

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033394.D
 Acq On : 15 Dec 2023 21:53
 Operator : SY/MD
 Sample : 05846-15
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 YCHD6

Quant Time: Dec 16 00:21:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 15 23:24:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/16/2023
 Supervised By : Mahesh Dadoda 12/18/2023

12/16/2023
 Supervised By : Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	223589	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	231977	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	95663	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.278	65	81137	47.122	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.240%
7) Chloroethane-d5	1.532	69	71420	46.220	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.440%
11) 1,1-Dichloroethene-d2	2.060	65	39925	46.580	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.160%
21) 2-Butanone-d5	3.783	46	86585	99.777	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.780%
24) Chloroform-d	4.249	84	157630	46.281	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.560%
26) 1,2-Dichloroethane-d4	4.941	65	101945	48.724	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.440%
32) Benzene-d6	4.960	84	296466	47.451	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.900%
36) 1,2-Dichloropropane-d6	5.986	67	90707	47.836	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.680%
41) Toluene-d8	7.243	98	252096	44.096	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	7.555	79	40881	43.990	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.980%
47) 2-Hexanone-d5	8.024	63	54985	86.212	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.210%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	124801	45.792	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.580%
66) 1,2-Dichlorobenzene-d4	11.561	152	99382	55.284	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.560%

Target Compounds

						Qvalue
5) Vinyl chloride	1.285	62	21821	12.036	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	8388	4.523	ug/L #	82
12) 1,1-Dichloroethene	2.069	96	614721m	390.149	ug/L	
13) Acetone	2.111	43	40657	40.362	ug/L	98
14) Carbon disulfide	2.240	76	4588	1.139	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	2845	0.629	ug/L #	81
19) 1,1-Dichloroethane	3.111	63	46794	16.394	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	81591	48.320	ug/L	95
22) 2-Butanone	3.876	43	36761m	37.042	ug/L	
25) Chloroform	4.278	83	8285	2.579	ug/L	97
27) 1,2-Dichloroethane	5.043	62	48159	19.450	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	108155	37.762	ug/L	98
33) Benzene	5.018	78	9945m	1.608	ug/L	
34) Trichloroethene	5.834	95	62787	37.014	ug/L	98
37) 1,2-Dichloropropane	6.095	63	4284m	2.555	ug/L	
46) Tetrachloroethene	7.912	164	2786	2.102	ug/L	92

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

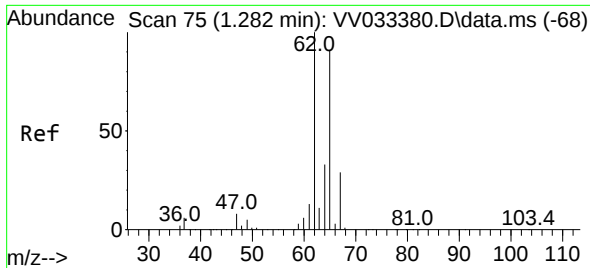
Instrument :
MSVOA_V
ClientSampleId :
YCHD6

Manual Integrations
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Supervised By :Mahesh Dadoda 12/18/2023

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Dadoda

12/18/2023



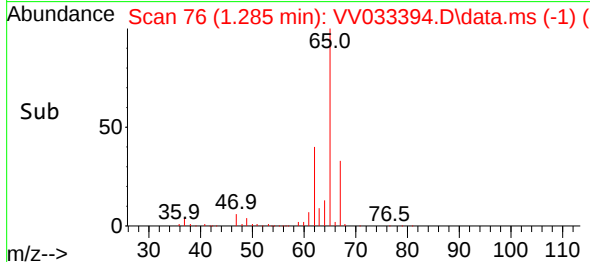
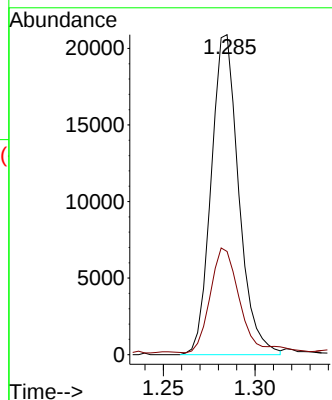
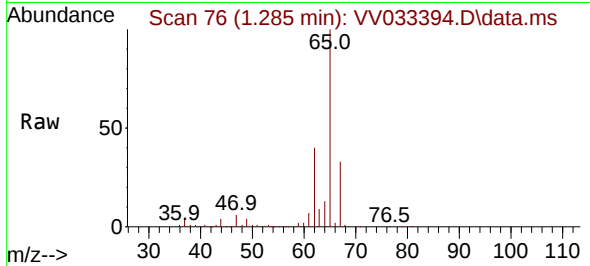
#5
 Vinyl chloride
 Concen: 12.036 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV033394.D
 Acq: 15 Dec 2023 21:53

Instrument :
 MSVOA_V
 ClientSampleId :
 YCHD6

Tgt Ion: 62 Resp: 2182
 Ion Ratio Lower Upper
 62 100
 64 32.2 23.4 43.6

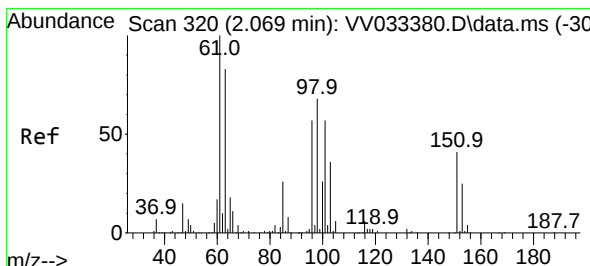
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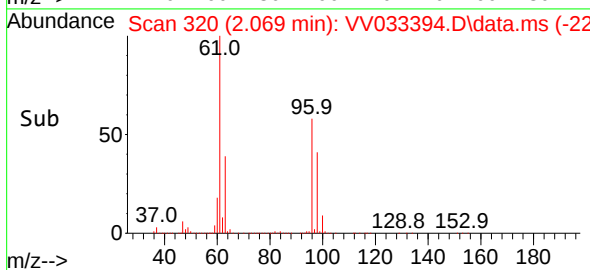
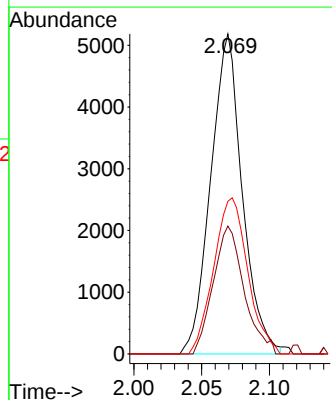
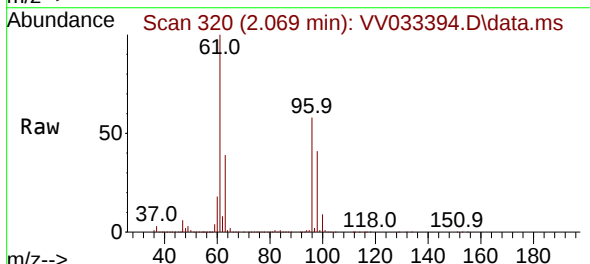
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 Dadoda

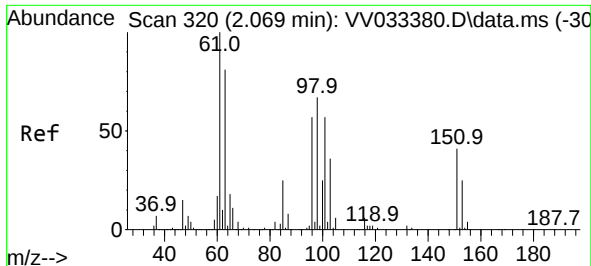
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#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.523 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033394.D
 Acq: 15 Dec 2023 21:53

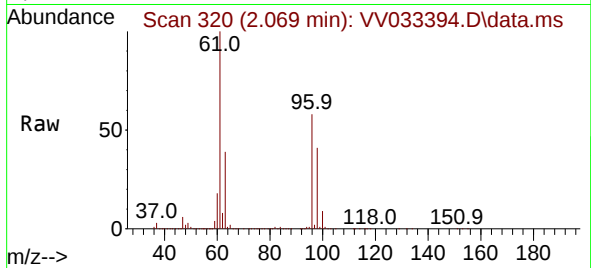
Tgt Ion:101 Resp: 8388
 Ion Ratio Lower Upper
 101 100
 85 39.1 36.6 54.8
 151 52.7 57.0 85.6#





#12
1,1-Dichloroethene
Concen: 390.149 ug/L m
RT: 2.069 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV033394.D
Acq: 15 Dec 2023 21:53

Instrument :
MSVOA_V
ClientSampleId :
YCHD6



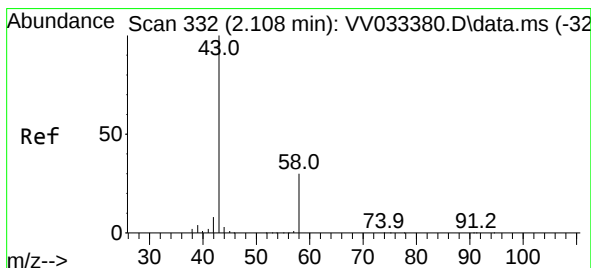
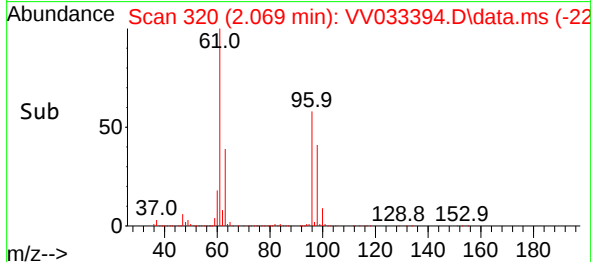
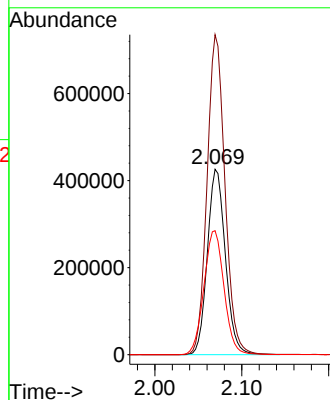
Tgt Ion: 96 Resp: 61472
Ion Ratio Lower Upper
96 100
61 172.6 124.3 230.8
63 66.9 108.1 200.7

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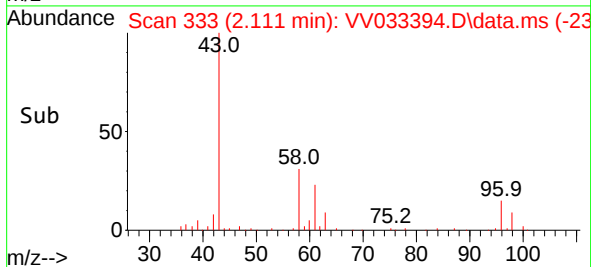
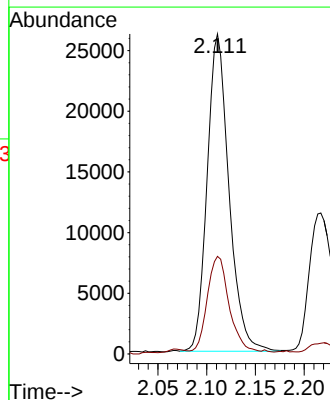
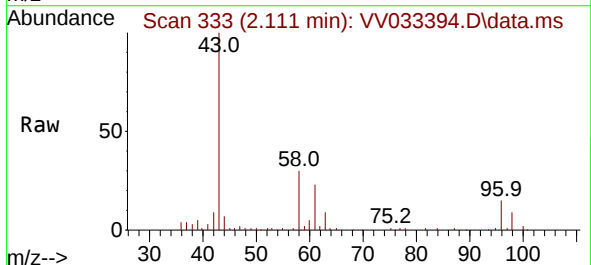
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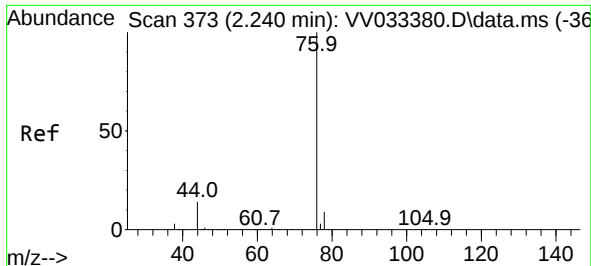
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#13
Acetone
Concen: 40.362 ug/L
RT: 2.111 min Scan# 333
Delta R.T. 0.003 min
Lab File: VV033394.D
Acq: 15 Dec 2023 21:53

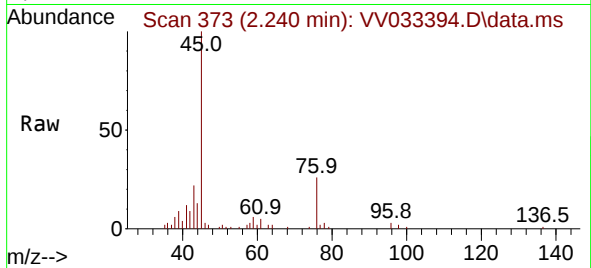
Tgt Ion: 43 Resp: 40657
Ion Ratio Lower Upper
43 100
58 30.9 0.0 59.2





#14
Carbon disulfide
Concen: 1.139 ug/L
RT: 2.240 min Scan# 373
Delta R.T. -0.000 min
Lab File: VV033394.D
Acq: 15 Dec 2023 21:53

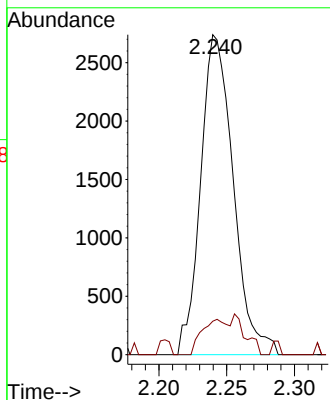
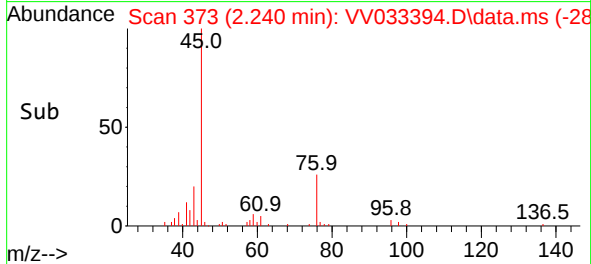
Instrument :
MSVOA_V
ClientSampleId :
YCHD6



Tgt Ion: 76 Resp: 4588
Ion Ratio Lower Upper
76 100
78 10.4 7.6 11.4

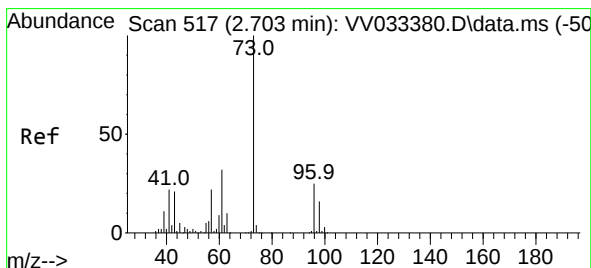
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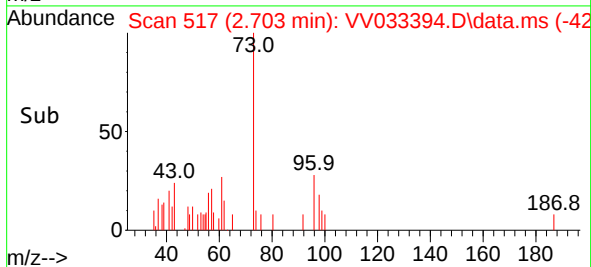
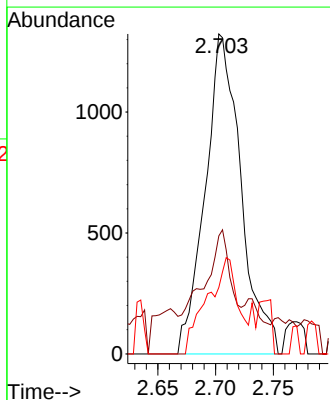
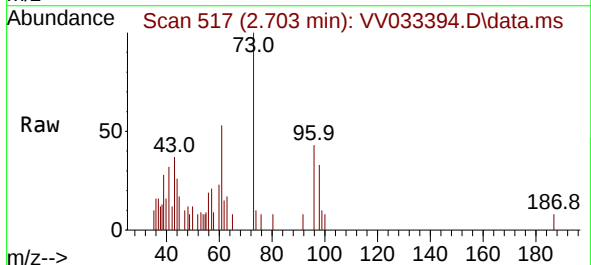
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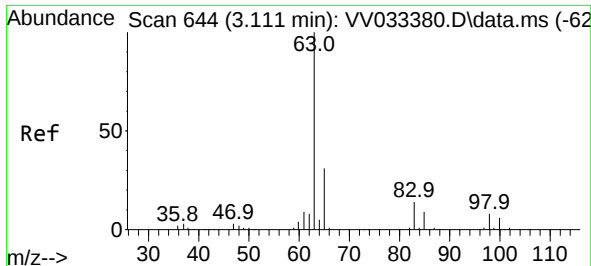
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#18
Methyl tert-butyl Ether
Concen: 0.629 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV033394.D
Acq: 15 Dec 2023 21:53

Tgt Ion: 73 Resp: 2845
Ion Ratio Lower Upper
73 100
43 12.9 16.3 24.5#
57 11.4 17.3 25.9#





#19

1,1-Dichloroethane

Concen: 16.394 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV033394.D

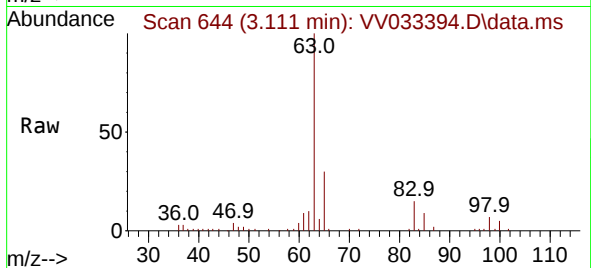
Acq: 15 Dec 2023 21:53

Instrument :

MSVOA_V

ClientSampleId :

YCHD6



Tgt Ion:	63	Resp:	46794
Ion Ratio	Lower	Upper	
63	100		
65	30.4	21.1	39.3
83	14.7	9.7	17.9

Manual Integrations

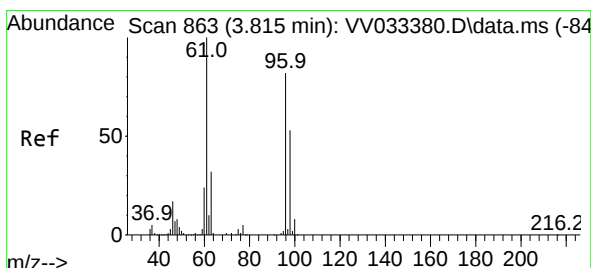
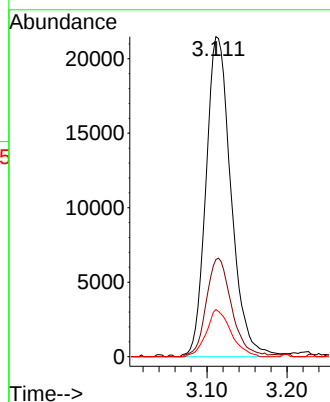
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#20

cis-1,2-Dichloroethene

Concen: 48.320 ug/L

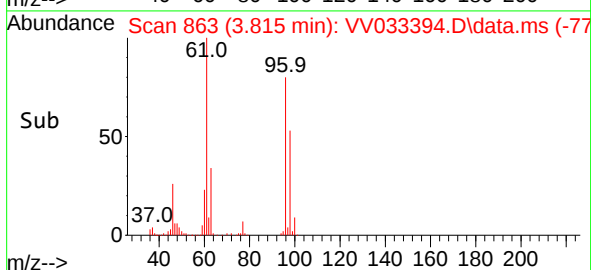
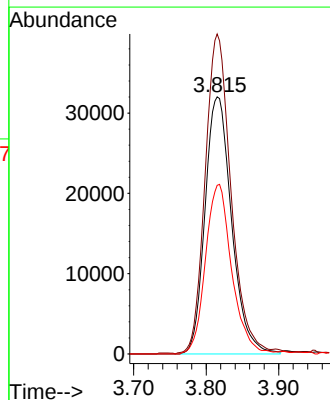
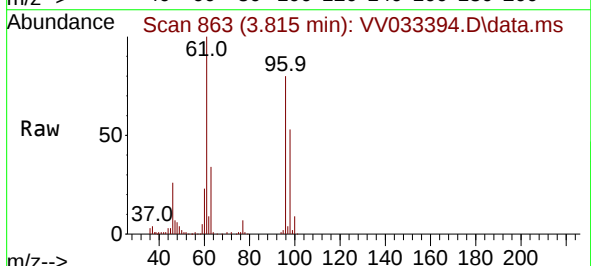
RT: 3.815 min Scan# 863

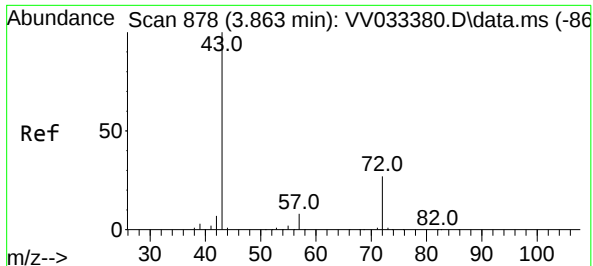
Delta R.T. -0.000 min

Lab File: VV033394.D

Acq: 15 Dec 2023 21:53

Tgt Ion:	96	Resp:	81591
Ion Ratio	Lower	Upper	
96	100		
61	124.5	81.9	152.1
98	65.6	44.3	82.3





#22

2-Butanone

Concen: 37.042 ug/L m

RT: 3.876 min Scan# 81

Delta R.T. 0.013 min

Lab File: VV033394.D

Acq: 15 Dec 2023 21:53

Instrument :

MSVOA_V

ClientSampleId :

YCHD6

Tgt Ion: 43 Resp: 3676

Ion Ratio Lower Upper

43 100

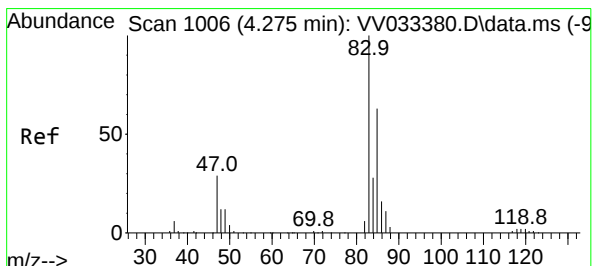
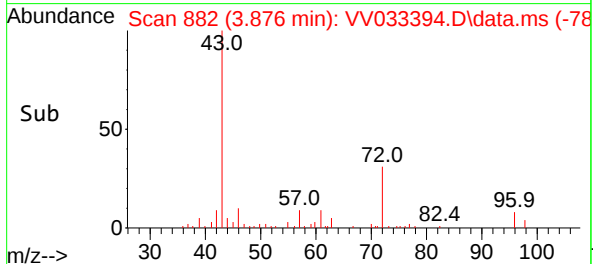
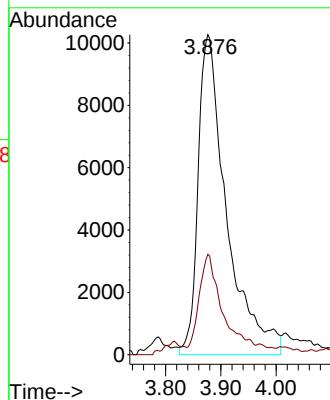
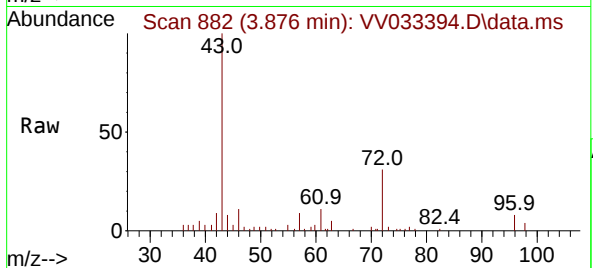
72 21.9 12.4 37.4

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#25

Chloroform

Concen: 2.579 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.003 min

Lab File: VV033394.D

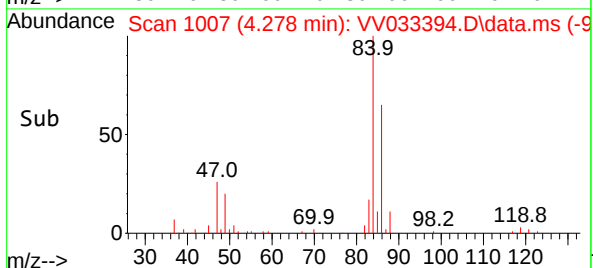
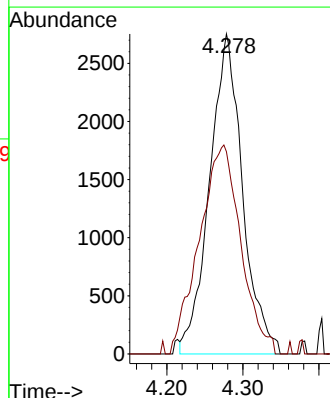
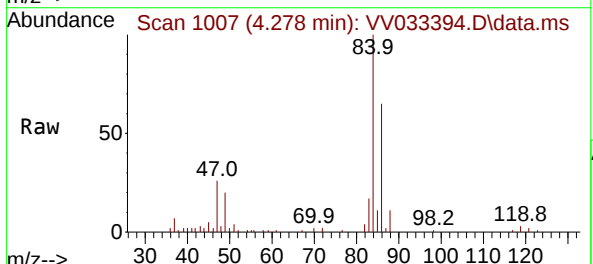
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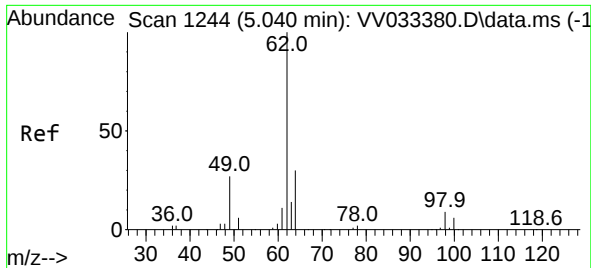
Tgt Ion: 83 Resp: 8285

Ion Ratio Lower Upper

83 100

85 63.2 46.1 85.7





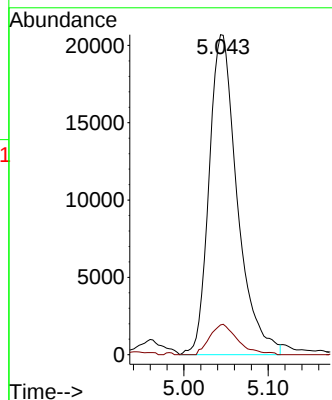
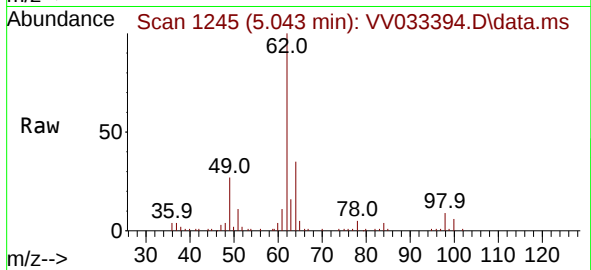
#27
1,2-Dichloroethane
Concen: 19.450 ug/L
RT: 5.043 min Scan# 1080
Delta R.T. 0.003 min
Lab File: VV033394.D
Acq: 15 Dec 2023 21:53

Instrument :
MSVOA_V
ClientSampleId :
YCHD6

Tgt Ion: 62 Resp: 4815
Ion Ratio Lower Upper
62 100
98 9.3 8.0 12.0

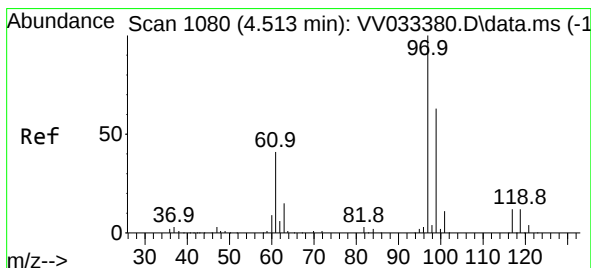
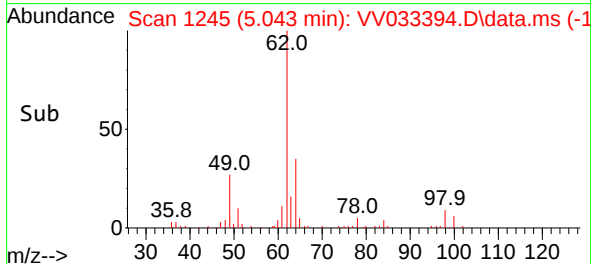
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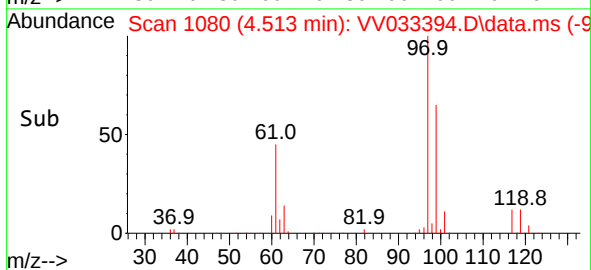
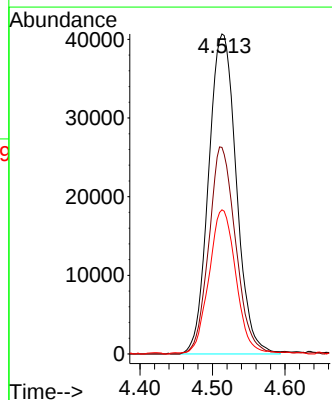
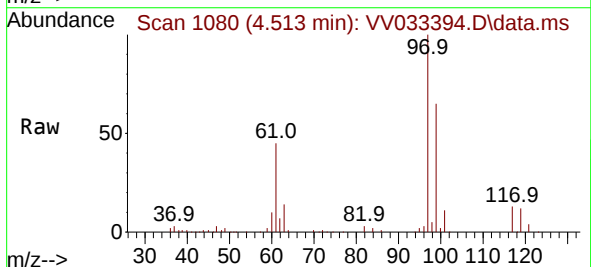
12/16/2023
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Dadoda

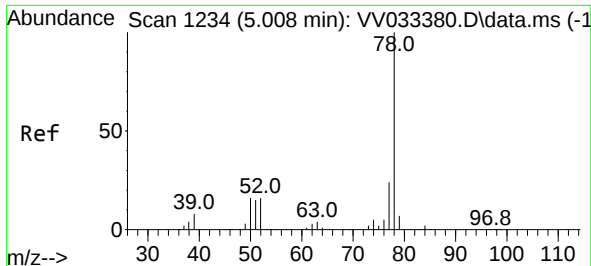
12/18/2023



#30
1,1,1-Trichloroethane
Concen: 37.762 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. -0.000 min
Lab File: VV033394.D
Acq: 15 Dec 2023 21:53

Tgt Ion: 97 Resp: 108155
Ion Ratio Lower Upper
97 100
99 62.7 51.8 77.6
61 43.1 34.8 52.2





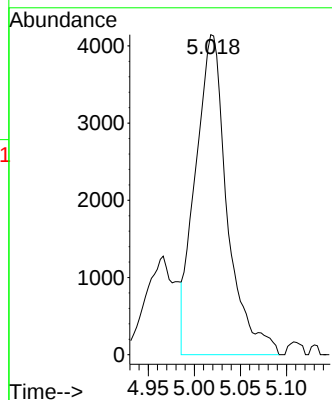
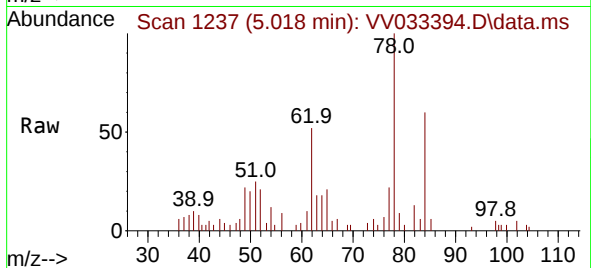
#33
Benzene
Concen: 1.608 ug/L m
RT: 5.018 min Scan# 1490
Delta R.T. 0.010 min
Lab File: VV033394.D
Acq: 15 Dec 2023 21:53

Instrument :
MSVOA_V
ClientSampleId :
YCHD6

Tgt Ion: 78 Resp: 994

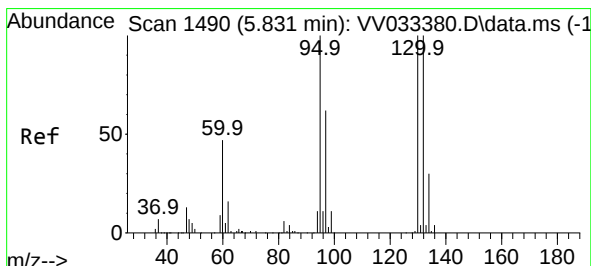
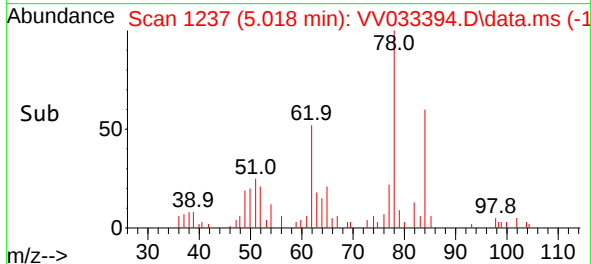
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



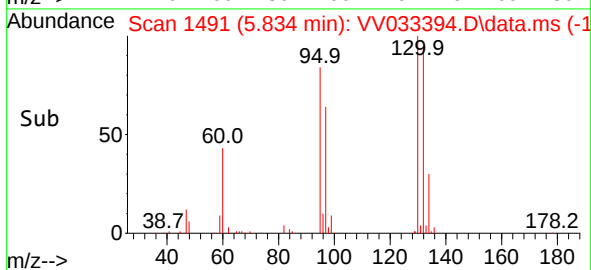
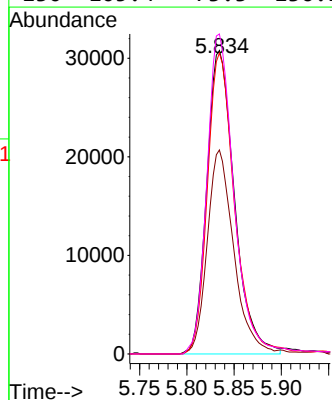
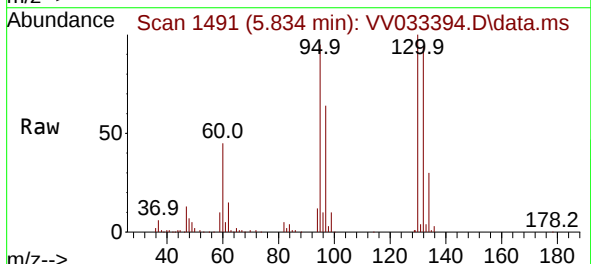
12/16/2023
Supervised By :Mahesh
Dadoda

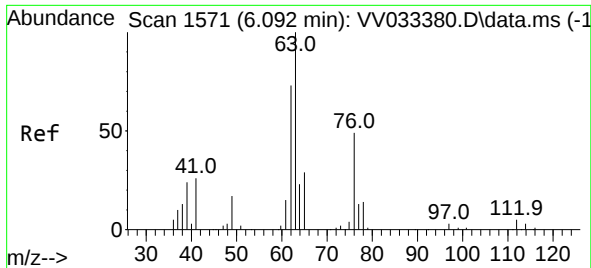
12/18/2023



#34
Trichloroethene
Concen: 37.014 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VV033394.D
Acq: 15 Dec 2023 21:53

Tgt Ion: 95 Resp: 62787
Ion Ratio Lower Upper
95 100
97 67.2 44.8 83.2
132 99.1 69.9 129.7
130 105.4 73.3 136.1





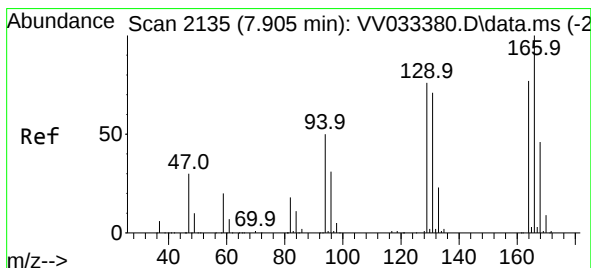
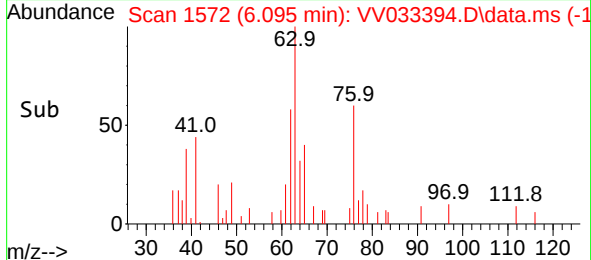
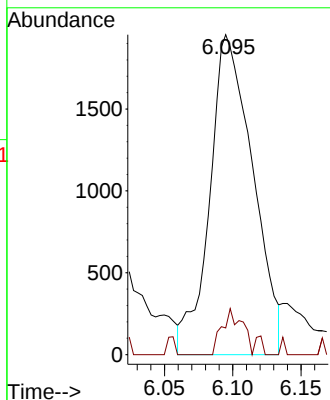
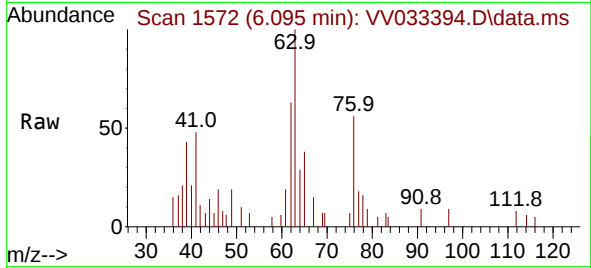
#37
1,2-Dichloropropane
Concen: 2.555 ug/L m
RT: 6.095 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV033394.D
Acq: 15 Dec 2023 21:53

Instrument :
MSVOA_V
ClientSampleId :
YCHD6

Tgt Ion: 63 Resp: 4284
Ion Ratio Lower Upper
63 100
112 2.1 3.7 5.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#46
Tetrachloroethene
Concen: 2.102 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.006 min
Lab File: VV033394.D
Acq: 15 Dec 2023 21:53

Tgt Ion:164 Resp: 2786
Ion Ratio Lower Upper
164 100
129 91.5 68.9 127.9
131 96.6 65.3 121.3
166 110.9 86.9 161.3

