

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
 Data File : VU046400.D
 Acq On : 15 Dec 2021 16:42
 Operator : SY/MD
 Sample : M5062-05ME
 Misc : 6.74g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGL04ME

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/16/2021
 Supervised By : Mahesh Dadoda 12/18/2021

Quant Time: Dec 16 03:11:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 16 02:25:11 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	164175	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	169653	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	81568	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	34342	25.394	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	50.780%#	
7) Chloroethane-d5	1.916	69	25941m	24.983	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	49.960%#	
11) 1,1-Dichloroethene-d2	2.549	63	36856	15.181	ug/L	-0.03
Spiked Amount	50.000	Range 60 - 125	Recovery	=	30.360%#	
21) 2-Butanone-d5	4.655	46	78923	73.411	ug/L	0.01
Spiked Amount	100.000	Range 40 - 130	Recovery	=	73.410%	
24) Chloroform-d	5.067	84	75235	33.313	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	66.620%#	
26) 1,2-Dichloroethane-d4	5.703	65	53590	35.358	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	70.720%	
32) Benzene-d6	5.723	84	137071	28.189	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	56.380%#	
36) 1,2-Dichloropropane-d6	6.690	67	47444	31.483	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	62.960%#	
41) Toluene-d8	7.899	98	118011	26.655	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	53.320%#	
43) trans-1,3-Dichloroprop...	8.186	79	22874	31.443	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	62.880%	
47) 2-Hexanone-d5	8.690	63	61147	85.578	ug/L	0.05
Spiked Amount	100.000	Range 45 - 130	Recovery	=	85.580%	
56) 1,1,2,2-Tetrachloroeth...	10.774	84	82913	36.279	ug/L	0.02
Spiked Amount	50.000	Range 65 - 120	Recovery	=	72.560%	
66) 1,2-Dichlorobenzene-d4	12.201	152	51739	32.937	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	65.880%#	
Target Compounds						
12) 1,1-Dichloroethene	2.559	96	952	0.839	ug/L #	1
19) 1,1-Dichloroethane	3.864	63	17267	7.905	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	852	0.654	ug/L	92
22) 2-Butanone	4.739	43	11491m	7.856	ug/L	
30) 1,1,1-Trichloroethane	5.314	97	418227	200.829	ug/L	100
34) Trichloroethene	6.543	95	28161	20.818	ug/L	96
42) Toluene	7.973	91	22285	4.045	ug/L	95
46) Tetrachloroethene	8.555	164	200900	202.097	ug/L	99

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

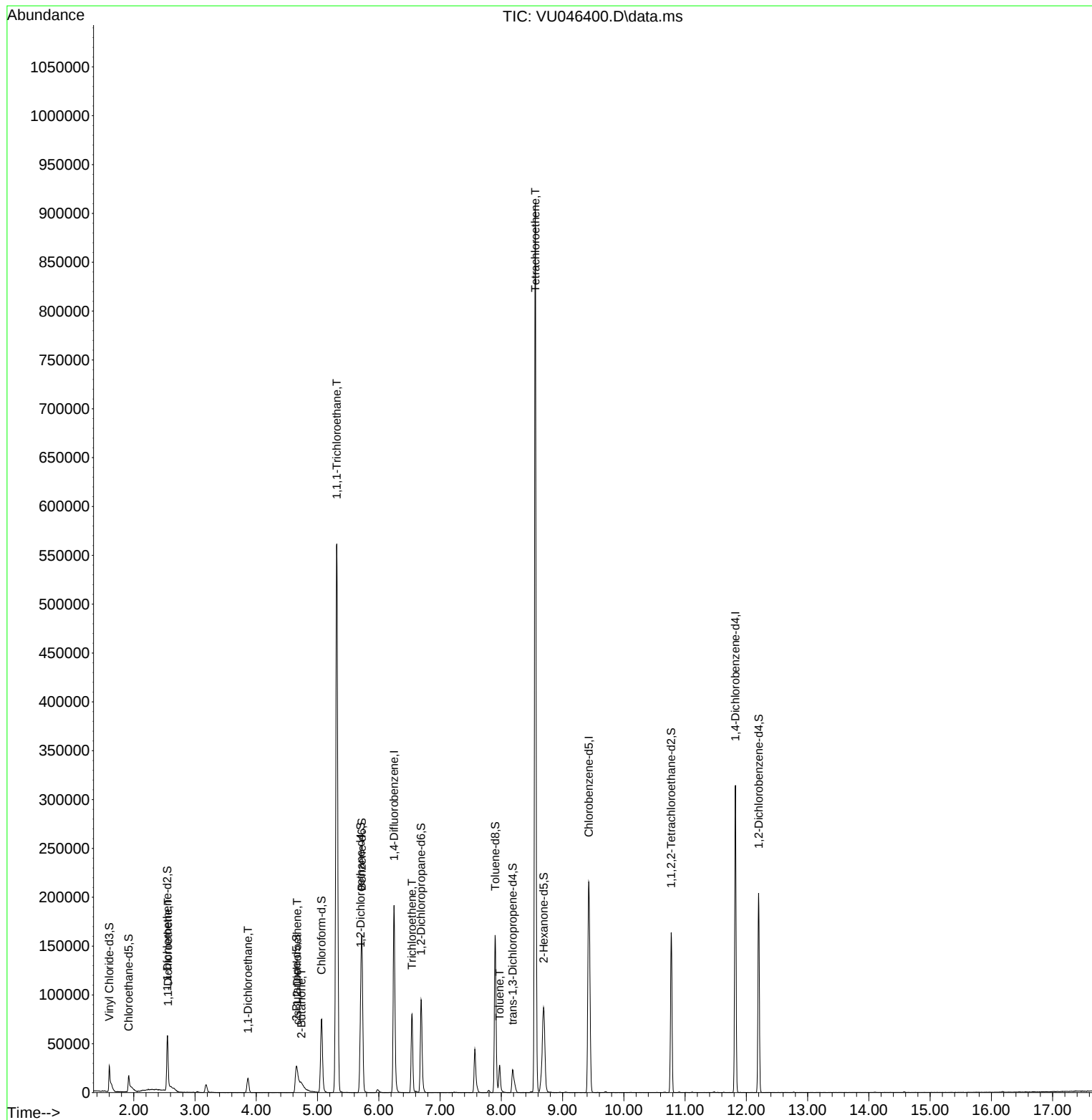
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
Data File : VU046400.D
Acq On : 15 Dec 2021 16:42
Operator : SY/MD
Sample : M5062-05ME
Misc : 6.74g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

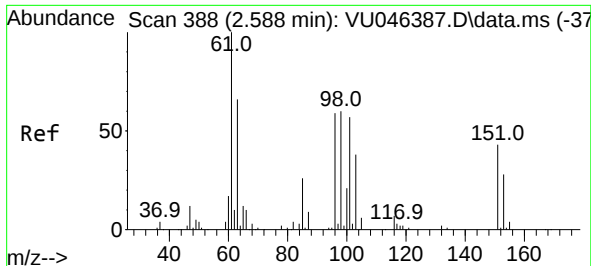
Instrument :
MSVOA_U
ClientSampleId :
BGL04ME

Quant Time: Dec 16 03:11:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 16 02:25:11 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/16/2021
Supervised By :Mahesh Dadoda 12/18/2021





#12

1,1-Dichloroethene

Concen: 0.839 ug/L

RT: 2.559 min Scan# 31

Delta R.T. -0.029 min

Lab File: VU046400.D

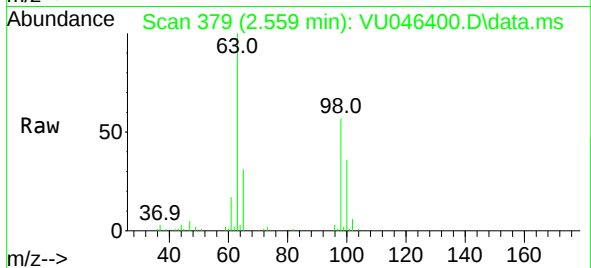
Acq: 15 Dec 2021 16:42

Instrument :

MSVOA_U

ClientSampleId :

BGL04ME



Tgt Ion: 96 Resp: 952

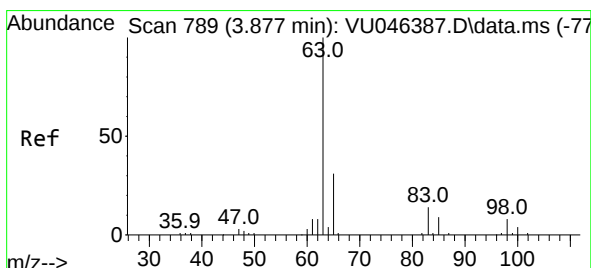
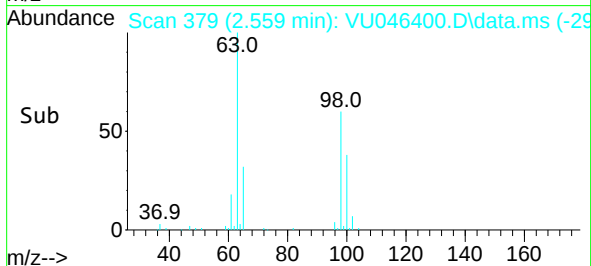
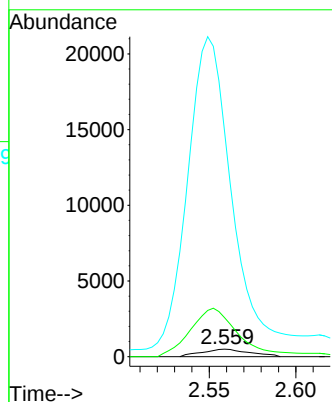
Ion	Ratio	Lower	Upper
96	100		
61	515.6	118.6	220.2
63	2975.0	93.0	172.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021

Supervised By :Mahesh Dadoda 12/18/2021



#19

1,1-Dichloroethane

Concen: 7.905 ug/L

RT: 3.864 min Scan# 785

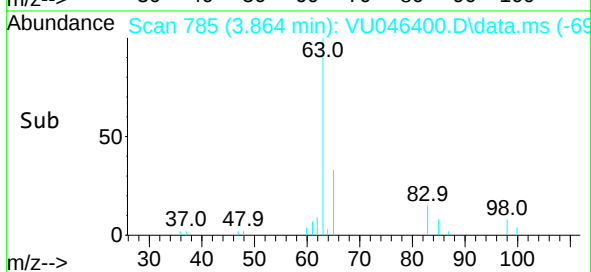
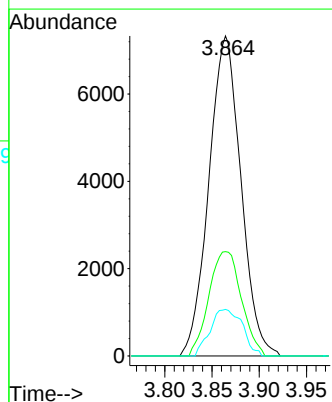
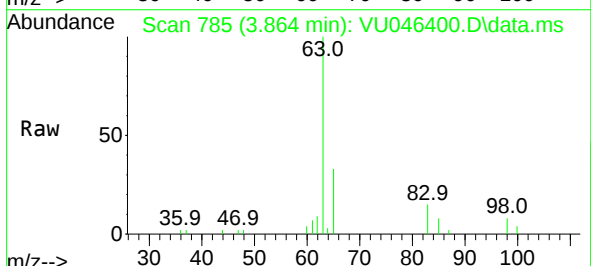
Delta R.T. -0.013 min

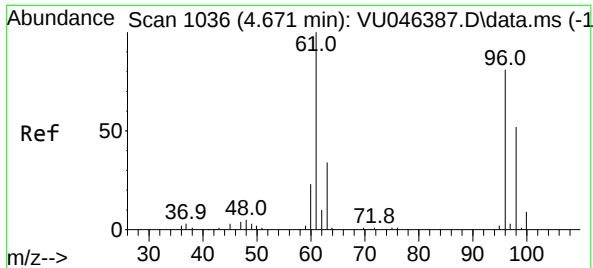
Lab File: VU046400.D

Acq: 15 Dec 2021 16:42

Tgt Ion: 63 Resp: 17267

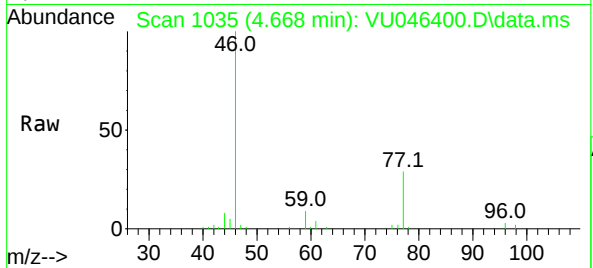
Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.8	42.4
83	14.5	9.6	17.8





#20
 cis-1,2-Dichloroethene
 Concen: 0.654 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. -0.003 min
 Lab File: VU046400.D
 Acq: 15 Dec 2021 16:42

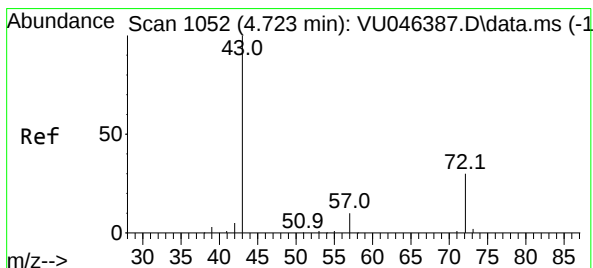
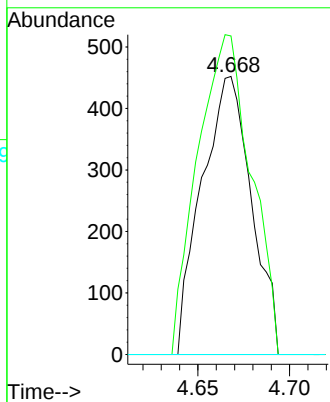
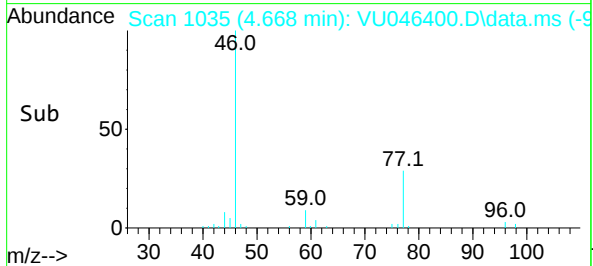
Instrument :
 MSVOA_U
 ClientSampleId :
 BGL04ME



Tgt Ion: 96 Resp: 852
 Ion Ratio Lower Upper
 96 100
 61 114.6 86.8 161.2
 68 0.0 0.0 0.0

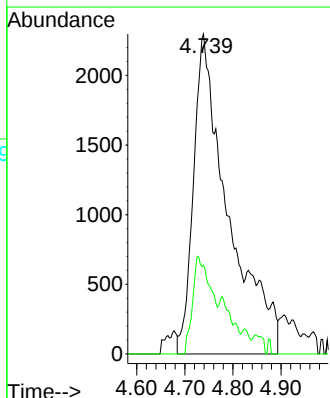
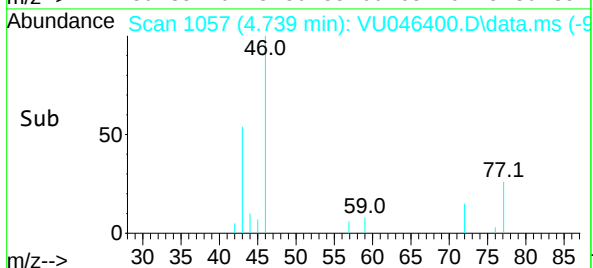
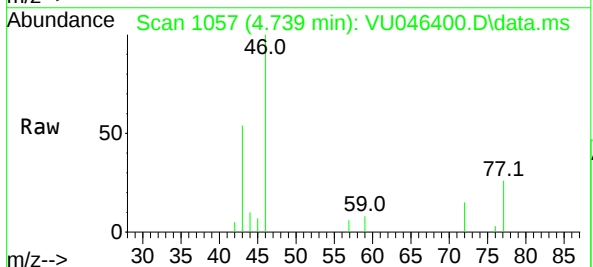
Manual Integrations
 APPROVED

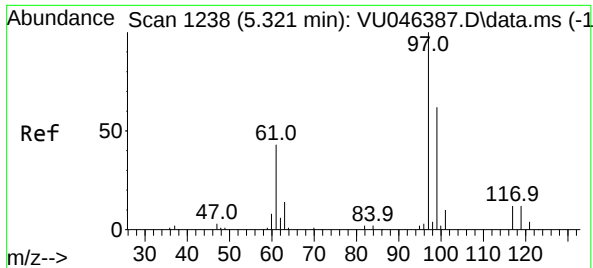
Reviewed By :John Carlone 12/16/2021
 Supervised By :Mahesh Dadoda 12/18/2021



#22
 2-Butanone
 Concen: 7.856 ug/L m
 RT: 4.739 min Scan# 1057
 Delta R.T. 0.016 min
 Lab File: VU046400.D
 Acq: 15 Dec 2021 16:42

Tgt Ion: 43 Resp: 11491
 Ion Ratio Lower Upper
 43 100
 72 8.2 14.5 43.6#





#30

1,1,1-Trichloroethane

Concen: 200.829 ug/L

RT: 5.314 min Scan# 11

Delta R.T. -0.006 min

Lab File: VU046400.D

Acq: 15 Dec 2021 16:42

Instrument :

MSVOA_U

ClientSampleId :

BGL04ME

Tgt Ion: 97 Resp: 41822

Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.6

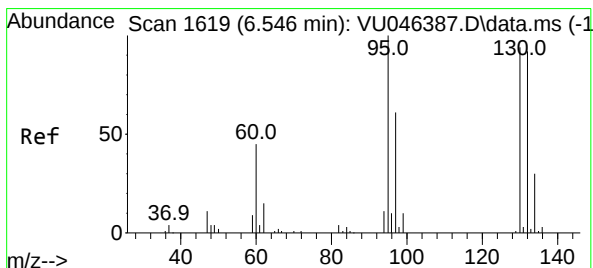
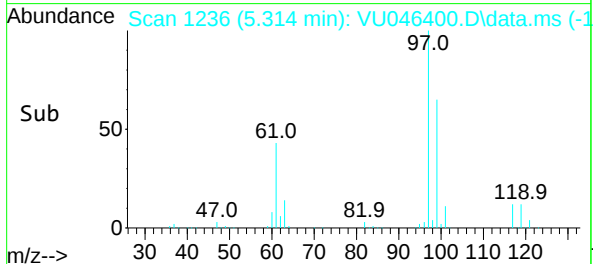
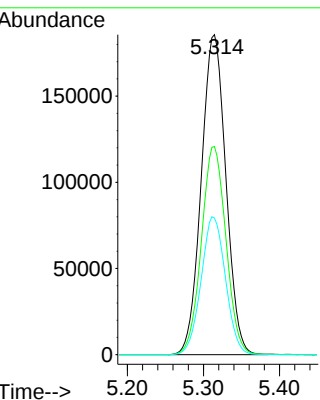
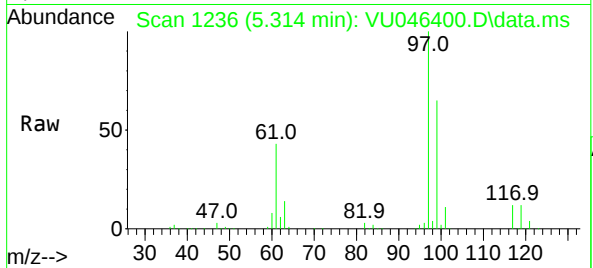
61 42.6 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021

Supervised By :Mahesh Dadoda 12/18/2021



#34

Trichloroethene

Concen: 20.818 ug/L

RT: 6.543 min Scan# 1618

Delta R.T. -0.003 min

Lab File: VU046400.D

Acq: 15 Dec 2021 16:42

Tgt Ion: 95 Resp: 28161

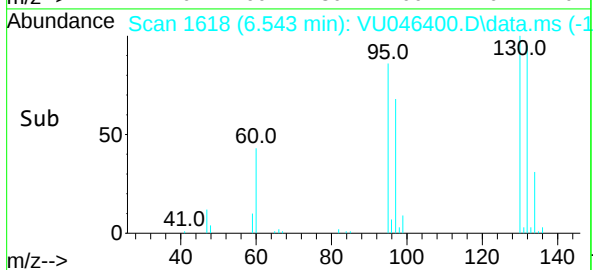
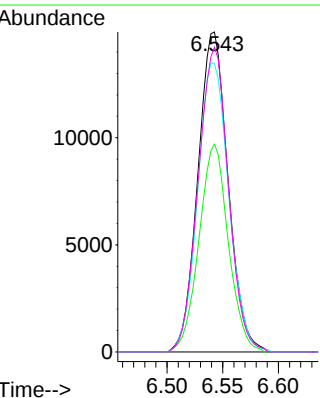
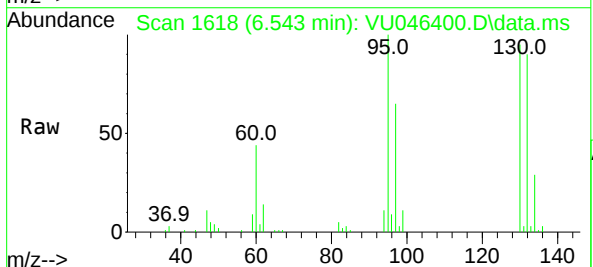
Ion Ratio Lower Upper

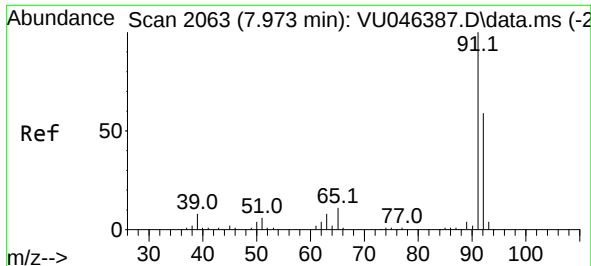
95 100

97 64.9 44.1 81.9

132 90.3 66.8 124.0

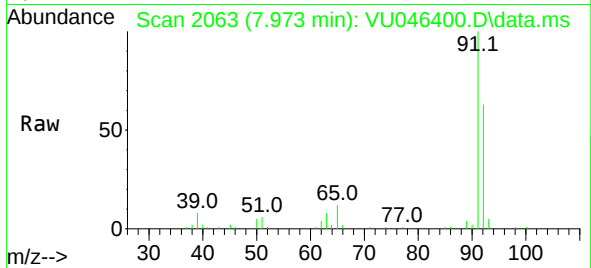
130 95.3 69.0 128.1





#42
Toluene
Concen: 4.045 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU046400.D
Acq: 15 Dec 2021 16:42

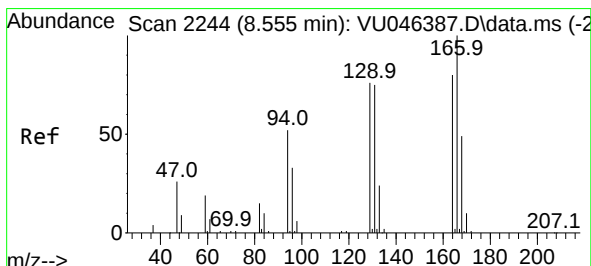
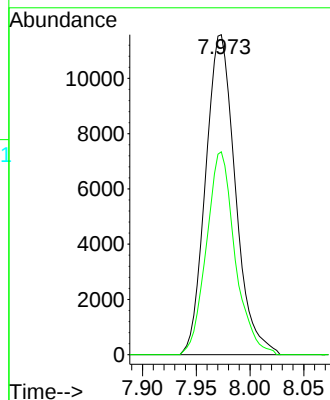
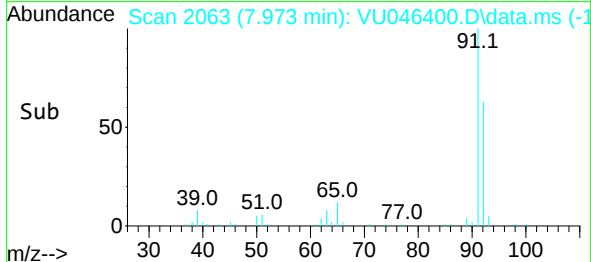
Instrument :
MSVOA_U
ClientSampleId :
BGL04ME



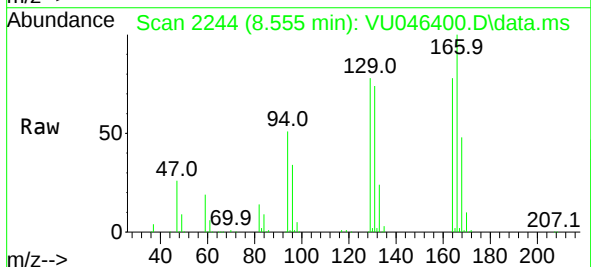
Tgt Ion: 91 Resp: 2228
Ion Ratio Lower Upper
91 100
92 63.4 41.9 77.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/16/2021
Supervised By :Mahesh Dadoda 12/18/2021



#46
Tetrachloroethene
Concen: 202.097 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046400.D
Acq: 15 Dec 2021 16:42



Tgt Ion:164 Resp: 200900
Ion Ratio Lower Upper
164 100
129 100.2 71.1 132.1
131 95.8 67.8 126.0
166 128.9 90.6 168.2

