

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046231.D
 Acq On : 09 Dec 2021 19:35
 Operator : SY/MD
 Sample : M4983-19
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P9

Quant Time: Dec 10 03:46:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/28/2021
 Supervised By :Semsettin Yesilyurt 12/28/2021

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	191428	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	197407	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	105042	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	71817	45.544	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.080%		
7) Chloroethane-d5	1.919	69	53590	44.263	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.520%		
11) 1,1-Dichloroethene-d2	2.578	63	168868	59.654	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	119.300%		
21) 2-Butanone-d5	4.642	46	114425	91.281	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.280%		
24) Chloroform-d	5.067	84	116141	44.104	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.200%		
26) 1,2-Dichloroethane-d4	5.706	65	80076	45.311	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.620%		
32) Benzene-d6	5.732	84	257286	45.473	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.940%		
36) 1,2-Dichloropropane-d6	6.694	67	79536	45.358	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.720%		
41) Toluene-d8	7.899	98	228796	44.412	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.820%		
43) trans-1,3-Dichloroprop...	8.179	79	38943	46.006	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.020%		
47) 2-Hexanone-d5	8.636	63	80551	96.885	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.880%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	121951	45.859	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.720%		
66) 1,2-Dichlorobenzene-d4	12.195	152	93265	46.104	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.200%		
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.144	101	4764	1.943	ug/L	93
12) 1,1-Dichloroethene	2.588	96	148166m	111.940	ug/L	
17) trans-1,2-Dichloroethene	3.359	96	4490	3.205	ug/L	95
19) 1,1-Dichloroethane	3.877	63	274343	107.719	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	204289	134.411	ug/L	99
25) Chloroform	5.092	83	22926	8.102	ug/L	99
27) 1,2-Dichloroethane	5.803	62	1914	0.912	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	815782	336.657	ug/L	99
31) Carbon tetrachloride	5.530	117	8771	4.264	ug/L	91
34) Trichloroethene	6.546	95	170186	108.123	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	3647	2.323	ug/L	95
46) Tetrachloroethene	8.555	164	89589	77.452	ug/L	97

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

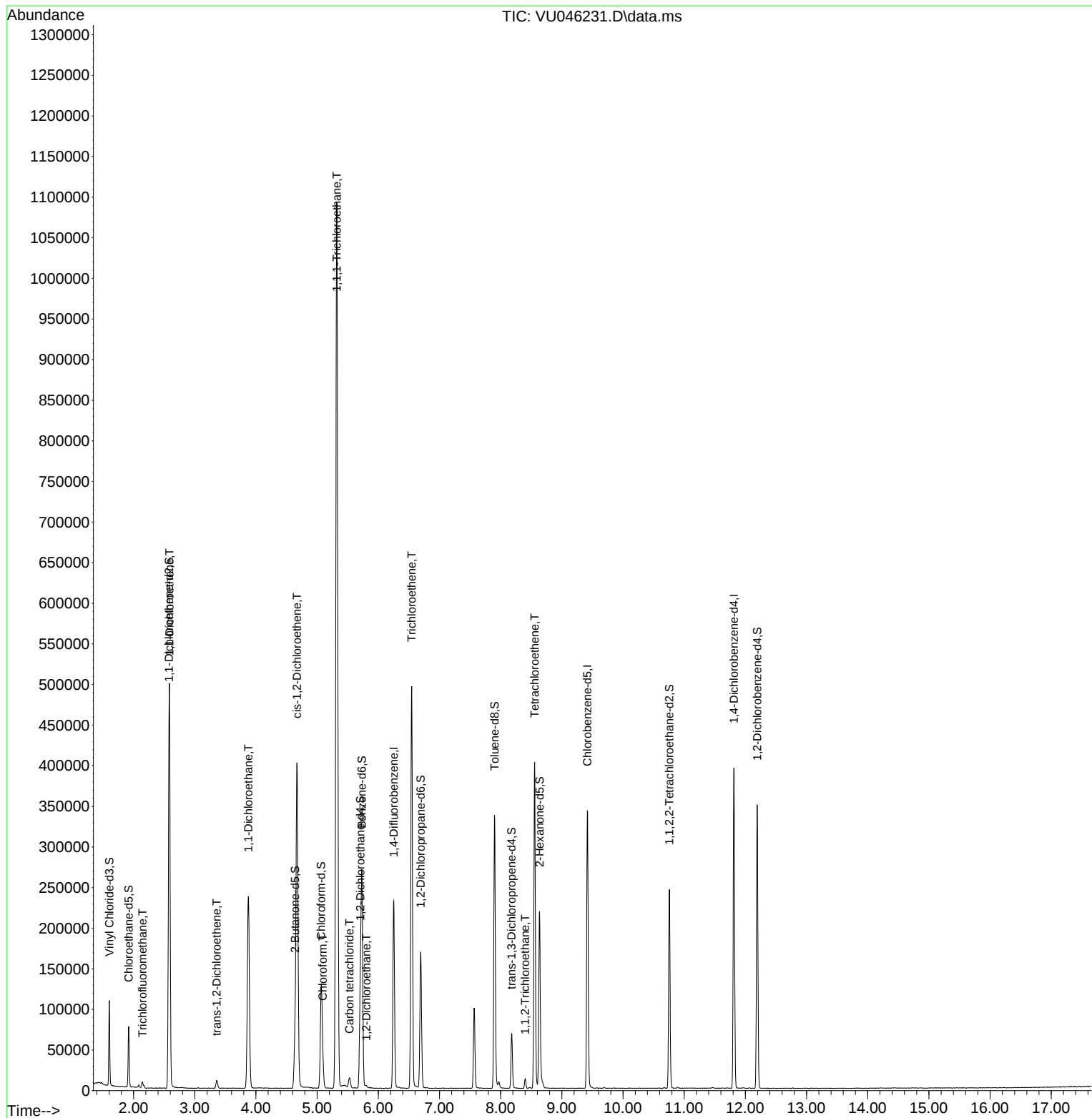
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
Data File : VU046231.D
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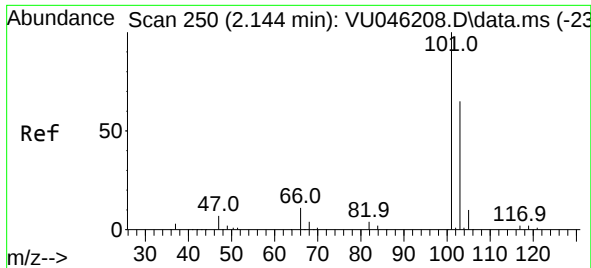
Instrument :
MSVOA_U
ClientSampleId :
EW5P9

Quant Time: Dec 10 03:46:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
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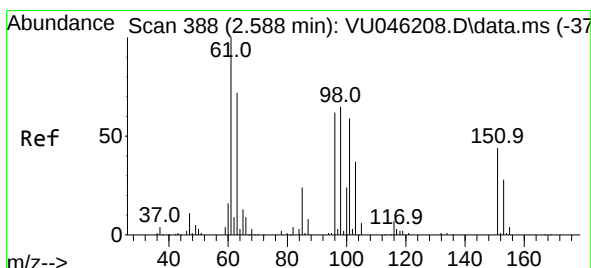
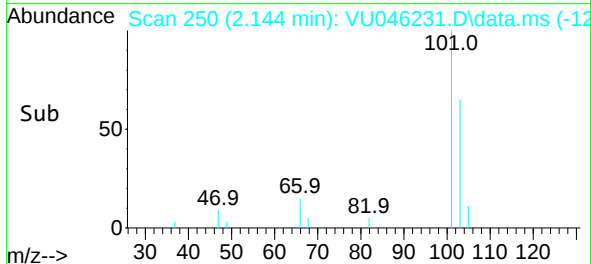
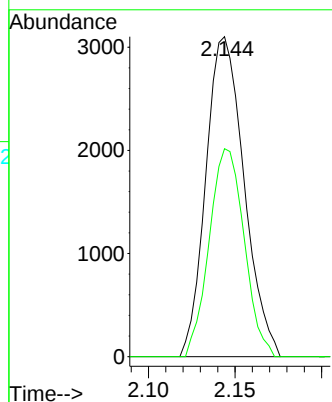
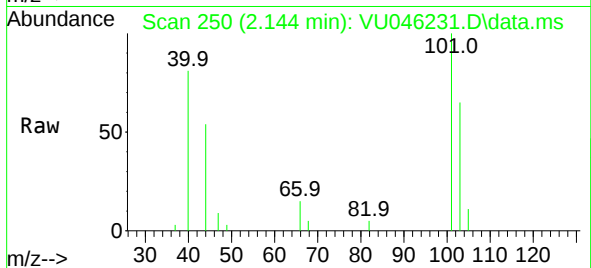
#9
 Trichlorofluoromethane
 Concen: 1.943 ug/L
 RT: 2.144 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU046231.D
 Acq: 09 Dec 2021 19:35

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P9

Tgt Ion:101 Resp: 4764
 Ion Ratio Lower Upper
 101 100
 103 59.4 51.8 77.6

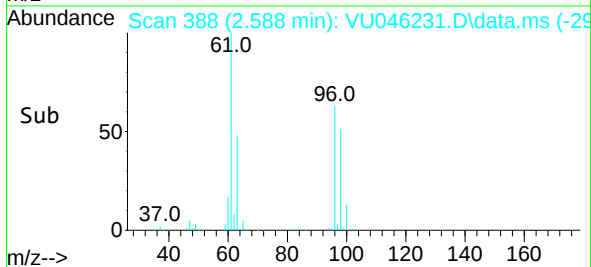
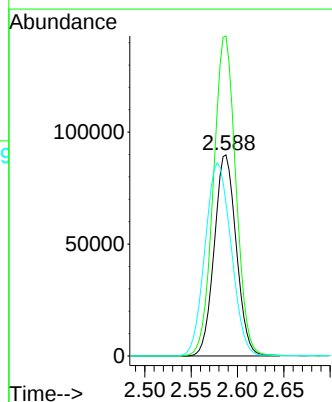
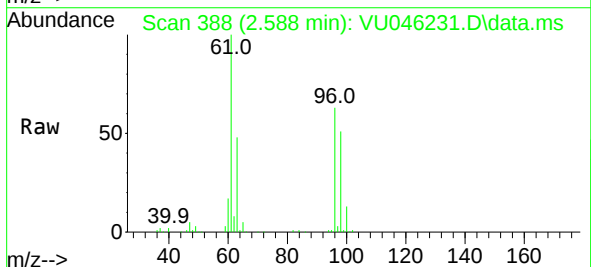
Manual Integrations
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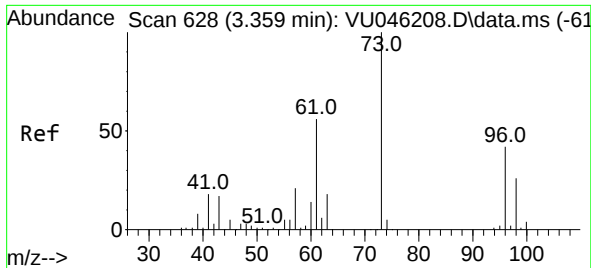
Reviewed By :Mahesh Dadoda 12/28/2021
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#12
 1,1-Dichloroethene
 Concen: 111.940 ug/L m
 RT: 2.588 min Scan# 388
 Delta R.T. 0.003 min
 Lab File: VU046231.D
 Acq: 09 Dec 2021 19:35

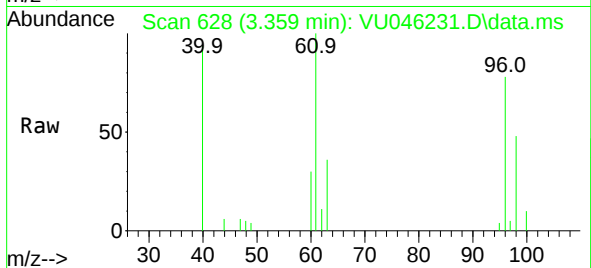
Tgt Ion: 96 Resp: 148166
 Ion Ratio Lower Upper
 96 100
 61 159.2 118.6 220.2
 63 76.2 93.0 172.8#





#17
trans-1,2-Dichloroethene
Concen: 3.205 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU046231.D
Acq: 09 Dec 2021 19:35

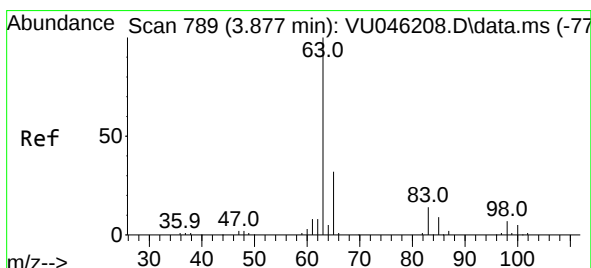
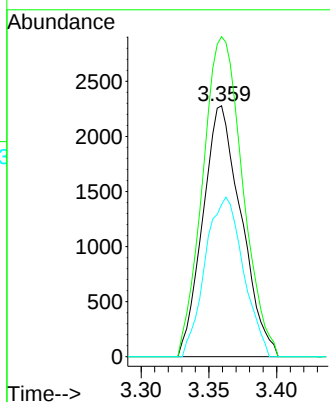
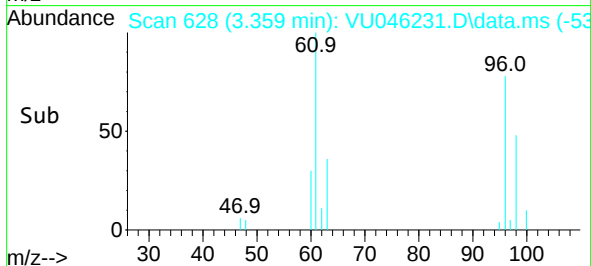
Instrument :
MSVOA_U
ClientSampleId :
EW5P9



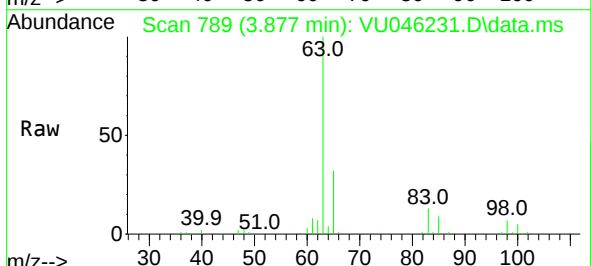
Tgt Ion: 96 Resp: 4490
Ion Ratio Lower Upper
96 100
61 127.6 94.6 175.6
98 60.7 44.0 81.8

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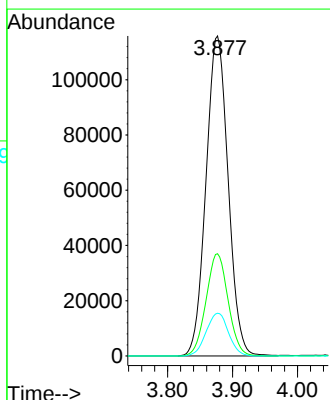
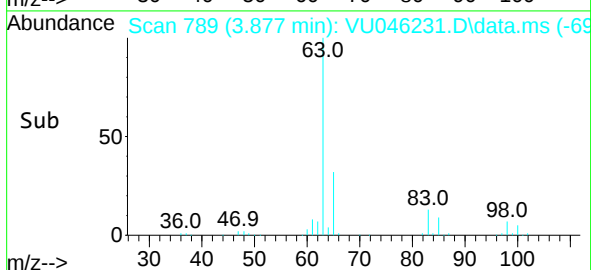
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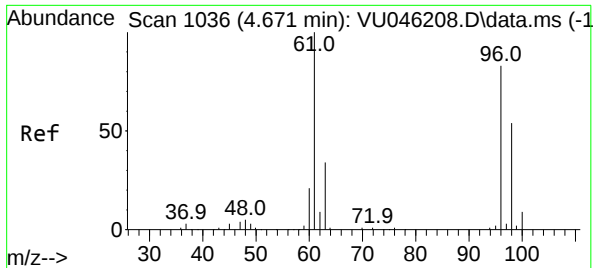


#19
1,1-Dichloroethane
Concen: 107.719 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.000 min
Lab File: VU046231.D
Acq: 09 Dec 2021 19:35



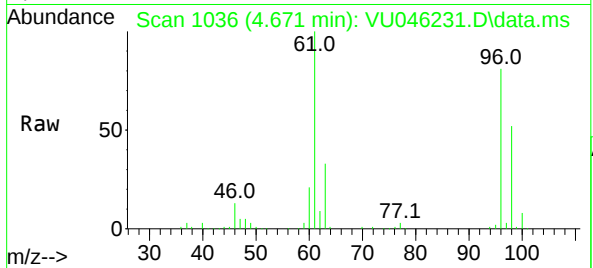
Tgt Ion: 63 Resp: 274343
Ion Ratio Lower Upper
63 100
65 32.0 22.8 42.4
83 13.3 9.6 17.8





#20
cis-1,2-Dichloroethene
Concen: 134.411 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU046231.D
Acq: 09 Dec 2021 19:35

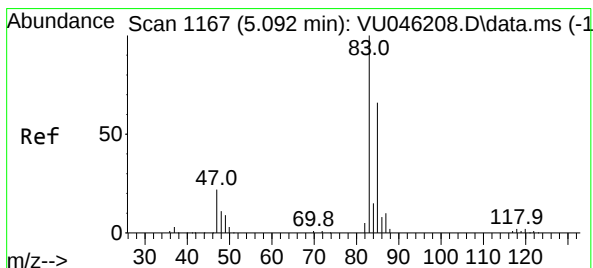
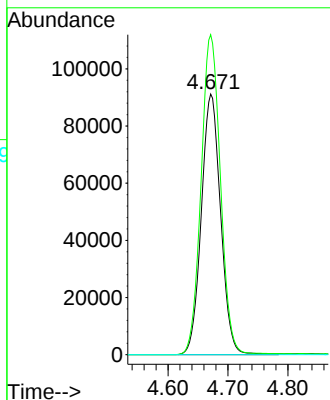
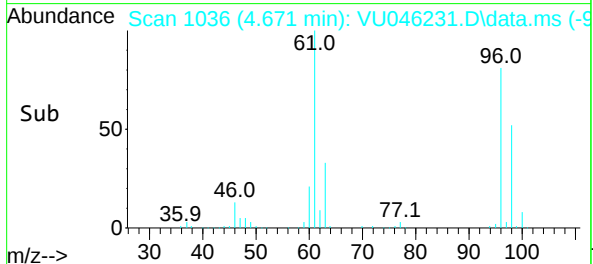
Instrument :
MSVOA_U
ClientSampleId :
EW5P9



Tgt Ion: 96 Resp: 204289
Ion Ratio Lower Upper
96 100
61 122.8 86.8 161.2
68 0.0 0.0 0.0

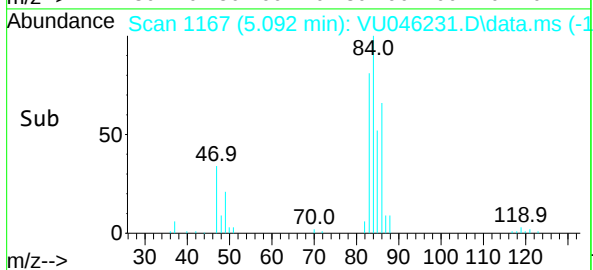
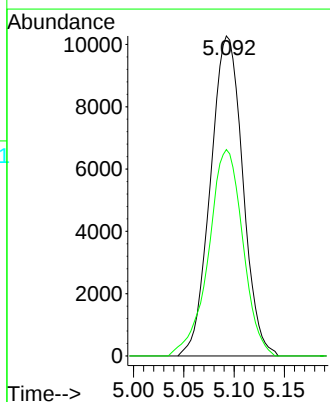
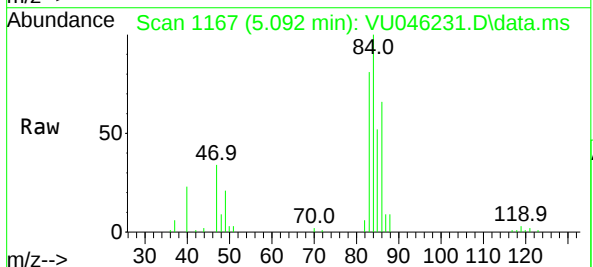
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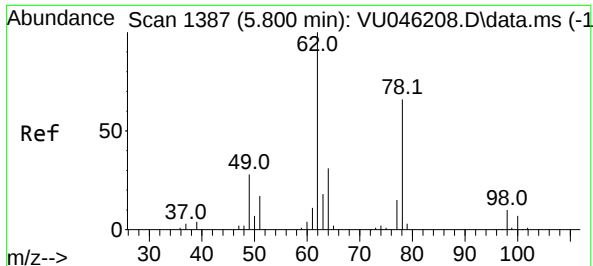
Reviewed By :Mahesh Dadoda 12/28/2021
Supervised By :Semsettin Yesilyurt 12/28/2021



#25
Chloroform
Concen: 8.102 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VU046231.D
Acq: 09 Dec 2021 19:35

Tgt Ion: 83 Resp: 22926
Ion Ratio Lower Upper
83 100
85 64.5 45.8 85.2





#27

1,2-Dichloroethane

Concen: 0.912 ug/L

RT: 5.803 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU046231.D

Acq: 09 Dec 2021 19:35

Instrument :

MSVOA_U

ClientSampleId :

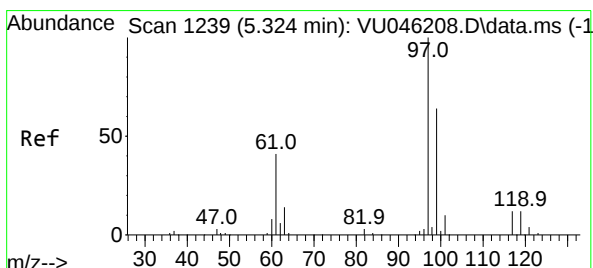
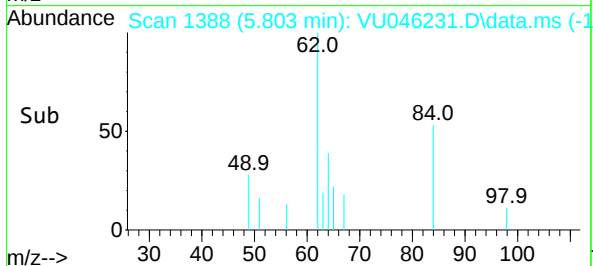
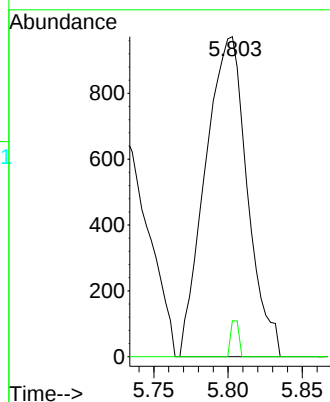
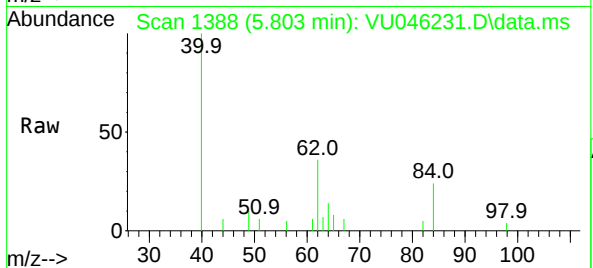
EW5P9

Tgt Ion: 62 Resp: 1914
 Ion Ratio Lower Upper
 62 100
 98 11.2 7.9 11.9

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#30

1,1,1-Trichloroethane

Concen: 336.657 ug/L

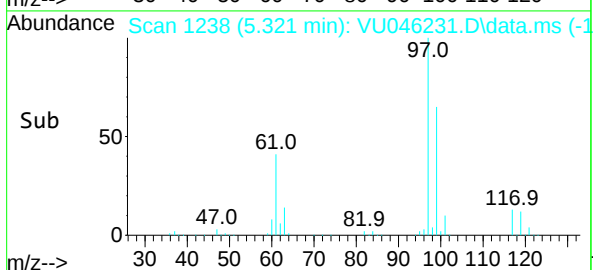
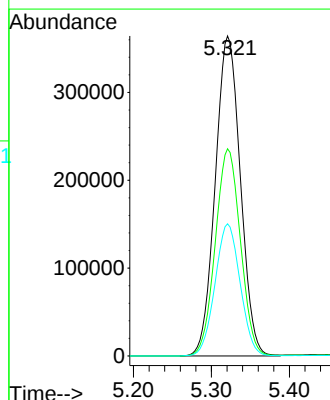
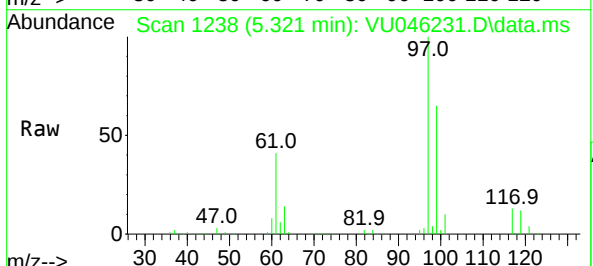
RT: 5.321 min Scan# 1238

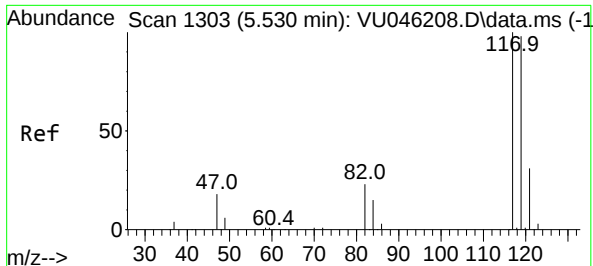
Delta R.T. -0.000 min

Lab File: VU046231.D

Acq: 09 Dec 2021 19:35

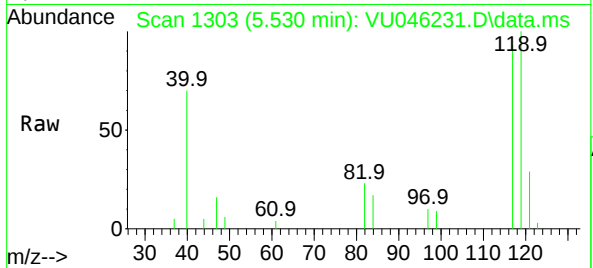
Tgt Ion: 97 Resp: 815782
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.8 77.6
 61 41.3 34.4 51.6





#31
Carbon tetrachloride
Concen: 4.264 ug/L
RT: 5.530 min Scan# 1177
Delta R.T. -0.000 min
Lab File: VU046231.D
Acq: 09 Dec 2021 19:35

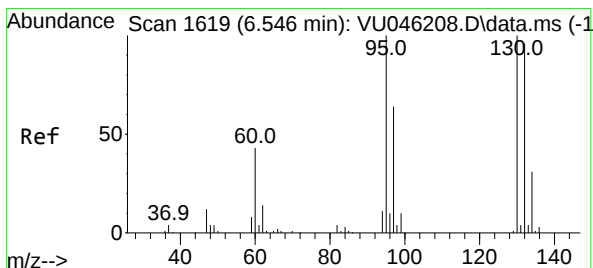
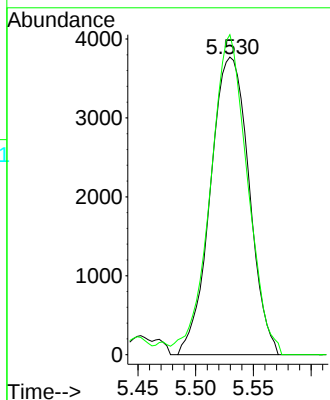
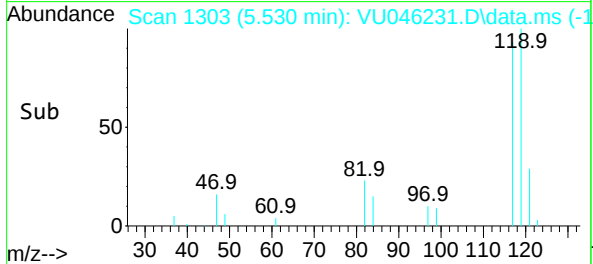
Instrument :
MSVOA_U
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EW5P9



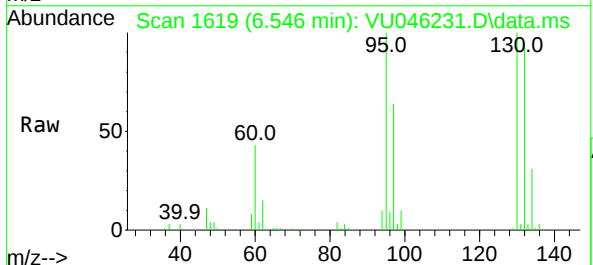
Tgt Ion: 117 Resp: 877
Ion Ratio Lower Upper
117 100
119 103.1 75.7 113.5

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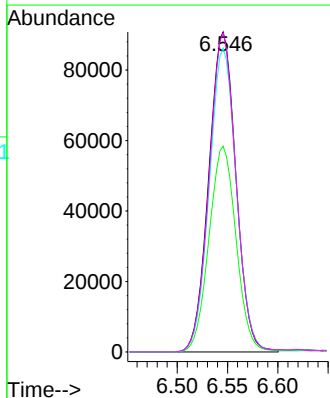
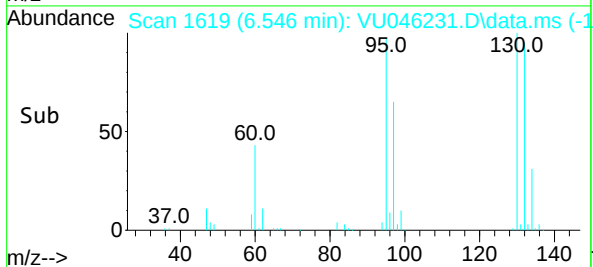
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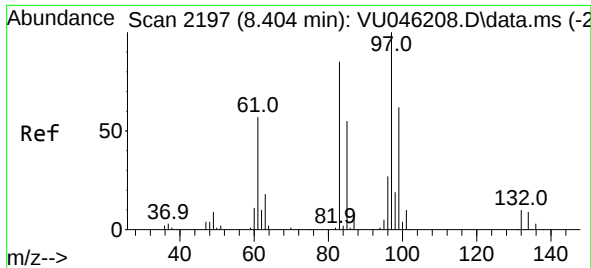


#34
Trichloroethene
Concen: 108.123 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046231.D
Acq: 09 Dec 2021 19:35



Tgt Ion: 95 Resp: 170186
Ion Ratio Lower Upper
95 100
97 64.3 44.1 81.9
132 95.0 66.8 124.0
130 99.7 69.0 128.1





#45

1,1,2-Trichloroethane

Concen: 2.323 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. -0.003 min

Lab File: VU046231.D

Acq: 09 Dec 2021 19:35

Instrument :

MSVOA_U

ClientSampleId :

EW5P9

Tgt Ion: 97 Resp: 364

Ion Ratio Lower Upper

97 100

99 64.2 44.7 82.9

83 77.6 60.2 111.8

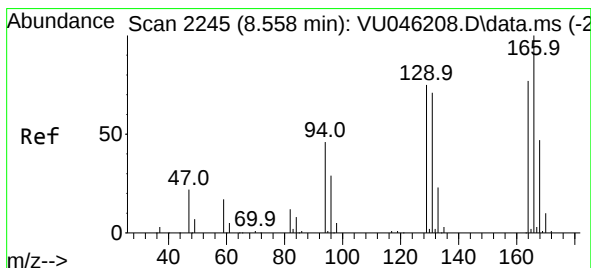
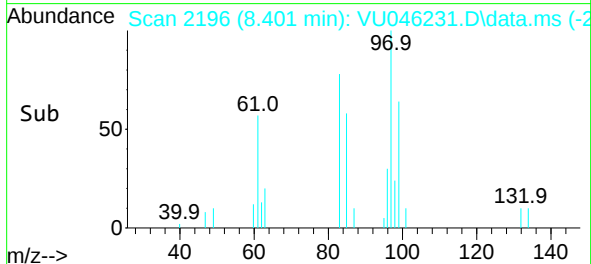
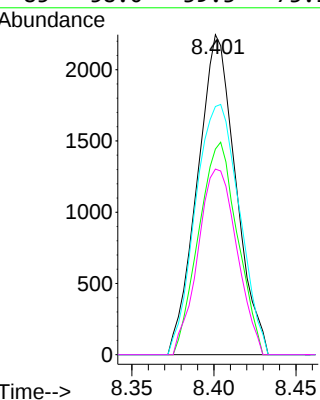
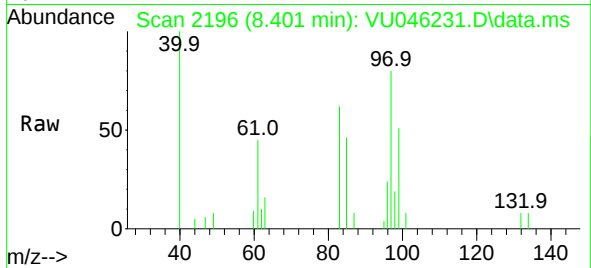
85 58.0 39.3 73.1

Manual Integrations

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#46

Tetrachloroethene

Concen: 77.452 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU046231.D

Acq: 09 Dec 2021 19:35

Tgt Ion:164 Resp: 89589

Ion Ratio Lower Upper

164 100

129 95.7 71.1 132.1

131 93.9 67.8 126.0

166 127.2 90.6 168.2

