

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033123\
 Data File : VU053506.D
 Acq On : 31 Mar 2023 20:55
 Operator : JC/MD
 Sample : 02121-15ME
 Misc : 3.42g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C1188ME

Quant Time: Apr 01 05:10:16 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)

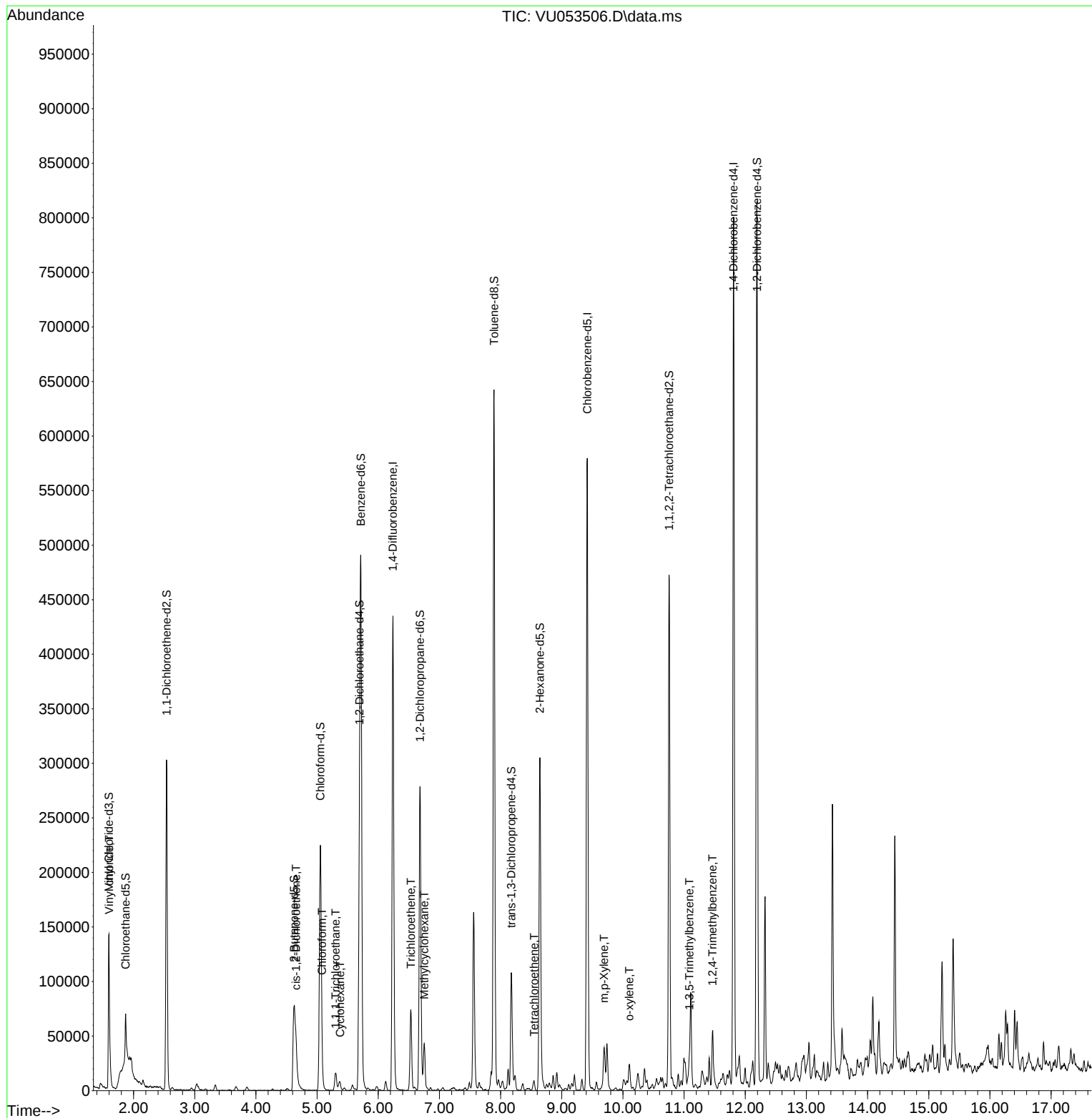
Internal Standards						
1) 1,4-Difluorobenzene	6.240	114	396106	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	378262	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	224301	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	123273	39.968	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	79.940%		
7) Chloroethane-d5	1.871	69	35050	14.739	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery =	29.480%#		
11) 1,1-Dichloroethene-d2	2.539	63	164907	34.540	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.080%		
21) 2-Butanone-d5	4.623	46	136115	97.472	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.470%		
24) Chloroform-d	5.054	84	211292	41.422	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.840%		
26) 1,2-Dichloroethane-d4	5.694	65	139501	46.282	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.560%		
32) Benzene-d6	5.716	84	460018	45.054	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.100%		
36) 1,2-Dichloropropane-d6	6.684	67	137411	44.030	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.060%		
41) Toluene-d8	7.893	98	460675	45.395	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.780%		
43) trans-1,3-Dichloroprop...	8.176	79	69987	43.445	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.880%		
47) 2-Hexanone-d5	8.642	63	120184	112.838	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery =	112.840%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	215572	49.009	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.020%		
66) 1,2-Dichlorobenzene-d4	12.192	152	221925	47.400	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.800%		
Target Compounds						Qvalue
5) Vinyl chloride	1.600	62	5443	1.778	ug/L #	45
20) cis-1,2-Dichloroethene	4.655	96	14258	5.053	ug/L	97
25) Chloroform	5.079	83	9759	2.103	ug/L	97
29) Cyclohexane	5.375	56	4210	1.156	ug/L #	83
30) 1,1,1-Trichloroethane	5.304	97	12108	2.905	ug/L #	78
34) Trichloroethene	6.536	95	22907	7.685	ug/L	95
35) Methylcyclohexane	6.751	83	19065	4.351	ug/L	94
46) Tetrachloroethene	8.549	164	1912	0.773	ug/L	89
53) m,p-Xylene	9.693	106	10637	2.188	ug/L	92
54) o-xylene	10.102	106	5383	1.120	ug/L	87
62) 1,3,5-Trimethylbenzene	11.086	105	14011	1.271	ug/L	95
63) 1,2,4-Trimethylbenzene	11.465	105	27158	2.487	ug/L	96

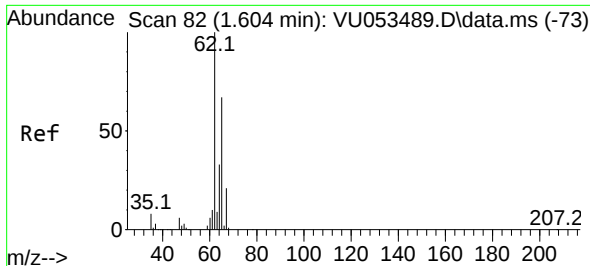
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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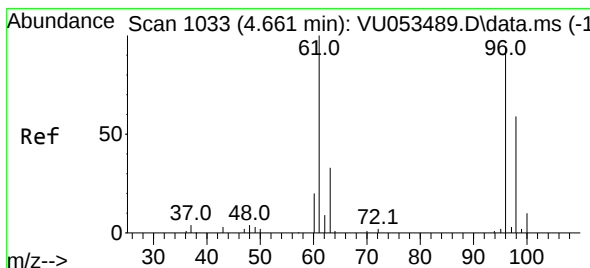
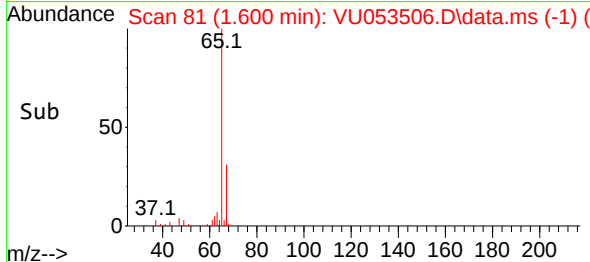
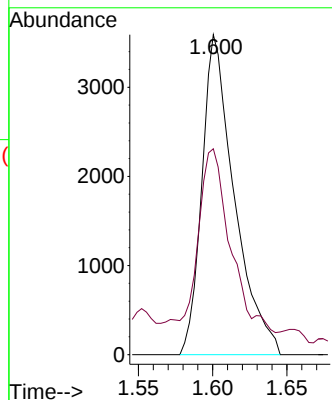
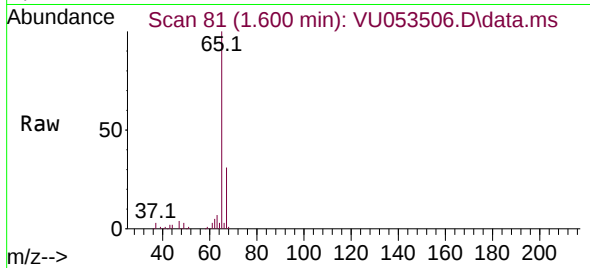




#5
 Vinyl chloride
 Concen: 1.778 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU053506.D
 Acq: 31 Mar 2023 20:55

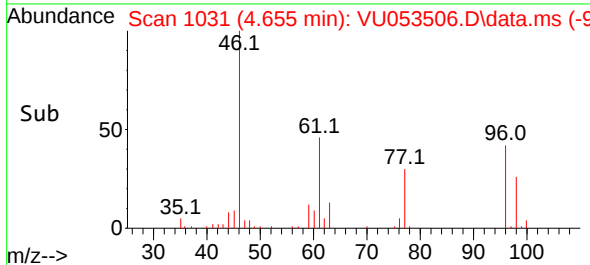
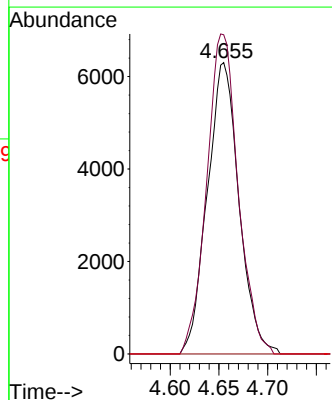
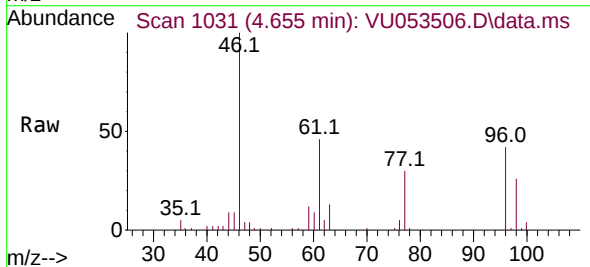
Instrument :
 MSVOA_U
 ClientSampleId :
 C1188ME

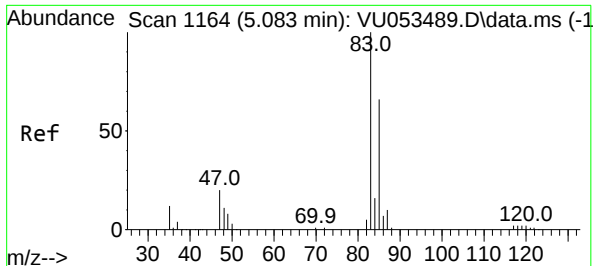
Tgt Ion: 62 Resp: 5443
 Ion Ratio Lower Upper
 62 100
 64 64.4 23.2 43.0#



#20
 cis-1,2-Dichloroethene
 Concen: 5.053 ug/L
 RT: 4.655 min Scan# 1031
 Delta R.T. -0.006 min
 Lab File: VU053506.D
 Acq: 31 Mar 2023 20:55

Tgt Ion: 96 Resp: 14258
 Ion Ratio Lower Upper
 96 100
 61 109.6 74.7 138.7
 68 0.0 0.0 0.0





#25

Chloroform

Concen: 2.103 ug/L

RT: 5.079 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VU053506.D

Acq: 31 Mar 2023 20:55

Instrument :

MSVOA_U

ClientSampleId :

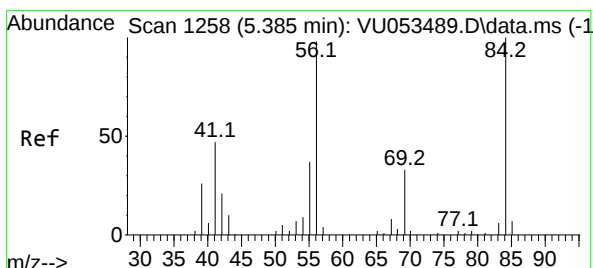
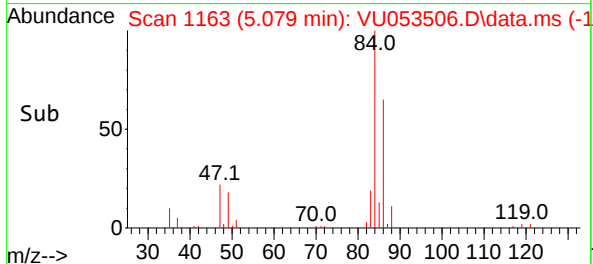
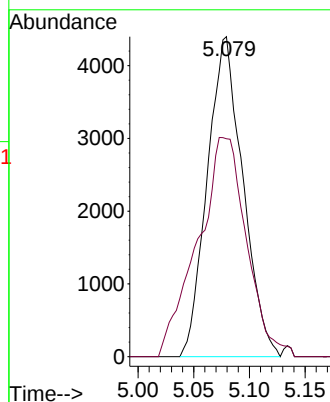
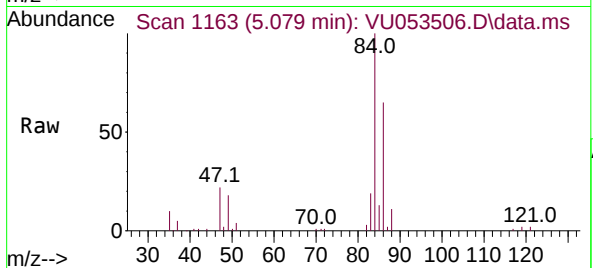
C1188ME

Tgt Ion: 83 Resp: 9759

Ion Ratio Lower Upper

83 100

85 68.1 46.1 85.5



#29

Cyclohexane

Concen: 1.156 ug/L

RT: 5.375 min Scan# 1255

Delta R.T. -0.010 min

Lab File: VU053506.D

Acq: 31 Mar 2023 20:55

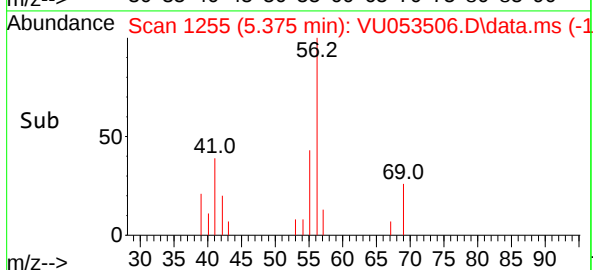
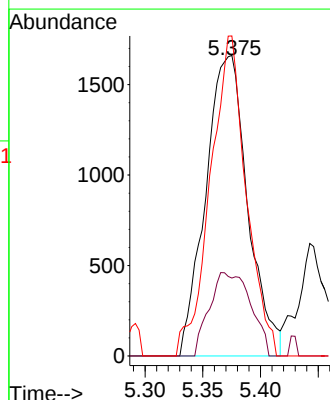
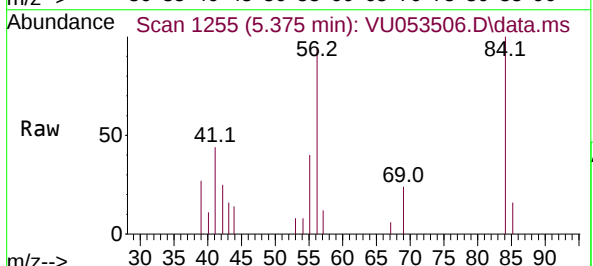
Tgt Ion: 56 Resp: 4210

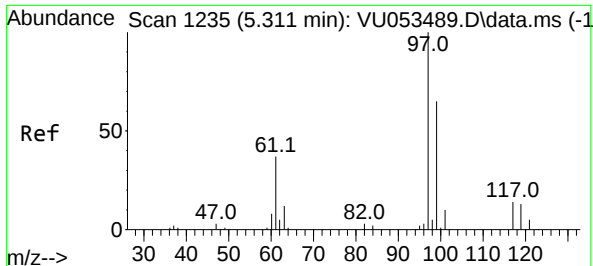
Ion Ratio Lower Upper

56 100

69 15.1 27.3 40.9

84 90.5 81.3 121.9





#30

1,1,1-Trichloroethane

Concen: 2.905 ug/L

RT: 5.304 min Scan# 11

Delta R.T. -0.006 min

Lab File: VU053506.D

Acq: 31 Mar 2023 20:55

Instrument :

MSVOA_U

ClientSampleId :

C1188ME

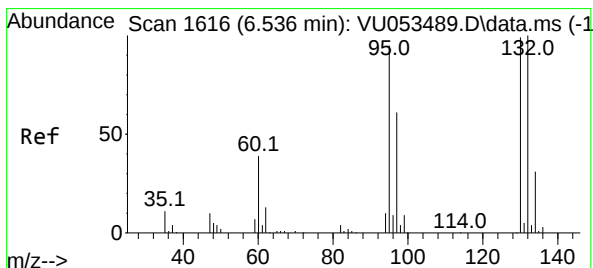
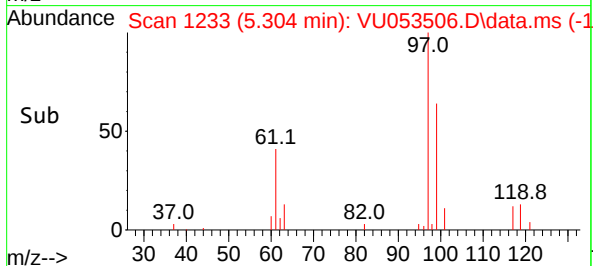
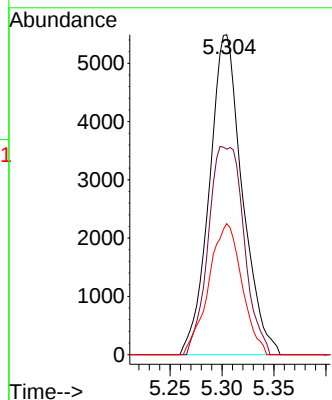
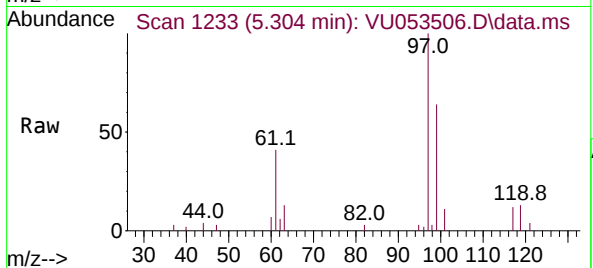
Tgt Ion: 97 Resp: 12108

Ion Ratio Lower Upper

97 100

99 38.3 51.6 77.4#

61 41.2 31.0 46.4



#34

Trichloroethene

Concen: 7.685 ug/L

RT: 6.536 min Scan# 1616

Delta R.T. -0.000 min

Lab File: VU053506.D

Acq: 31 Mar 2023 20:55

Tgt Ion: 95 Resp: 22907

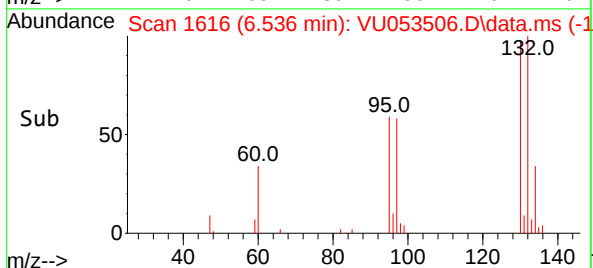
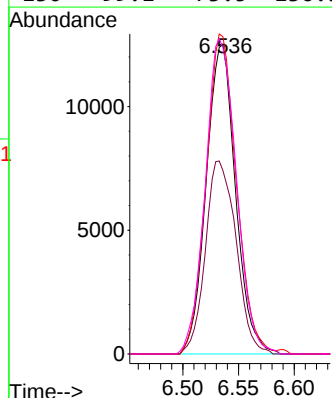
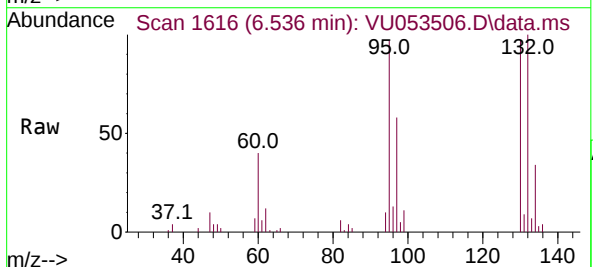
Ion Ratio Lower Upper

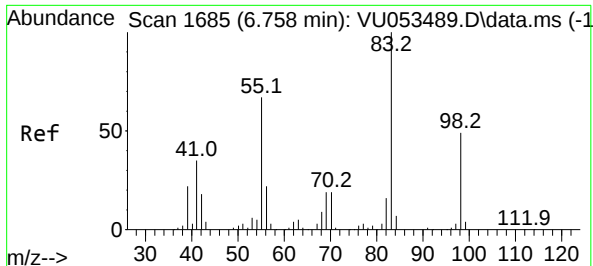
95 100

97 59.3 45.1 83.7

132 102.6 74.1 137.5

130 99.1 73.5 136.5

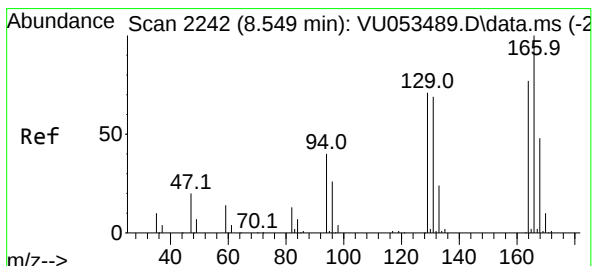
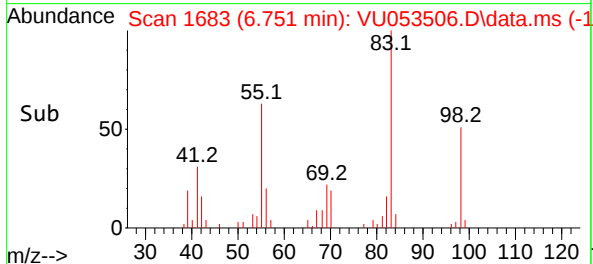
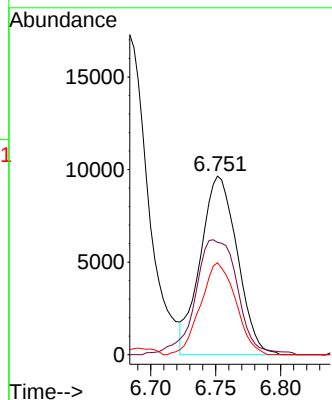
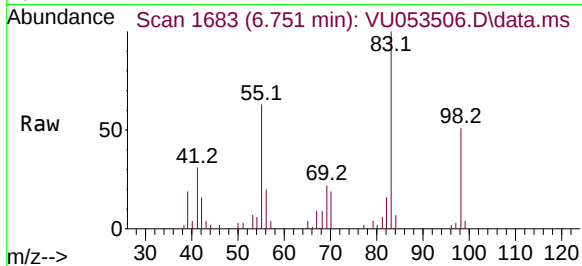




#35
Methylcyclohexane
Concen: 4.351 ug/L
RT: 6.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: VU053506.D
Acq: 31 Mar 2023 20:55

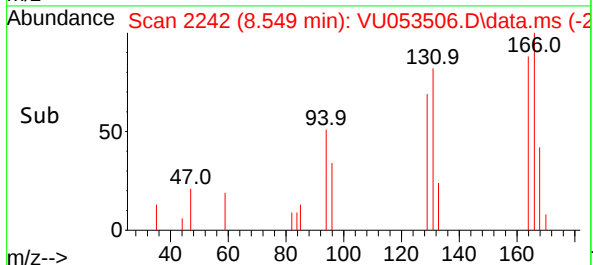
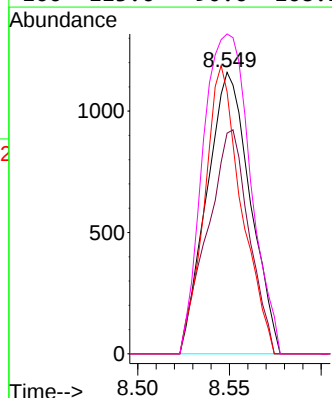
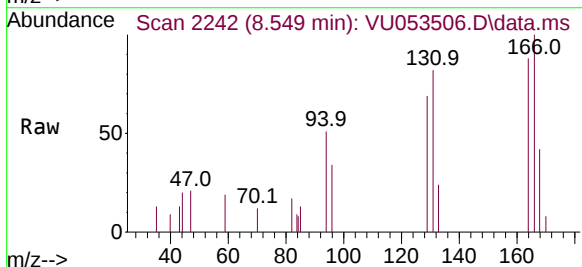
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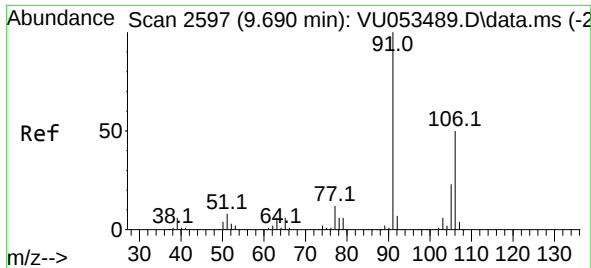
Tgt Ion: 83	Resp: 19065
Ion Ratio	Lower Upper
83 100	
55 74.1	53.0 79.6
98 48.9	39.0 58.6



#46
Tetrachloroethene
Concen: 0.773 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053506.D
Acq: 31 Mar 2023 20:55

Tgt Ion:164	Resp:	1912	
Ion	Ratio	Lower	Upper
164	100		
129	78.4	64.0	119.0
131	93.1	61.9	115.1
166	113.6	90.6	168.2

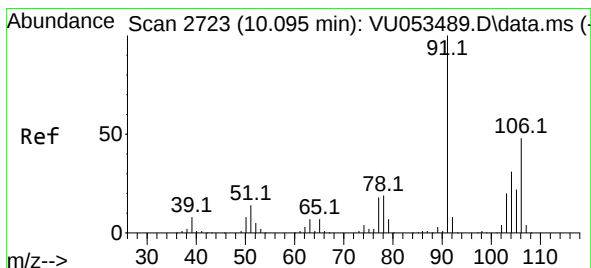
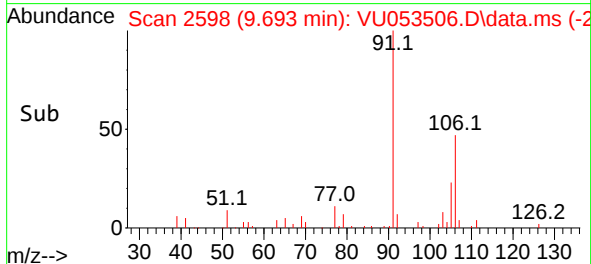
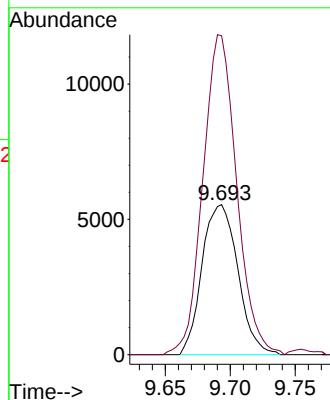
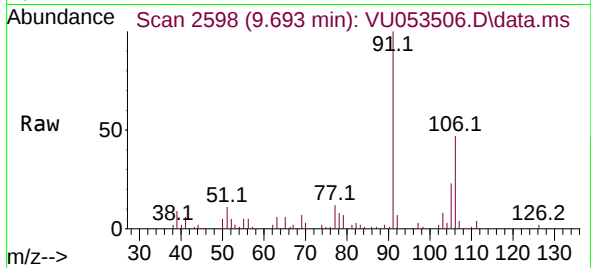




#53
m,p-Xylene
Concen: 2.188 ug/L
RT: 9.693 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053506.D
Acq: 31 Mar 2023 20:55

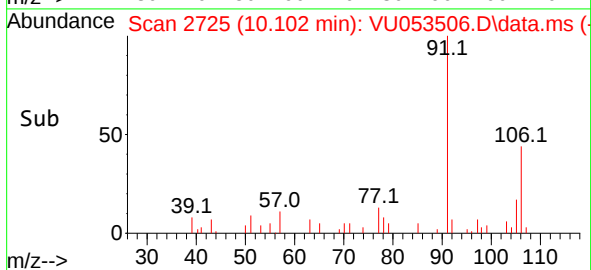
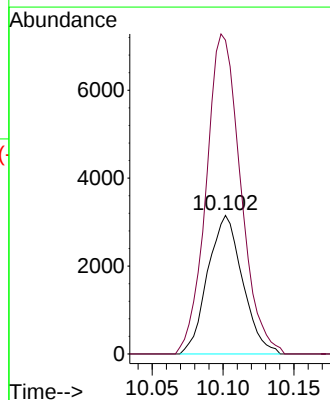
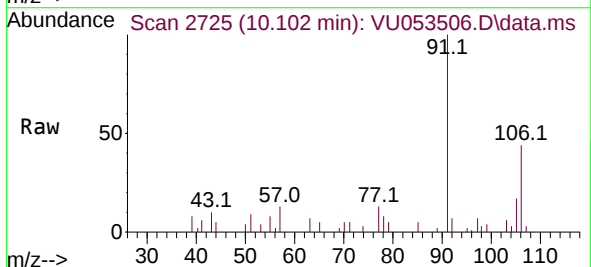
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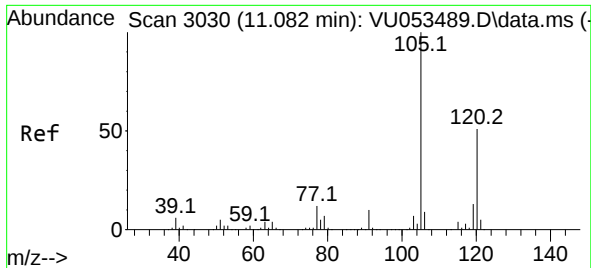
Tgt Ion:106 Resp: 10637
Ion Ratio Lower Upper
106 100
91 212.5 140.0 260.0



#54
o-xylene
Concen: 1.120 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.006 min
Lab File: VU053506.D
Acq: 31 Mar 2023 20:55

Tgt Ion:106 Resp: 5383
Ion Ratio Lower Upper
106 100
91 226.5 144.9 269.1

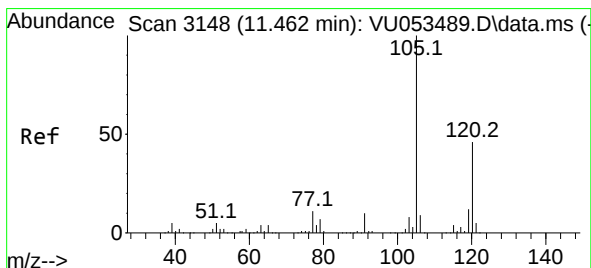
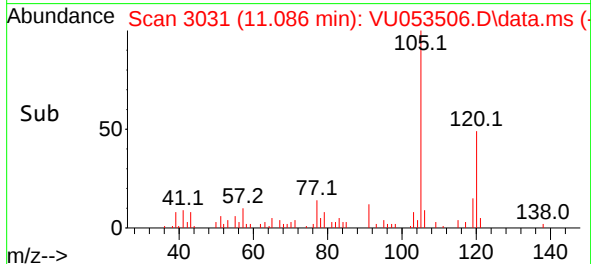
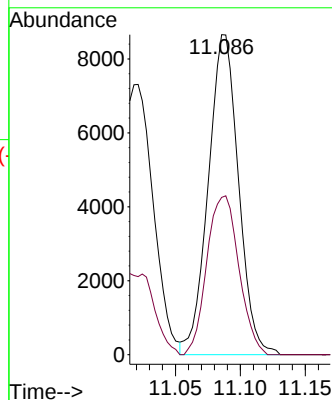
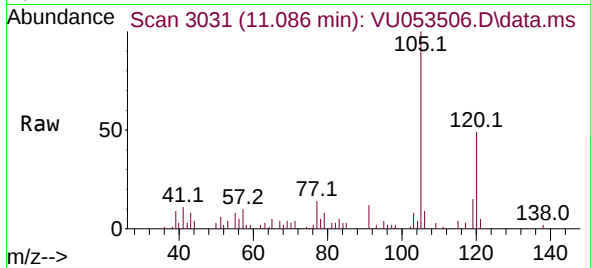




#62
 1,3,5-Trimethylbenzene
 Concen: 1.271 ug/L
 RT: 11.086 min Scan# 3030
 Delta R.T. 0.003 min
 Lab File: VU053506.D
 Acq: 31 Mar 2023 20:55

Instrument :
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Tgt Ion:105 Resp: 14011
 Ion Ratio Lower Upper
 105 100
 120 52.5 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 2.487 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.003 min
 Lab File: VU053506.D
 Acq: 31 Mar 2023 20:55

Tgt Ion:105 Resp: 27158
 Ion Ratio Lower Upper
 105 100
 120 44.0 37.5 56.3

