

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046228.D
 Acq On : 09 Dec 2021 18:28
 Operator : SY/MD
 Sample : M4983-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P6

Quant Time: Dec 10 03:45:47 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	6.250	114	181830	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	190886	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	108270	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	77102	51.476	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 102.960%			
7) Chloroethane-d5	1.919	69	57061	49.618	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.240%			
11) 1,1-Dichloroethene-d2	2.575	63	112610	41.880	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 83.760%			
21) 2-Butanone-d5	4.639	46	126194	105.983	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 105.980%			
24) Chloroform-d	5.067	84	120874	48.325	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.640%			
26) 1,2-Dichloroethane-d4	5.706	65	86857	51.742	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.480%			
32) Benzene-d6	5.732	84	271236	49.576	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.160%			
36) 1,2-Dichloropropane-d6	6.693	67	84560	49.870	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.740%			
41) Toluene-d8	7.899	98	244006	48.983	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.960%			
43) trans-1,3-Dichloroprop...	8.179	79	42656	52.114	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 104.220%			
47) 2-Hexanone-d5	8.632	63	84105	104.615	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 104.620%			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	134458	52.289	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 104.580%			
66) 1,2-Dichlorobenzene-d4	12.195	152	104309	50.026	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.060%			
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	100874	56.540	ug/L	99
8) Chloroethane	1.938	64	156972	151.956	ug/L	98
9) Trichlorofluoromethane	2.144	101	2097	0.900	ug/L	92
12) 1,1-Dichloroethene	2.588	96	24443	19.442	ug/L #	60
13) Acetone	2.655	43	5084m	3.416	ug/L	
17) trans-1,2-Dichloroethene	3.362	96	10895	8.189	ug/L	97
19) 1,1-Dichloroethane	3.877	63	1120676	463.253	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	1445131	1001.009	ug/L	99
25) Chloroform	5.092	83	12958	4.821	ug/L	94
27) 1,2-Dichloroethane	5.800	62	5860	2.938	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	1340001	571.883	ug/L	99
33) Benzene	5.777	78	5257	0.910	ug/L	100
34) Trichloroethene	6.542	95	20217	13.283	ug/L	97
35) Methylcyclohexane	6.767	83	3519	1.491	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	2896	1.302	ug/L	94
42) Toluene	7.970	91	63745	10.283	ug/L	98
46) Tetrachloroethene	8.555	164	24540	21.940	ug/L	94
52) Ethylbenzene	9.571	91	20502	3.073	ug/L	95
53) m,p-Xylene	9.693	106	31478	12.098	ug/L	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046228.D
 Acq On : 09 Dec 2021 18:28
 Operator : SY/MD
 Sample : M4983-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P6

Manual Integrations
 APPROVED

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

Quant Time: Dec 10 03:45:47 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	10.102	106	70366	27.871	ug/L	95
62) 1,3,5-Trimethylbenzene	11.089	105	138335	23.560	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	157032	26.731	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	4945	1.467	ug/L	94

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

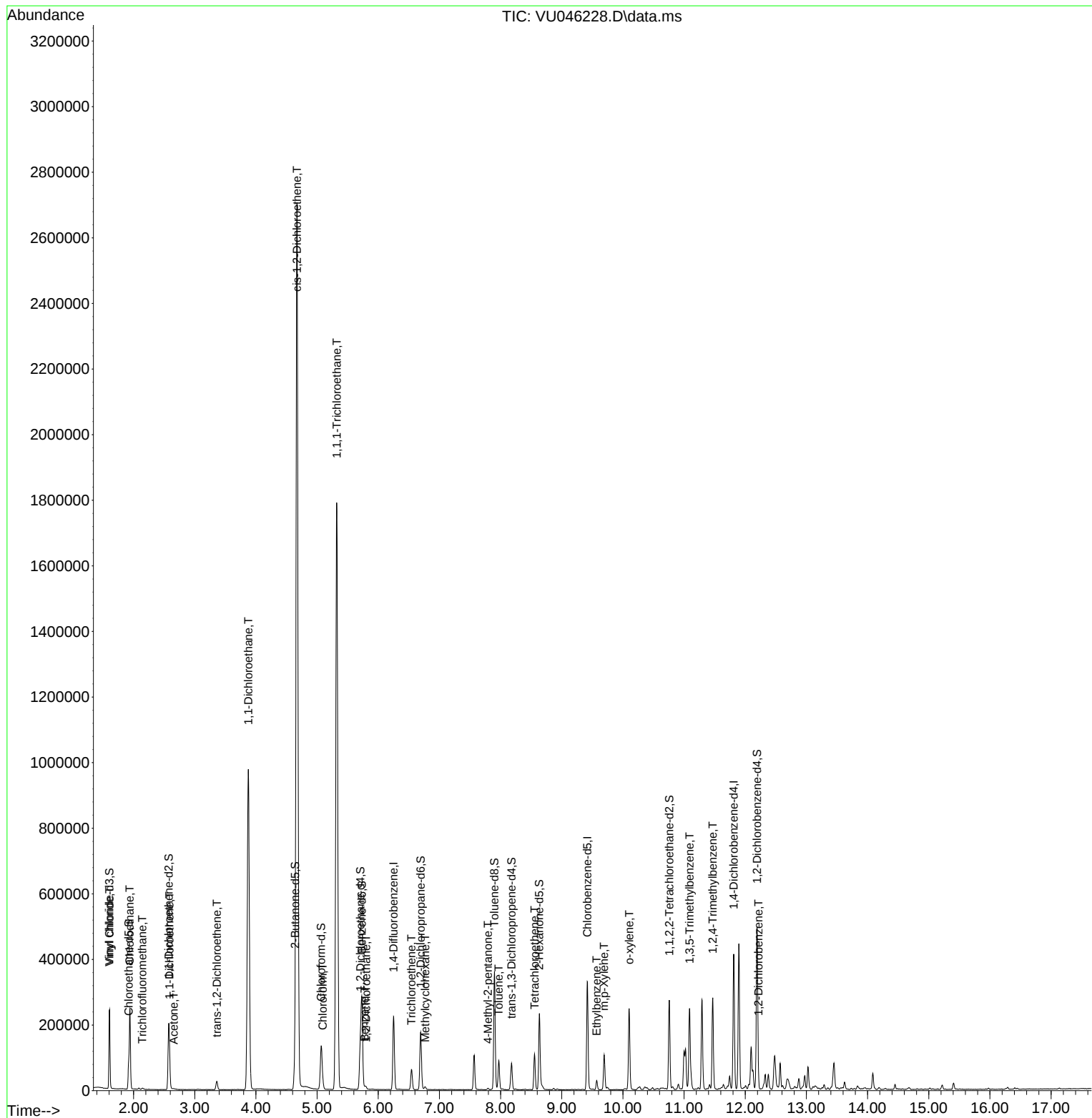
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
Data File : VU046228.D
Acq On : 09 Dec 2021 18:28
Operator : SY/MD
Sample : M4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

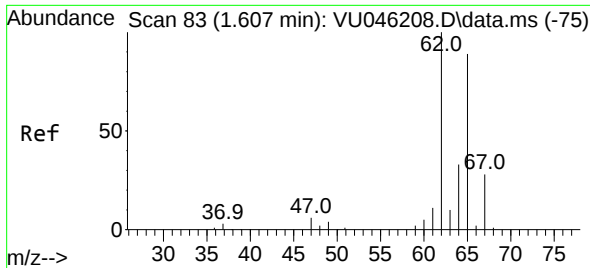
Instrument :
MSVOA_U
ClientSampleId :
EW5P6

Quant Time: Dec 10 03:45:47 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

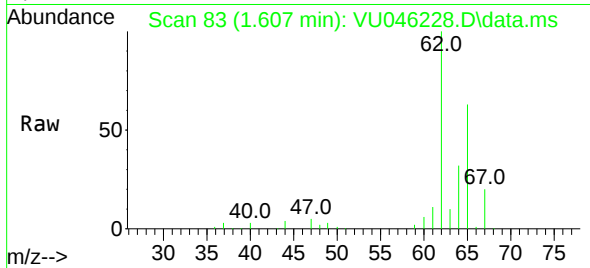
Reviewed By :Mahesh Dadoda 12/28/2021
Supervised By :Semsettin Yesilyurt 12/28/2021





#5
 Vinyl chloride
 Concen: 56.540 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046228.D
 Acq: 09 Dec 2021 18:28

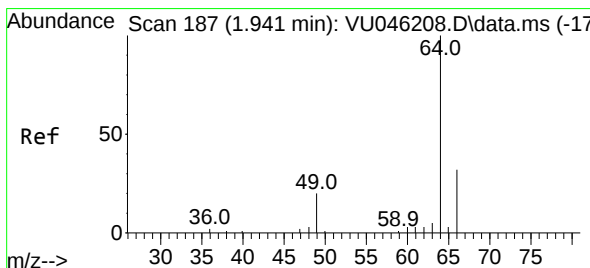
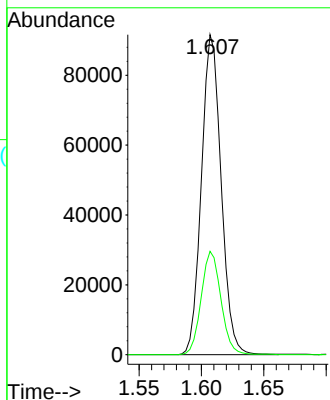
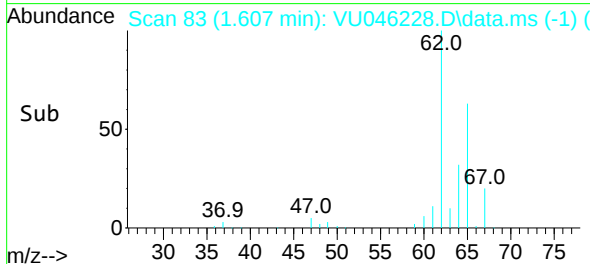
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P6



Tgt Ion: 62 Resp: 100874
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.9 42.5

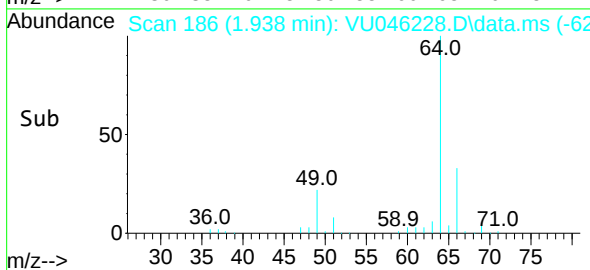
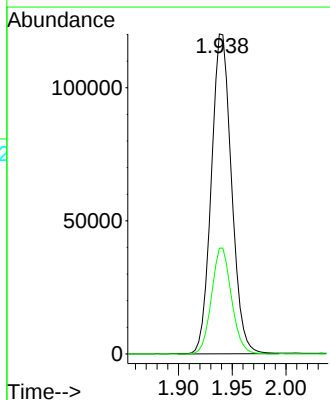
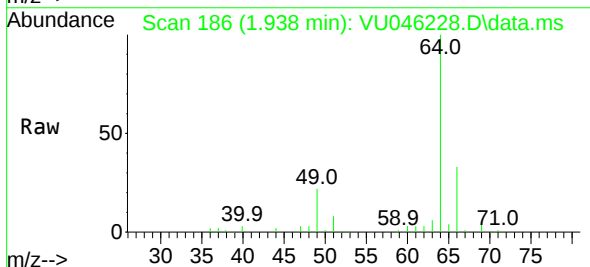
Manual Integrations
 APPROVED

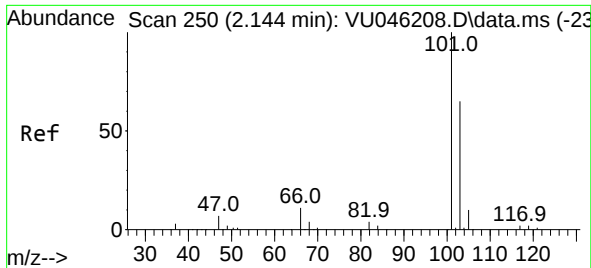
Reviewed By :Mahesh Dadoda 12/28/2021
 Supervised By :Semsettin Yesilyurt 12/28/2021



#8
 Chloroethane
 Concen: 151.956 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. -0.000 min
 Lab File: VU046228.D
 Acq: 09 Dec 2021 18:28

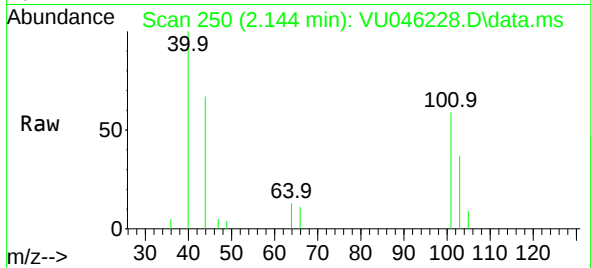
Tgt Ion: 64 Resp: 156972
 Ion Ratio Lower Upper
 64 100
 66 33.0 22.5 41.9





#9
 Trichlorofluoromethane
 Concen: 0.900 ug/L
 RT: 2.144 min Scan# 210
 Delta R.T. -0.000 min
 Lab File: VU046228.D
 Acq: 09 Dec 2021 18:28

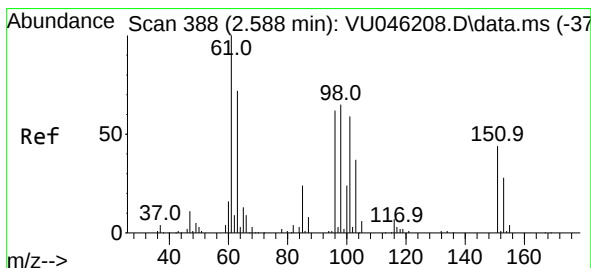
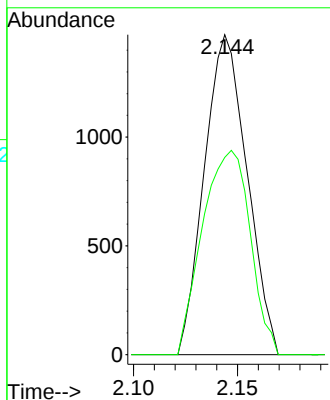
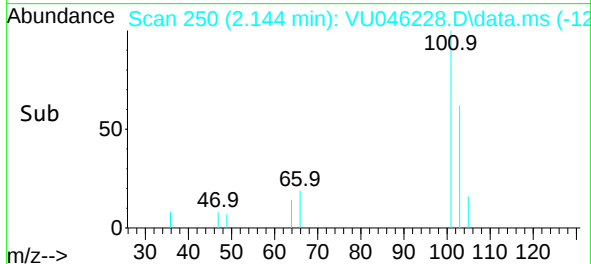
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P6



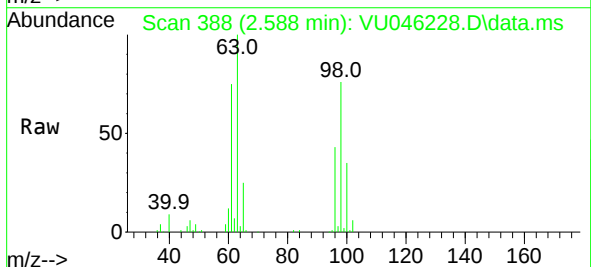
Tgt Ion:101 Resp: 209
 Ion Ratio Lower Upper
 101 100
 103 71.4 51.8 77.6

Manual Integrations
 APPROVED

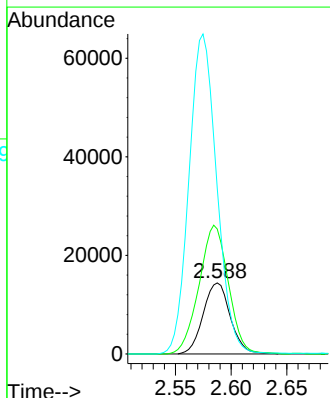
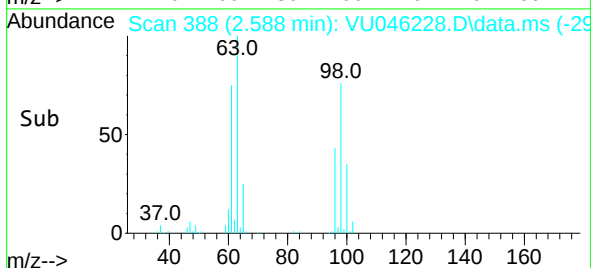
Reviewed By :Mahesh Dadoda 12/28/2021
 Supervised By :Semsettin Yesilyurt 12/28/2021

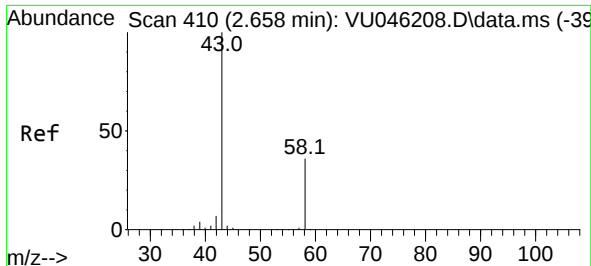


#12
 1,1-Dichloroethene
 Concen: 19.442 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.003 min
 Lab File: VU046228.D
 Acq: 09 Dec 2021 18:28



Tgt Ion: 96 Resp: 24443
 Ion Ratio Lower Upper
 96 100
 61 175.7 118.6 220.2
 63 233.2 93.0 172.8#





#13

Acetone

Concen: 3.416 ug/L m

RT: 2.655 min Scan# 409

Delta R.T. -0.007 min

Lab File: VU046228.D

Acq: 09 Dec 2021 18:28

Instrument :

MSVOA_U

ClientSampleId :

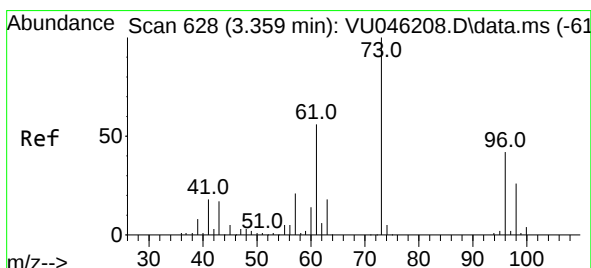
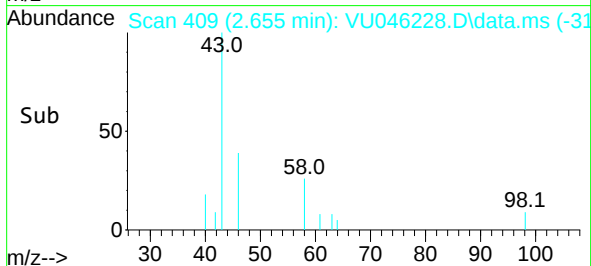
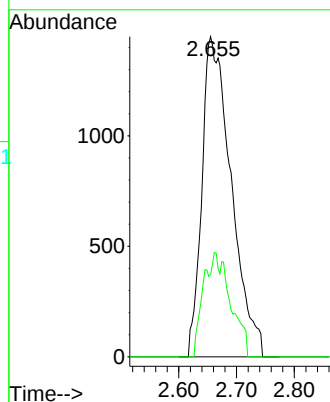
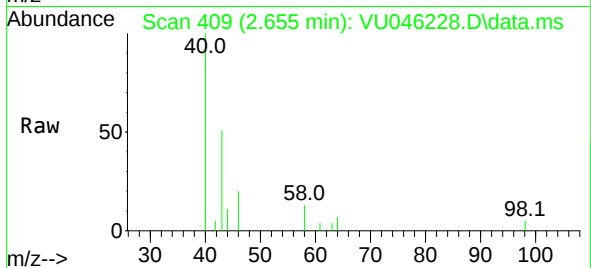
EW5P6

Tgt Ion: 43 Resp: 5084
 Ion Ratio Lower Upper
 43 100
 58 2.3 0.0 66.8

Manual Integrations

APPROVED

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



#17

trans-1,2-Dichloroethene

Concen: 8.189 ug/L

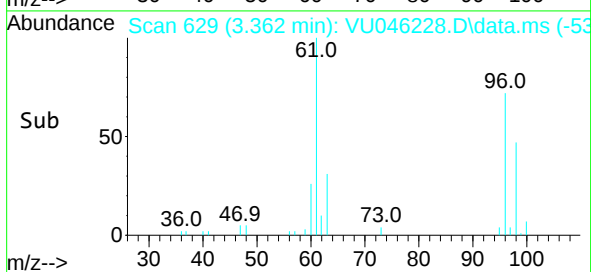
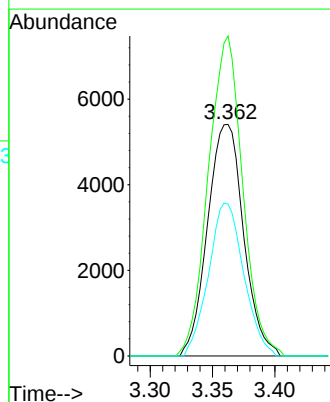
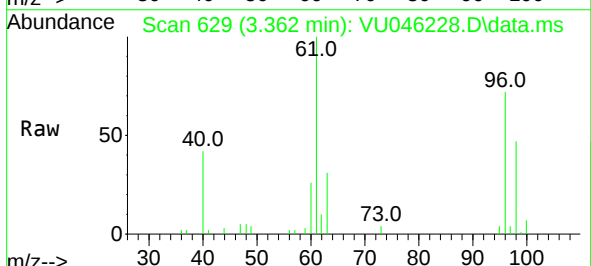
RT: 3.362 min Scan# 629

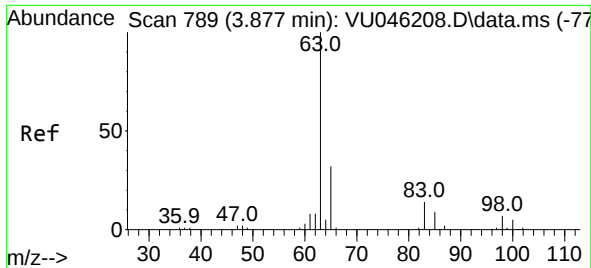
Delta R.T. 0.003 min

Lab File: VU046228.D

Acq: 09 Dec 2021 18:28

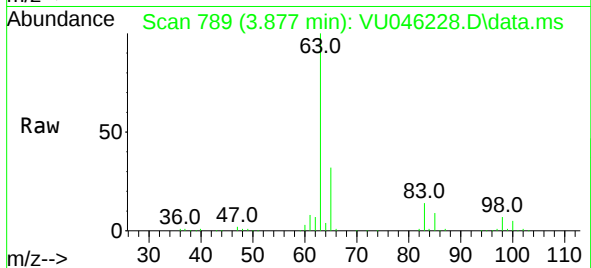
Tgt Ion: 96 Resp: 10895
 Ion Ratio Lower Upper
 96 100
 61 138.2 94.6 175.6
 98 65.6 44.0 81.8





#19
1,1-Dichloroethane
Concen: 463.253 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.000 min
Lab File: VU046228.D
Acq: 09 Dec 2021 18:28

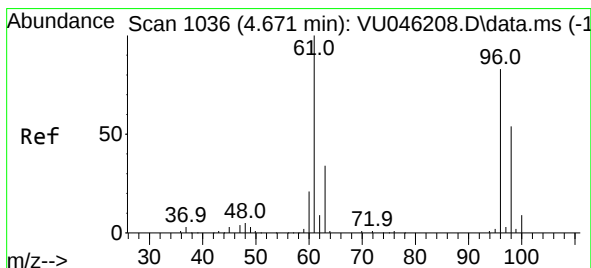
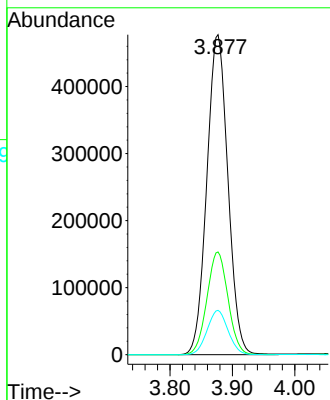
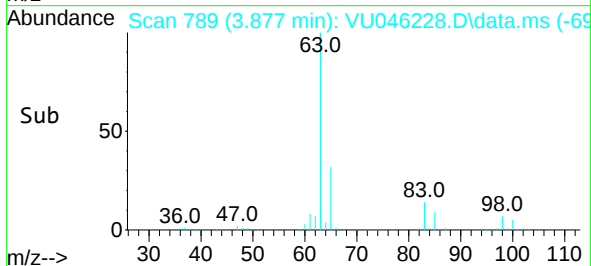
Instrument :
MSVOA_U
ClientSampleId :
EW5P6



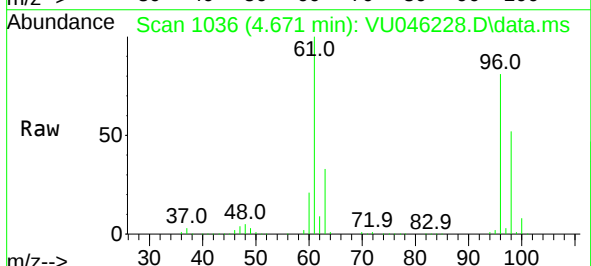
Tgt Ion: 63 Resp: 1120670
Ion Ratio Lower Upper
63 100
65 32.1 22.8 42.4
83 13.9 9.6 17.8

Manual Integrations
APPROVED

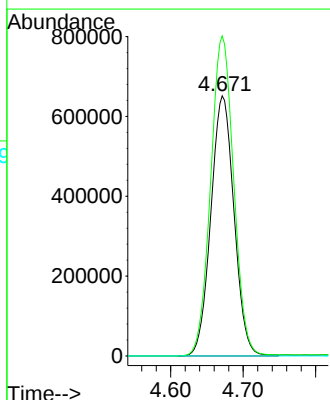
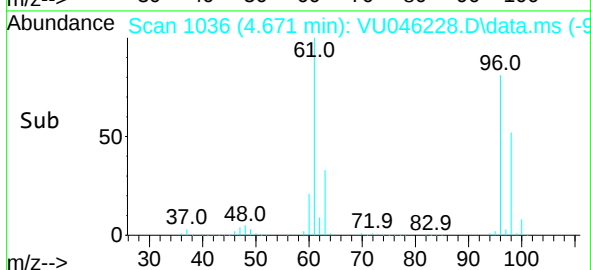
Reviewed By :Mahesh Dadoda 12/28/2021
Supervised By :Semsettin Yesilyurt 12/28/2021

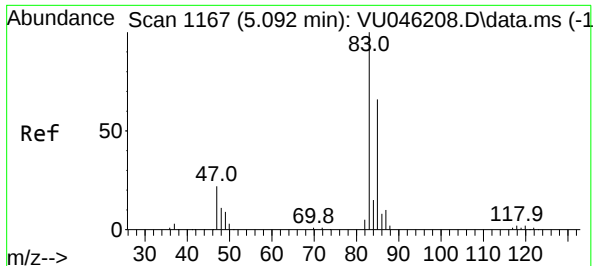


#20
cis-1,2-Dichloroethene
Concen: 1001.009 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU046228.D
Acq: 09 Dec 2021 18:28



Tgt Ion: 96 Resp: 1445131
Ion Ratio Lower Upper
96 100
61 123.0 86.8 161.2
68 0.0 0.0 0.0





#25

Chloroform

Concen: 4.821 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046228.D

Acq: 09 Dec 2021 18:28

Instrument :

MSVOA_U

ClientSampleId :

EW5P6

Tgt Ion: 83 Resp: 12958

Ion Ratio Lower Upper

83 100

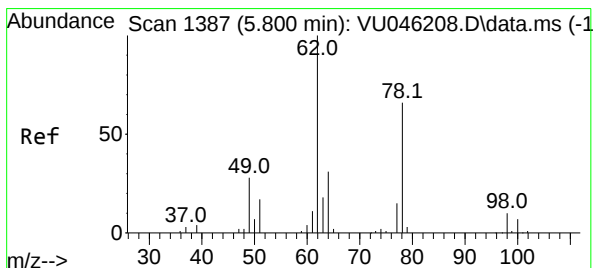
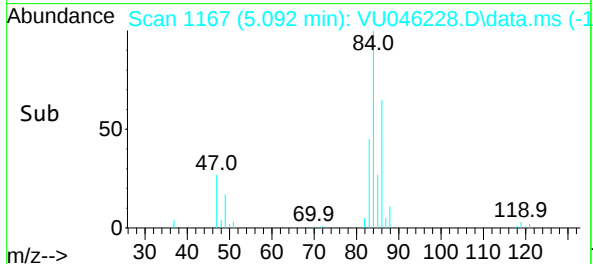
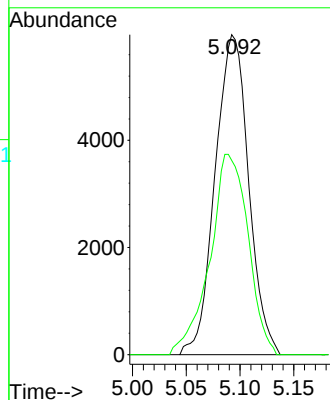
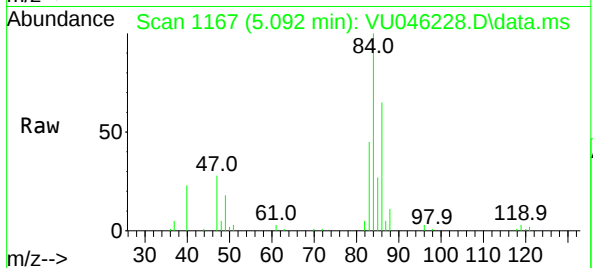
85 60.7 45.8 85.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/28/2021

Supervised By :Semsettin Yesilyurt 12/28/2021



#27

1,2-Dichloroethane

Concen: 2.938 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. -0.000 min

Lab File: VU046228.D

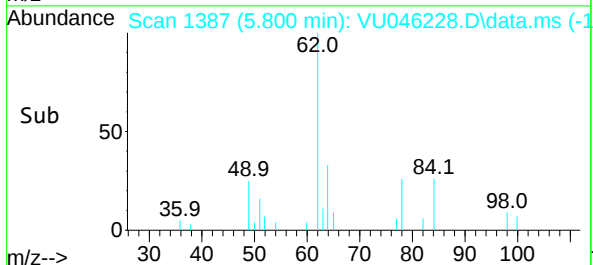
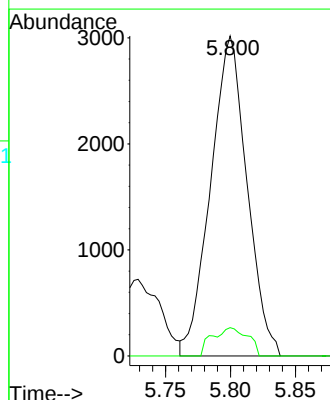
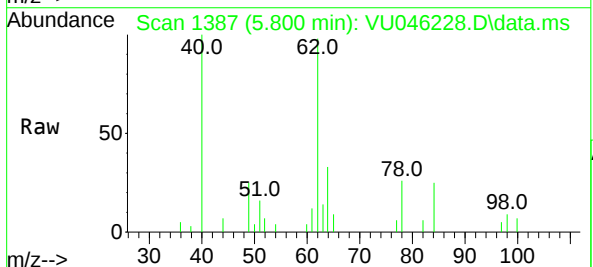
Acq: 09 Dec 2021 18:28

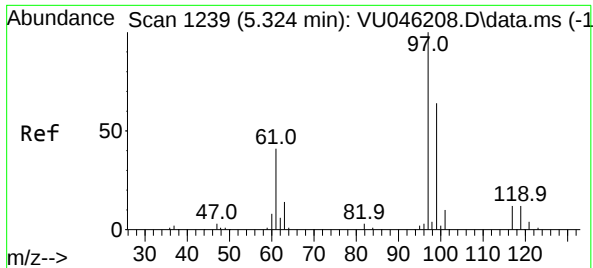
Tgt Ion: 62 Resp: 5860

Ion Ratio Lower Upper

62 100

98 8.8 7.9 11.9





#30

1,1,1-Trichloroethane

Concen: 571.883 ug/L

RT: 5.321 min Scan# 1380

Delta R.T. -0.000 min

Lab File: VU046228.D

Acq: 09 Dec 2021 18:28

Instrument :

MSVOA_U

ClientSampleId :

EW5P6

Tgt Ion: 97 Resp: 134000

Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.6

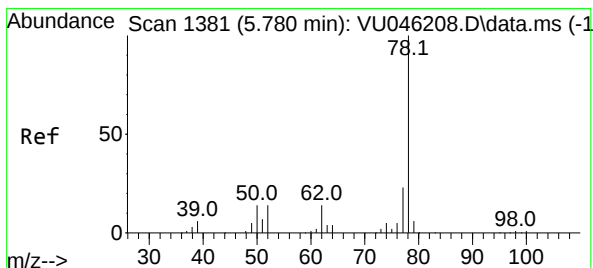
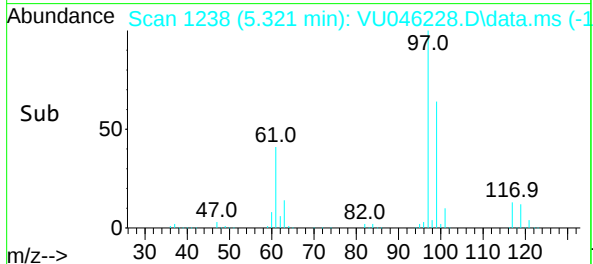
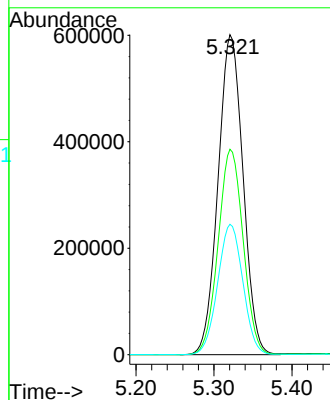
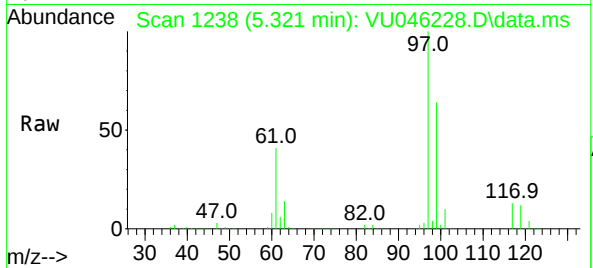
61 41.0 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/28/2021

Supervised By :Semsettin Yesilyurt 12/28/2021



#33

Benzene

Concen: 0.910 ug/L

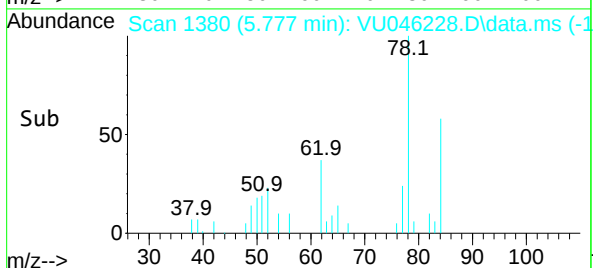
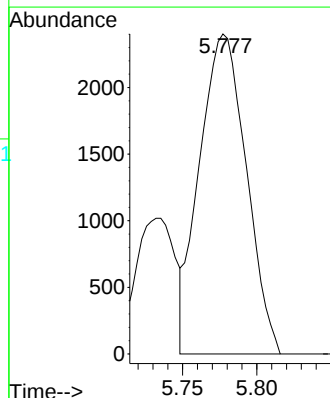
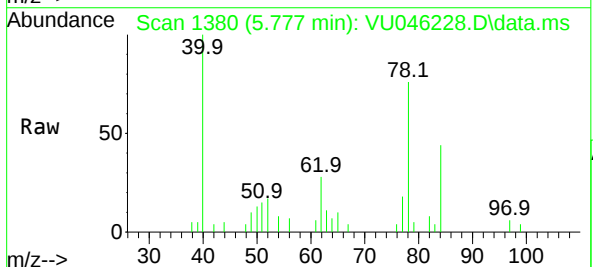
RT: 5.777 min Scan# 1380

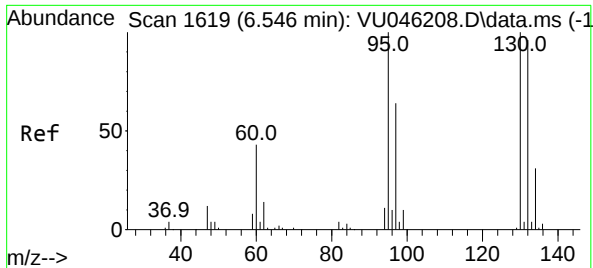
Delta R.T. -0.003 min

Lab File: VU046228.D

Acq: 09 Dec 2021 18:28

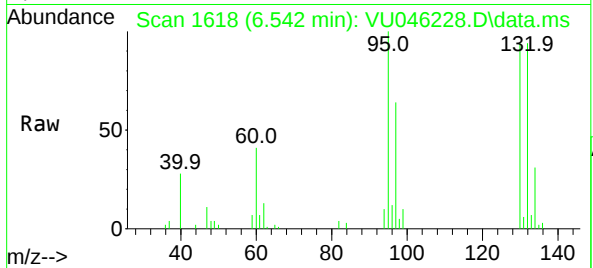
Tgt Ion: 78 Resp: 5257





#34
Trichloroethene
Concen: 13.283 ug/L
RT: 6.542 min Scan# 1619
Delta R.T. -0.003 min
Lab File: VU046228.D
Acq: 09 Dec 2021 18:28

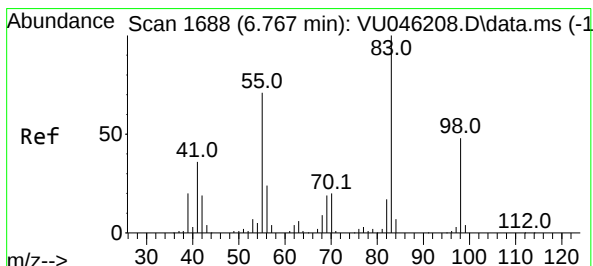
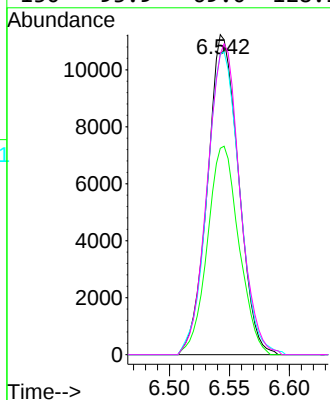
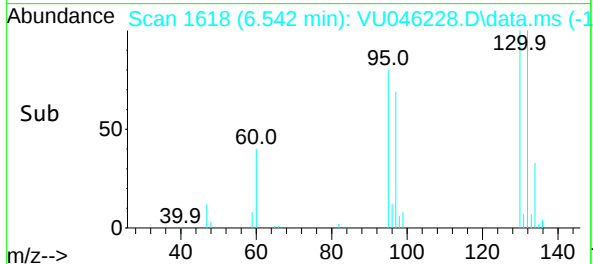
Instrument :
MSVOA_U
ClientSampleId :
EW5P6



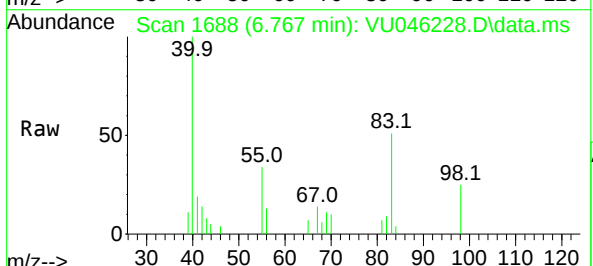
Tgt Ion: 95 Resp: 2021
Ion Ratio Lower Upper
95 100
97 64.5 44.1 81.9
132 93.9 66.8 124.0
130 93.9 69.0 128.1

Manual Integrations
APPROVED

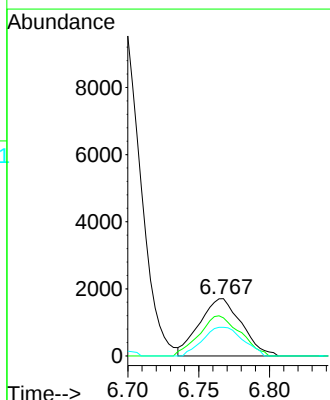
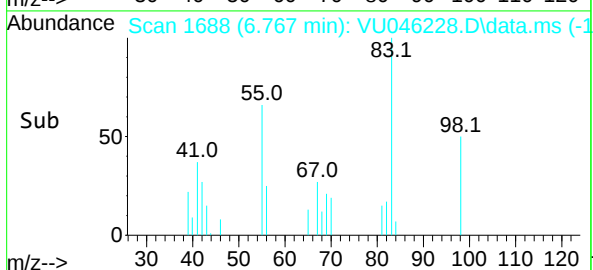
Reviewed By :Mahesh Dadoda 12/28/2021
Supervised By :Semsettin Yesilyurt 12/28/2021

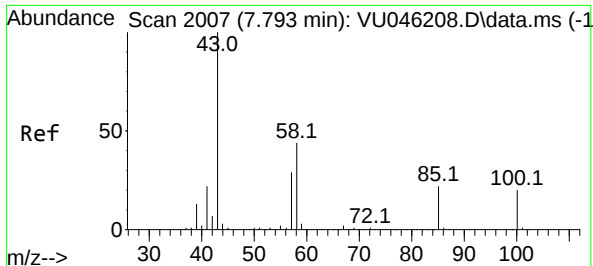


#35
Methylcyclohexane
Concen: 1.491 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU046228.D
Acq: 09 Dec 2021 18:28



Tgt Ion: 83 Resp: 3519
Ion Ratio Lower Upper
83 100
55 68.5 57.8 86.6
98 47.7 38.4 57.6





#40

4-Methyl-2-pentanone

Concen: 1.302 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046228.D

Acq: 09 Dec 2021 18:28

Instrument :

MSVOA_U

ClientSampleId :

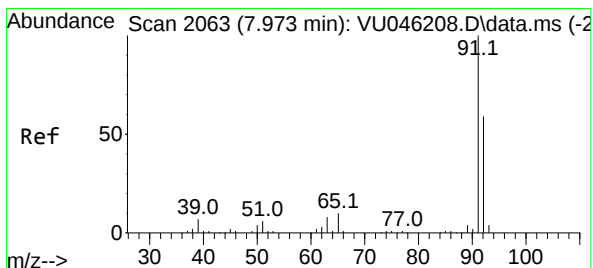
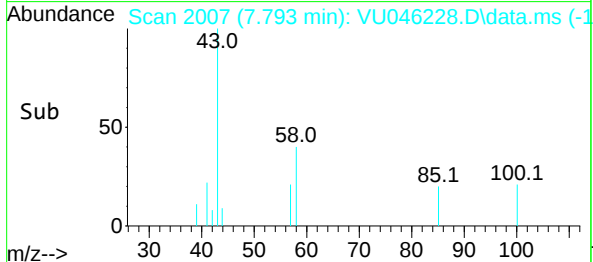
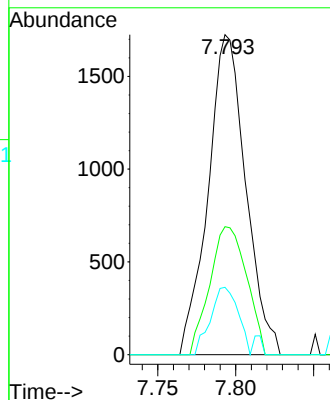
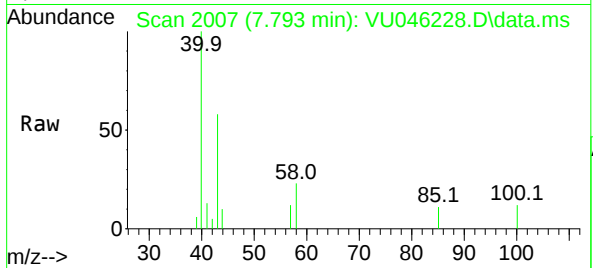
EW5P6

Tgt Ion: 43	Resp: 2890
Ion Ratio	Lower Upper
43 100	
58 39.2	34.2 51.4
100 15.5	14.5 21.7

Manual Integrations

APPROVED

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



#42

Toluene

Concen: 10.283 ug/L

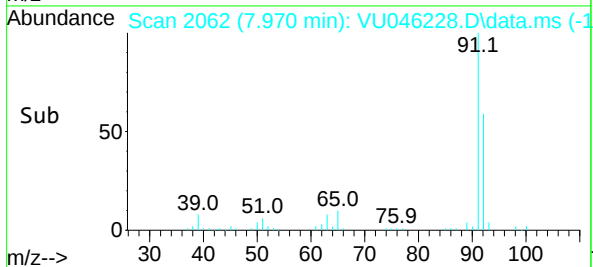
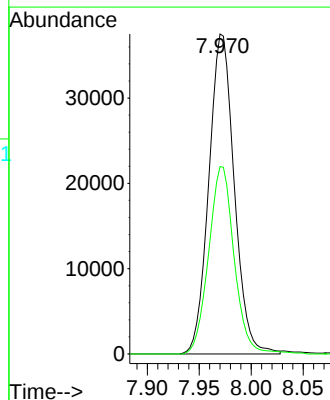
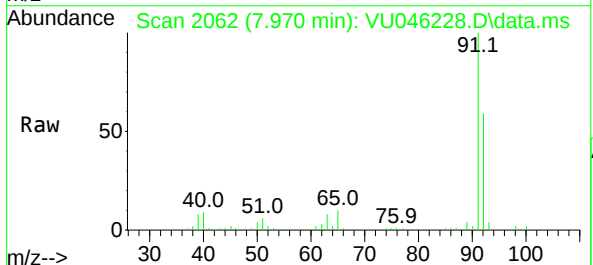
RT: 7.970 min Scan# 2062

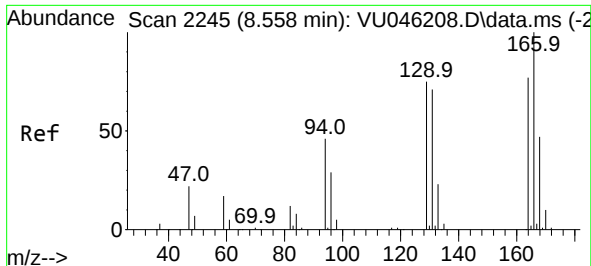
Delta R.T. -0.003 min

Lab File: VU046228.D

Acq: 09 Dec 2021 18:28

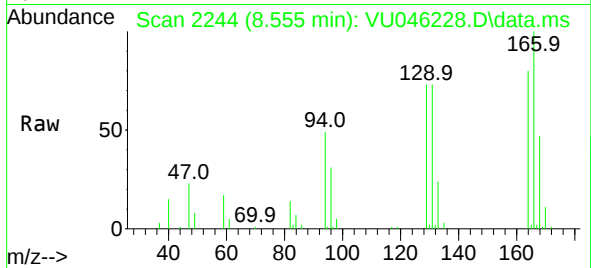
Tgt Ion: 91	Resp: 63745
Ion Ratio	Lower Upper
91 100	
92 58.5	41.9 77.7





#46
Tetrachloroethene
Concen: 21.940 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046228.D
Acq: 09 Dec 2021 18:28

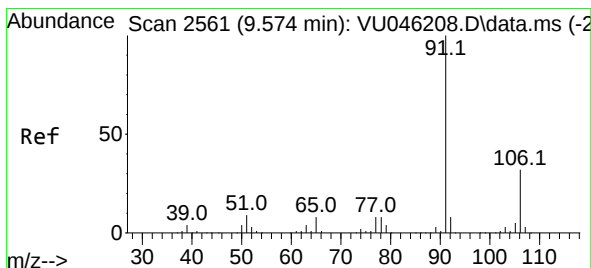
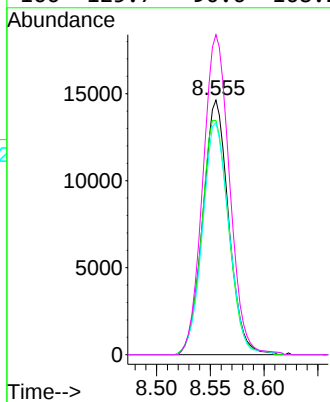
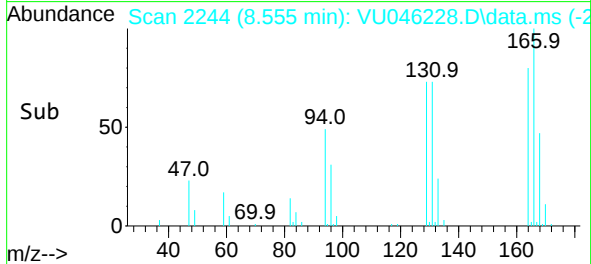
Instrument :
MSVOA_U
ClientSampleId :
EW5P6



Tgt Ion:164 Resp: 24540
Ion Ratio Lower Upper
164 100
129 92.0 71.1 132.1
131 91.2 67.8 126.0
166 125.7 90.6 168.2

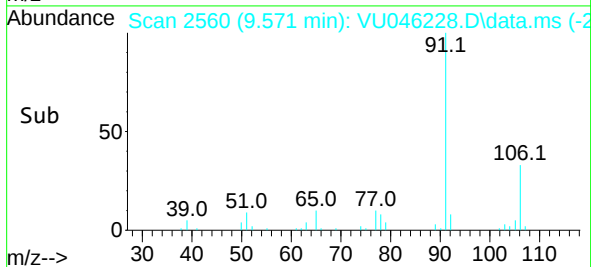
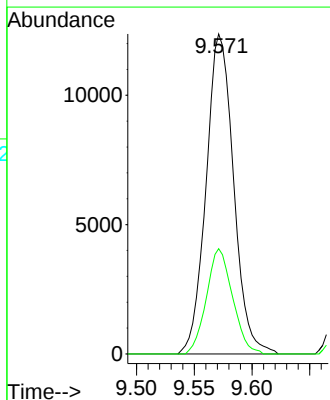
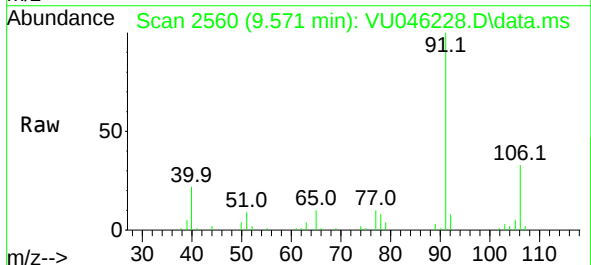
Manual Integrations
APPROVED

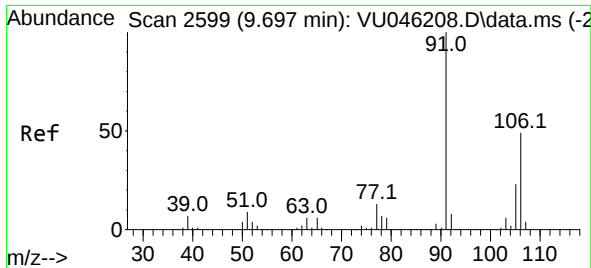
Reviewed By :Mahesh Dadoda 12/28/2021
Supervised By :Semsettin Yesilyurt 12/28/2021



#52
Ethylbenzene
Concen: 3.073 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046228.D
Acq: 09 Dec 2021 18:28

Tgt Ion: 91 Resp: 20502
Ion Ratio Lower Upper
91 100
106 32.9 21.1 39.3





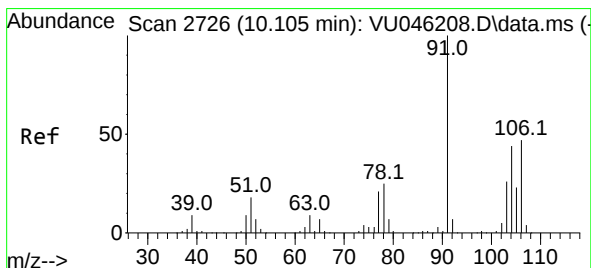
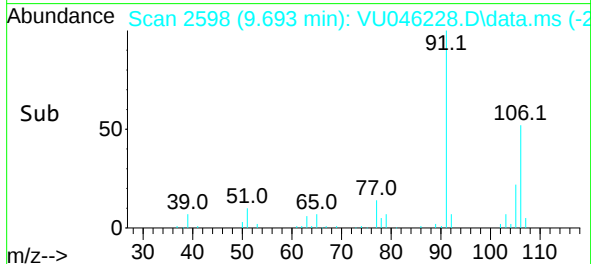
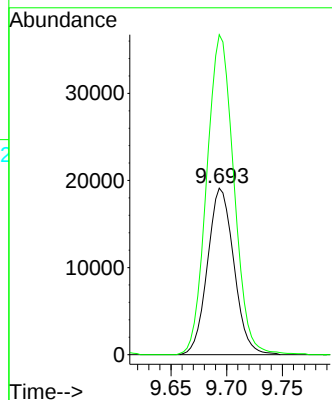
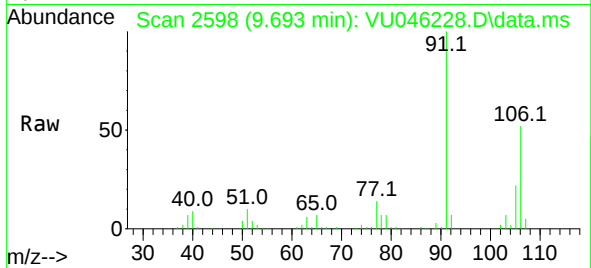
#53
m,p-Xylene
Concen: 12.098 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046228.D
Acq: 09 Dec 2021 18:28

Instrument :
MSVOA_U
ClientSampleId :
EW5P6

Tgt Ion:106 Resp: 31478
Ion Ratio Lower Upper
106 100
91 192.1 144.3 268.1

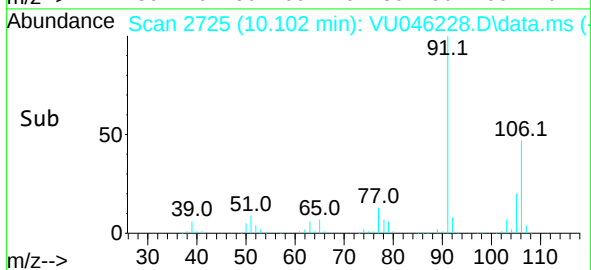
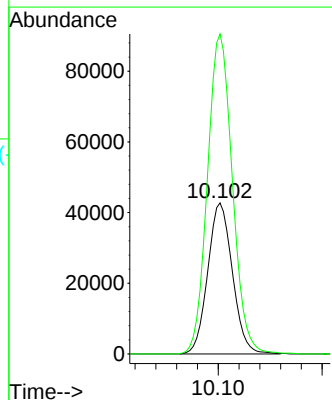
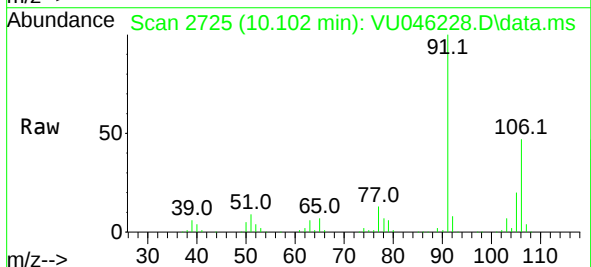
Manual Integrations
APPROVED

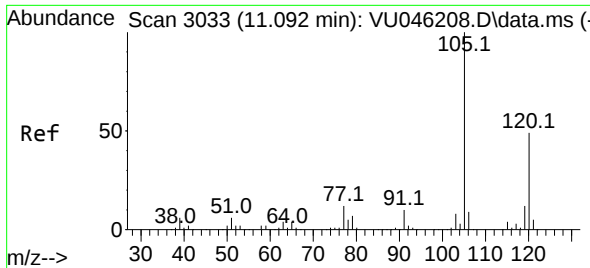
Reviewed By :Mahesh Dadoda 12/28/2021
Supervised By :Semsettin Yesilyurt 12/28/2021



#54
o-xylene
Concen: 27.871 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046228.D
Acq: 09 Dec 2021 18:28

Tgt Ion:106 Resp: 70366
Ion Ratio Lower Upper
106 100
91 211.9 154.2 286.4





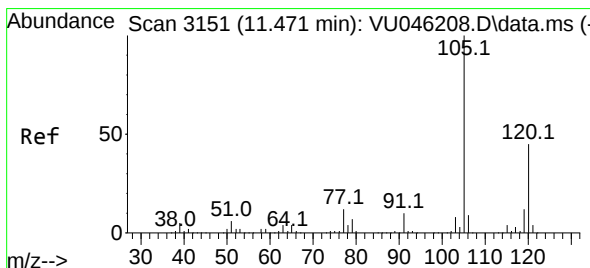
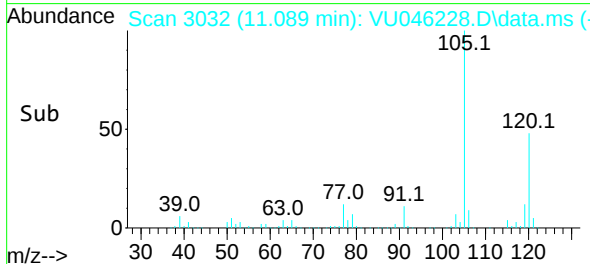
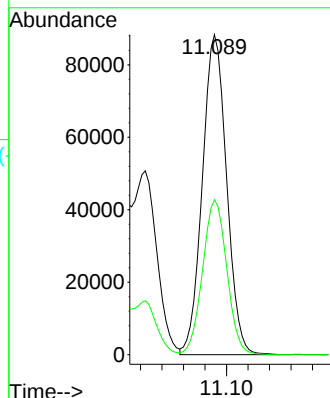
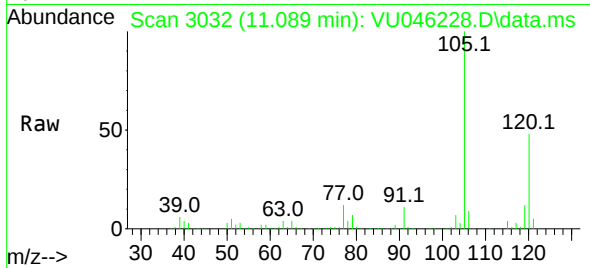
#62
1,3,5-Trimethylbenzene
Concen: 23.560 ug/L
RT: 11.089 min Scan# 3033
Delta R.T. -0.003 min
Lab File: VU046228.D
Acq: 09 Dec 2021 18:28

Instrument :
MSVOA_U
ClientSampleId :
EW5P6

Tgt Ion:105 Resp: 13833
Ion Ratio Lower Upper
105 100
120 48.4 37.8 56.6

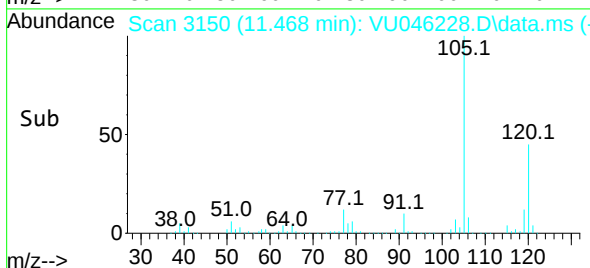
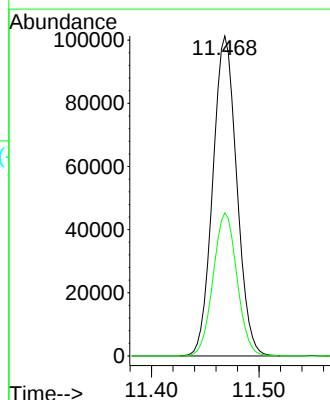
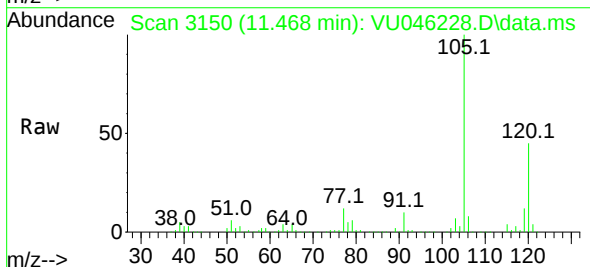
Manual Integrations
APPROVED

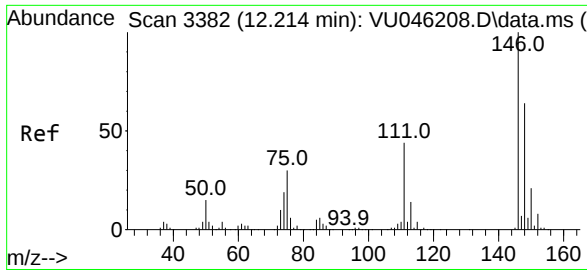
Reviewed By :Mahesh Dadoda 12/28/2021
Supervised By :Semsettin Yesilyurt 12/28/2021



#63
1,2,4-Trimethylbenzene
Concen: 26.731 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU046228.D
Acq: 09 Dec 2021 18:28

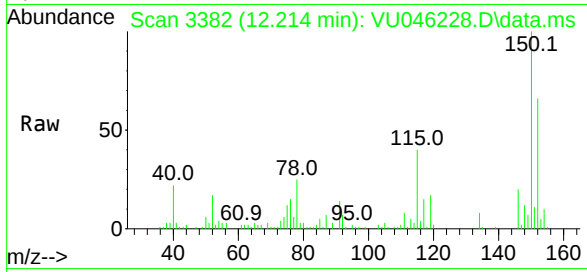
Tgt Ion:105 Resp: 157032
Ion Ratio Lower Upper
105 100
120 44.5 35.2 52.8





#67
 1,2-Dichlorobenzene
 Concen: 1.467 ug/L
 RT: 12.214 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU046228.D
 Acq: 09 Dec 2021 18:28

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P6



Tgt Ion:146 Resp: 4949
 Ion Ratio Lower Upper
 146 100
 111 40.8 35.7 53.5
 148 59.1 51.2 76.8

Manual Integrations
 APPROVED

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

