

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060922\
 Data File : VU048976.D
 Acq On : 09 Jun 2022 13:56
 Operator : SY/MD
 Sample : N3248-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYW7

Quant Time: Jun 10 01:03:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 10 01:01:44 2022
 Response via : Initial Calibration

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

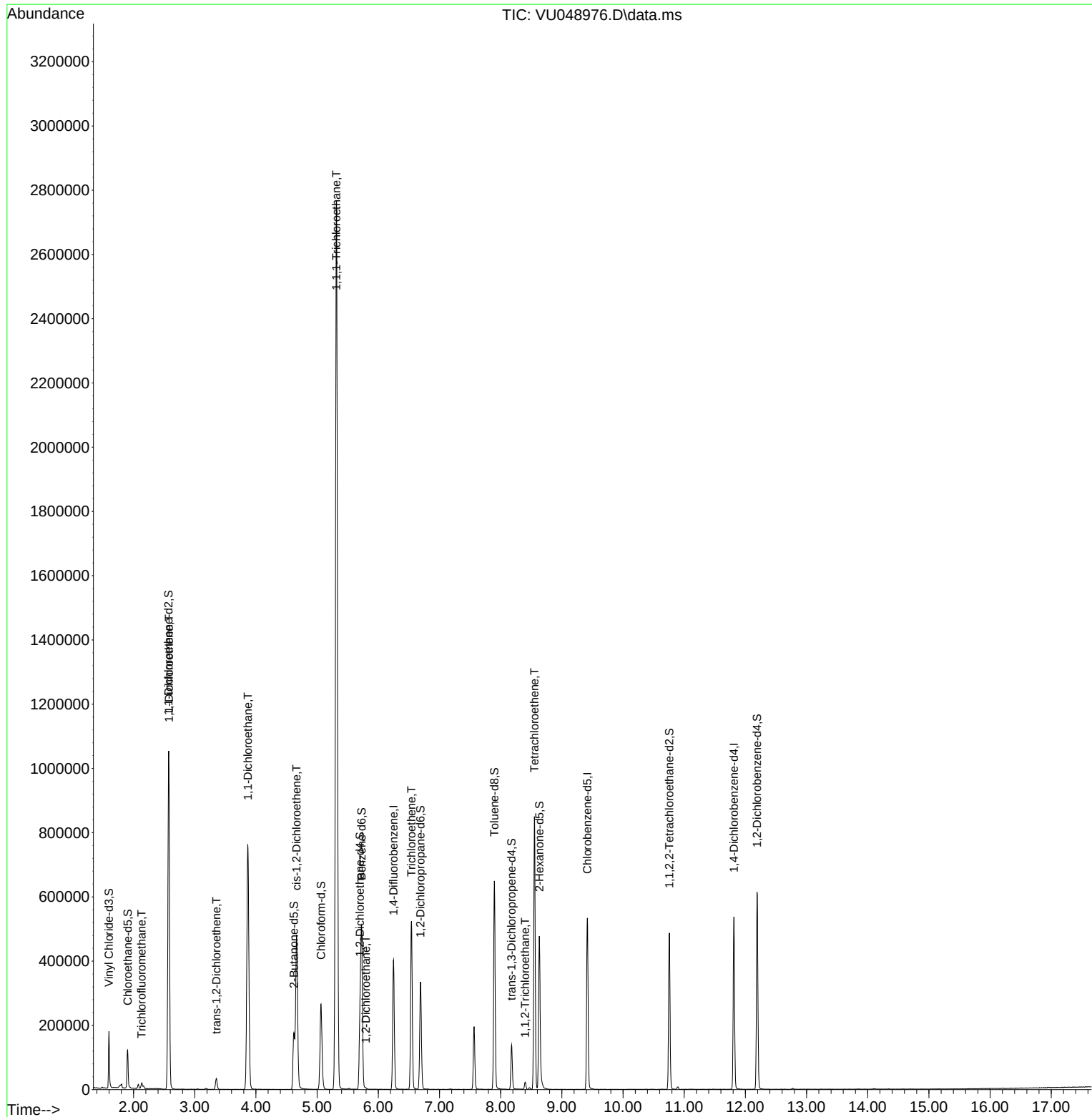
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	328415	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	309599	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	146598	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	122273	60.787	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 121.580%			
7) Chloroethane-d5	1.903	69	91362	60.625	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 121.240%			
11) 1,1-Dichloroethene-d2	2.572	63	332822	73.161	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 146.320%#			
21) 2-Butanone-d5	4.620	46	247509	129.301	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 129.300%			
24) Chloroform-d	5.064	84	246943	48.581	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.160%			
26) 1,2-Dichloroethane-d4	5.700	65	159760	44.550	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.100%			
32) Benzene-d6	5.726	84	479372	55.635	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 111.280%			
36) 1,2-Dichloropropane-d6	6.690	67	162341	64.179	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 128.360%#			
41) Toluene-d8	7.896	98	434524	53.614	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.220%			
43) trans-1,3-Dichloroprop...	8.179	79	78773	48.700	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.400%			
47) 2-Hexanone-d5	8.632	63	164976	118.926	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 118.930%			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	244226	58.349	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 116.700%			
66) 1,2-Dichlorobenzene-d4	12.192	152	166124	55.432	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 110.860%			
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.131	101	11426	2.527	ug/L	100
12) 1,1-Dichloroethene	2.578	96	314568	147.216	ug/L #	81
17) trans-1,2-Dichloroethene	3.353	96	13951	6.053	ug/L	90
19) 1,1-Dichloroethane	3.867	63	889468	210.811	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	249472	95.987	ug/L	96
27) 1,2-Dichloroethane	5.797	62	2145	0.508	ug/L #	82
30) 1,1,1-Trichloroethane	5.314	97	2082419	444.224	ug/L	99
34) Trichloroethene	6.543	95	181278	70.837	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	7256	2.996	ug/L	94
46) Tetrachloroethene	8.552	164	188854	90.438	ug/L	97

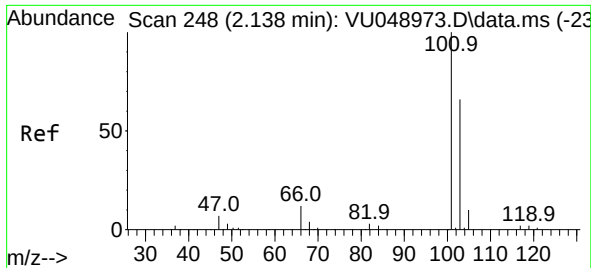
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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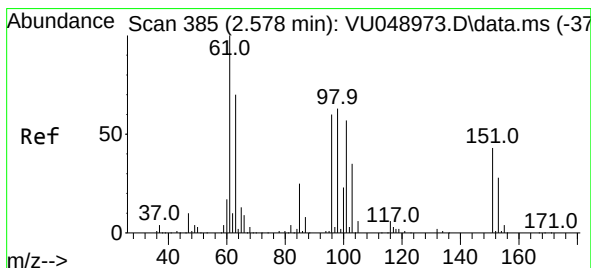
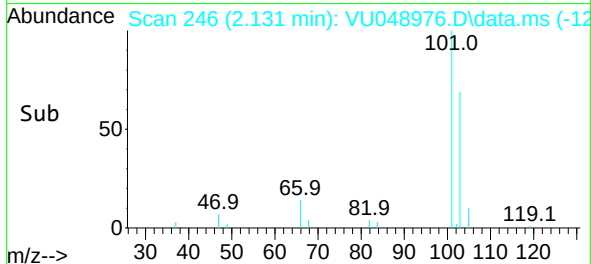
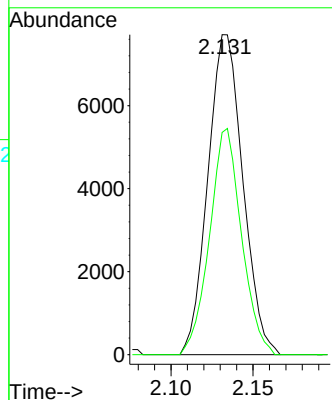
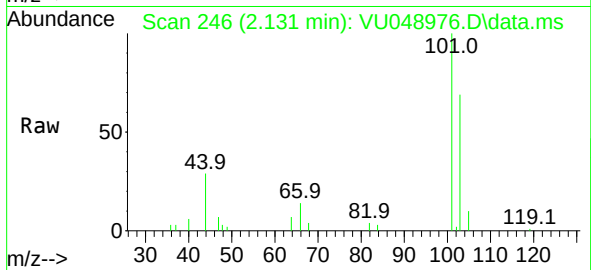




#9
 Trichlorofluoromethane
 Concen: 2.527 ug/L
 RT: 2.131 min Scan# 24
 Delta R.T. -0.006 min
 Lab File: VU048976.D
 Acq: 09 Jun 2022 13:56

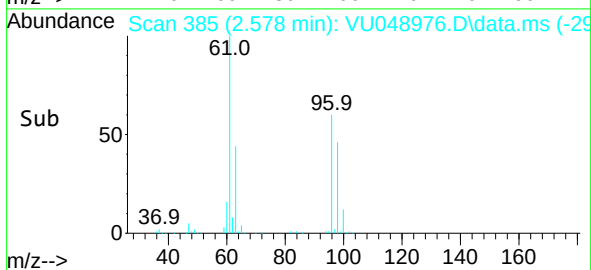
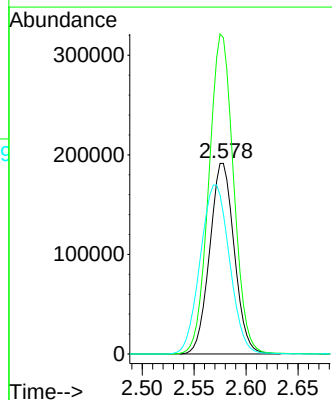
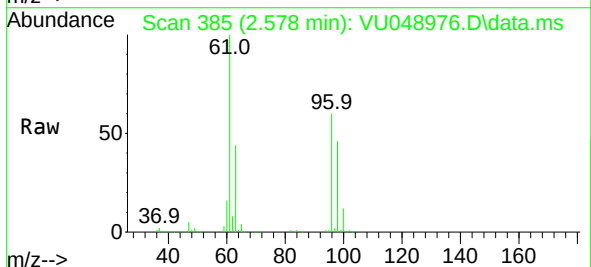
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYW7

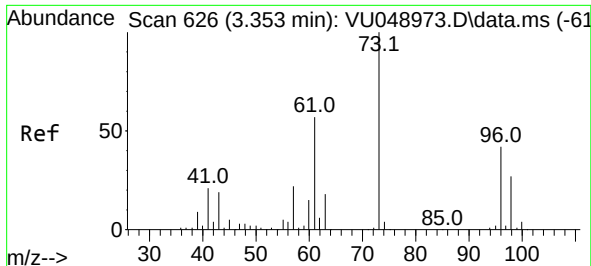
Tgt Ion:101 Resp: 11426
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.6 77.4



#12
 1,1-Dichloroethene
 Concen: 147.216 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU048976.D
 Acq: 09 Jun 2022 13:56

Tgt Ion: 96 Resp: 314568
 Ion Ratio Lower Upper
 96 100
 61 166.0 120.6 224.0
 63 73.6 82.3 152.9#

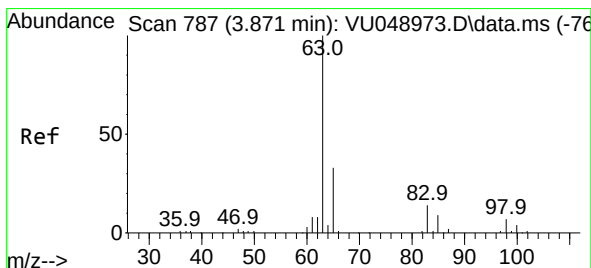
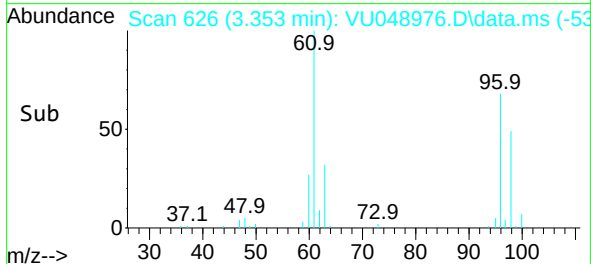
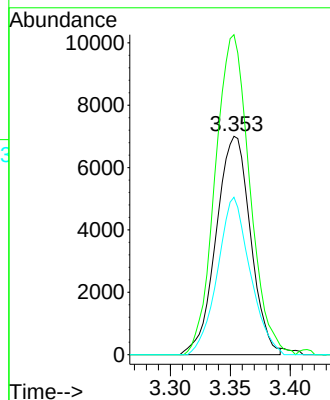
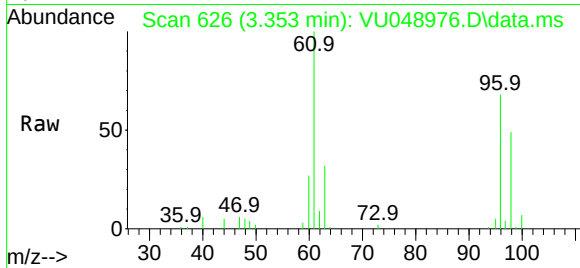




#17
trans-1,2-Dichloroethene
Concen: 6.053 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU048976.D
Acq: 09 Jun 2022 13:56

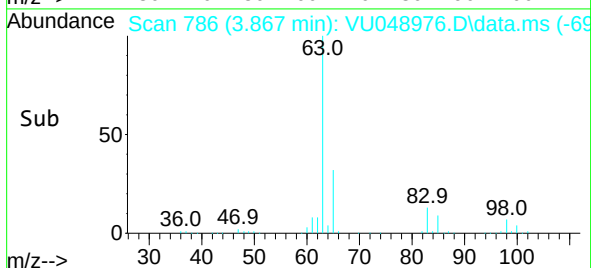
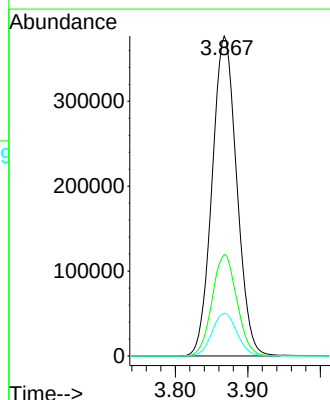
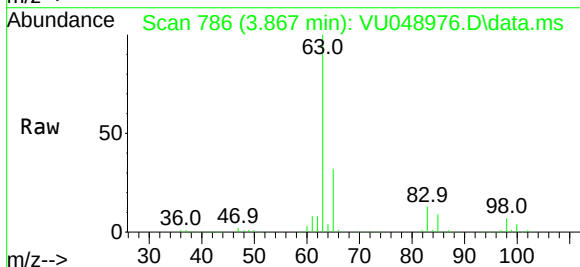
Instrument :
MSVOA_U
ClientSampleId :
EXYW7

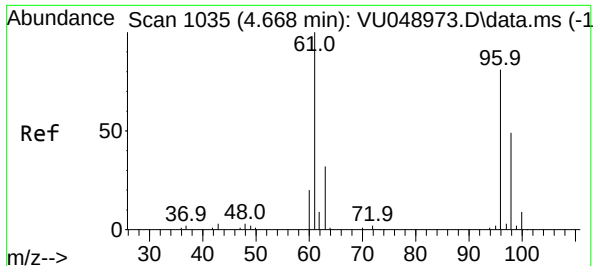
Tgt Ion: 96 Resp: 13951
Ion Ratio Lower Upper
96 100
61 146.5 94.2 175.0
98 72.1 45.1 83.7



#19
1,1-Dichloroethane
Concen: 210.811 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.003 min
Lab File: VU048976.D
Acq: 09 Jun 2022 13:56

Tgt Ion: 63 Resp: 889468
Ion Ratio Lower Upper
63 100
65 31.7 21.8 40.6
83 13.3 9.8 18.2





#20

cis-1,2-Dichloroethene

Concen: 95.987 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU048976.D

Acq: 09 Jun 2022 13:56

Instrument :

MSVOA_U

ClientSampleId :

EXYW7

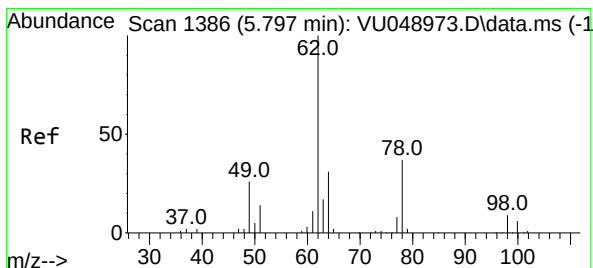
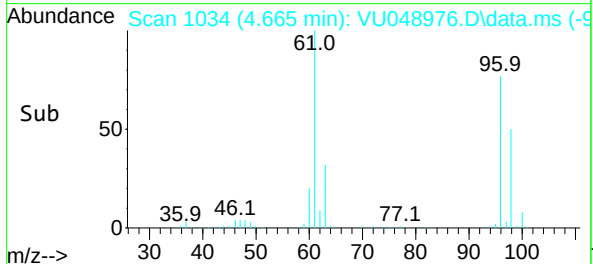
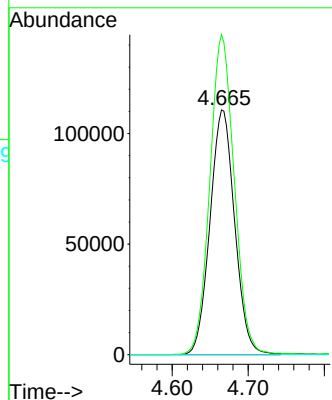
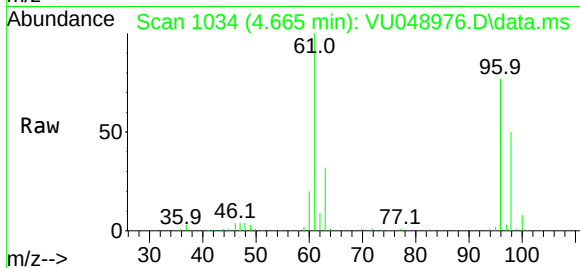
Tgt Ion: 96 Resp: 249472

Ion Ratio Lower Upper

96 100

61 130.7 88.3 164.1

68 0.0 0.0 0.0



#27

1,2-Dichloroethane

Concen: 0.508 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU048976.D

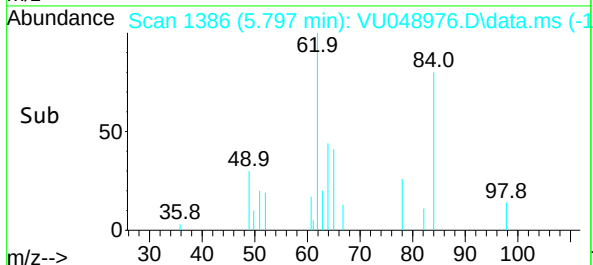
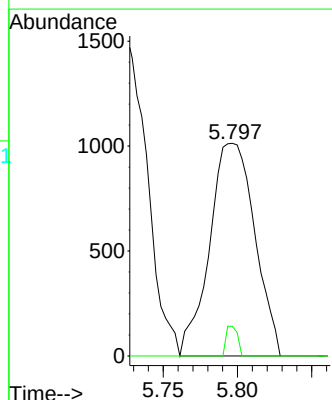
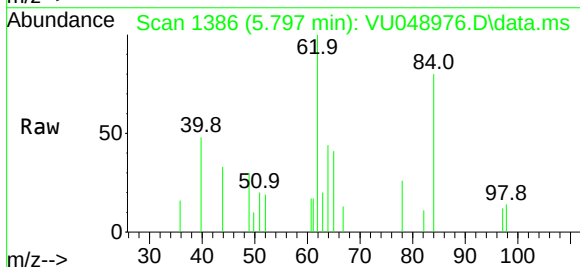
Acq: 09 Jun 2022 13:56

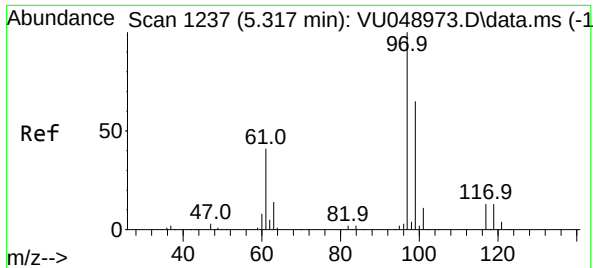
Tgt Ion: 62 Resp: 2145

Ion Ratio Lower Upper

62 100

98 13.9 6.0 9.0#





#30

1,1,1-Trichloroethane

Concen: 444.224 ug/L

RT: 5.314 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048976.D

Acq: 09 Jun 2022 13:56

Instrument :

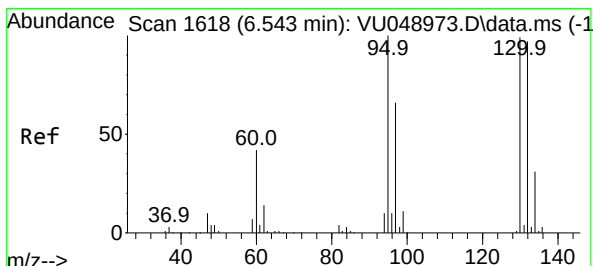
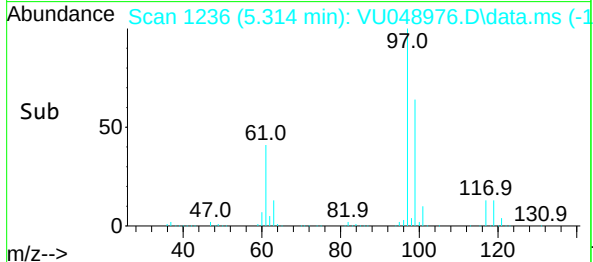
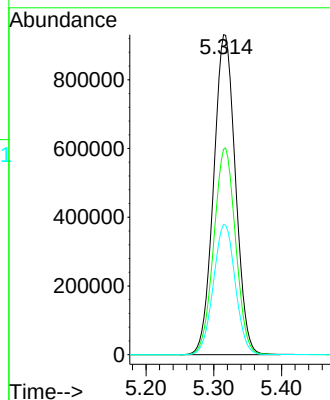
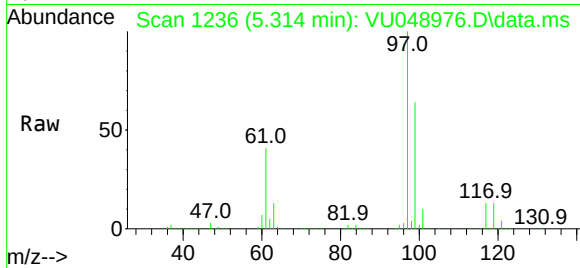
MSVOA_U

ClientSampleId :

EXYW7

Tgt Ion: 97 Resp: 2082419

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.3	75.5
61	40.8	32.6	48.8



#34

Trichloroethene

Concen: 70.837 ug/L

RT: 6.543 min Scan# 1618

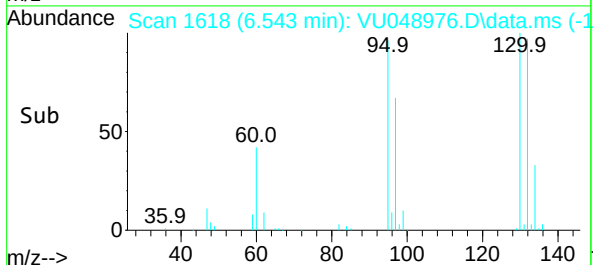
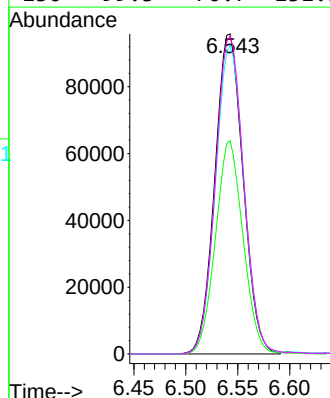
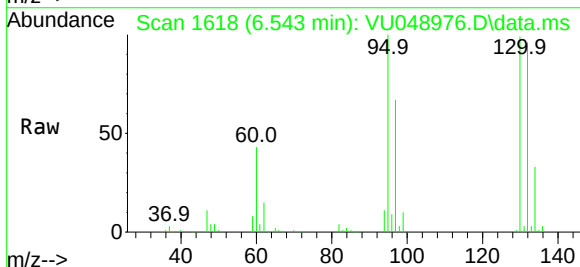
Delta R.T. 0.000 min

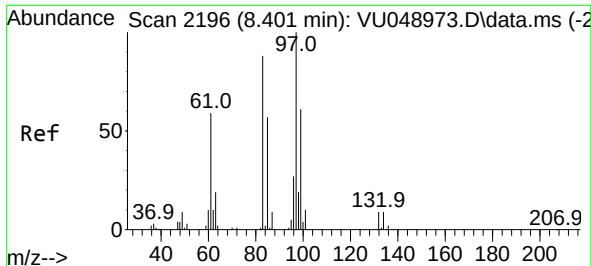
Lab File: VU048976.D

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Tgt Ion: 95 Resp: 181278

Ion	Ratio	Lower	Upper
95	100		
97	66.6	45.2	84.0
132	96.4	67.3	124.9
130	99.3	70.7	131.3

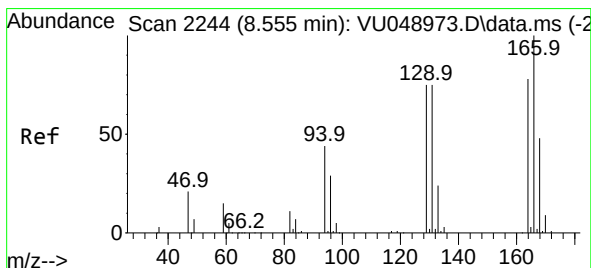
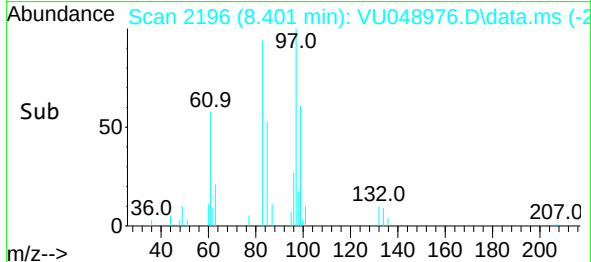
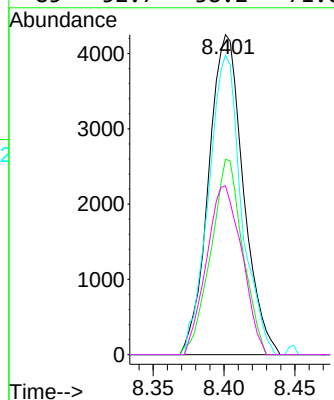
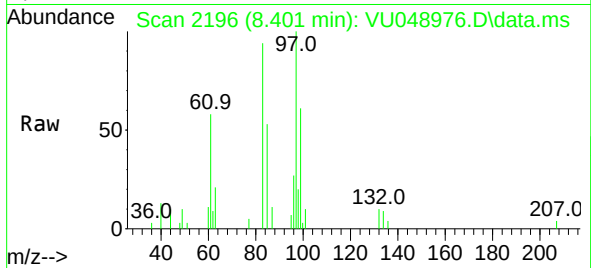




#45
1,1,2-Trichloroethane
Concen: 2.996 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048976.D
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Instrument :
MSVOA_U
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Tgt Ion: 97	Resp: 7256
Ion Ratio	Lower Upper
97 100	
99 61.1	42.2 78.4
83 93.6	58.4 108.6
85 52.7	38.2 71.0



#46
Tetrachloroethene
Concen: 90.438 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048976.D
Acq: 09 Jun 2022 13:56

Tgt	Ion:164	Resp:	188854
Ion	Ratio	Lower	Upper
164	100		
129	97.4	64.3	119.3
131	91.5	64.5	119.7
166	128.0	87.5	162.5

