

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060922\
 Data File : VU048977.D
 Acq On : 09 Jun 2022 14:20
 Operator : SY/MD
 Sample : N3248-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYW8

Quant Time: Jun 10 01:03:25 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)

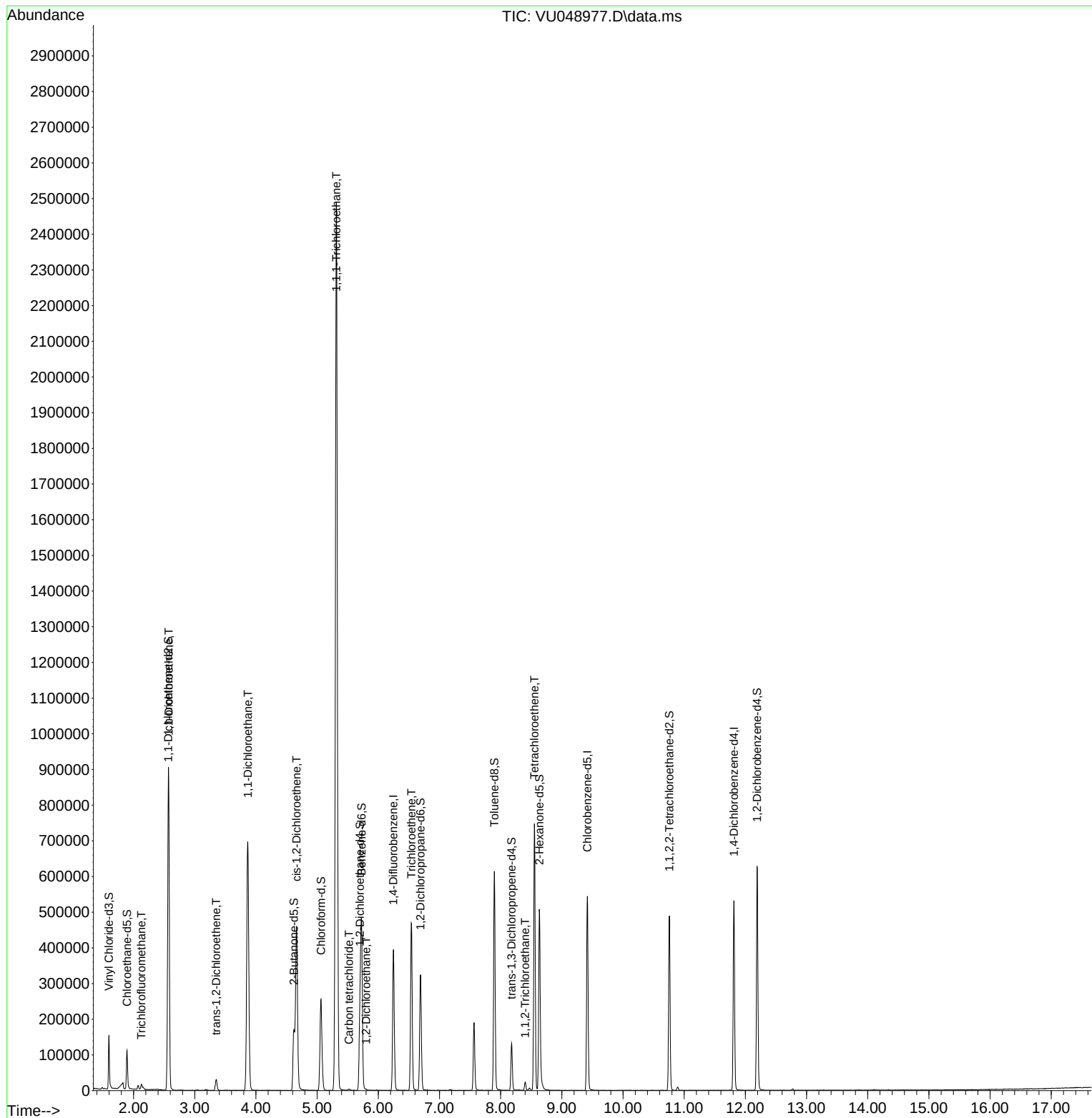
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	317205	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	305047	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	144221	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	110373	56.810	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 113.620%			
7) Chloroethane-d5	1.893	69	82220	56.486	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.980%			
11) 1,1-Dichloroethene-d2	2.565	63	293503	66.798	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 133.600%#			
21) 2-Butanone-d5	4.620	46	245415	132.737	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 132.740%#			
24) Chloroform-d	5.063	84	236738	48.220	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.440%			
26) 1,2-Dichloroethane-d4	5.700	65	155963	45.028	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.060%			
32) Benzene-d6	5.726	84	450787	53.098	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 106.200%			
36) 1,2-Dichloropropane-d6	6.690	67	156231	62.685	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 125.360%#			
41) Toluene-d8	7.896	98	406657	50.925	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.840%			
43) trans-1,3-Dichloroprop...	8.179	79	73648	46.211	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.420%			
47) 2-Hexanone-d5	8.632	63	173897	127.228	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 127.230%			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	246806	59.845	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 119.680%			
66) 1,2-Dichlorobenzene-d4	12.192	152	169344	57.438	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 114.880%			
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.128	101	9372	2.146	ug/L	97
12) 1,1-Dichloroethene	2.575	96	267509	129.617	ug/L #	81
17) trans-1,2-Dichloroethene	3.350	96	13723	6.165	ug/L	90
19) 1,1-Dichloroethane	3.867	63	814205	199.793	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	237615	94.656	ug/L	99
27) 1,2-Dichloroethane	5.800	62	1947	0.477	ug/L #	84
30) 1,1,1-Trichloroethane	5.314	97	1857831	402.229	ug/L	98
31) Carbon tetrachloride	5.520	117	2081	0.494	ug/L	86
34) Trichloroethene	6.539	95	160871	63.801	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	6926	2.902	ug/L	95
46) Tetrachloroethene	8.552	164	168451	81.871	ug/L	98

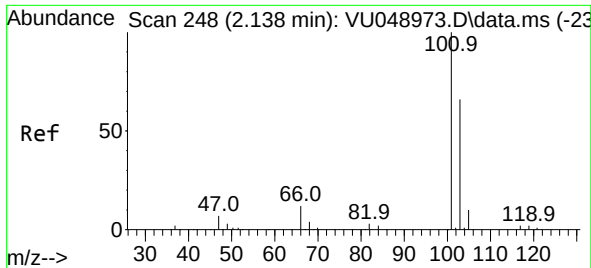
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

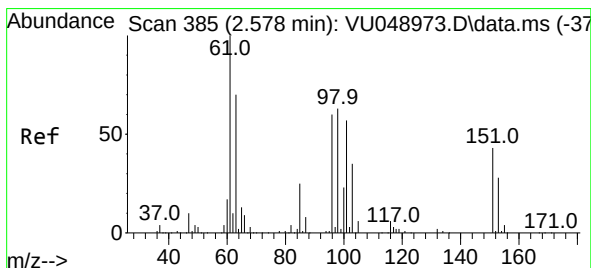
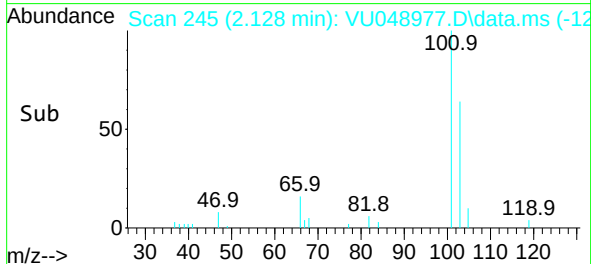
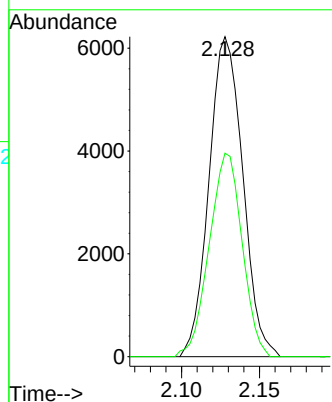
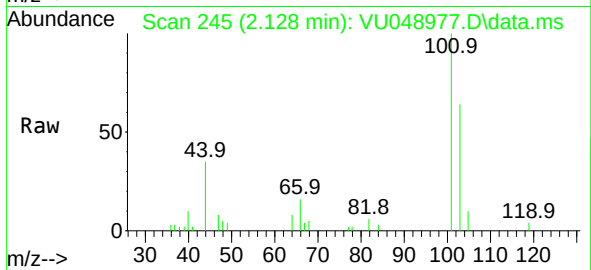




#9
 Trichlorofluoromethane
 Concen: 2.146 ug/L
 RT: 2.128 min Scan# 248
 Delta R.T. -0.010 min
 Lab File: VU048977.D
 Acq: 09 Jun 2022 14:20

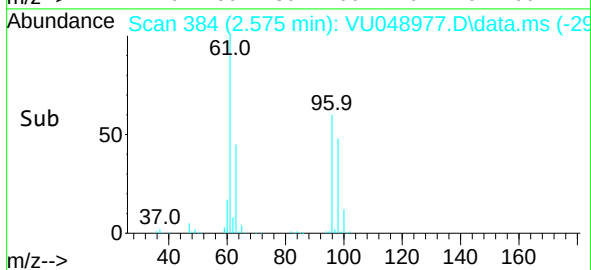
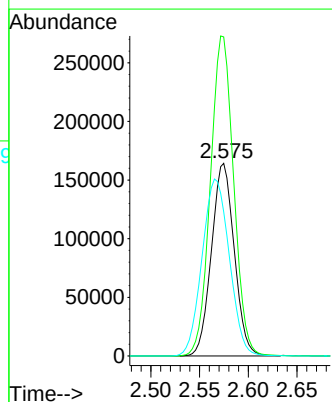
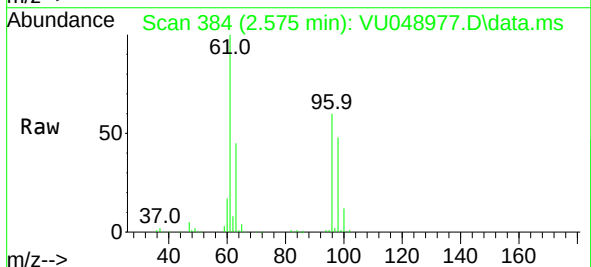
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYW8

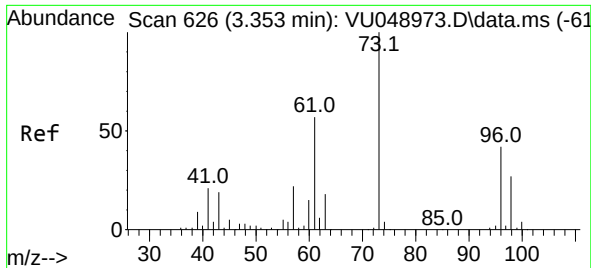
Tgt Ion:101 Resp: 9372
 Ion Ratio Lower Upper
 101 100
 103 61.8 51.6 77.4



#12
 1,1-Dichloroethene
 Concen: 129.617 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU048977.D
 Acq: 09 Jun 2022 14:20

Tgt Ion: 96 Resp: 267509
 Ion Ratio Lower Upper
 96 100
 61 165.6 120.6 224.0
 63 74.7 82.3 152.9#

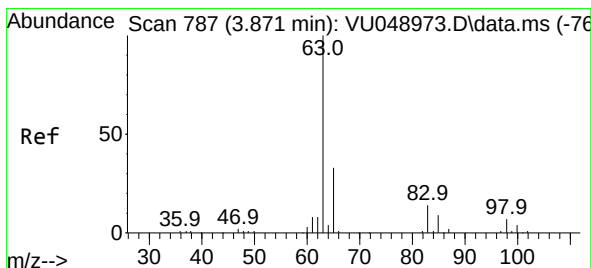
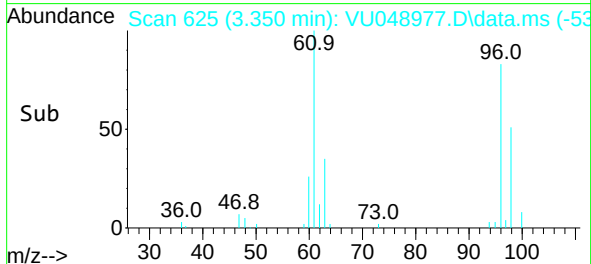
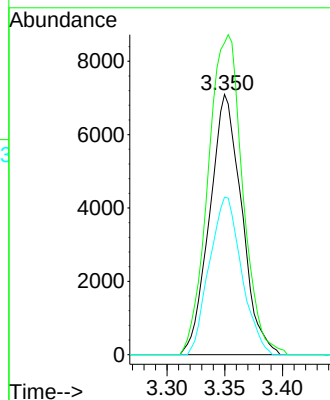
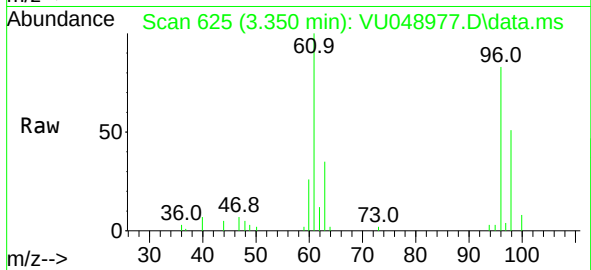




#17
trans-1,2-Dichloroethene
Concen: 6.165 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU048977.D
Acq: 09 Jun 2022 14:20

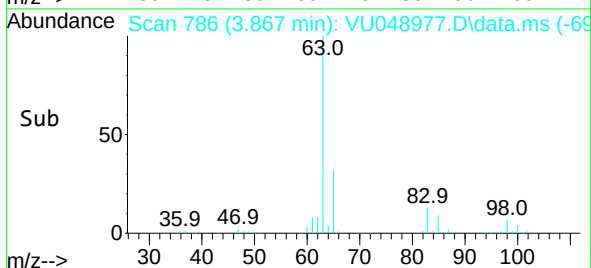
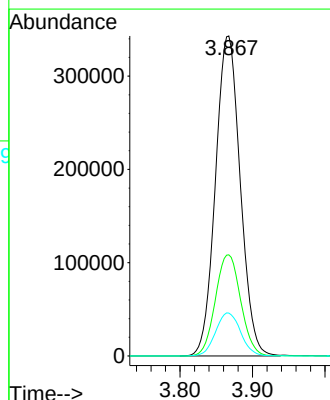
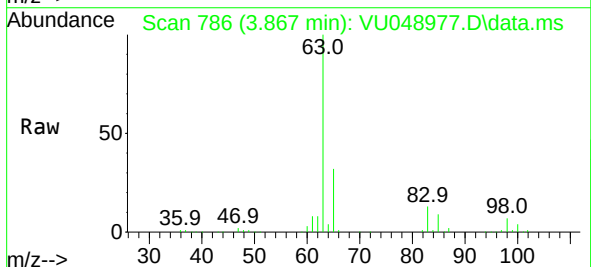
Instrument :
MSVOA_U
ClientSampleId :
EXYW8

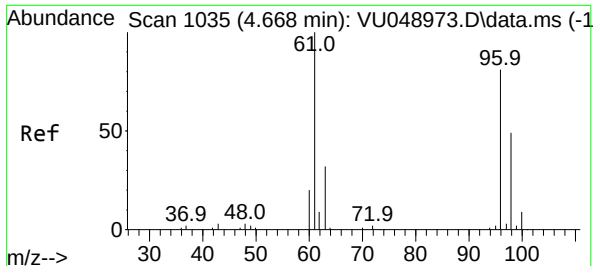
Tgt Ion: 96 Resp: 13723
Ion Ratio Lower Upper
96 100
61 119.8 94.2 175.0
98 60.5 45.1 83.7



#19
1,1-Dichloroethane
Concen: 199.793 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.003 min
Lab File: VU048977.D
Acq: 09 Jun 2022 14:20

Tgt Ion: 63 Resp: 814205
Ion Ratio Lower Upper
63 100
65 31.6 21.8 40.6
83 13.4 9.8 18.2

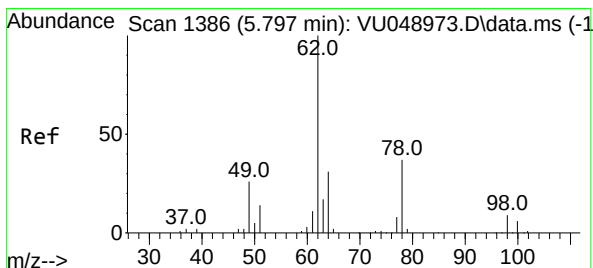
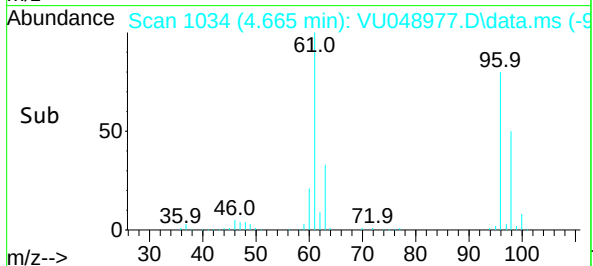
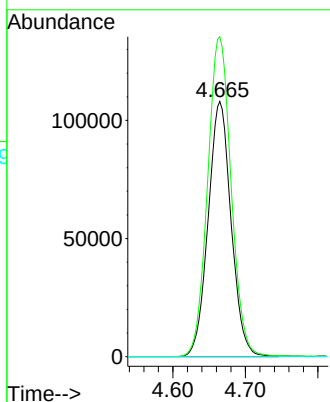
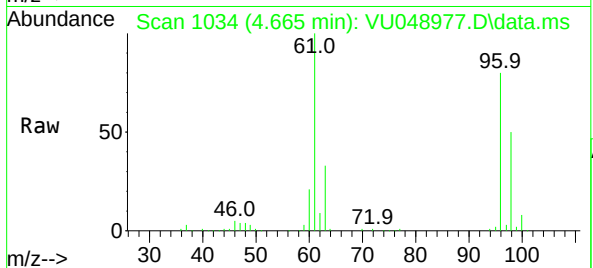




#20
cis-1,2-Dichloroethene
Concen: 94.656 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU048977.D
Acq: 09 Jun 2022 14:20

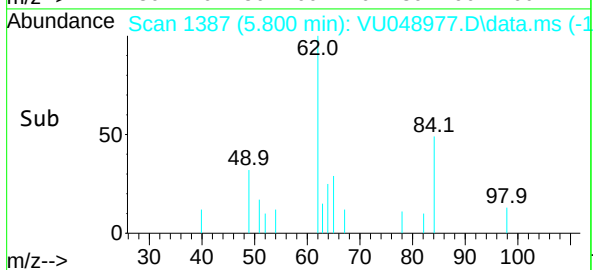
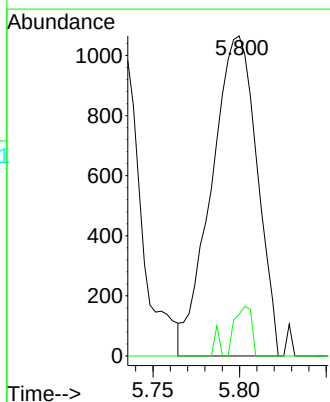
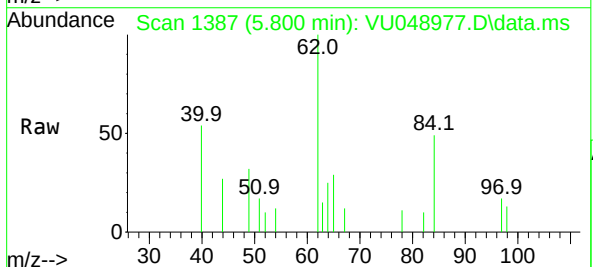
Instrument :
MSVOA_U
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EXYW8

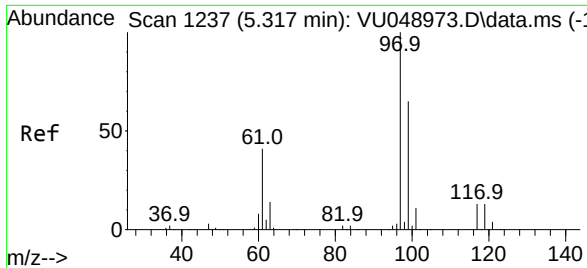
Tgt Ion: 96 Resp: 237615
Ion Ratio Lower Upper
96 100
61 125.4 88.3 164.1
68 0.0 0.0 0.0



#27
1,2-Dichloroethane
Concen: 0.477 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. 0.003 min
Lab File: VU048977.D
Acq: 09 Jun 2022 14:20

Tgt Ion: 62 Resp: 1947
Ion Ratio Lower Upper
62 100
98 13.1 6.0 9.0#

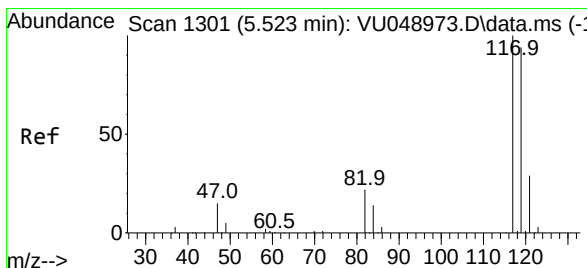
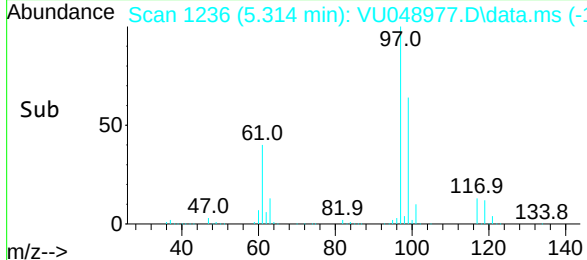
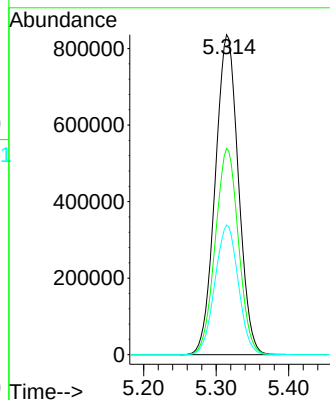
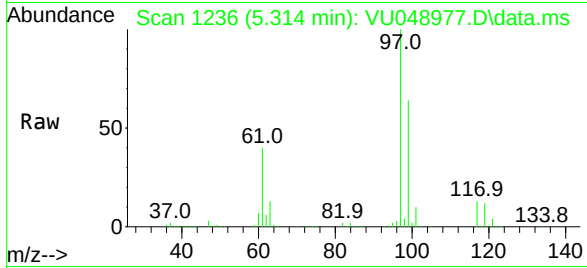




#30
1,1,1-Trichloroethane
Concen: 402.229 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048977.D
Acq: 09 Jun 2022 14:20

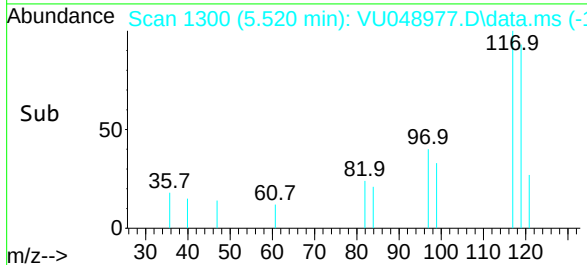
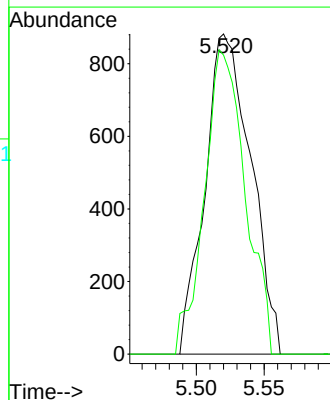
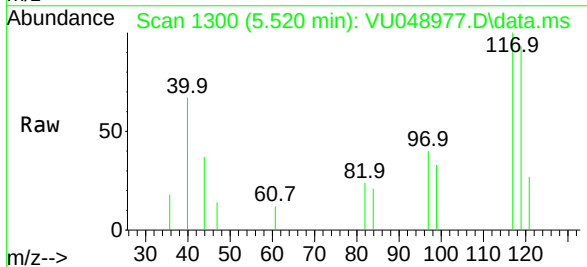
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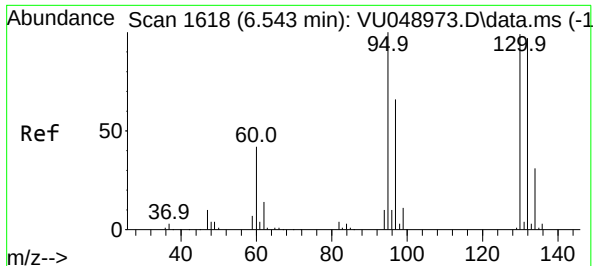
Tgt Ion: 97 Resp: 1857831
Ion Ratio Lower Upper
97 100
99 64.7 50.3 75.5
61 41.0 32.6 48.8



#31
Carbon tetrachloride
Concen: 0.494 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.003 min
Lab File: VU048977.D
Acq: 09 Jun 2022 14:20

Tgt Ion: 117 Resp: 2081
Ion Ratio Lower Upper
117 100
119 81.1 76.0 114.0

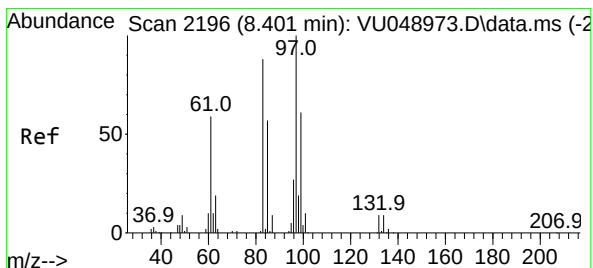
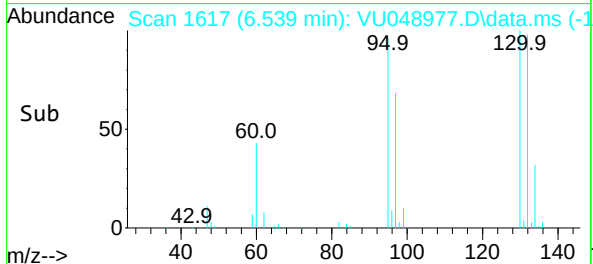
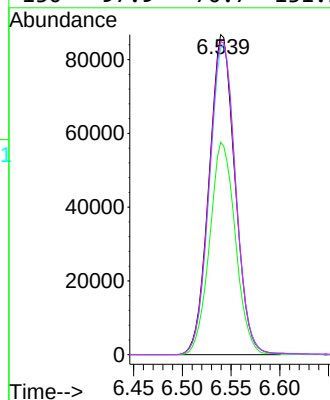
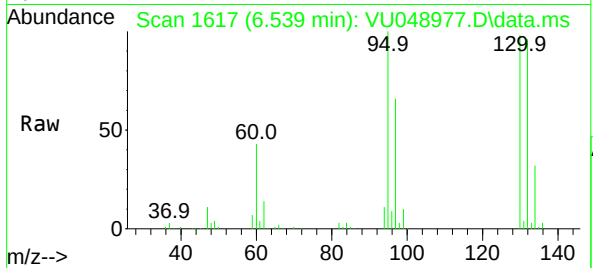




#34
Trichloroethene
Concen: 63.801 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU048977.D
Acq: 09 Jun 2022 14:20

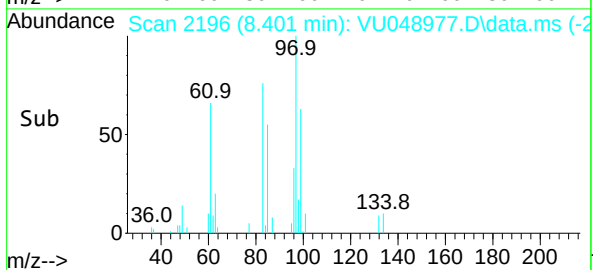
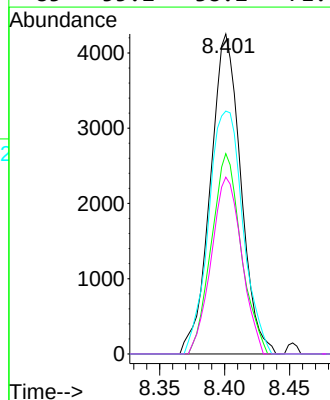
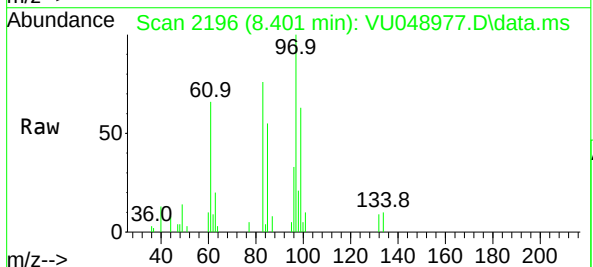
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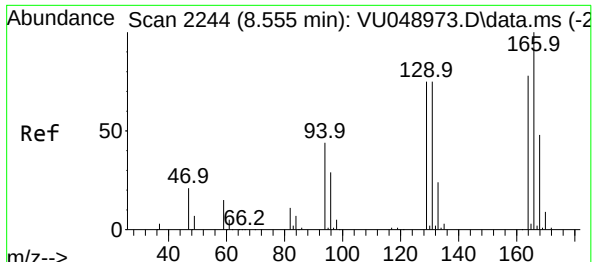
Tgt Ion: 95 Resp: 160871
Ion Ratio Lower Upper
95 100
97 66.4 45.2 84.0
132 95.7 67.3 124.9
130 97.9 70.7 131.3



#45
1,1,2-Trichloroethane
Concen: 2.902 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048977.D
Acq: 09 Jun 2022 14:20

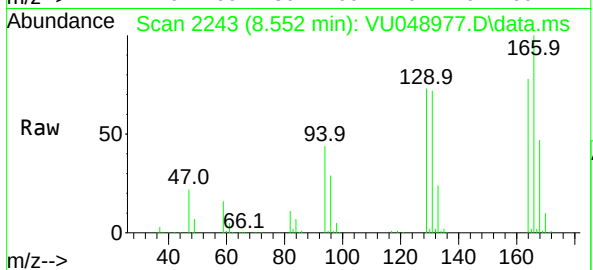
Tgt Ion: 97 Resp: 6926
Ion Ratio Lower Upper
97 100
99 62.6 42.2 78.4
83 75.9 58.4 108.6
85 55.2 38.2 71.0





#46
 Tetrachloroethene
 Concen: 81.871 ug/L
 RT: 8.552 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU048977.D
 Acq: 09 Jun 2022 14:20

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Tgt Ion:164 Resp: 168451

Ion	Ratio	Lower	Upper
164	100		
129	94.1	64.3	119.3
131	93.0	64.5	119.7
166	128.5	87.5	162.5

