

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120822\
 Data File : VW029491.D
 Acq On : 08 Dec 2022 22:30
 Operator : SY/MD
 Sample : N5915-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F5N00

Quant Time: Dec 09 04:16:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 08 01:48:46 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

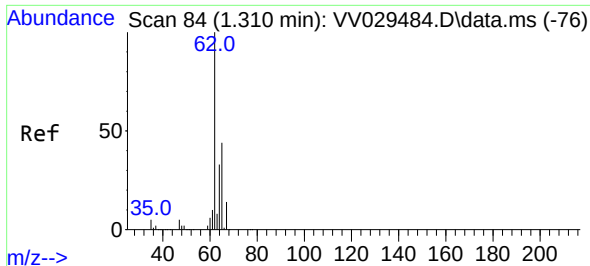
Reviewed By :Krupa Patel 12/09/2022
 Supervised By :Mahesh Dadoda 12/09/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	504424	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	471761	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	247447	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	111522	36.104	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	72.200%		
7) Chloroethane-d5	1.565	69	98241	41.709	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	83.420%		
11) 1,1-Dichloroethene-d2	2.105	63	17150638	3559.835	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	7119.680%#		
21) 2-Butanone-d5	3.867	46	181396	96.267	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.270%		
24) Chloroform-d	4.339	84	253590	43.627	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.260%		
26) 1,2-Dichloroethane-d4	5.024	65	152203	45.847	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.700%		
32) Benzene-d6	5.043	84	529095	42.445	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.880%		
36) 1,2-Dichloropropane-d6	6.063	67	168521	44.259	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.520%		
41) Toluene-d8	7.307	98	491858	41.877	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.760%		
43) trans-1,3-Dichloroprop...	7.613	79	80548	41.893	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.780%		
47) 2-Hexanone-d5	8.082	63	155448	95.604	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.600%		
56) 1,1,2,2-Tetrachloroeth...	10.207	84	252784	46.458	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.920%		
66) 1,2-Dichlorobenzene-d4	11.612	152	211432	44.886	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.780%		
Target Compounds						Qvalue
5) Vinyl chloride	1.311	62	93008	24.539	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	97348	36.923	ug/L #	30
12) 1,1-Dichloroethene	2.095	96	23374999m	8669.400	ug/L	
19) 1,1-Dichloroethane	3.182	63	216314	40.643	ug/L	99
20) cis-1,2-Dichloroethene	3.909	96	13274	3.886	ug/L	96
25) Chloroform	4.365	83	61932	11.224	ug/L	100
27) 1,2-Dichloroethane	5.121	62	366593	94.053	ug/L	99
29) Cyclohexane	4.667	56	7650	1.497	ug/L	99
33) Benzene	5.095	78	104929	7.891	ug/L	100
34) Trichloroethene	5.908	95	91875	27.572	ug/L	99
46) Tetrachloroethene	7.969	164	38857	14.504	ug/L	93
51) Chlorobenzene	8.876	112	7547	0.833	ug/L	91
64) 1,3-Dichlorobenzene	11.172	146	20395	2.871	ug/L	96
65) 1,4-Dichlorobenzene	11.262	146	40413	5.598	ug/L	98
67) 1,2-Dichlorobenzene	11.632	146	45269	6.232	ug/L	99

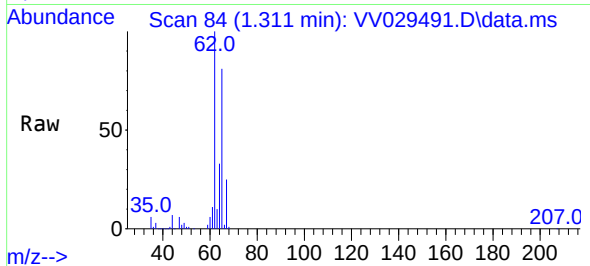
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Reviewed By :Krupa Patel 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022



#5
 Vinyl chloride
 Concen: 24.539 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV029491.D
 Acq: 08 Dec 2022 22:30

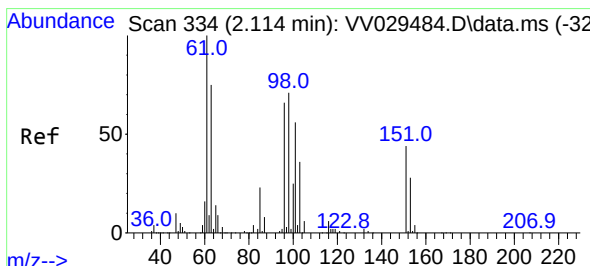
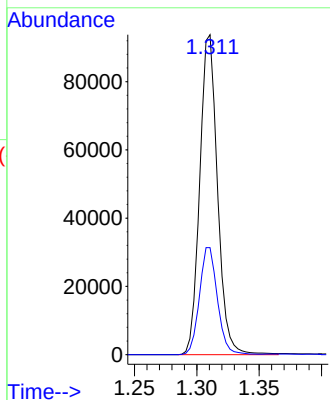
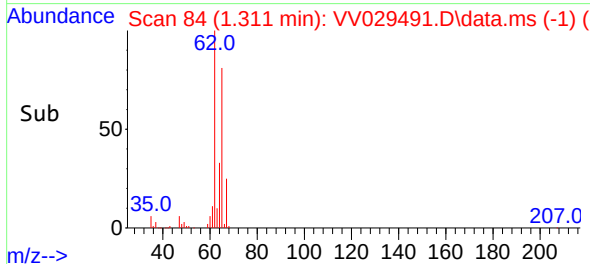
Instrument :
 MSVOA_V
 ClientSampleId :
 F5N00



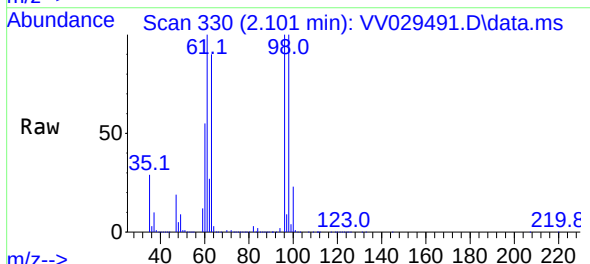
Tgt Ion: 62 Resp: 93008
 Ion Ratio Lower Upper
 62 100
 64 33.4 22.5 41.9

Manual Integrations
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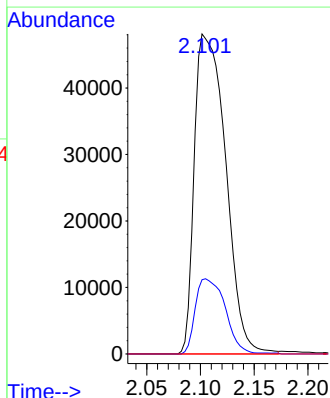
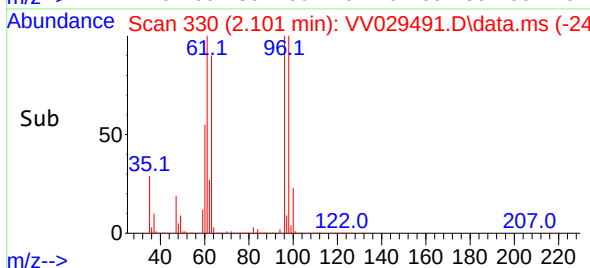
Reviewed By :Krupa Patel 12/09/2022
 Supervised By :Mahesh Dadoda 12/09/2022

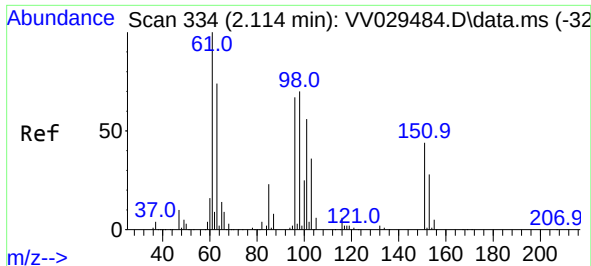


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 36.923 ug/L
 RT: 2.101 min Scan# 330
 Delta R.T. -0.013 min
 Lab File: VV029491.D
 Acq: 08 Dec 2022 22:30



Tgt Ion:101 Resp: 97348
 Ion Ratio Lower Upper
 101 100
 85 22.4 33.6 50.4#
 151 0.0 63.5 95.3#





#12

1,1-Dichloroethene

Concen: 8669.400 ug/L m

RT: 2.095 min Scan# 3

Delta R.T. -0.019 min

Lab File: VV029491.D

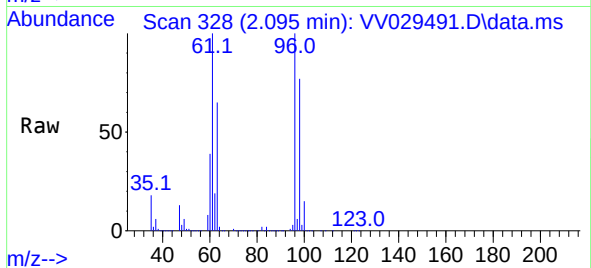
Acq: 08 Dec 2022 22:30

Instrument :

MSVOA_V

ClientSampleId :

F5N00



Tgt Ion: 96 Resp: 2337499

Ion Ratio Lower Upper

96 100

61 100.0 103.3 191.9

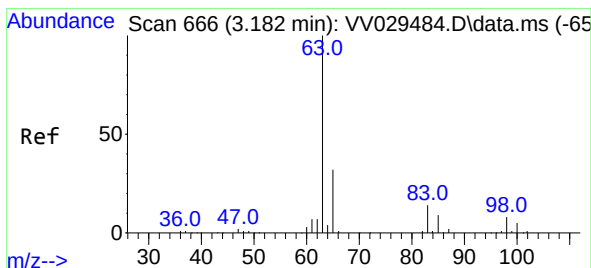
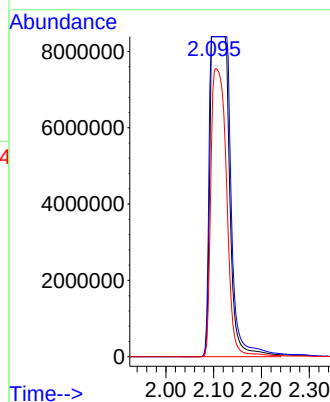
63 64.7 77.3 143.7

Manual Integrations

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#19

1,1-Dichloroethane

Concen: 40.643 ug/L

RT: 3.182 min Scan# 666

Delta R.T. -0.003 min

Lab File: VV029491.D

Acq: 08 Dec 2022 22:30

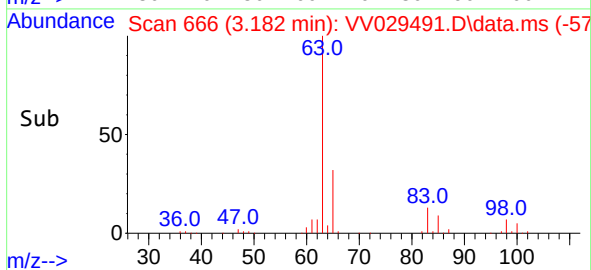
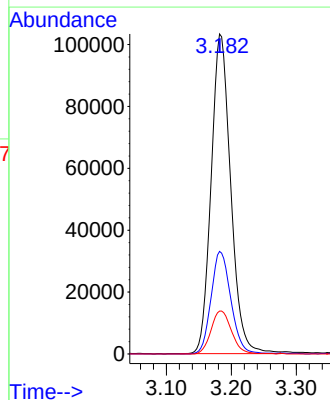
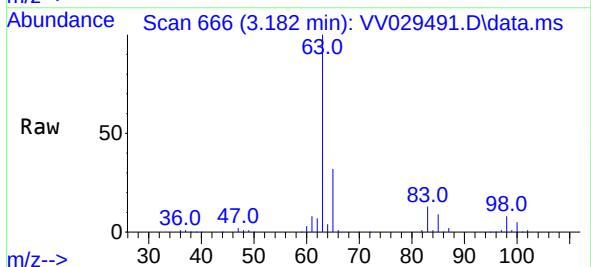
Tgt Ion: 63 Resp: 216314

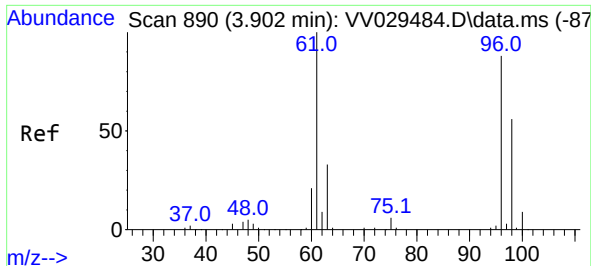
Ion Ratio Lower Upper

63 100

65 32.1 22.5 41.7

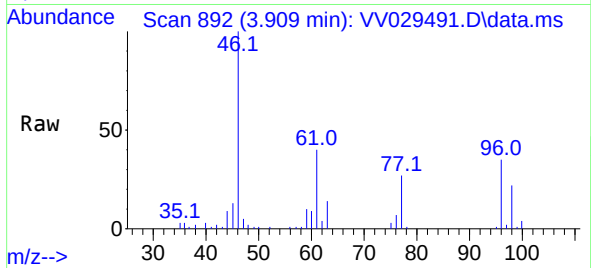
83 13.4 10.4 19.2





#20
cis-1,2-Dichloroethene
Concen: 3.886 ug/L
RT: 3.909 min Scan# 891
Delta R.T. 0.003 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

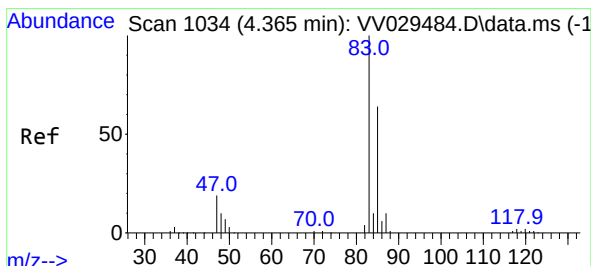
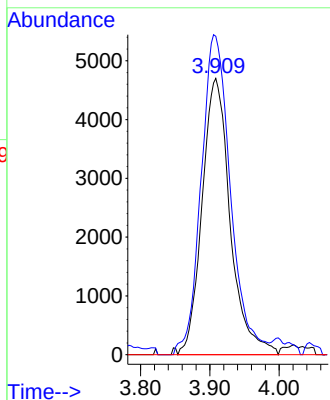
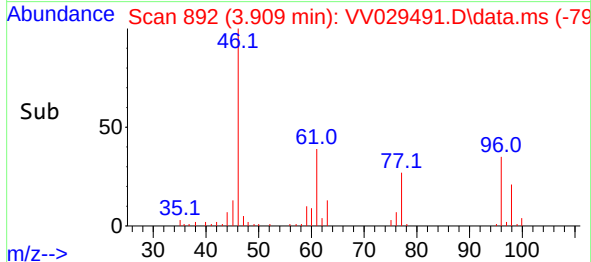
Instrument :
MSVOA_V
ClientSampleId :
F5N00



Tgt Ion: 96 Resp: 13274
Ion Ratio Lower Upper
96 100
61 115.2 78.0 144.9
68 0.0 0.0 0.0

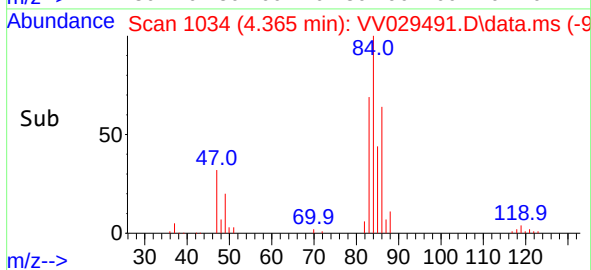
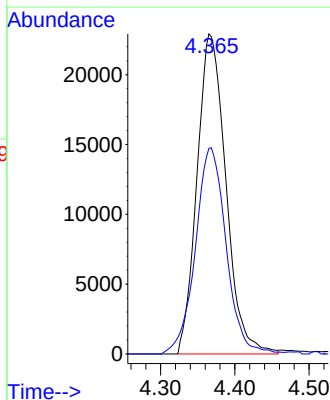
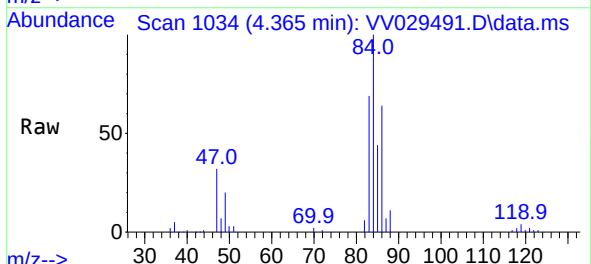
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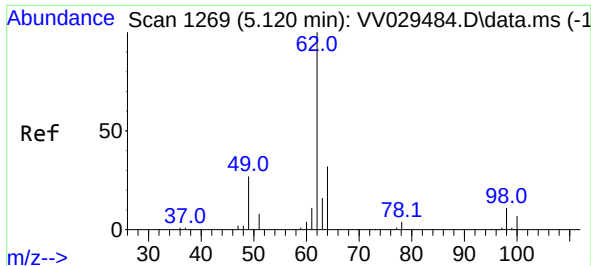
Reviewed By :Krupa Patel 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022



#25
Chloroform
Concen: 11.224 ug/L
RT: 4.365 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

Tgt Ion: 83 Resp: 61932
Ion Ratio Lower Upper
83 100
85 64.3 45.1 83.9





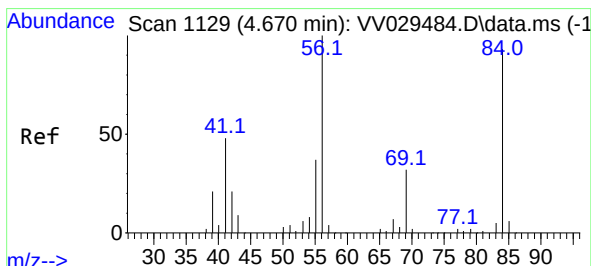
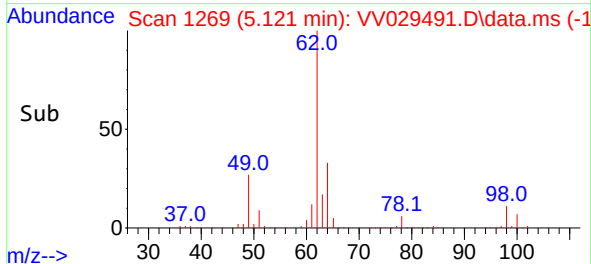
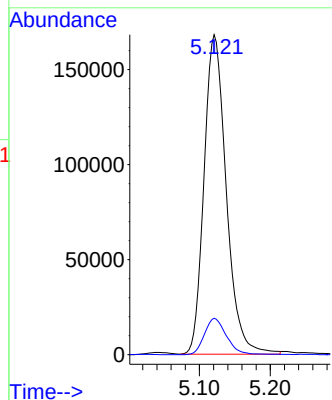
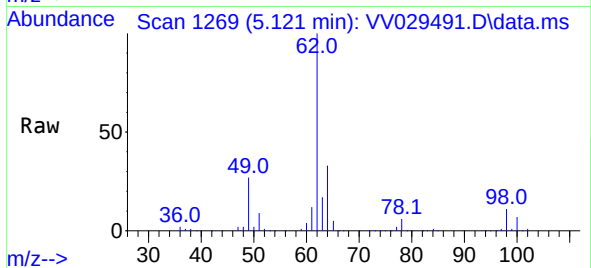
#27
1,2-Dichloroethane
Concen: 94.053 ug/L
RT: 5.121 min Scan# 1129
Delta R.T. -0.003 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

Instrument :
MSVOA_V
ClientSampleId :
F5N00

Tgt Ion: 62 Resp: 36659
Ion Ratio Lower Upper
62 100
98 11.4 9.4 14.0

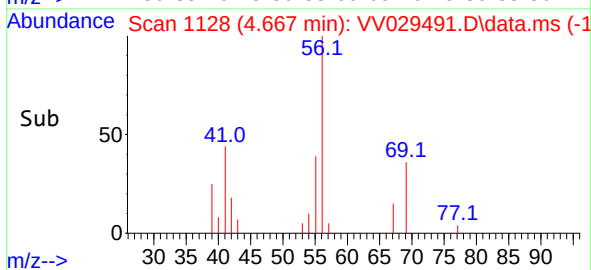
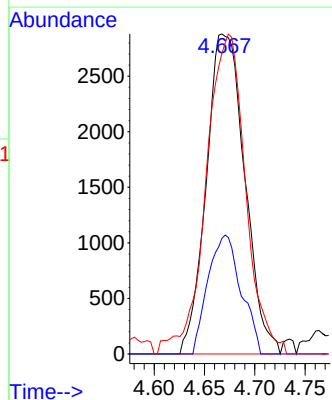
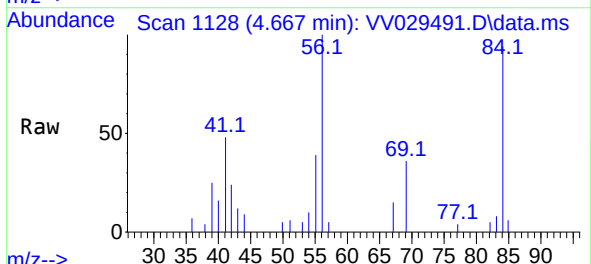
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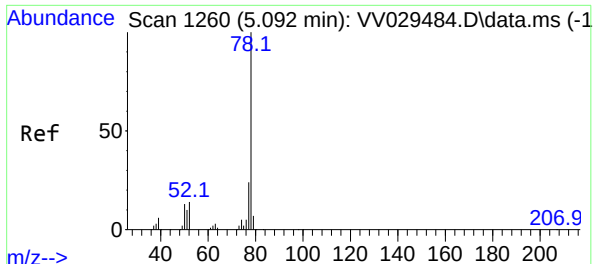
Reviewed By :Krupa Patel 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022



#29
Cyclohexane
Concen: 1.497 ug/L
RT: 4.667 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

Tgt Ion: 56 Resp: 7650
Ion Ratio Lower Upper
56 100
69 31.9 25.8 38.8
84 97.0 76.6 114.8





#33

Benzene

Concen: 7.891 ug/L

RT: 5.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV029491.D

Acq: 08 Dec 2022 22:30

Instrument :

MSVOA_V

ClientSampleId :

F5N00

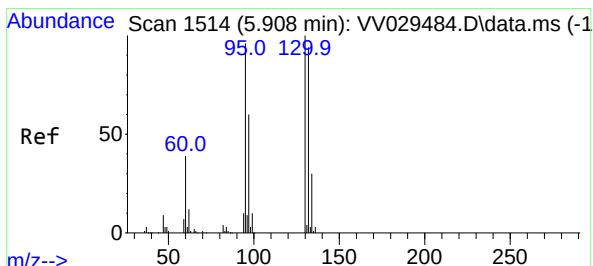
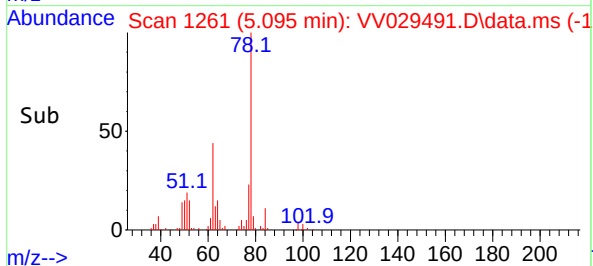
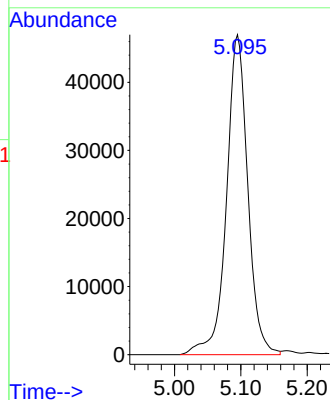
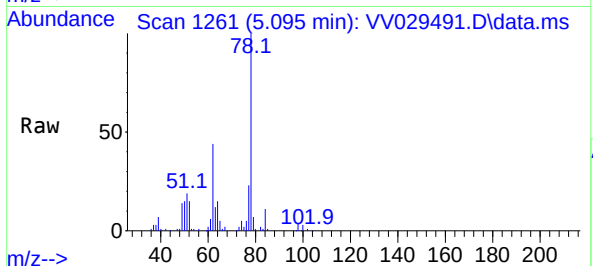
Tgt Ion: 78 Resp: 104929

Manual Integrations

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Supervised By :Mahesh Dadoda 12/09/2022



#34

Trichloroethene

Concen: 27.572 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VV029491.D

Acq: 08 Dec 2022 22:30

Tgt Ion: 95 Resp: 91875

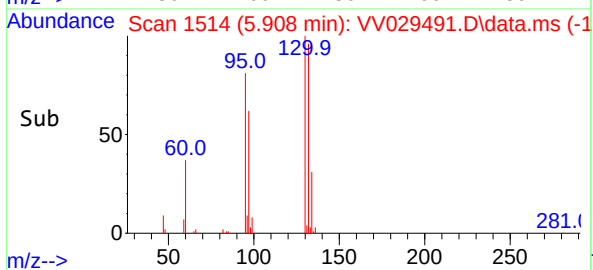
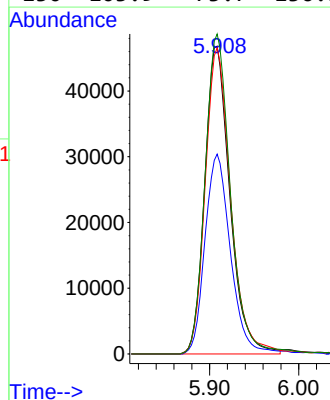
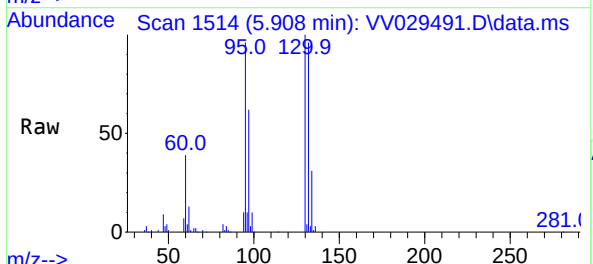
Ion Ratio Lower Upper

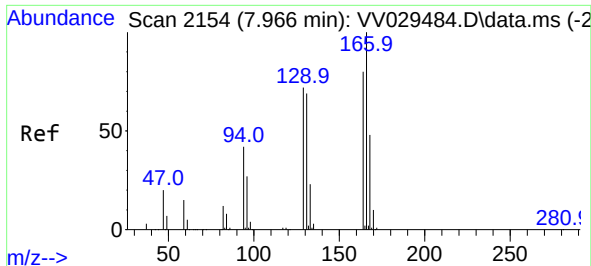
95 100

97 64.9 44.0 81.8

132 99.4 69.9 129.9

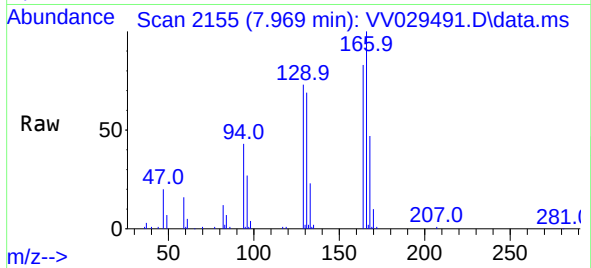
130 103.9 73.7 136.9





#46
Tetrachloroethene
Concen: 14.504 ug/L
RT: 7.969 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

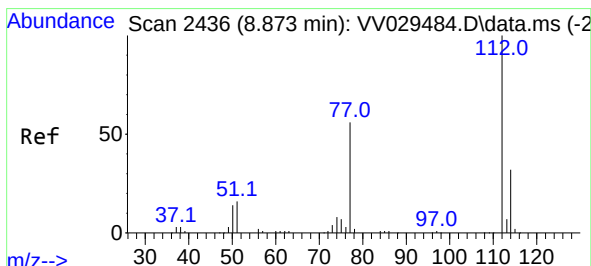
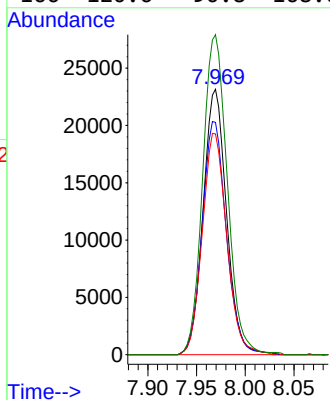
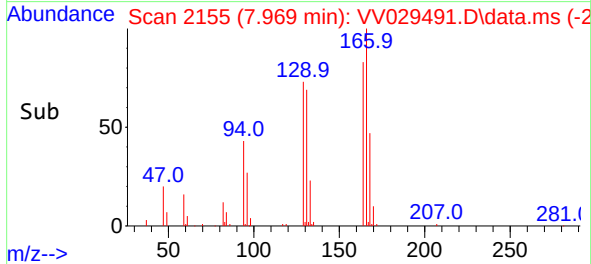
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MSVOA_V
ClientSampleId :
F5N00



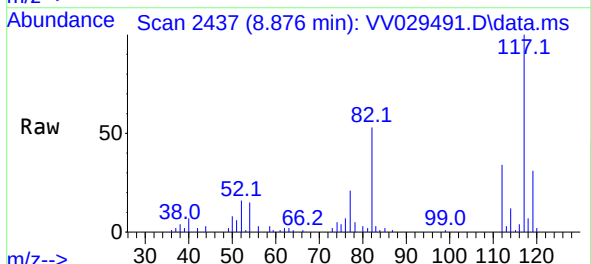
Tgt Ion:164 Resp: 3885
Ion Ratio Lower Upper
164 100
129 87.5 65.3 121.3
131 83.2 63.1 117.1
166 120.6 90.8 168.6

Manual Integrations
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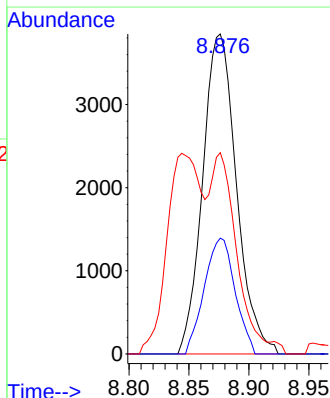
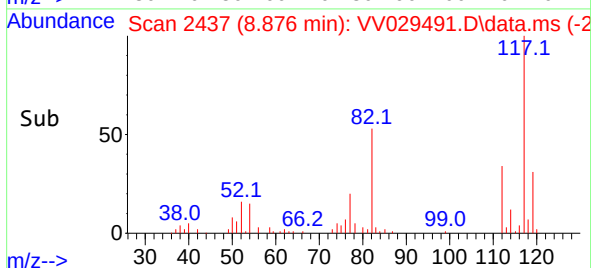
Reviewed By :Krupa Patel 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022

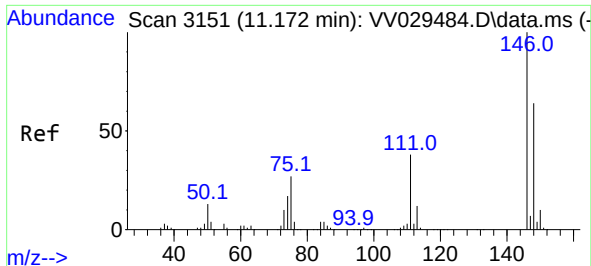


#51
Chlorobenzene
Concen: 0.833 ug/L
RT: 8.876 min Scan# 2437
Delta R.T. 0.003 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30



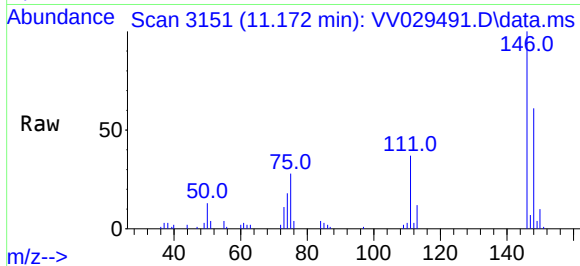
Tgt Ion:112 Resp: 7547
Ion Ratio Lower Upper
112 100
114 36.2 22.3 41.3
77 62.9 45.0 67.4





#64
1,3-Dichlorobenzene
Concen: 2.871 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30

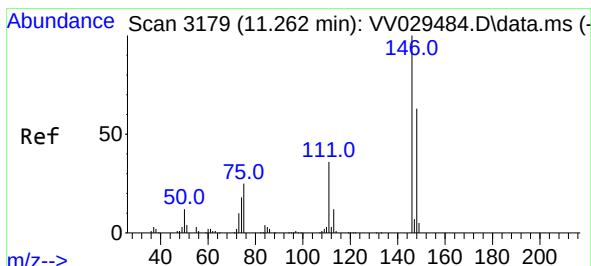
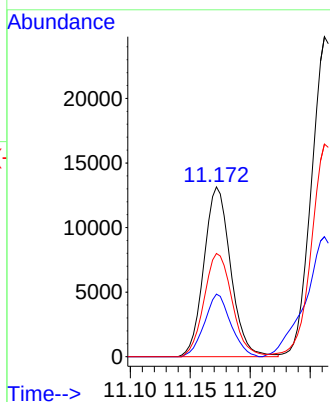
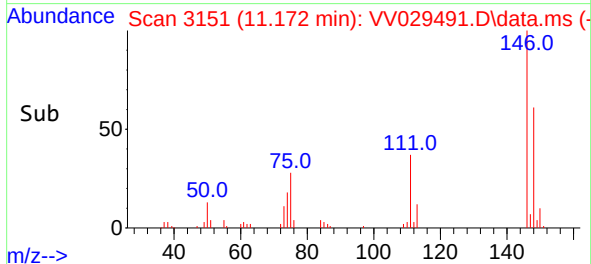
Instrument :
MSVOA_V
ClientSampleId :
F5N00



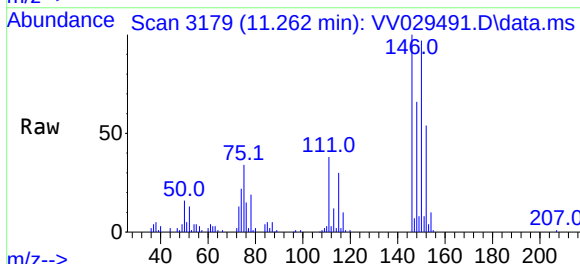
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Ion Ratio Lower Upper
146 100
111 36.8 27.4 51.0
148 60.8 44.6 82.8

Manual Integrations
APPROVED

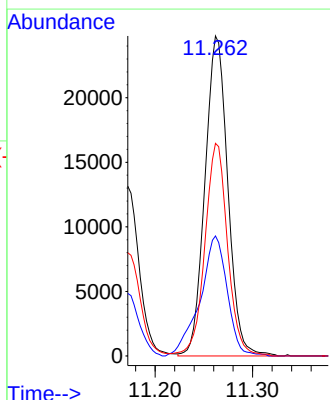
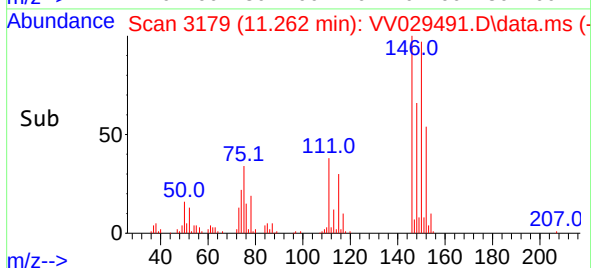
Reviewed By :Krupa Patel 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022

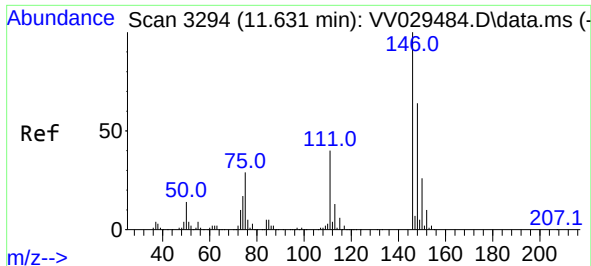


#65
1,4-Dichlorobenzene
Concen: 5.598 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VV029491.D
Acq: 08 Dec 2022 22:30



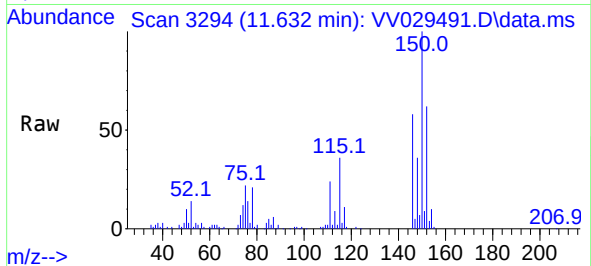
Tgt Ion:146 Resp: 40413
Ion Ratio Lower Upper
146 100
111 37.5 26.2 48.8
148 66.4 44.7 83.1





#67
 1,2-Dichlorobenzene
 Concen: 6.232 ug/L
 RT: 11.632 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV029491.D
 Acq: 08 Dec 2022 22:30

Instrument :
 MSVOA_V
 ClientSampleId :
 F5N00



Tgt Ion:146 Resp: 45269
 Ion Ratio Lower Upper
 146 100
 111 41.0 32.0 48.0
 148 62.5 50.6 76.0

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/09/2022
 Supervised By :Mahesh Dadoda 12/09/2022

