

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
 Data File : VU046288.D
 Acq On : 11 Dec 2021 15:50
 Operator : SY/MD
 Sample : M4983-02DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N0DL

Quant Time: Dec 12 01:39:00 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 : John Carlone 12/13/2021
 Supervised By : Mahesh Dadoda 12/13/2021

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	179913	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	184832	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	95170	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	54779	36.962	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	73.920%		
7) Chloroethane-d5	1.916	69	46598	40.951	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.900%		
11) 1,1-Dichloroethene-d2	2.572	63	78959	29.678	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	59.360%#		
21) 2-Butanone-d5	4.639	46	129095	109.575	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.570%		
24) Chloroform-d	5.067	84	119998	48.486	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.980%		
26) 1,2-Dichloroethane-d4	5.703	65	81664	49.167	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.340%		
32) Benzene-d6	5.732	84	238079	44.941	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.880%		
36) 1,2-Dichloropropane-d6	6.694	67	78971	48.100	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.200%		
41) Toluene-d8	7.899	98	202194	41.919	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.840%		
43) trans-1,3-Dichloroprop...	8.182	79	37584	47.421	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.840%		
47) 2-Hexanone-d5	8.636	63	92261	118.519	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	118.520%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	131138	52.668	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.340%		
66) 1,2-Dichlorobenzene-d4	12.195	152	90720	49.498	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.000%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	14183	8.034	ug/L	96
8) Chloroethane	1.938	64	28597	27.978	ug/L	97
12) 1,1-Dichloroethene	2.581	96	1928	1.550	ug/L #	1
17) trans-1,2-Dichloroethene	3.356	96	2014m	1.530	ug/L	
19) 1,1-Dichloroethane	3.874	63	126139	52.698	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	68522	47.969	ug/L	100
27) 1,2-Dichloroethane	5.803	62	1575	0.798	ug/L #	93
30) 1,1,1-Trichloroethane	5.321	97	46485	20.489	ug/L	100
46) Tetrachloroethene	8.555	164	1223	1.129	ug/L	84

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

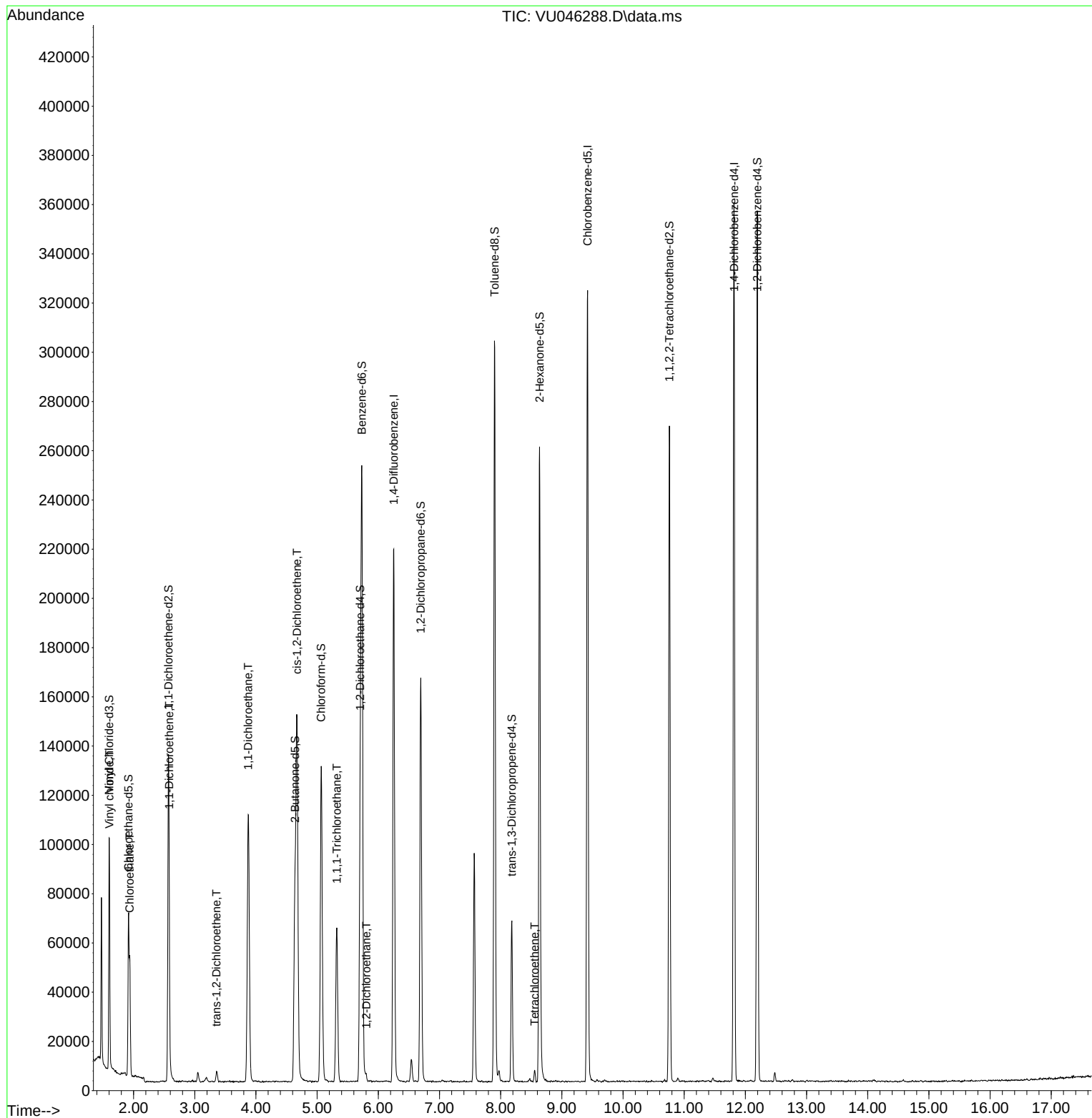
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046288.D
Acq On : 11 Dec 2021 15:50
Operator : SY/MD
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

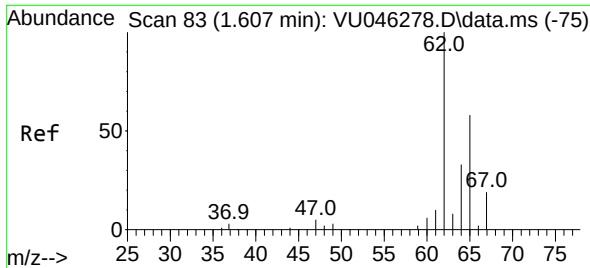
Instrument :
MSVOA_U
ClientSampleId :
EW5N0DL

Quant Time: Dec 12 01:39:00 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

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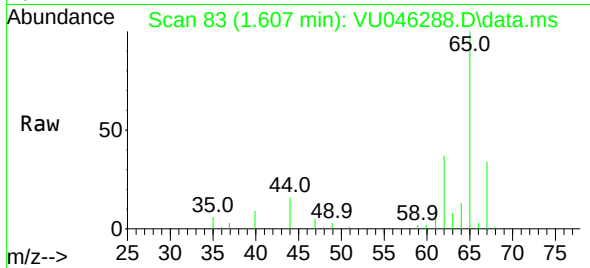
Reviewed By : John Carlone 12/13/2021
Supervised By : Mahesh Dadoda 12/13/2021





#5
 Vinyl chloride
 Concen: 8.034 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU046288.D
 Acq: 11 Dec 2021 15:50

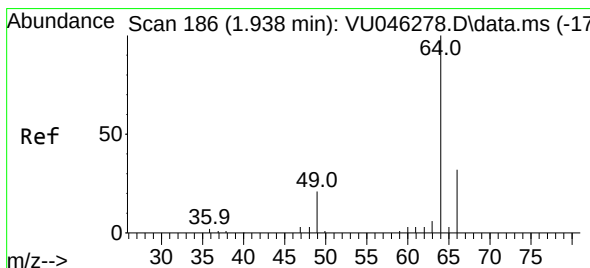
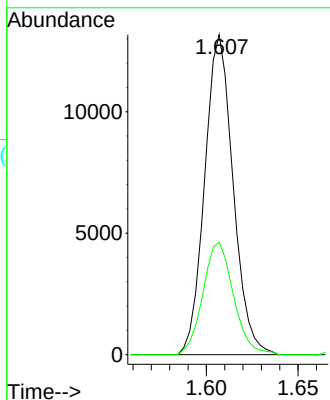
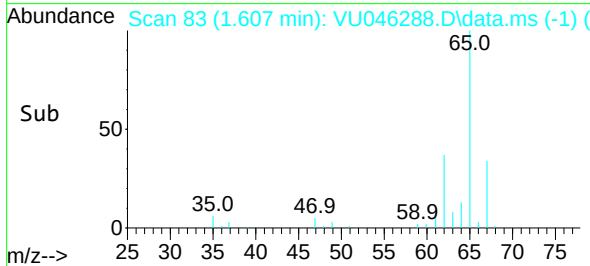
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N0DL



Tgt Ion: 62 Resp: 1418
 Ion Ratio Lower Upper
 62 100
 64 35.1 22.9 42.5

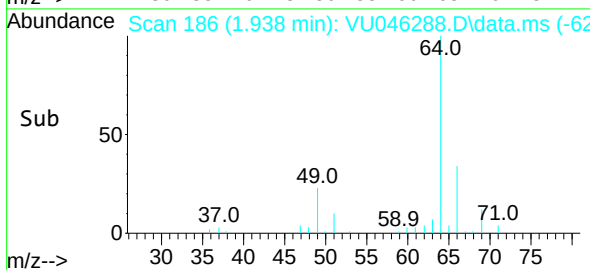
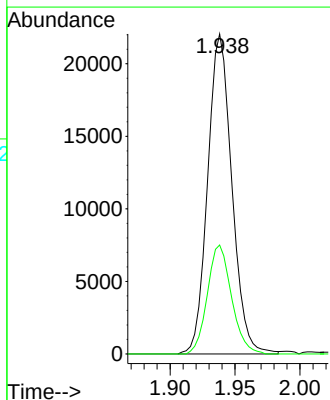
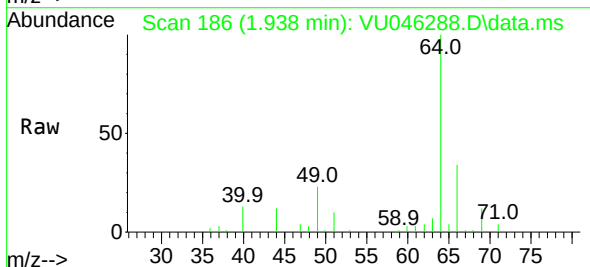
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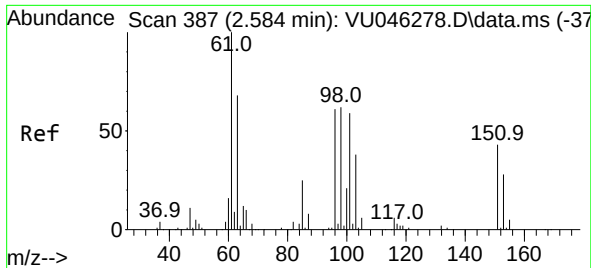
Reviewed By :John Carlone 12/13/2021
 Supervised By :Mahesh Dadoda 12/13/2021



#8
 Chloroethane
 Concen: 27.978 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU046288.D
 Acq: 11 Dec 2021 15:50

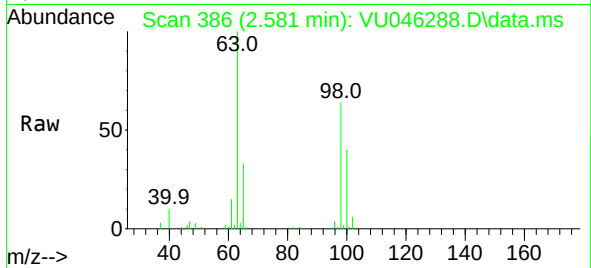
Tgt Ion: 64 Resp: 28597
 Ion Ratio Lower Upper
 64 100
 66 34.1 22.5 41.9





#12
1,1-Dichloroethene
Concen: 1.550 ug/L
RT: 2.581 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU046288.D
Acq: 11 Dec 2021 15:50

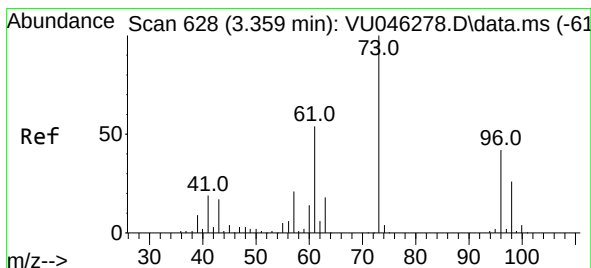
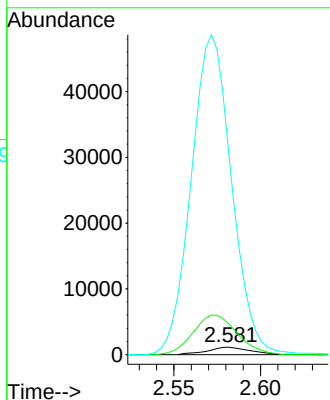
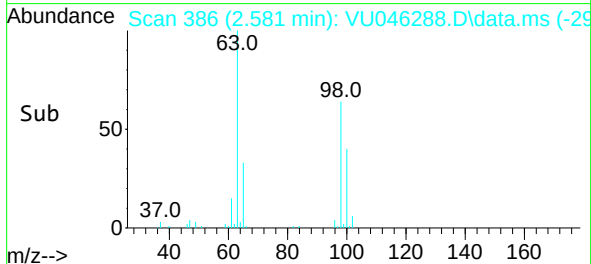
Instrument :
MSVOA_U
ClientSampleId :
EW5N0DL



Tgt Ion: 96 Resp: 1928
Ion Ratio Lower Upper
96 100
61 422.5 118.6 220.2
63 2793.7 93.0 172.8

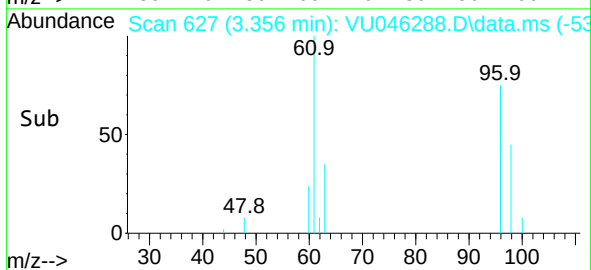
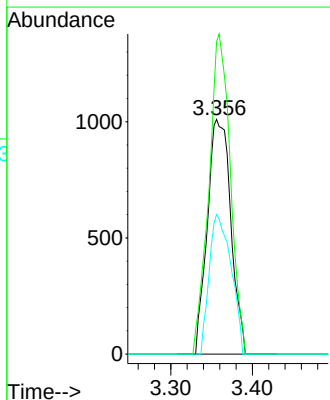
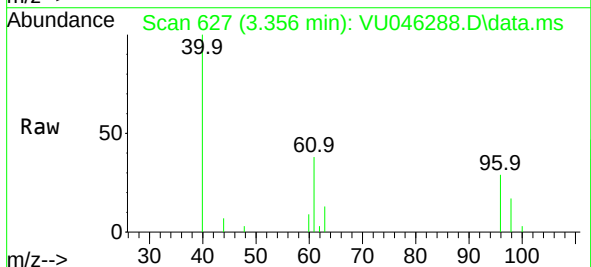
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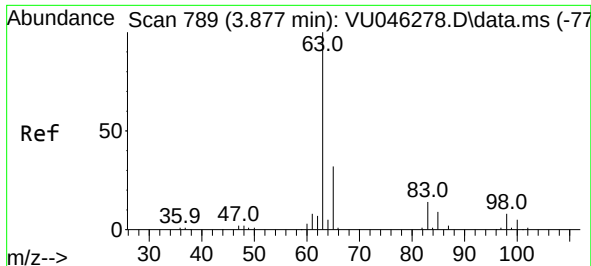
Reviewed By :John Carlone 12/13/2021
Supervised By :Mahesh Dadoda 12/13/2021



#17
trans-1,2-Dichloroethene
Concen: 1.530 ug/L m
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU046288.D
Acq: 11 Dec 2021 15:50

Tgt Ion: 96 Resp: 2014
Ion Ratio Lower Upper
96 100
61 133.2 94.6 175.6
98 59.5 44.0 81.8





#19

1,1-Dichloroethane

Concen: 52.698 ug/L

RT: 3.874 min Scan# 789

Delta R.T. -0.003 min

Lab File: VU046288.D

Acq: 11 Dec 2021 15:50

Instrument :

MSVOA_U

ClientSampleId :

EW5N0DL

Tgt Ion: 63 Resp: 126139

Ion Ratio Lower Upper

63 100

65 31.6 22.8 42.4

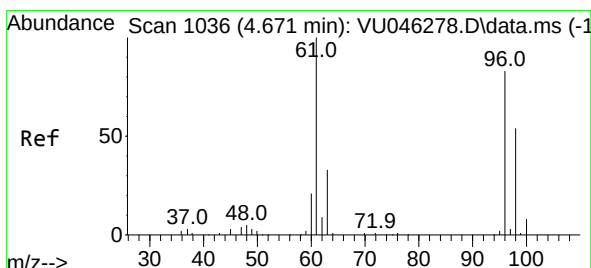
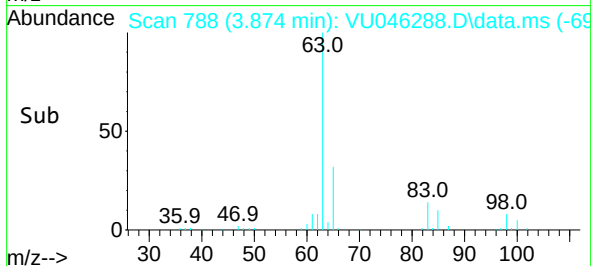
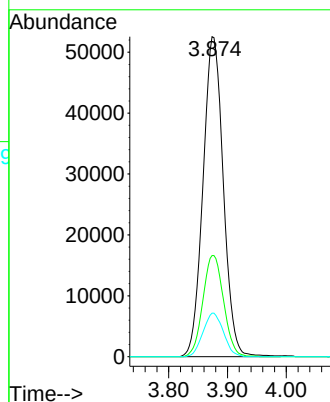
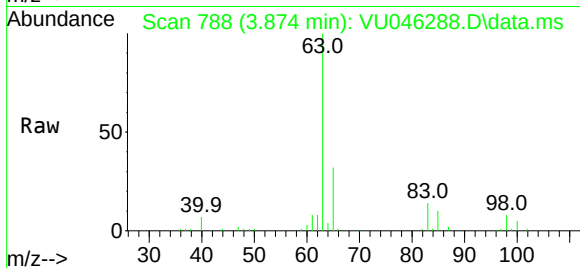
83 13.6 9.6 17.8

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#20

cis-1,2-Dichloroethene

Concen: 47.969 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046288.D

Acq: 11 Dec 2021 15:50

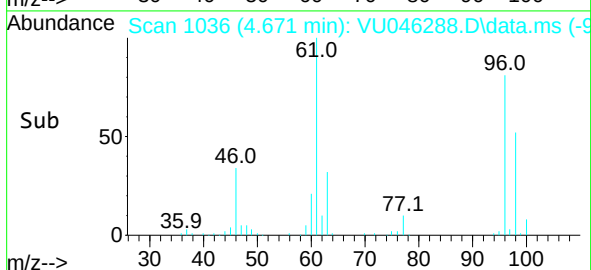
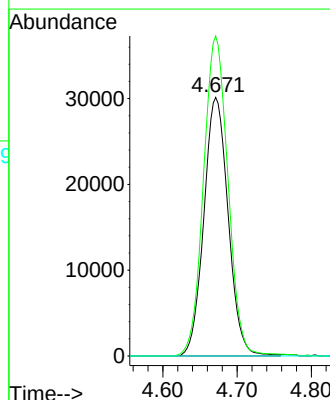
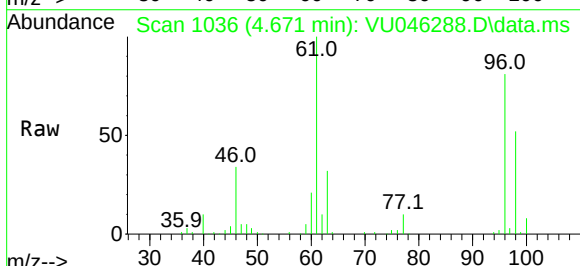
Tgt Ion: 96 Resp: 68522

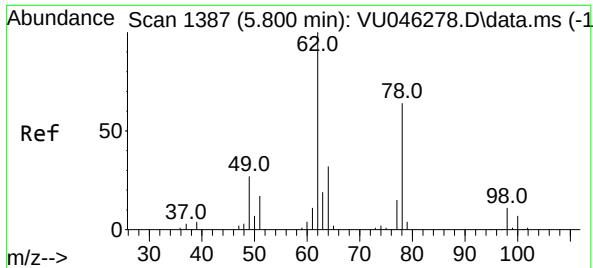
Ion Ratio Lower Upper

96 100

61 123.8 86.8 161.2

68 0.0 0.0 0.0





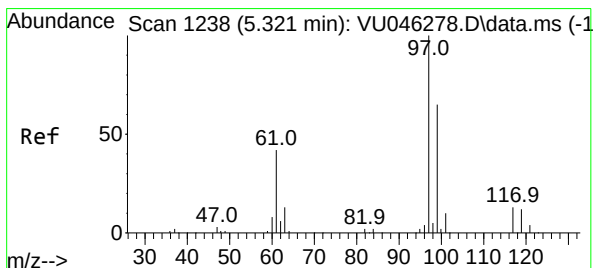
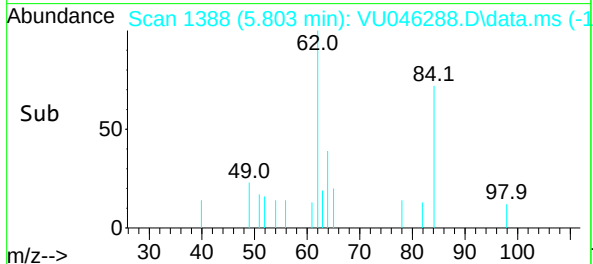
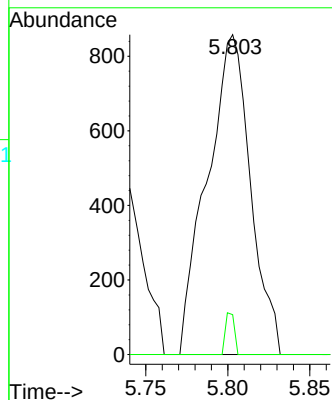
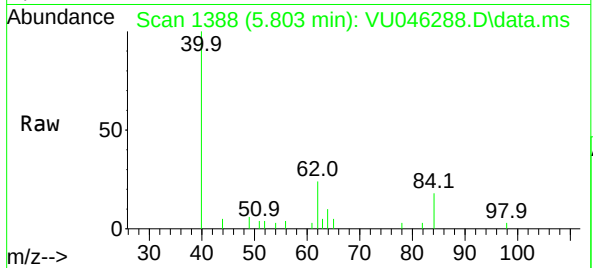
#27
1,2-Dichloroethane
Concen: 0.798 ug/L
RT: 5.803 min Scan# 1387
Delta R.T. 0.003 min
Lab File: VU046288.D
Acq: 11 Dec 2021 15:50

Instrument :
MSVOA_U
ClientSampleId :
EW5N0DL

Tgt Ion: 62 Resp: 1579
Ion Ratio Lower Upper
62 100
98 12.5 7.9 11.9

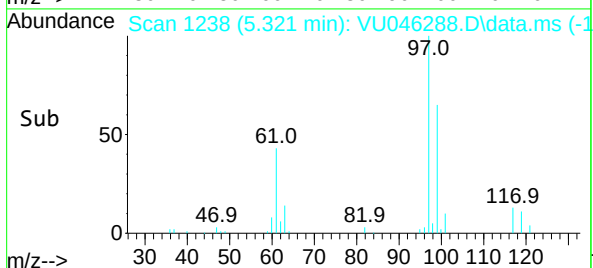
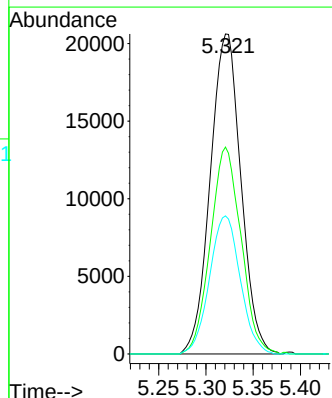
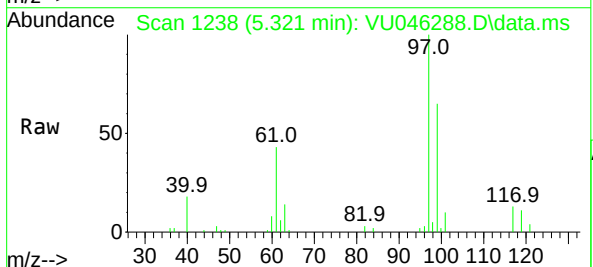
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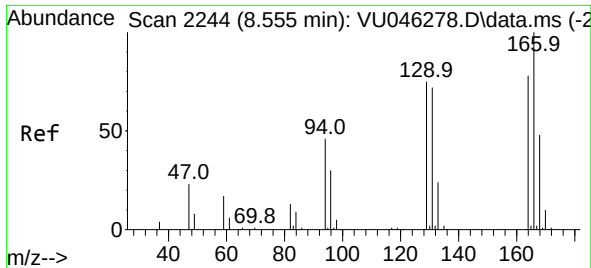
Reviewed By :John Carlone 12/13/2021
Supervised By :Mahesh Dadoda 12/13/2021



#30
1,1,1-Trichloroethane
Concen: 20.489 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU046288.D
Acq: 11 Dec 2021 15:50

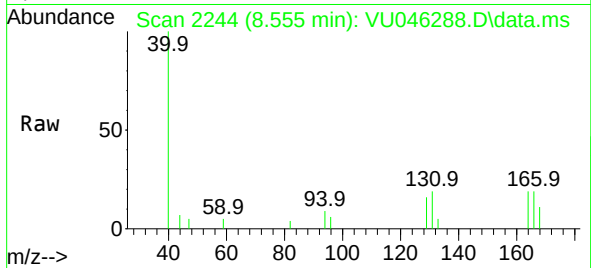
Tgt Ion: 97 Resp: 46485
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.6
61 43.3 34.4 51.6





#46
 Tetrachloroethene
 Concen: 1.129 ug/L
 RT: 8.555 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU046288.D
 Acq: 11 Dec 2021 15:50

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N0DL



Tgt Ion:164 Resp: 122.0
 Ion Ratio Lower Upper
 164 100
 129 85.0 71.1 132.1
 131 103.1 67.8 126.0
 166 102.9 90.6 168.2

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