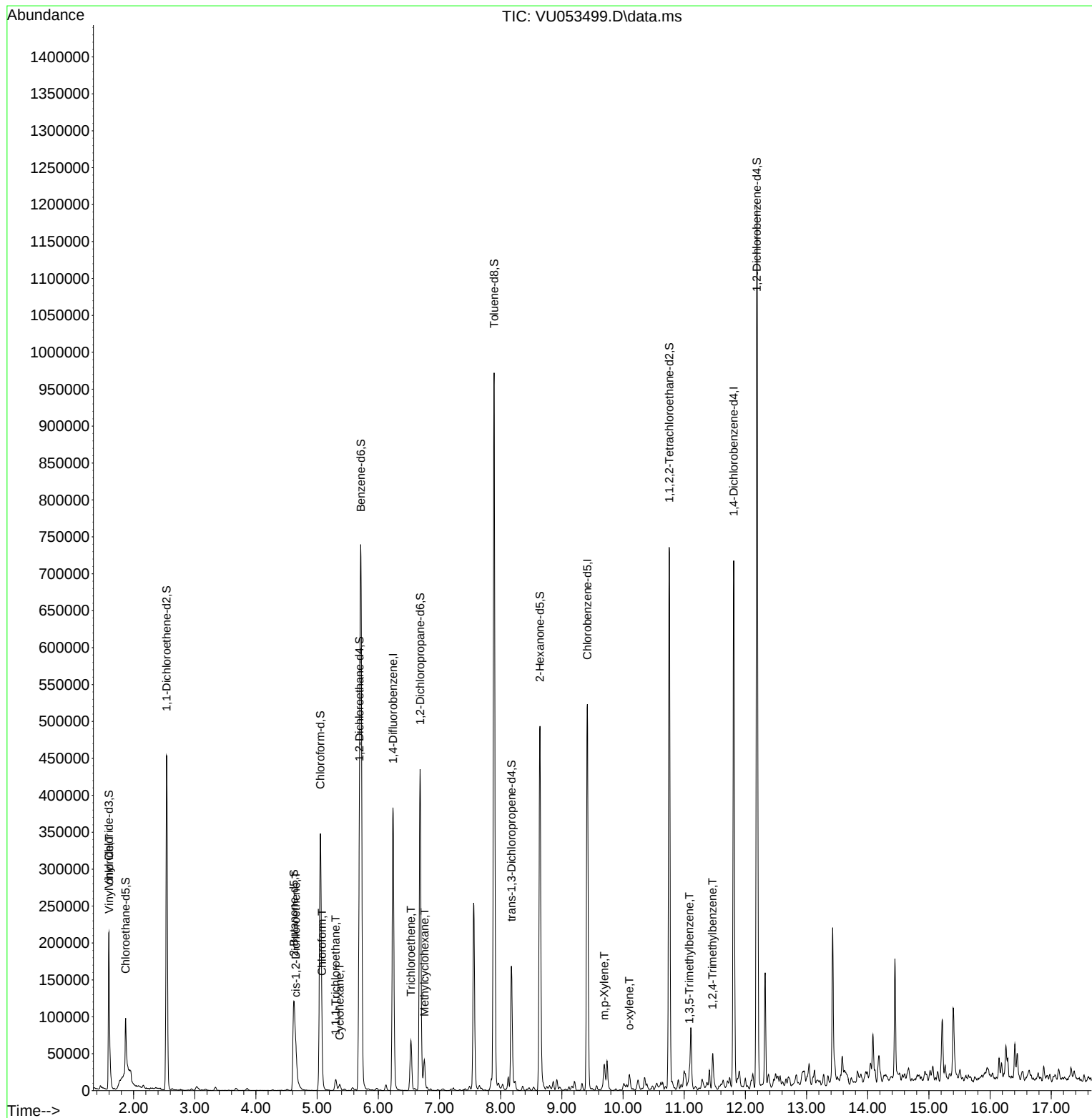
Internal Standards						
1) 1,4-Difluorobenzene	6.240	114	350751	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	339639	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	198903	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	187852	68.781	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	137.560%#	
7) Chloroethane-d5	1.871	69	55065	26.149	ug/L	-0.04
Spiked Amount 50.000	Range 70	- 130	Recovery	=	52.300%#	
11) 1,1-Dichloroethene-d2	2.539	63	247702	58.590	ug/L	-0.03
Spiked Amount 50.000	Range 60	- 125	Recovery	=	117.180%	
21) 2-Butanone-d5	4.620	46	214990	173.863	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	173.860%#	
24) Chloroform-d	5.054	84	321559	71.191	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	142.380%#	
26) 1,2-Dichloroethane-d4	5.691	65	210468	78.856	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	157.720%#	
32) Benzene-d6	5.716	84	696101	75.929	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	151.860%#	
36) 1,2-Dichloropropane-d6	6.684	67	213737	76.275	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	152.560%#	
41) Toluene-d8	7.893	98	695517	76.330	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	152.660%#	
43) trans-1,3-Dichloroprop...	8.176	79	109593	75.766	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	151.540%#	
47) 2-Hexanone-d5	8.642	63	190446	199.139	ug/L	0.02
Spiked Amount 100.000	Range 45	- 130	Recovery	=	199.140%#	
56) 1,1,2,2-Tetrachloroeth...	10.755	84	341411	86.444	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	172.880%#	
66) 1,2-Dichlorobenzene-d4	12.189	152	325534	78.408	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	156.820%#	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.601	62	5228	1.928	ug/L	# 25
20) cis-1,2-Dichloroethene	4.652	96	12094	4.841	ug/L	92
25) Chloroform	5.080	83	15281	3.718	ug/L	96
29) Cyclohexane	5.369	56	3762	1.151	ug/L	93
30) 1,1,1-Trichloroethane	5.305	97	11201	2.993	ug/L	98
34) Trichloroethene	6.533	95	20506	7.662	ug/L	91
35) Methylcyclohexane	6.755	83	18320	4.657	ug/L	97
53) m,p-Xylene	9.694	106	9617	2.203	ug/L	96
54) o-xylene	10.102	106	5233	1.212	ug/L	91
62) 1,3,5-Trimethylbenzene	11.086	105	12837	1.313	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	23883	2.467	ug/L	99

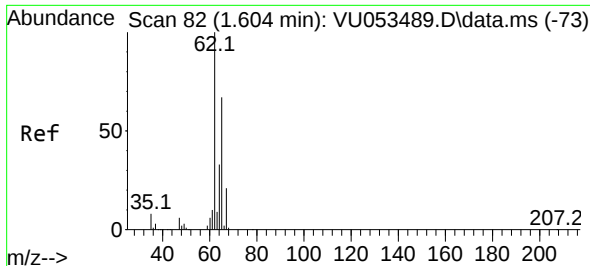
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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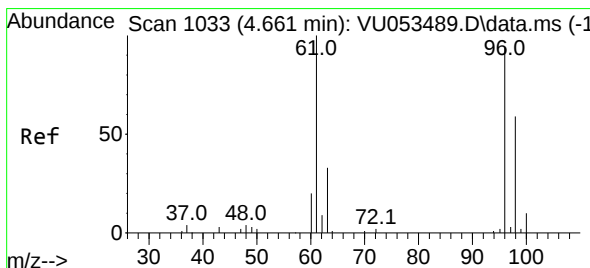
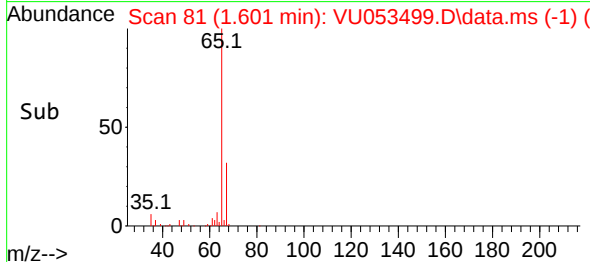
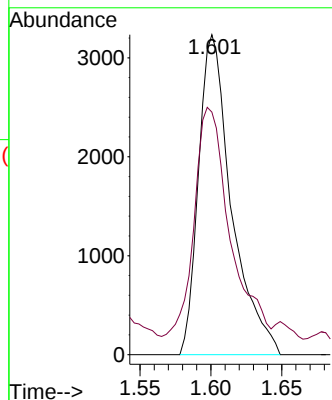
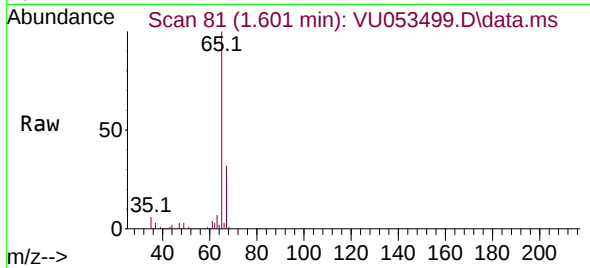




#5
 Vinyl chloride
 Concen: 1.928 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU053499.D
 Acq: 31 Mar 2023 18:11

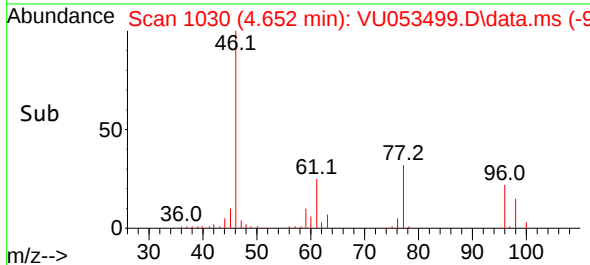
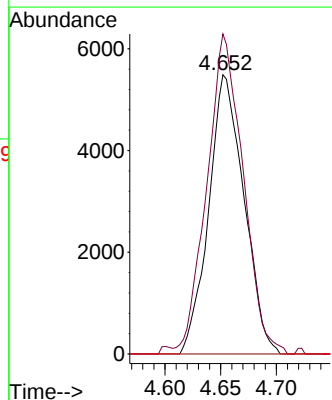
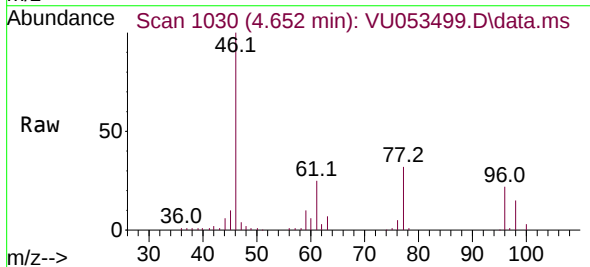
Instrument :
 MSVOA_U
 ClientSampleId :
 C1188ME

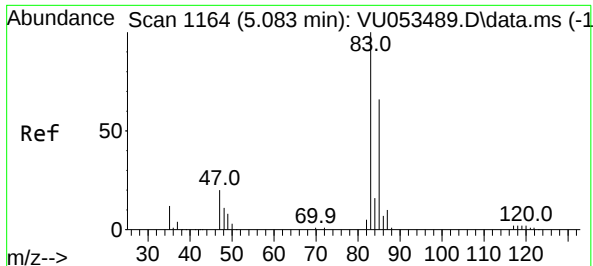
Tgt Ion: 62 Resp: 5228
 Ion Ratio Lower Upper
 62 100
 64 75.8 23.2 43.0#



#20
 cis-1,2-Dichloroethene
 Concen: 4.841 ug/L
 RT: 4.652 min Scan# 1030
 Delta R.T. -0.009 min
 Lab File: VU053499.D
 Acq: 31 Mar 2023 18:11

Tgt Ion: 96 Resp: 12094
 Ion Ratio Lower Upper
 96 100
 61 114.6 74.7 138.7
 68 0.0 0.0 0.0





#25

Chloroform

Concen: 3.718 ug/L

RT: 5.080 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053499.D

Acq: 31 Mar 2023 18:11

Instrument :

MSVOA_U

ClientSampleId :

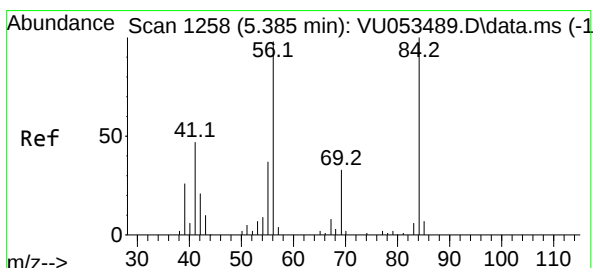
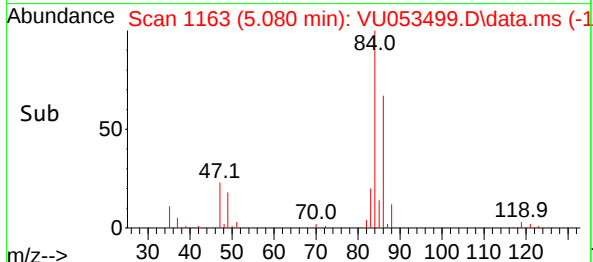
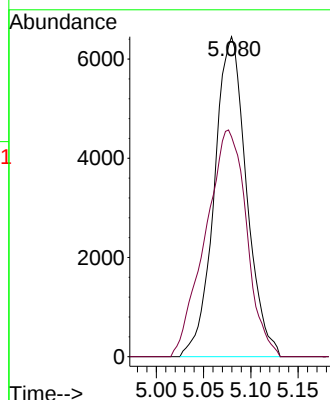
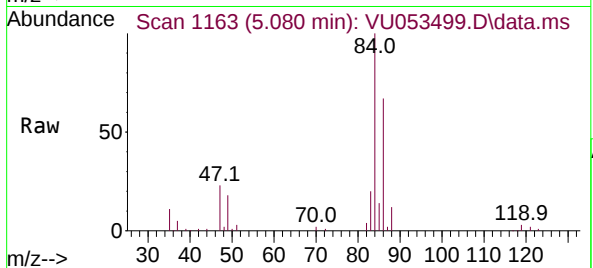
C1188ME

Tgt Ion: 83 Resp: 15281

Ion Ratio Lower Upper

83 100

85 68.7 46.1 85.5



#29

Cyclohexane

Concen: 1.151 ug/L

RT: 5.369 min Scan# 1253

Delta R.T. -0.016 min

Lab File: VU053499.D

Acq: 31 Mar 2023 18:11

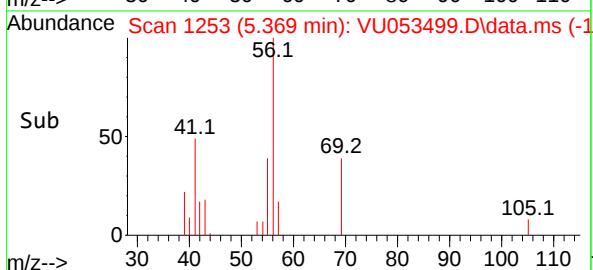
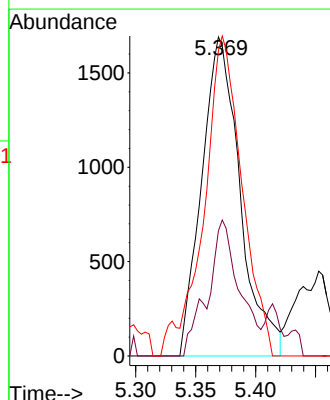
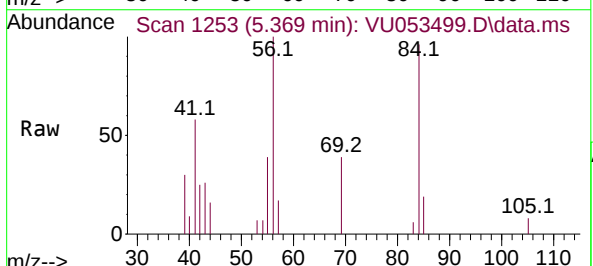
Tgt Ion: 56 Resp: 3762

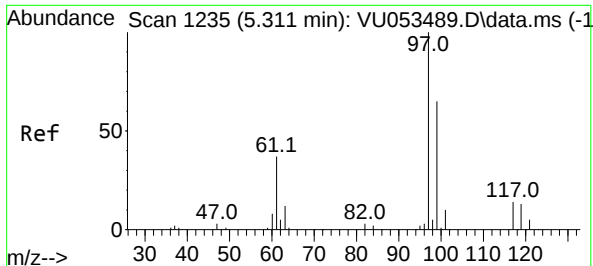
Ion Ratio Lower Upper

56 100

69 28.9 27.3 40.9

84 95.5 81.3 121.9





#30

1,1,1-Trichloroethane

Concen: 2.993 ug/L

RT: 5.305 min Scan# 11

Delta R.T. -0.006 min

Lab File: VU053499.D

Acq: 31 Mar 2023 18:11

Instrument :

MSVOA_U

ClientSampleId :

C1188ME

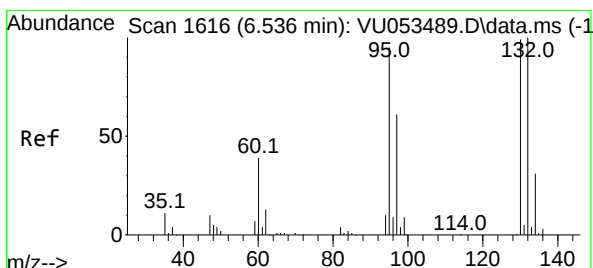
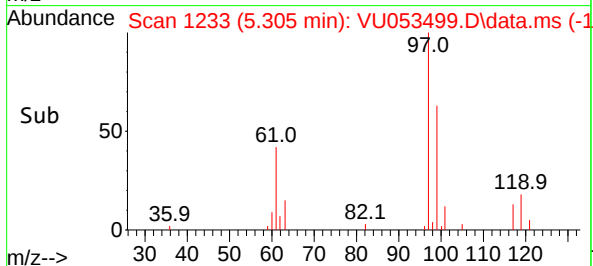
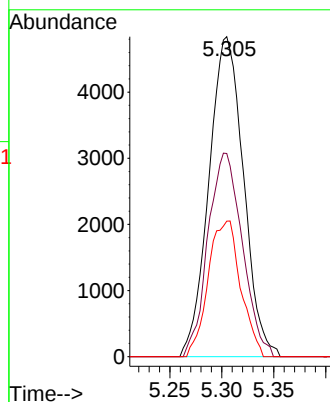
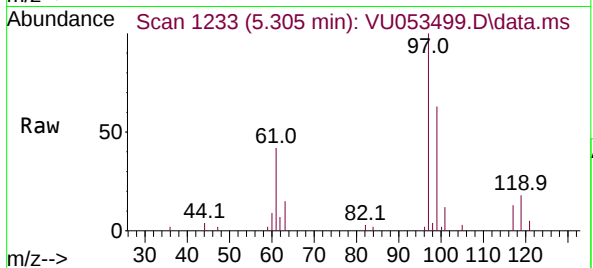
Tgt Ion: 97 Resp: 11201

Ion Ratio Lower Upper

97 100

99 63.1 51.6 77.4

61 39.7 31.0 46.4



#34

Trichloroethene

Concen: 7.662 ug/L

RT: 6.533 min Scan# 1615

Delta R.T. -0.003 min

Lab File: VU053499.D

Acq: 31 Mar 2023 18:11

Tgt Ion: 95 Resp: 20506

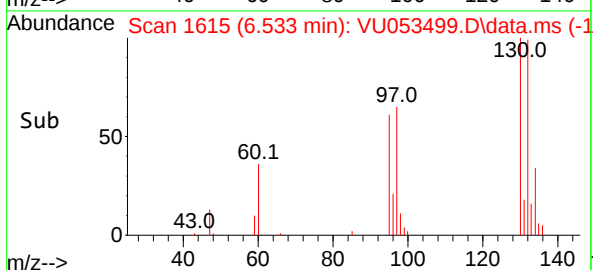
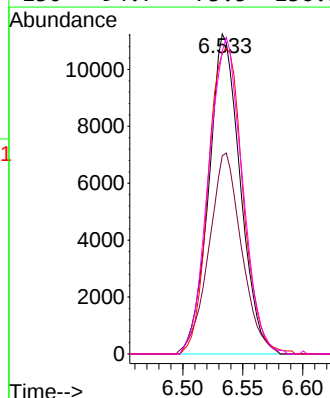
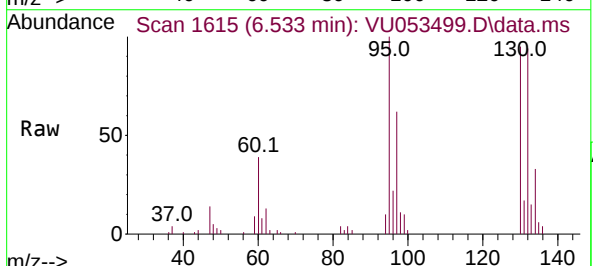
Ion Ratio Lower Upper

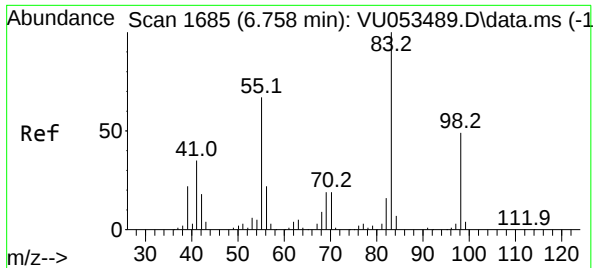
95 100

97 62.0 45.1 83.7

132 94.0 74.1 137.5

130 94.7 73.5 136.5

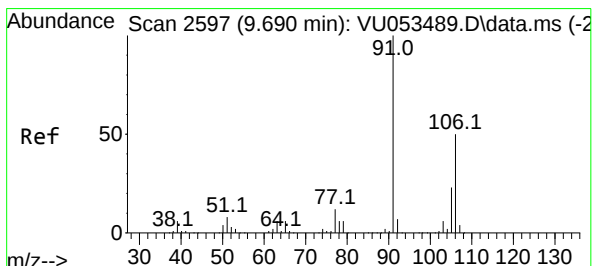
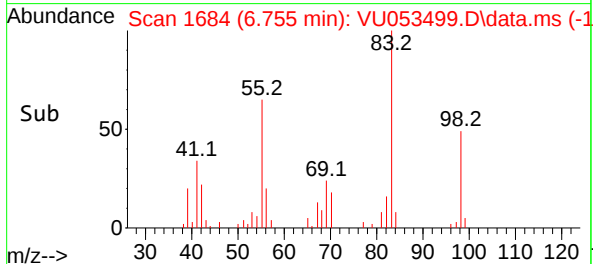
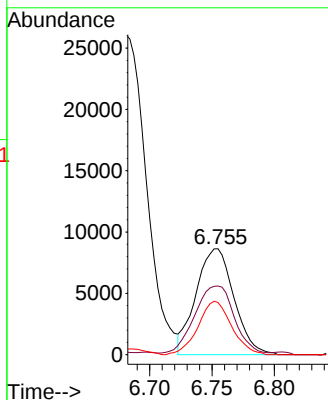
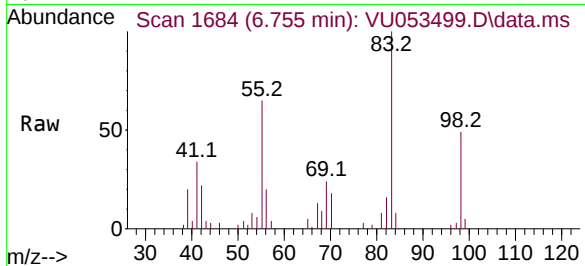




#35
Methylcyclohexane
Concen: 4.657 ug/L
RT: 6.755 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU053499.D
Acq: 31 Mar 2023 18:11

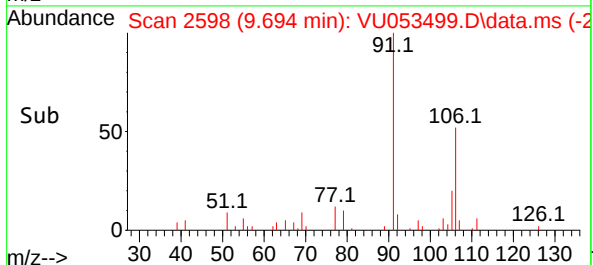
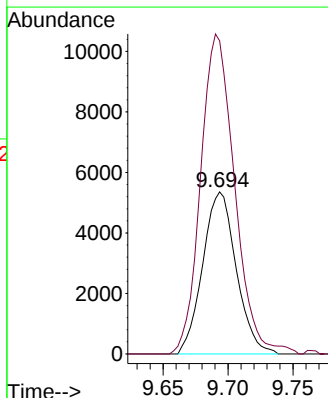
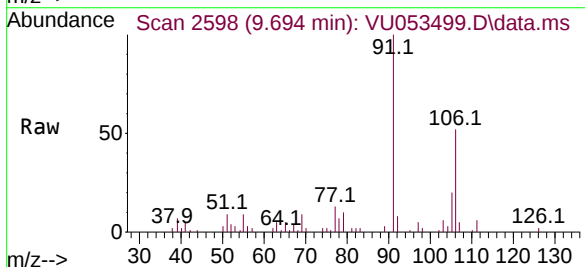
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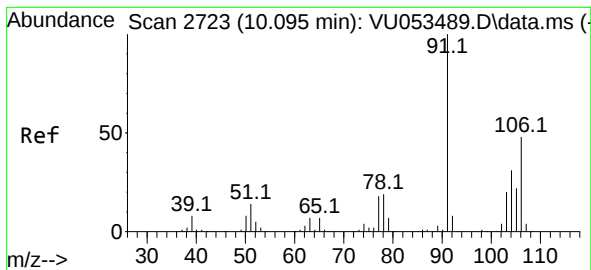
Tgt Ion: 83 Resp: 18320
Ion Ratio Lower Upper
83 100
55 66.5 53.0 79.6
98 44.6 39.0 58.6



#53
m,p-Xylene
Concen: 2.203 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU053499.D
Acq: 31 Mar 2023 18:11

Tgt Ion: 106 Resp: 9617
Ion Ratio Lower Upper
106 100
91 193.2 140.0 260.0





#54

o-xylene

Concen: 1.212 ug/L

RT: 10.102 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU053499.D

Acq: 31 Mar 2023 18:11

Instrument :

MSVOA_U

ClientSampleId :

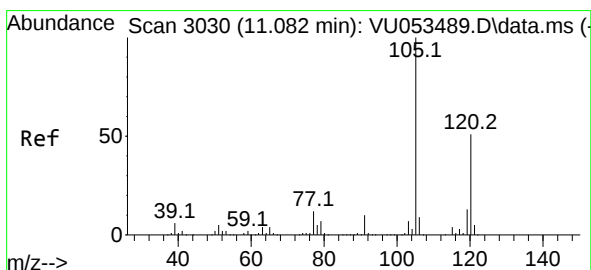
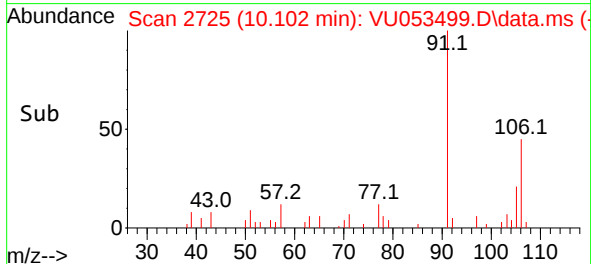
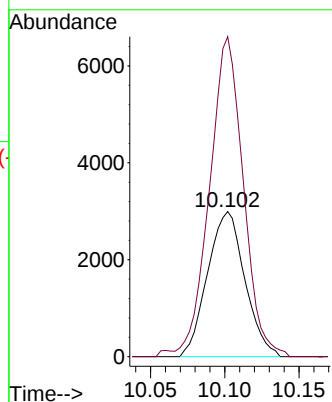
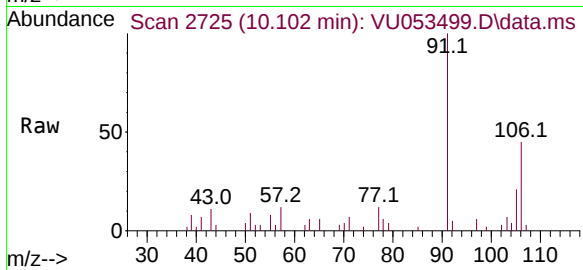
C1188ME

Tgt Ion:106 Resp: 5233

Ion Ratio Lower Upper

106 100

91 220.4 144.9 269.1



#62

1,3,5-Trimethylbenzene

Concen: 1.313 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.003 min

Lab File: VU053499.D

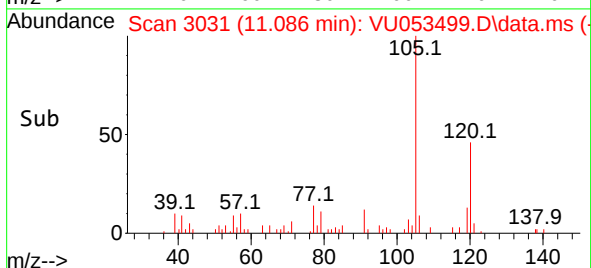
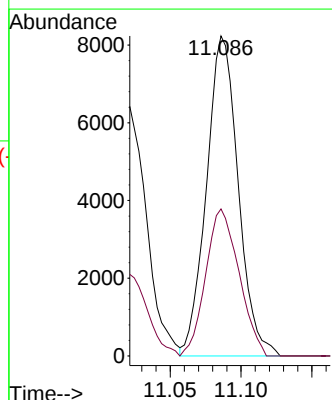
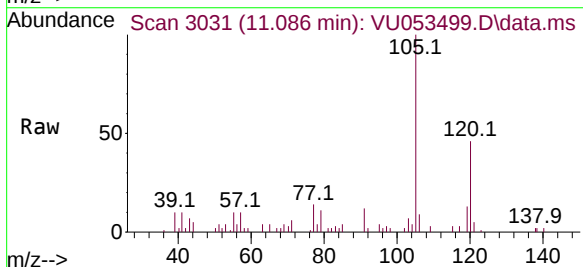
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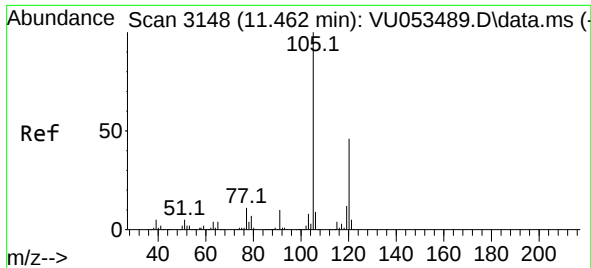
Tgt Ion:105 Resp: 12837

Ion Ratio Lower Upper

105 100

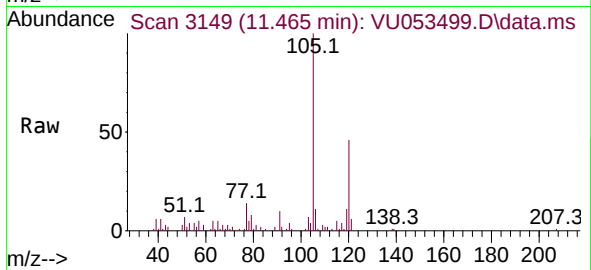
120 48.0 39.5 59.3





#63
 1,2,4-Trimethylbenzene
 Concen: 2.467 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.003 min
 Lab File: VU053499.D
 Acq: 31 Mar 2023 18:11

Instrument :
 MSVOA_U
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Tgt Ion:105 Resp: 23883
 Ion Ratio Lower Upper
 105 100
 120 45.9 37.5 56.3

