

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031723\
 Data File : VW030243.D
 Acq On : 17 Mar 2023 18:18
 Operator : SY/MD
 Sample : 01996-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0A31

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/22/2023
 Supervised By :Mahesh Dadoda 03/22/2023

Quant Time: Mar 17 23:00:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 17 22:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	127513	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	115344	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	57838	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	32473	3.936	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	78.800%	
7) Chloroethane-d5	1.539	69	29908	3.862	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	77.200%	
11) 1,1-Dichloroethene-d2	2.076	63	768317	45.295	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	905.800%#	
20) 2-Butanone-d5	3.812	46	79487	52.253	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	104.500%	
24) Chloroform-d	4.262	84	73037	4.333	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	86.600%	
26) 1,2-Dichloroethane-d4	4.953	65	34721	5.046	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	101.000%	
32) Benzene-d6	4.973	84	125556	4.045	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	81.000%	
36) 1,2-Dichloropropane-d6	5.998	67	39482	4.229	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	84.600%	
41) Toluene-d8	7.255	98	108787	3.698	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	74.000%	
43) trans-1,3-Dichloroprop...	7.564	79	14428	4.517	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	90.400%	
46) 2-Hexanone-d5	8.037	63	62871	47.572	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	95.140%	
56) 1,1,2,2-Tetrachloroeth...	10.162	84	26934	4.055	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	81.000%	
66) 1,2-Dichlorobenzene-d4	11.570	152	40607	4.150	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	83.000%	
Target Compounds						
3) Chloromethane	1.217	50	35022	2.142	ug/L	99
6) Bromomethane	1.494	94	2007	1.029	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	4170	0.431	ug/L #	39
12) 1,1-Dichloroethene	2.076	96	1228546	143.565	ug/L #	71
16) Methylene chloride	2.455	84	2648	0.253	ug/L	88
19) 1,1-Dichloroethane	3.120	63	24126	1.591	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	38924	4.326	ug/L	83
25) Chloroform	4.288	83	76170	4.828	ug/L	99
27) 1,2-Dichloroethane	5.063	62	1865	0.226	ug/L #	71
29) 1,1,1-Trichloroethane	4.522	97	198676	14.663	ug/L	97
31) Carbon tetrachloride	4.747	117	61002	5.009	ug/L	98
33) Benzene	5.024	78	17130	0.544	ug/L	100
34) Trichloroethene	5.844	95	4034254	457.042	ug/L	94
45) 1,1,2-Trichloroethane	7.786	97	2905m	0.507	ug/L	
47) Tetrachloroethene	7.940	164	24386074m	3218.553	ug/L	
64) 1,3-Dichlorobenzene	11.130	146	7969	0.460	ug/L	95
65) 1,4-Dichlorobenzene	11.217	146	7286	0.417	ug/L	97
67) 1,2-Dichlorobenzene	11.590	146	10005	0.654	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

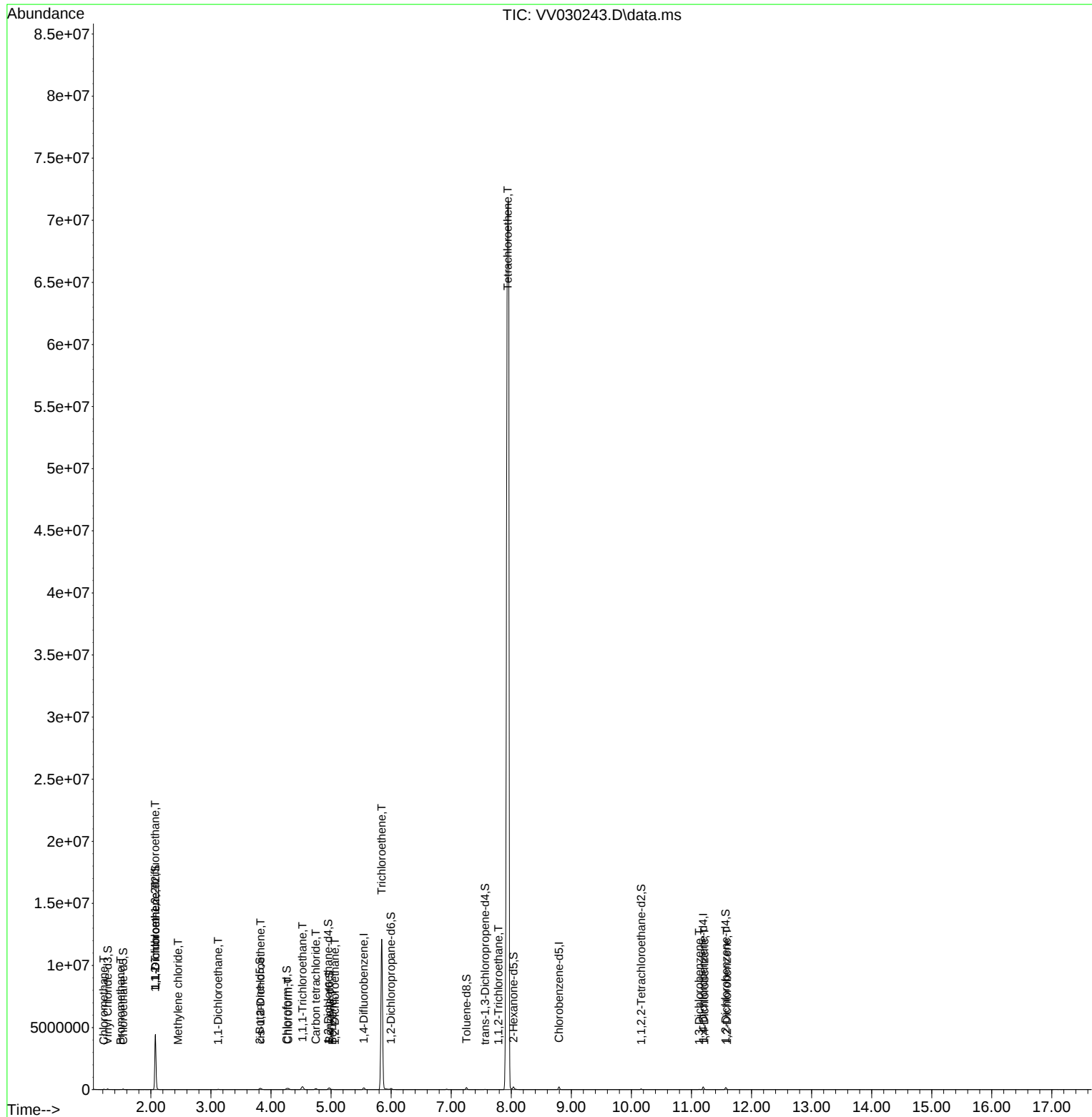
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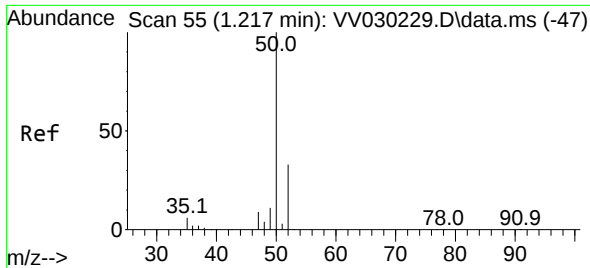
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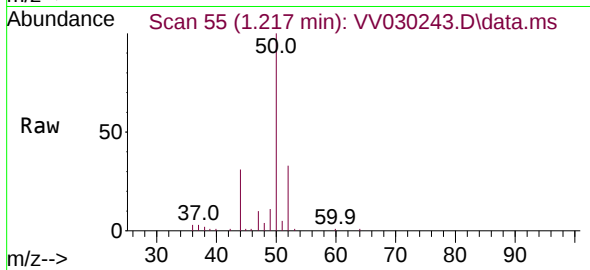
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#3
Chloromethane
Concen: 2.142 ug/L
RT: 1.217 min Scan# 50
Delta R.T. -0.000 min
Lab File: VV030243.D
Acq: 17 Mar 2023 18:18

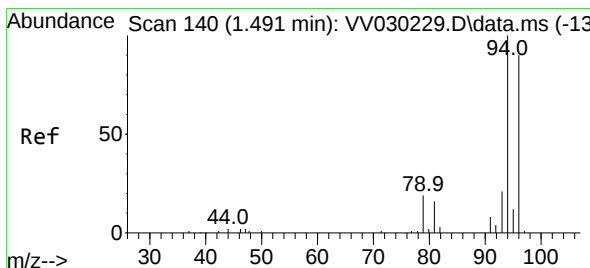
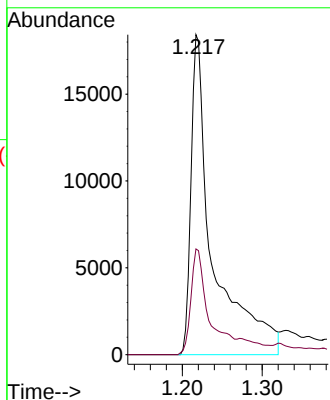
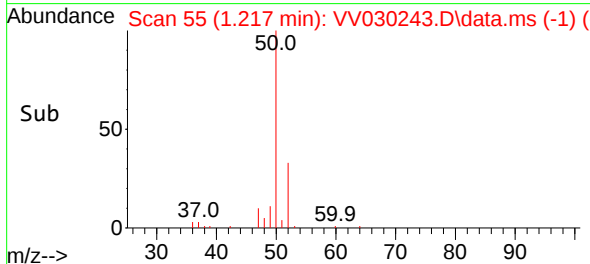
Instrument : MSVOA_V
ClientSampleId : H0A31



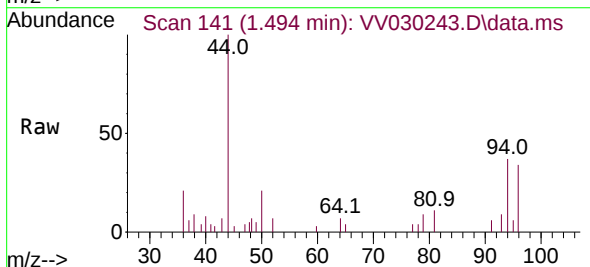
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Ion Ratio Lower Upper
50 100
52 33.0 23.6 43.8

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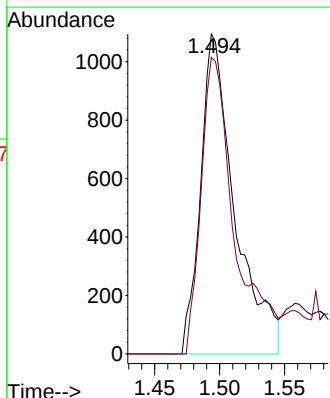
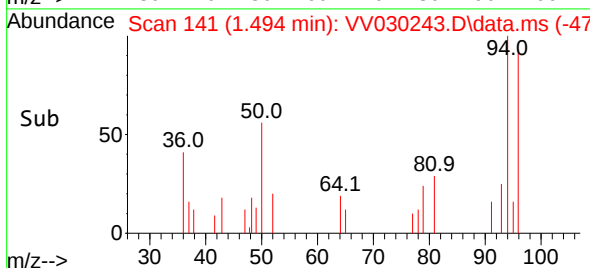
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023

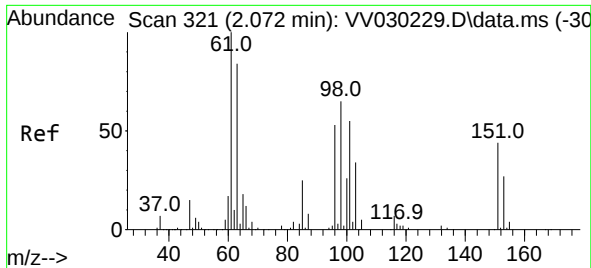


#6
Bromomethane
Concen: 1.029 ug/L
RT: 1.494 min Scan# 141
Delta R.T. 0.003 min
Lab File: VV030243.D
Acq: 17 Mar 2023 18:18



Tgt Ion: 94 Resp: 2007
Ion Ratio Lower Upper
94 100
96 92.7 68.4 127.0





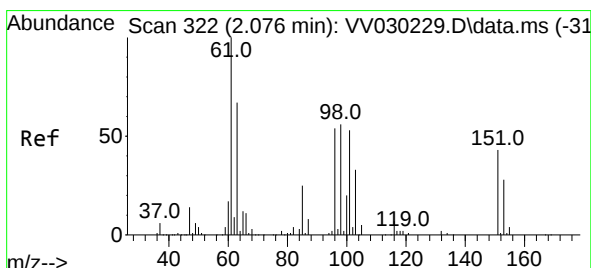
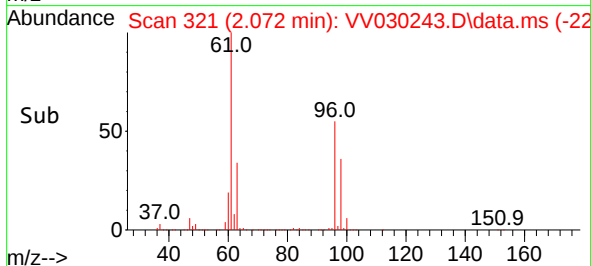
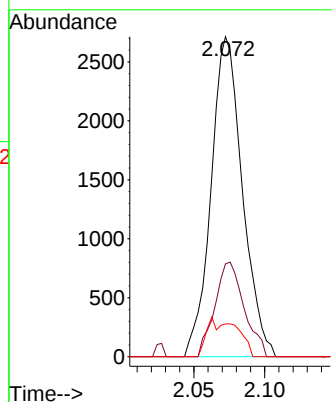
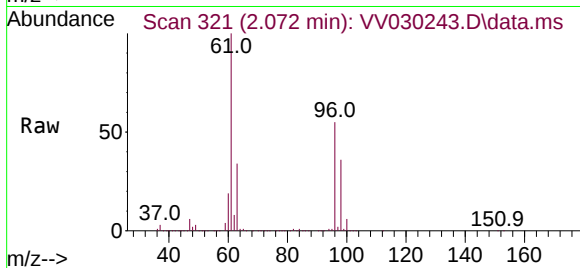
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.431 ug/L
RT: 2.072 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV030243.D
Acq: 17 Mar 2023 18:18

Instrument :
MSVOA_V
ClientSampleId :
H0A31

Tgt Ion: 101 Resp: 4170
Ion Ratio Lower Upper
101 100
85 27.6 33.5 50.3
151 6.3 61.6 92.4

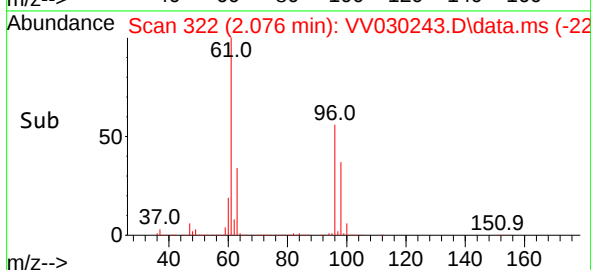
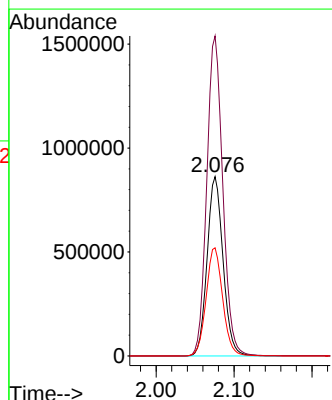
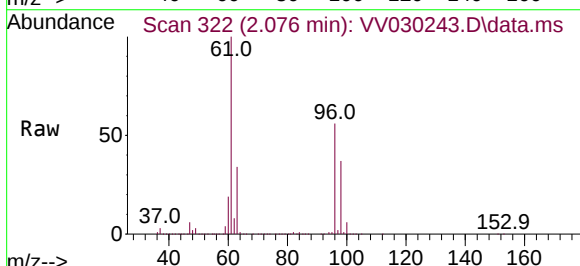
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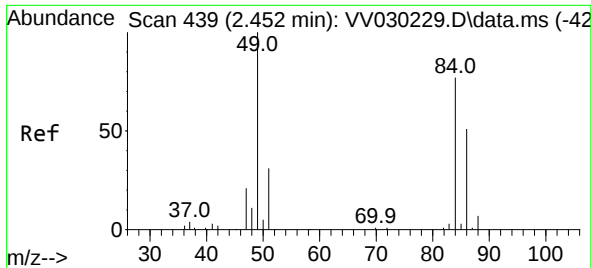
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#12
1,1-Dichloroethene
Concen: 143.565 ug/L
RT: 2.076 min Scan# 322
Delta R.T. -0.000 min
Lab File: VV030243.D
Acq: 17 Mar 2023 18:18

Tgt Ion: 96 Resp: 1228546
Ion Ratio Lower Upper
96 100
61 178.4 115.6 214.6
63 60.3 85.6 159.0





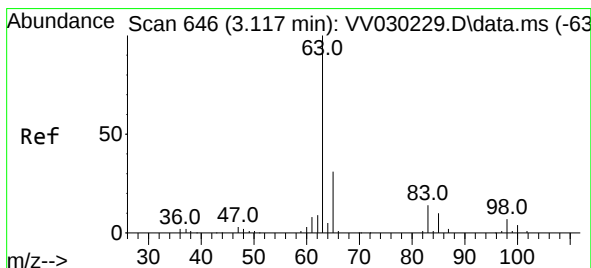
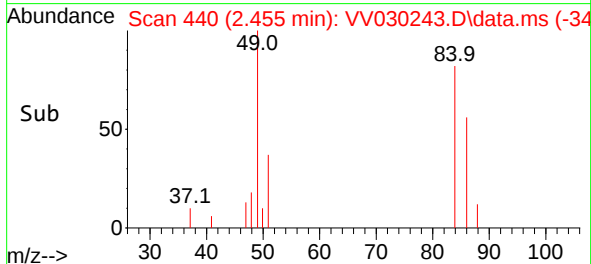
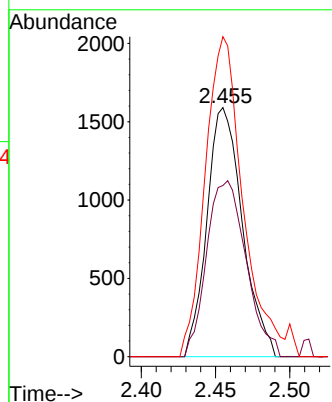
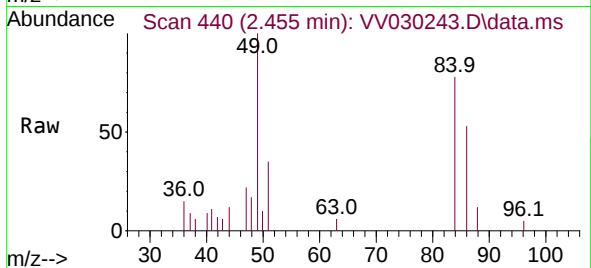
#16
Methylene chloride
Concen: 0.253 ug/L
RT: 2.455 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV030243.D
Acq: 17 Mar 2023 18:18

Instrument :
MSVOA_V
ClientSampleId :
H0A31

Tgt Ion: 84 Resp: 2648
Ion Ratio Lower Upper
84 100
86 68.7 44.7 83.1
49 128.4 78.8 146.3

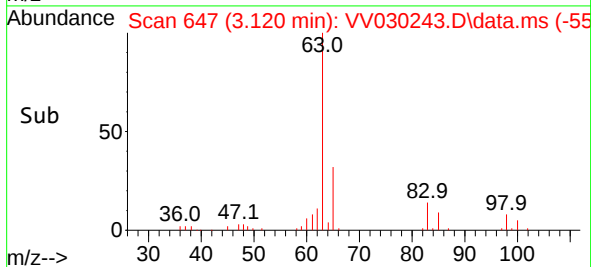
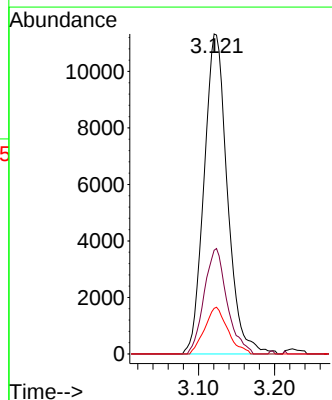
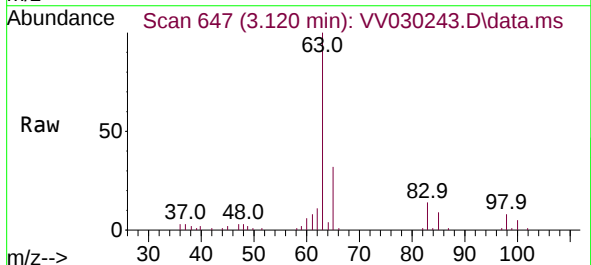
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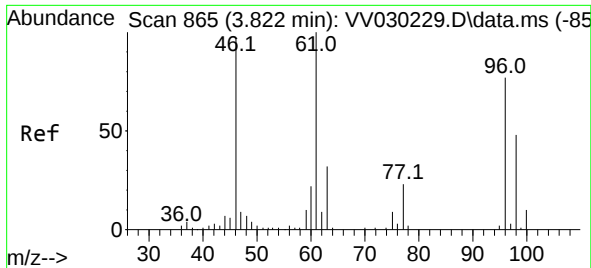
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#19
1,1-Dichloroethane
Concen: 1.591 ug/L
RT: 3.120 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030243.D
Acq: 17 Mar 2023 18:18

Tgt Ion: 63 Resp: 24126
Ion Ratio Lower Upper
63 100
65 32.4 23.0 42.8
83 14.3 9.6 17.8





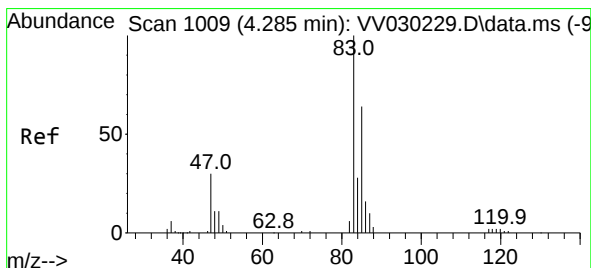
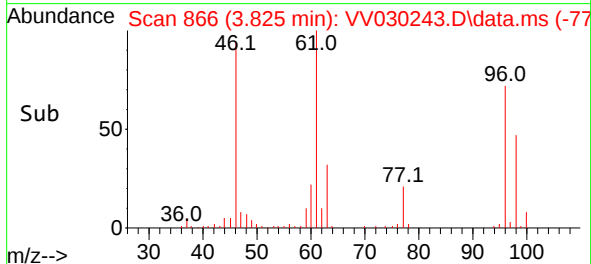
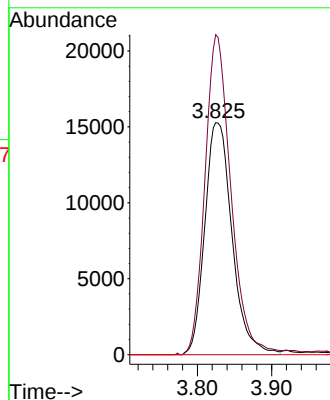
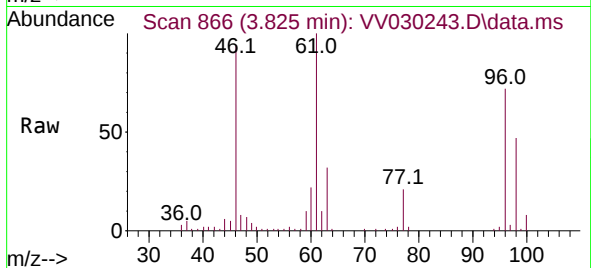
#22
 cis-1,2-Dichloroethene
 Concen: 4.326 ug/L
 RT: 3.825 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VV030243.D
 Acq: 17 Mar 2023 18:18

Instrument :
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 H0A31

Tgt Ion: 96 Resp: 38924
 Ion Ratio Lower Upper
 96 100
 61 138.0 83.4 154.8
 68 0.0 0.0 0.0

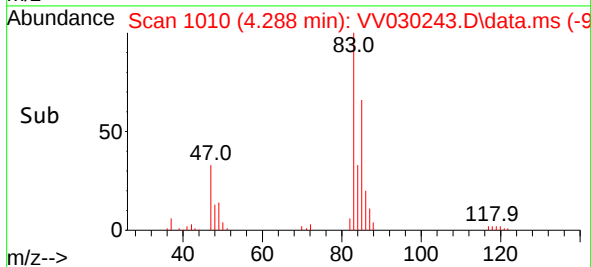
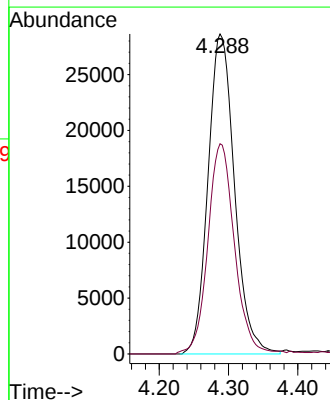
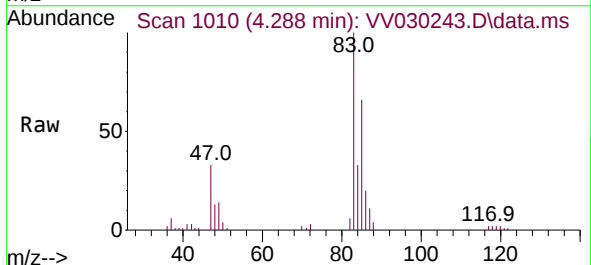
Manual Integrations
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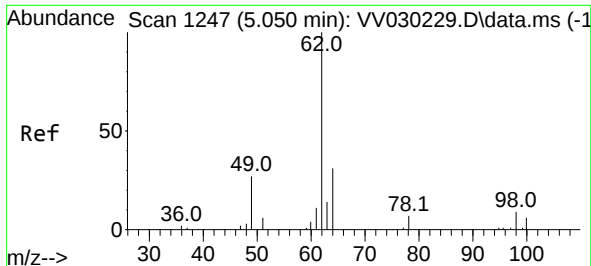
Reviewed By :Krupa Patel 03/22/2023
 Supervised By :Mahesh Dadoda 03/22/2023



#25
 Chloroform
 Concen: 4.828 ug/L
 RT: 4.288 min Scan# 1010
 Delta R.T. 0.003 min
 Lab File: VV030243.D
 Acq: 17 Mar 2023 18:18

Tgt Ion: 83 Resp: 76170
 Ion Ratio Lower Upper
 83 100
 85 65.7 46.5 86.5





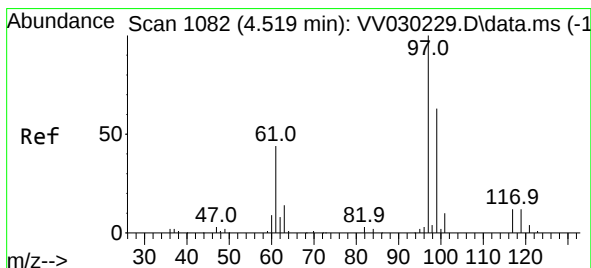
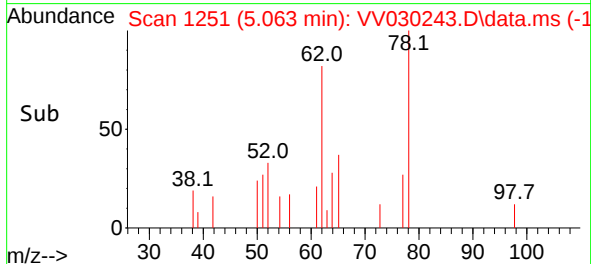
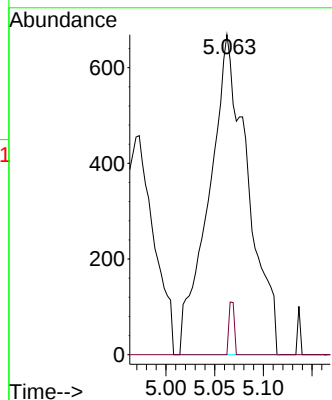
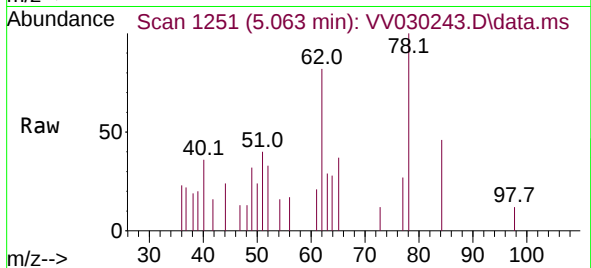
#27
1,2-Dichloroethane
Concen: 0.226 ug/L
RT: 5.063 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV030243.D
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Tgt Ion: 62 Resp: 186
Ion Ratio Lower Upper
62 100
98 0.0 9.0 13.4

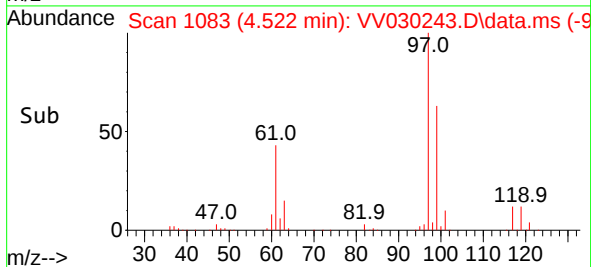
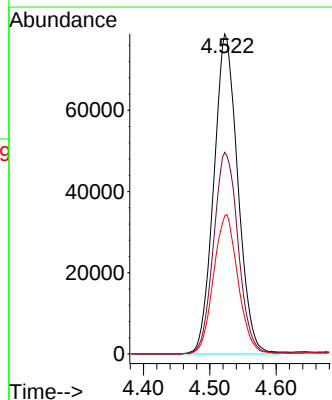
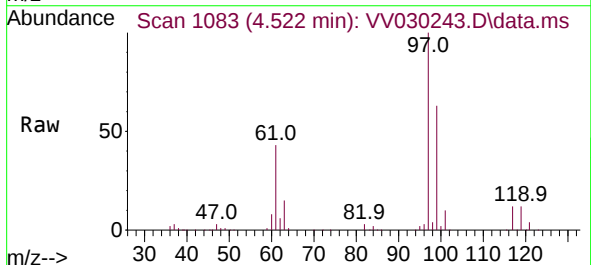
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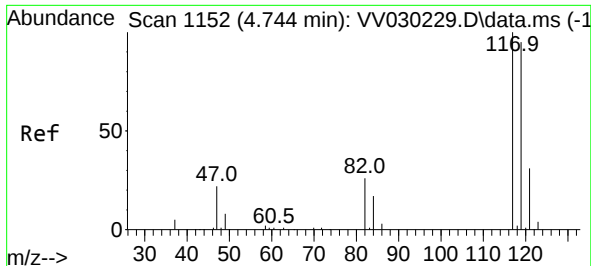
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#29
1,1,1-Trichloroethane
Concen: 14.663 ug/L
RT: 4.522 min Scan# 1083
Delta R.T. 0.003 min
Lab File: VV030243.D
Acq: 17 Mar 2023 18:18

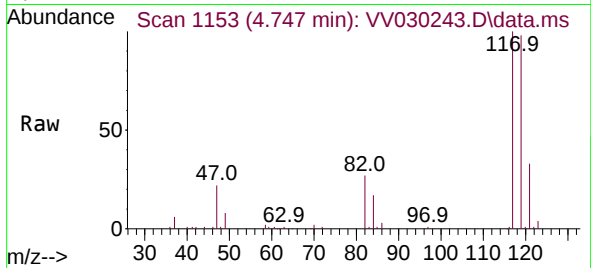
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Ion Ratio Lower Upper
97 100
99 64.6 51.3 76.9
61 44.3 31.5 47.3





#31
Carbon tetrachloride
Concen: 5.009 ug/L
RT: 4.747 min Scan# 1152
Delta R.T. 0.003 min
Lab File: VV030243.D
Acq: 17 Mar 2023 18:18

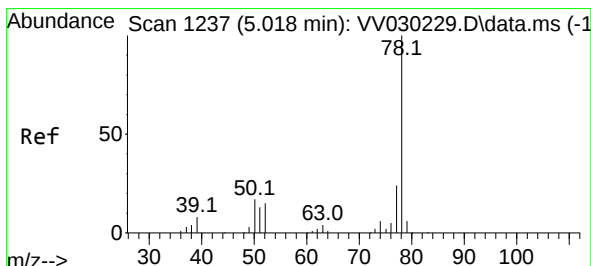
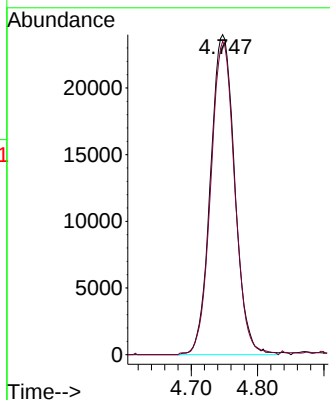
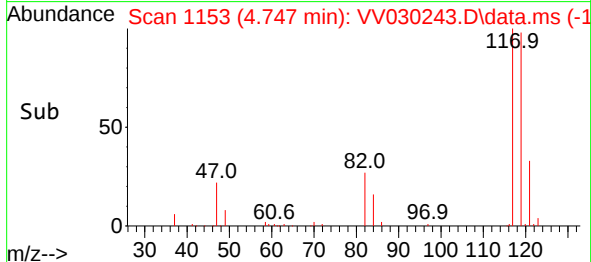
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Tgt Ion:117 Resp: 6100
Ion Ratio Lower Upper
117 100
119 96.6 76.1 114.1

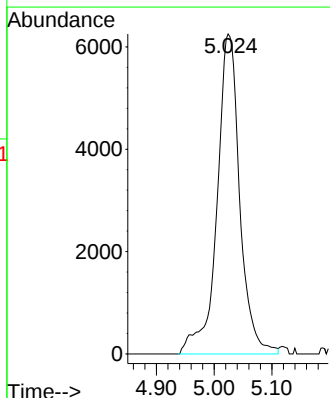
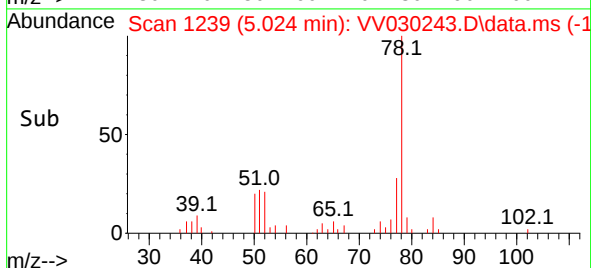
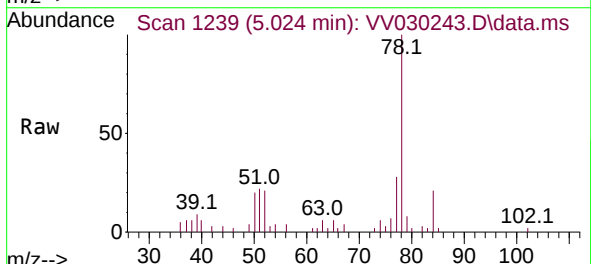
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APPROVED

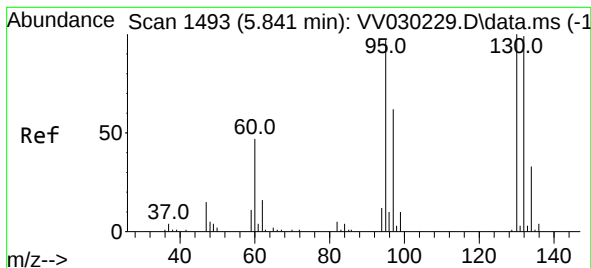
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#33
Benzene
Concen: 0.544 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.006 min
Lab File: VV030243.D
Acq: 17 Mar 2023 18:18

Tgt Ion: 78 Resp: 17130





#34

Trichloroethene

Concen: 457.042 ug/L

RT: 5.844 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV030243.D

Acq: 17 Mar 2023 18:18

Instrument :

MSVOA_V

ClientSampleId :

H0A31

Tgt Ion: 95 Resp: 403425

Ion Ratio Lower Upper

95 100

97 65.0 46.5 86.5

132 94.6 71.7 133.3

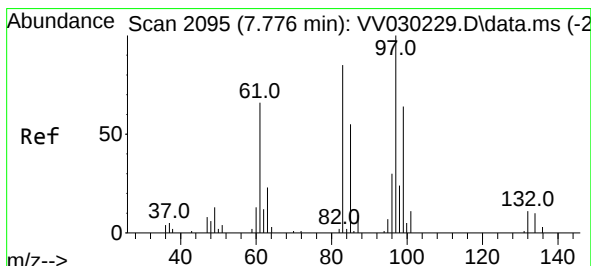
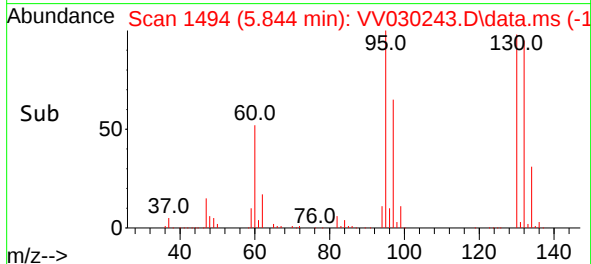
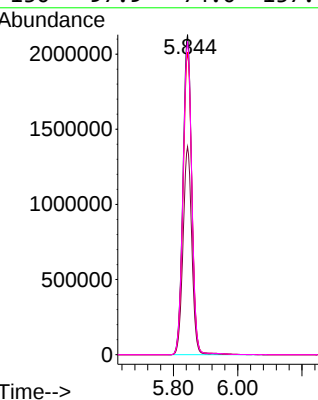
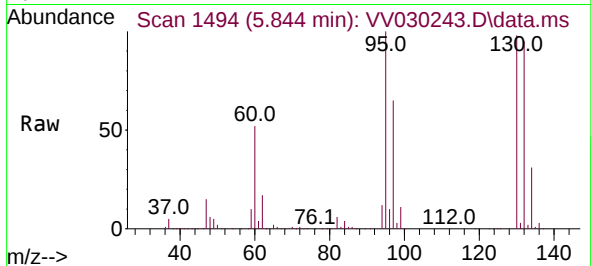
130 97.9 74.0 137.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 03/22/2023

Supervised By :Mahesh Dadoda 03/22/2023



#45

1,1,2-Trichloroethane

Concen: 0.507 ug/L m

RT: 7.786 min Scan# 2098

Delta R.T. 0.009 min

Lab File: VV030243.D

Acq: 17 Mar 2023 18:18

Tgt Ion: 97 Resp: 2905

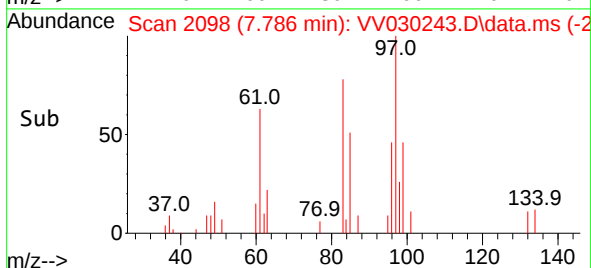
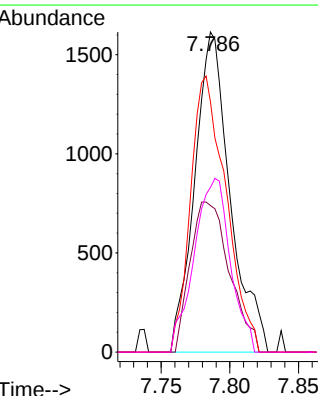
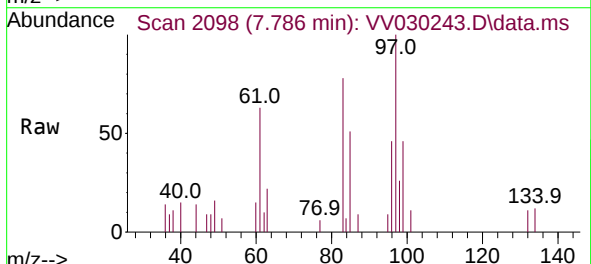
Ion Ratio Lower Upper

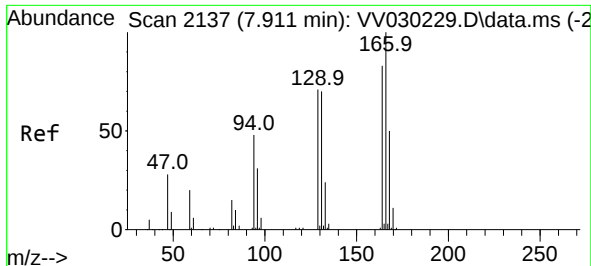
97 100

99 45.8 42.6 79.2

83 78.2 57.7 107.3

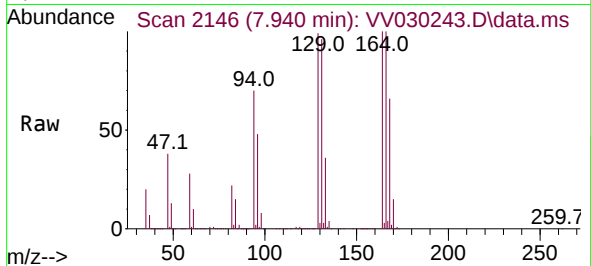
85 51.4 38.9 72.2





#47
Tetrachloroethene
Concen: 3218.553 ug/L m
RT: 7.940 min Scan# 2137
Delta R.T. 0.029 min
Lab File: VV030243.D
Acq: 17 Mar 2023 18:18

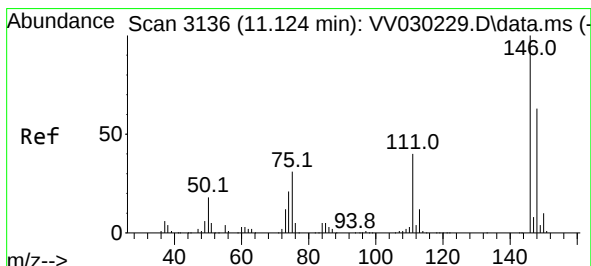
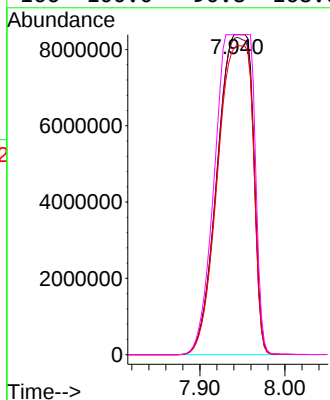
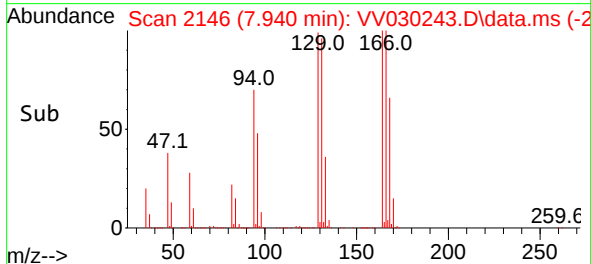
Instrument :
MSVOA_V
ClientSampleId :
H0A31



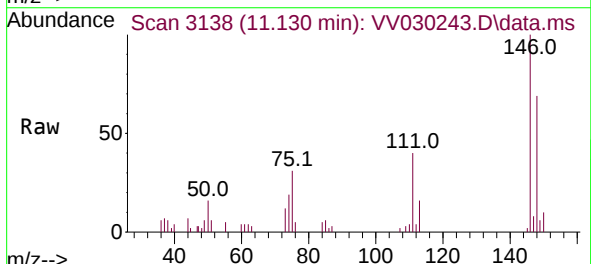
Tgt Ion:164 Resp:24386074
Ion Ratio Lower Upper
164 100
129 98.8 63.6 118.2
131 95.9 61.7 114.7
166 100.0 90.8 168.6

Manual Integrations
APPROVED

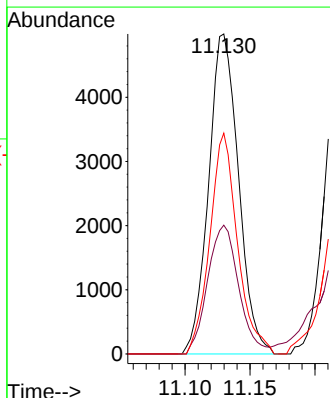
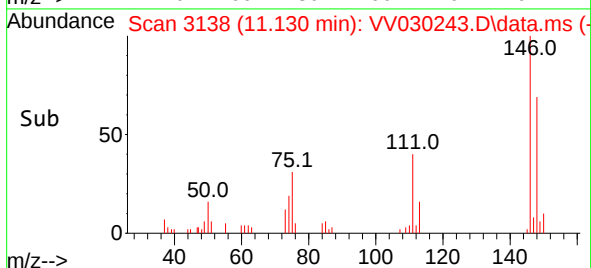
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023

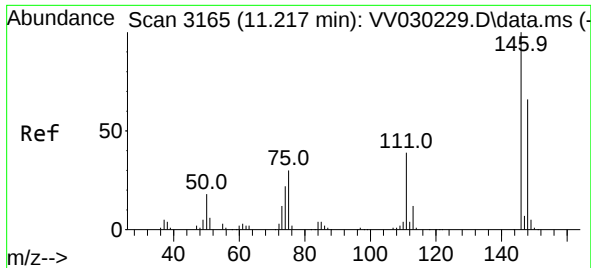


#64
1,3-Dichlorobenzene
Concen: 0.460 ug/L
RT: 11.130 min Scan# 3138
Delta R.T. 0.006 min
Lab File: VV030243.D
Acq: 17 Mar 2023 18:18



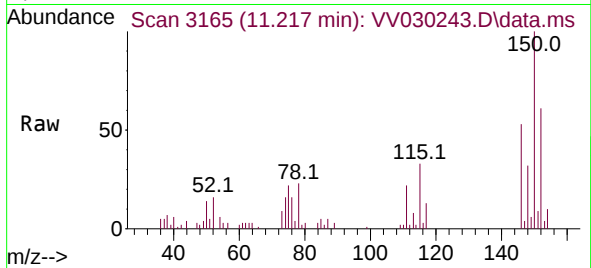
Tgt Ion:146 Resp: 7969
Ion Ratio Lower Upper
146 100
111 40.2 27.7 51.5
148 69.0 44.5 82.7





#65
1,4-Dichlorobenzene
Concen: 0.417 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030243.D
Acq: 17 Mar 2023 18:18

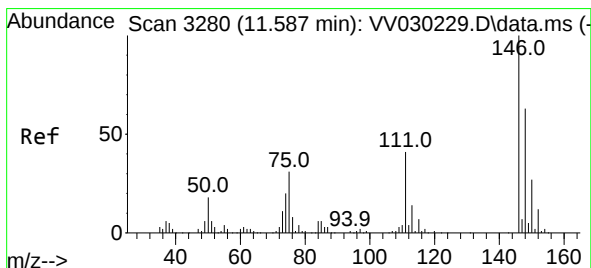
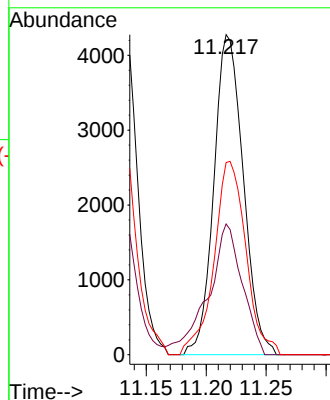
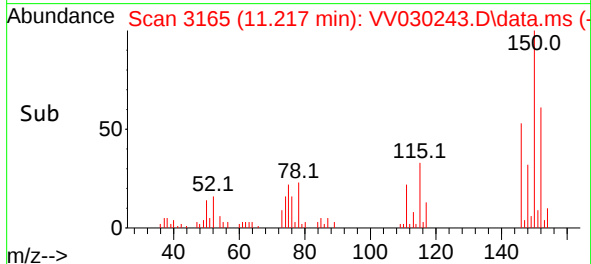
Instrument :
MSVOA_V
ClientSampleId :
H0A31



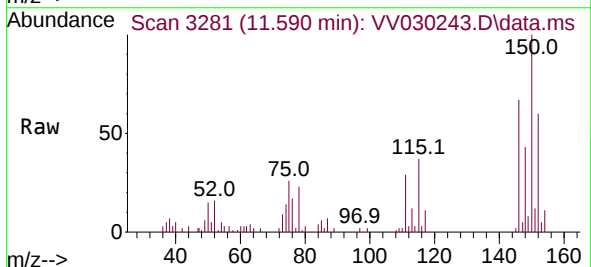
Tgt Ion:146 Resp: 7280
Ion Ratio Lower Upper
146 100
111 40.9 27.4 51.0
148 60.0 44.1 81.9

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#67
1,2-Dichlorobenzene
Concen: 0.654 ug/L
RT: 11.590 min Scan# 3281
Delta R.T. 0.003 min
Lab File: VV030243.D
Acq: 17 Mar 2023 18:18



Tgt Ion:146 Resp: 10005
Ion Ratio Lower Upper
146 100
111 43.3 33.5 50.3
148 65.2 51.3 76.9

