

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012723\
 Data File : VU052837.D
 Acq On : 27 Jan 2023 11:31
 Operator : JC/MD
 Sample : 01295-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COLC4

Quant Time: Jan 27 22:21:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 22:20:01 2023
 Response via : Initial Calibration

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

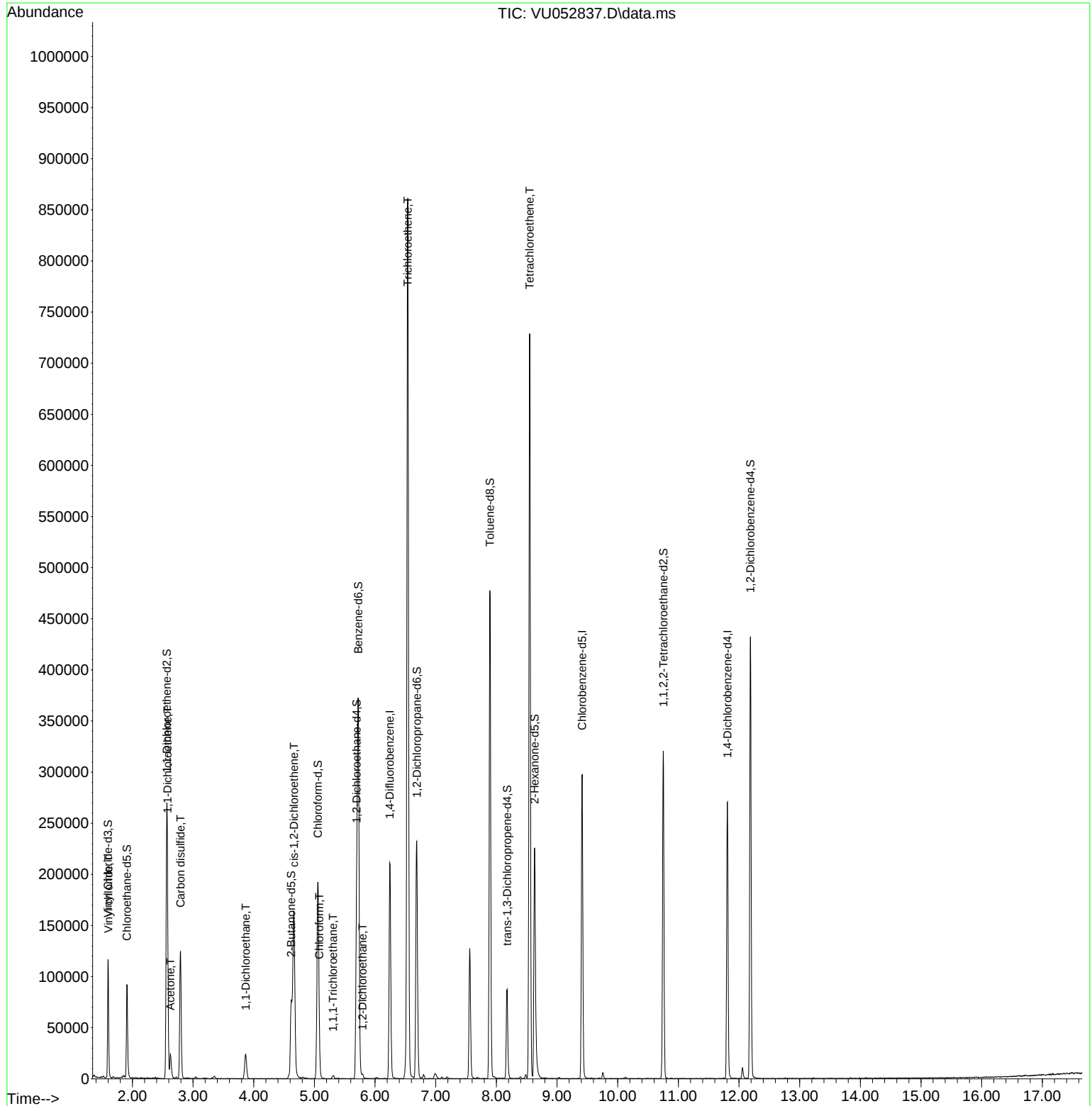
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	177314	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	170597	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	77636	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	80086	62.752	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 125.500%			
7) Chloroethane-d5	1.909	69	71193	67.701	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 135.400%#			
11) 1,1-Dichloroethene-d2	2.565	63	144612	56.970	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 113.940%			
21) 2-Butanone-d5	4.617	46	108497	137.618	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 137.620%#			
24) Chloroform-d	5.057	84	182559	67.026	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 134.060%#			
26) 1,2-Dichloroethane-d4	5.697	65	123843	71.210	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 142.420%#			
32) Benzene-d6	5.723	84	358352	68.755	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 137.500%#			
36) 1,2-Dichloropropane-d6	6.687	67	106591	69.731	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 139.460%#			
41) Toluene-d8	7.893	98	314551	66.277	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 132.560%#			
43) trans-1,3-Dichloroprop...	8.176	79	52130	68.041	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 136.080%#			
47) 2-Hexanone-d5	8.629	63	74818	139.298	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 139.300%#			
56) 1,1,2,2-Tetrachloroeth...	10.751	84	148063	65.559	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 131.120%#			
66) 1,2-Dichlorobenzene-d4	12.189	152	119597	79.336	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 158.680%#			
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	6610	4.363	ug/L #	73
12) 1,1-Dichloroethene	2.578	96	38515	29.363	ug/L #	56
13) Acetone	2.626	43	27511	28.571	ug/L	98
14) Carbon disulfide	2.793	76	167651	42.318	ug/L	99
19) 1,1-Dichloroethane	3.867	63	27504	11.063	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	88289	58.336	ug/L	98
25) Chloroform	5.080	83	6153	2.205	ug/L	100
27) 1,2-Dichloroethane	5.793	62	2980	1.349	ug/L	97
30) 1,1,1-Trichloroethane	5.308	97	2541	1.013	ug/L #	52
34) Trichloroethene	6.536	95	287620	194.863	ug/L	96
46) Tetrachloroethene	8.549	164	169256	133.171	ug/L	99

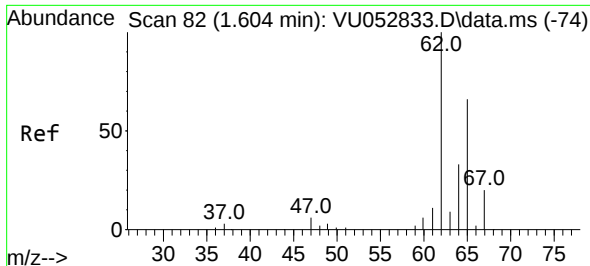
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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C0LC4

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Quant Title : VOC Analysis
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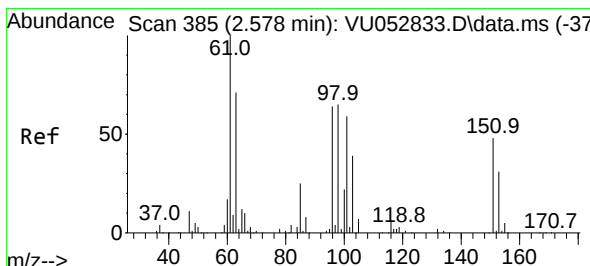
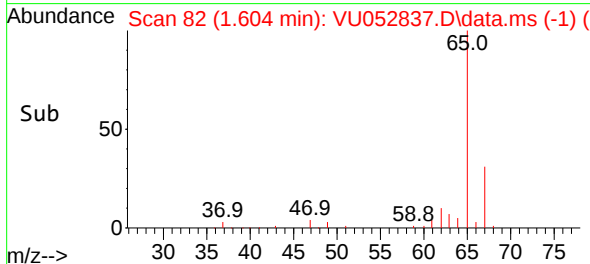
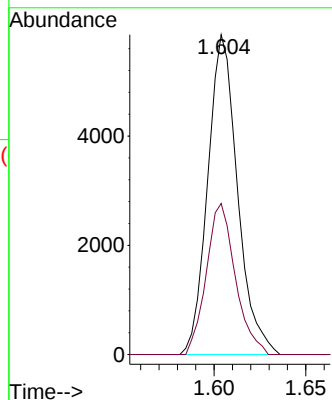
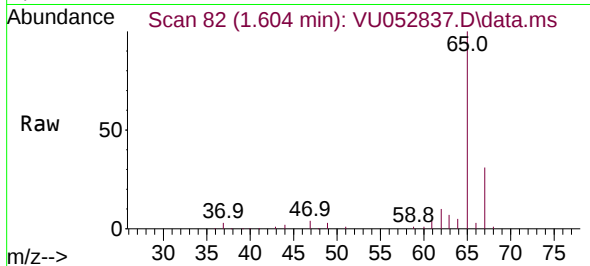




#5
 Vinyl chloride
 Concen: 4.363 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052837.D
 Acq: 27 Jan 2023 11:31

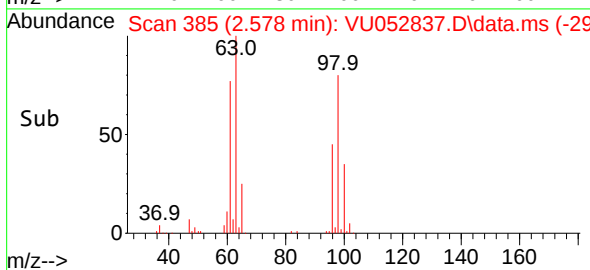
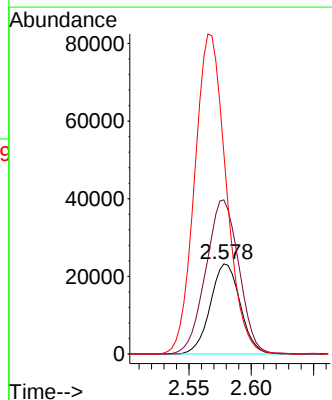
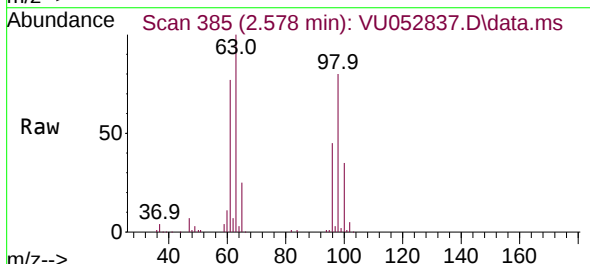
Instrument :
 MSVOA_U
 ClientSampleId :
 COLC4

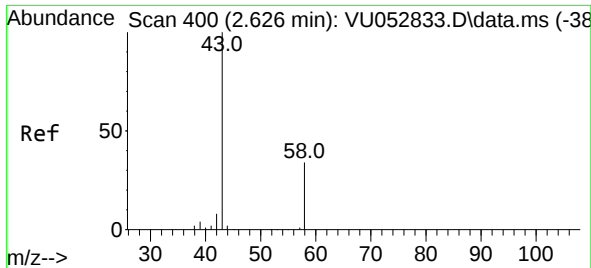
Tgt Ion: 62 Resp: 6610
 Ion Ratio Lower Upper
 62 100
 64 47.2 22.4 41.6#



#12
 1,1-Dichloroethene
 Concen: 29.363 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU052837.D
 Acq: 27 Jan 2023 11:31

Tgt Ion: 96 Resp: 38515
 Ion Ratio Lower Upper
 96 100
 61 170.9 114.3 212.3
 63 222.7 80.6 149.6#





#13

Acetone

Concen: 28.571 ug/L

RT: 2.626 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU052837.D

Acq: 27 Jan 2023 11:31

Instrument :

MSVOA_U

ClientSampleId :

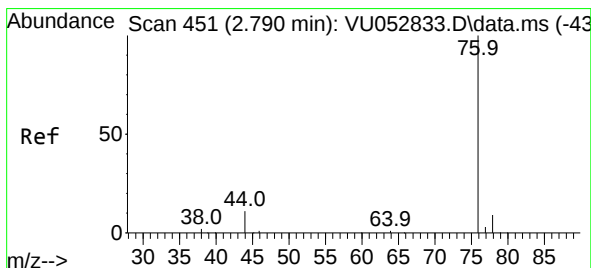
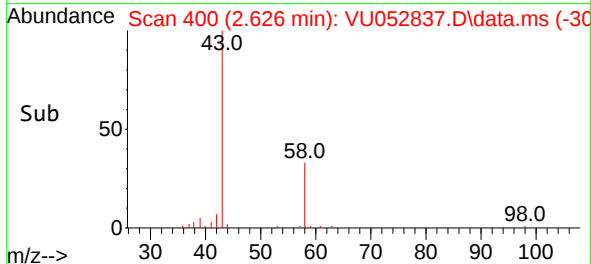
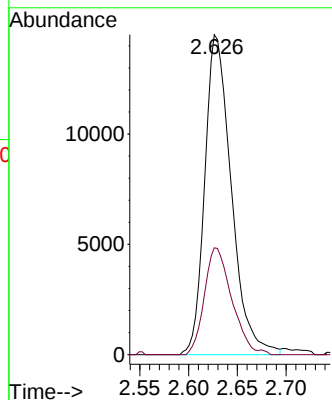
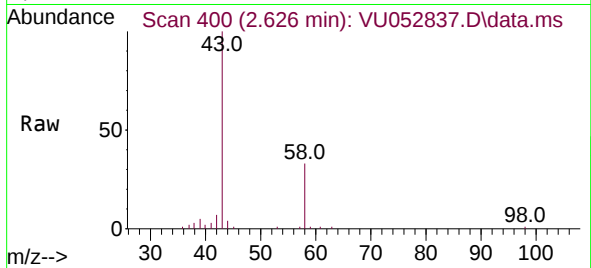
C0LC4

Tgt Ion: 43 Resp: 27511

Ion Ratio Lower Upper

43 100

58 34.1 0.0 70.2



#14

Carbon disulfide

Concen: 42.318 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU052837.D

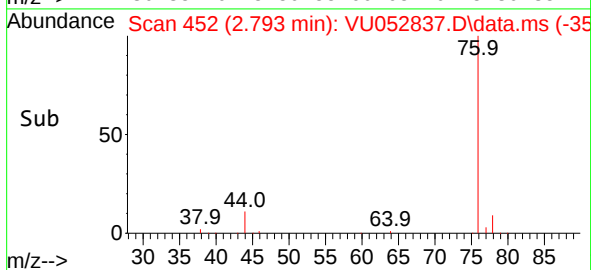
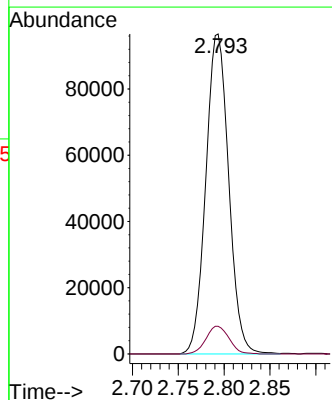
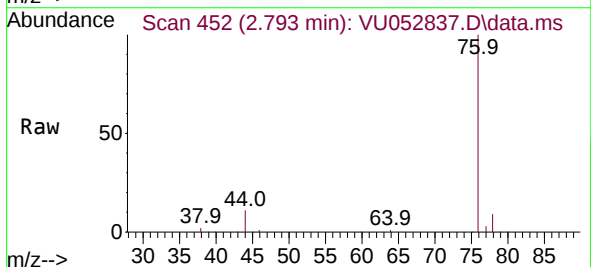
Acq: 27 Jan 2023 11:31

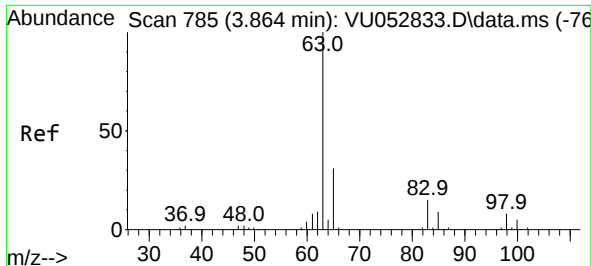
Tgt Ion: 76 Resp: 167651

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7

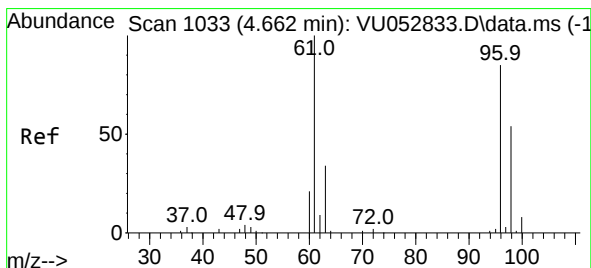
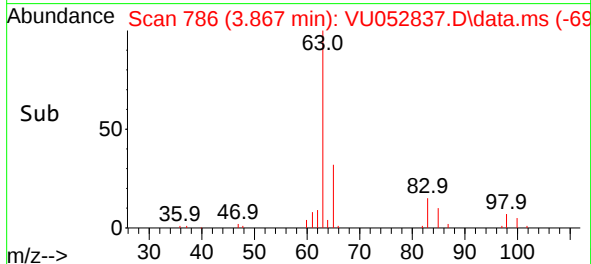
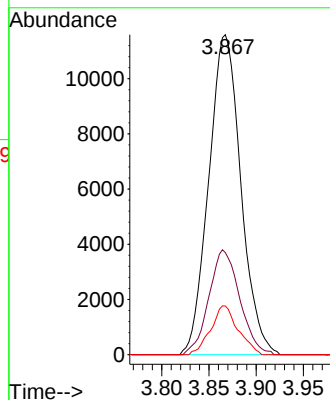
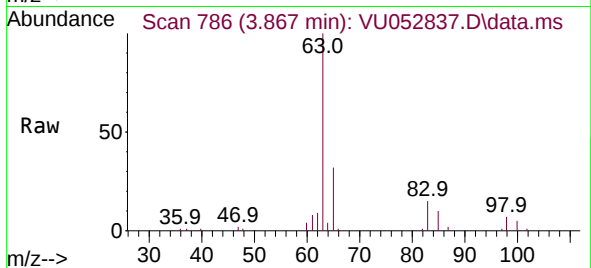




#19
1,1-Dichloroethane
Concen: 11.063 ug/L
RT: 3.867 min Scan# 785
Delta R.T. 0.003 min
Lab File: VU052837.D
Acq: 27 Jan 2023 11:31

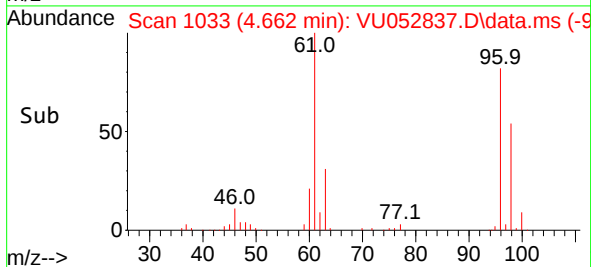
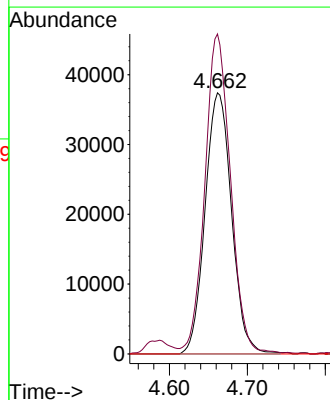
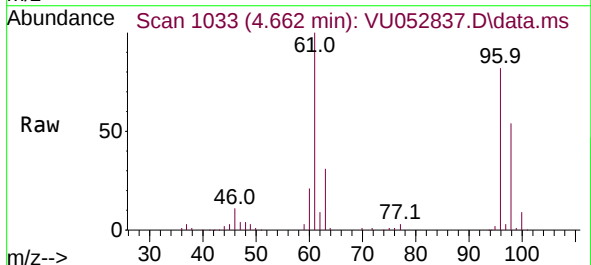
Instrument :
MSVOA_U
ClientSampleId :
COLC4

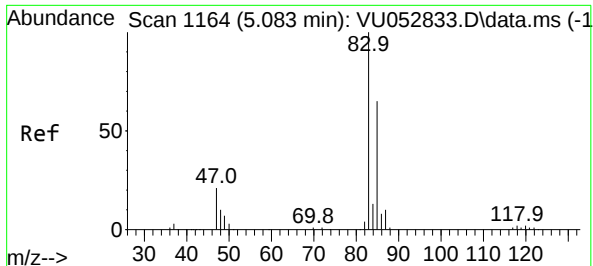
Tgt Ion: 63 Resp: 27504
Ion Ratio Lower Upper
63 100
65 31.9 22.4 41.6
83 15.2 9.2 17.2



#20
cis-1,2-Dichloroethene
Concen: 58.336 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU052837.D
Acq: 27 Jan 2023 11:31

Tgt Ion: 96 Resp: 88289
Ion Ratio Lower Upper
96 100
61 122.6 84.1 156.1
68 0.0 0.0 0.0





#25

Chloroform

Concen: 2.205 ug/L

RT: 5.080 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU052837.D

Acq: 27 Jan 2023 11:31

Instrument :

MSVOA_U

ClientSampleId :

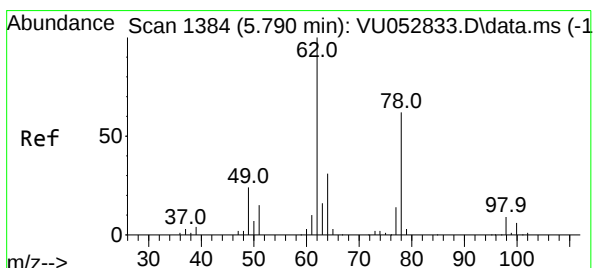
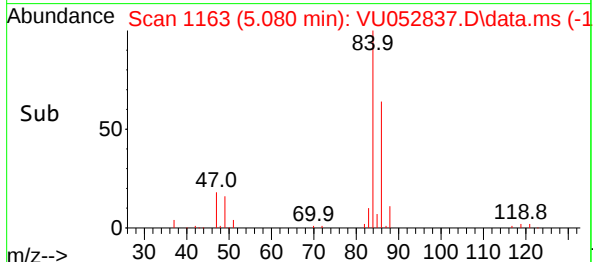
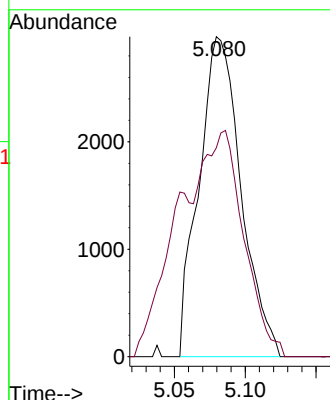
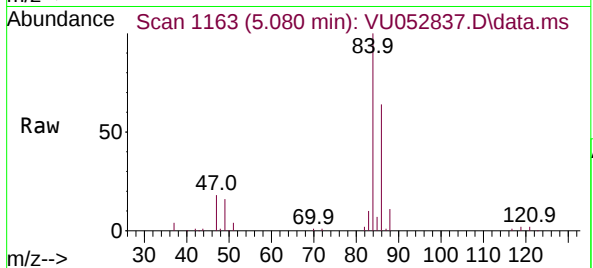
C0LC4

Tgt Ion: 83 Resp: 6153

Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.0



#27

1,2-Dichloroethane

Concen: 1.349 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU052837.D

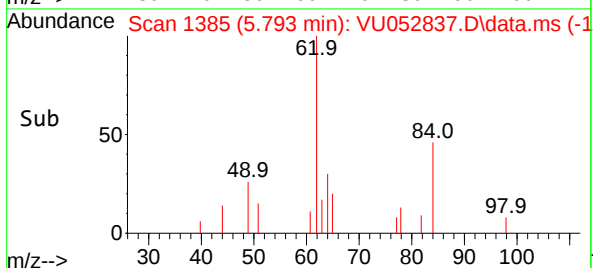
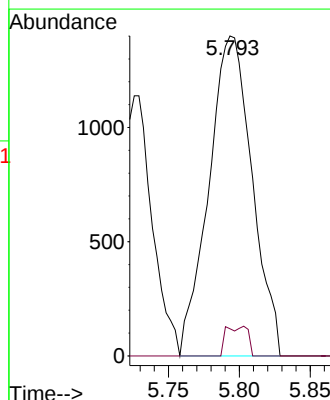
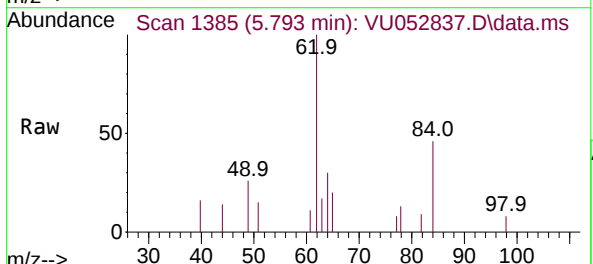
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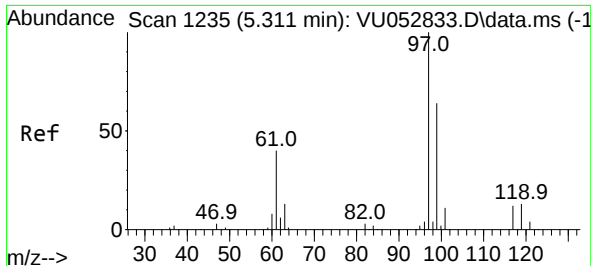
Tgt Ion: 62 Resp: 2980

Ion Ratio Lower Upper

62 100

98 8.5 7.6 11.4





#30

1,1,1-Trichloroethane

Concen: 1.013 ug/L

RT: 5.308 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU052837.D

Acq: 27 Jan 2023 11:31

Instrument :

MSVOA_U

ClientSampleId :

C0LC4

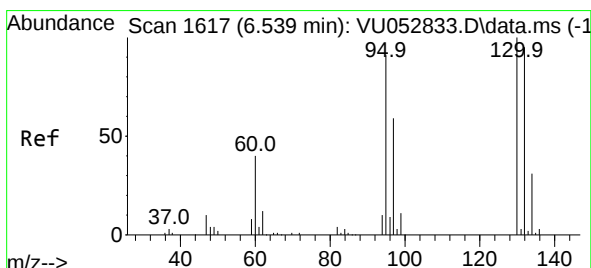
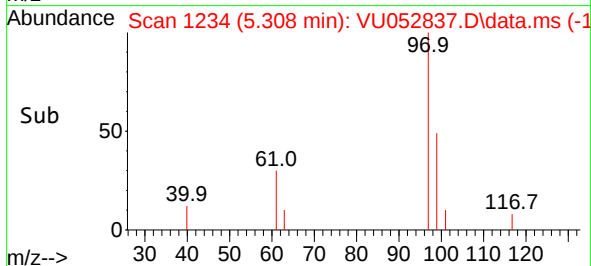
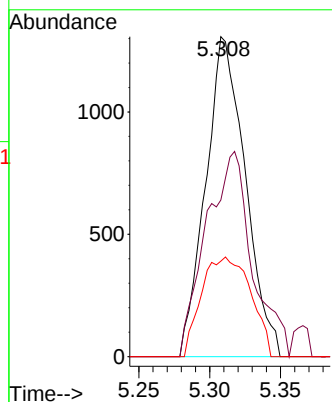
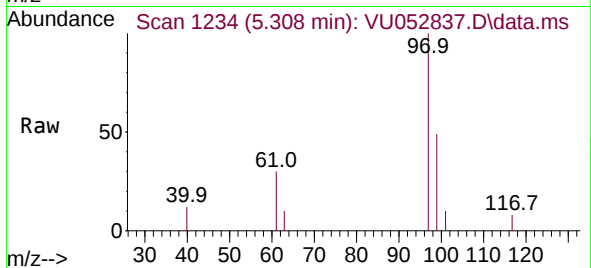
Tgt Ion: 97 Resp: 2541

Ion Ratio Lower Upper

97 100

99 24.8 51.4 77.0#

61 14.0 33.0 49.6#



#34

Trichloroethene

Concen: 194.863 ug/L

RT: 6.536 min Scan# 1616

Delta R.T. -0.003 min

Lab File: VU052837.D

Acq: 27 Jan 2023 11:31

Tgt Ion: 95 Resp: 287620

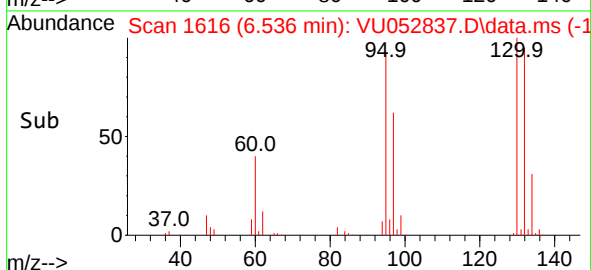
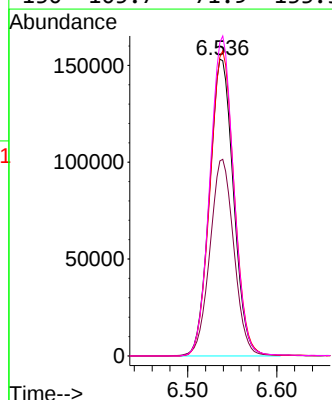
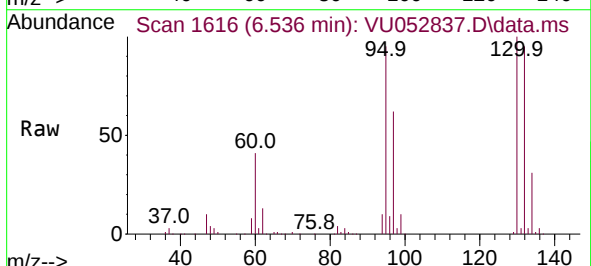
Ion Ratio Lower Upper

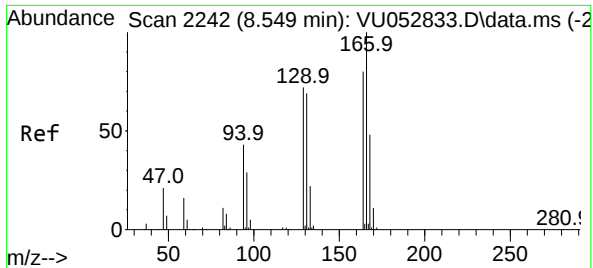
95 100

97 65.7 44.5 82.7

132 100.7 66.8 124.0

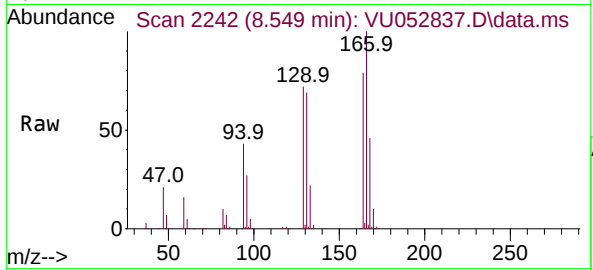
130 105.7 71.9 133.5





#46
 Tetrachloroethene
 Concen: 133.171 ug/L
 RT: 8.549 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU052837.D
 Acq: 27 Jan 2023 11:31

Instrument :
 MSVOA_U
 ClientSampleId :
 C0LC4



Tgt Ion:	164	Resp:	169256
Ion	Ratio	Lower	Upper
164	100		
129	90.5	64.8	120.3
131	86.8	61.2	113.6
166	126.6	89.2	165.8

