

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033392.D
 Acq On : 15 Dec 2023 21:07
 Operator : SY/MD
 Sample : 05846-13
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 YCHD4

Quant Time: Dec 16 00:20:18 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

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	223954	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	232956	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	98364	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	82691	47.947	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.900%		
7) Chloroethane-d5	1.532	69	73339	47.385	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.780%		
11) 1,1-Dichloroethene-d2	2.060	65	43050	50.144	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	100.280%		
21) 2-Butanone-d5	3.780	46	89958	103.495	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.490%		
24) Chloroform-d	4.246	84	157693	46.224	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.440%		
26) 1,2-Dichloroethane-d4	4.940	65	101522	48.442	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.880%		
32) Benzene-d6	4.960	84	293749	46.818	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.640%		
36) 1,2-Dichloropropane-d6	5.989	67	91519	48.061	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.120%		
41) Toluene-d8	7.243	98	251167	43.749	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.500%		
43) trans-1,3-Dichloroprop...	7.555	79	39165	41.967	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.940%		
47) 2-Hexanone-d5	8.024	63	58852	91.887	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.890%		
56) 1,1,2,2-Tetrachloroeth...	10.152	84	129531	47.328	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.660%		
66) 1,2-Dichlorobenzene-d4	11.561	152	99017	53.568	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.140%		
Target Compounds						Qvalue
5) Vinyl chloride	1.281	62	163106	89.820	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	15058	8.106	ug/L #	80
12) 1,1-Dichloroethene	2.069	96	1802864	1142.371	ug/L #	63
13) Acetone	2.111	43	40177	39.821	ug/L	96
14) Carbon disulfide	2.240	76	5527	1.370	ug/L #	86
19) 1,1-Dichloroethane	3.111	63	177825	62.199	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	33176	19.615	ug/L	99
22) 2-Butanone	3.892	43	11308m	11.376	ug/L	
25) Chloroform	4.275	83	10105	3.141	ug/L	93
27) 1,2-Dichloroethane	5.050	62	9432	3.803	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	108682	37.786	ug/L	99
33) Benzene	5.014	78	53323	8.588	ug/L	100
34) Trichloroethene	5.838	95	19664	11.544	ug/L	97
37) 1,2-Dichloropropane	6.098	63	3568m	2.119	ug/L	

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

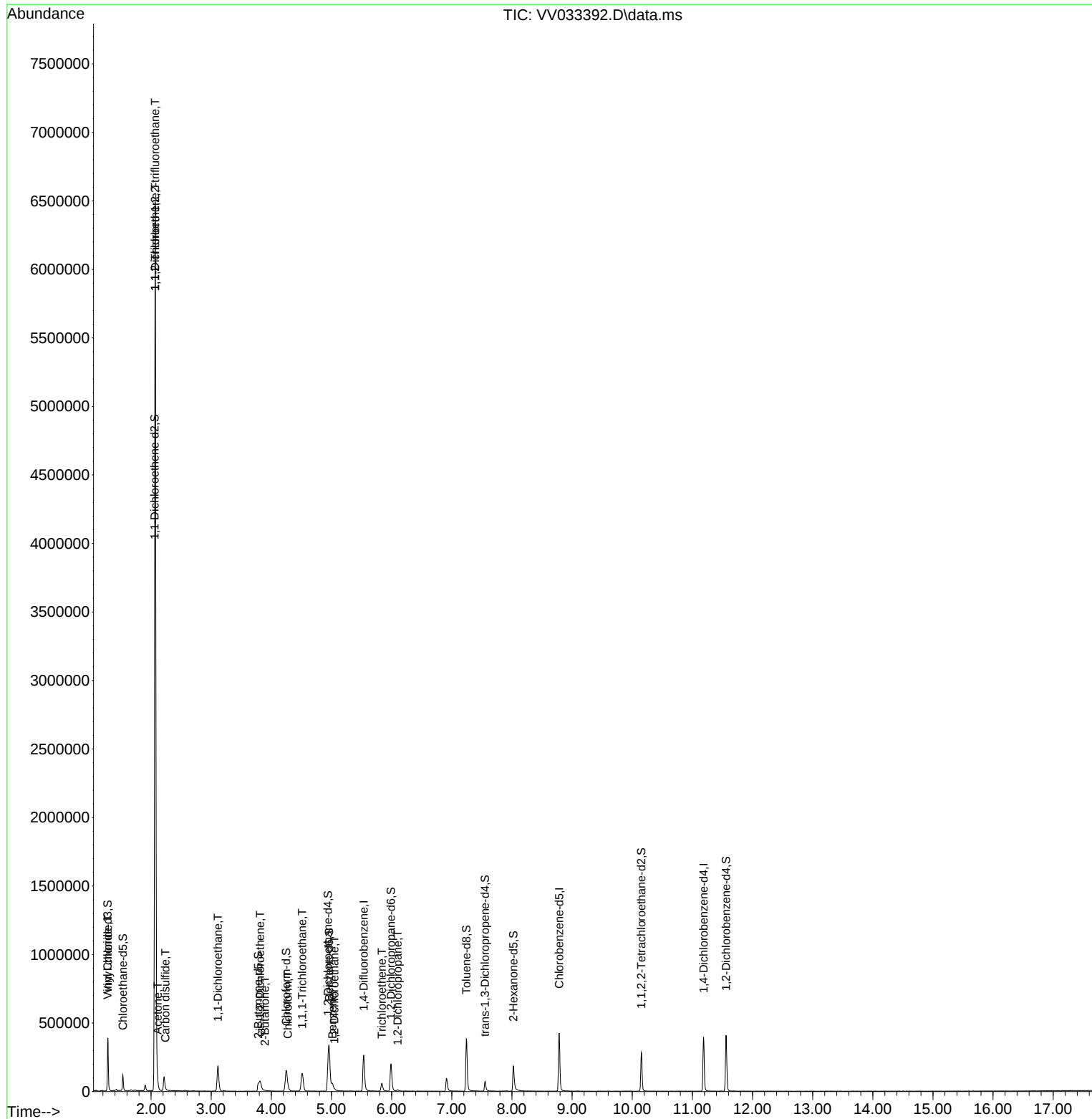
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121523\
Data File : VV033392.D
Acq On : 15 Dec 2023 21:07
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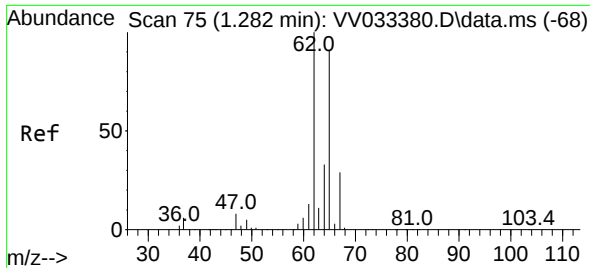
Instrument :
MSVOA_V
ClientSampleId :
YCHD4

Quant Time: Dec 16 00:20:18 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

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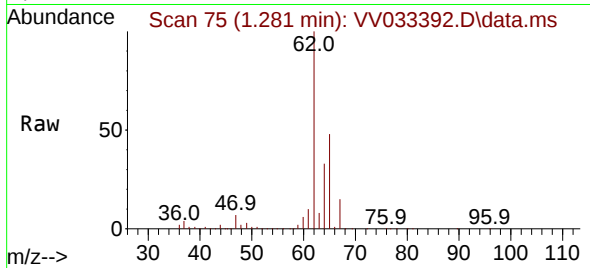
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023





#5
 Vinyl chloride
 Concen: 89.820 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV033392.D
 Acq: 15 Dec 2023 21:07

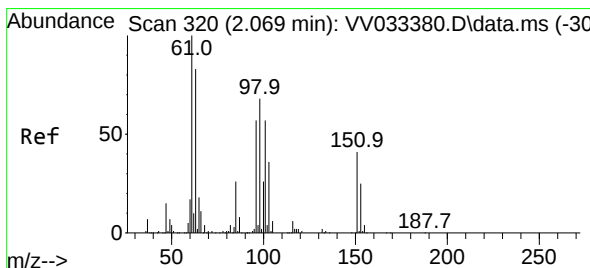
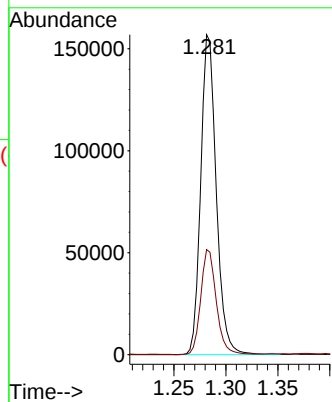
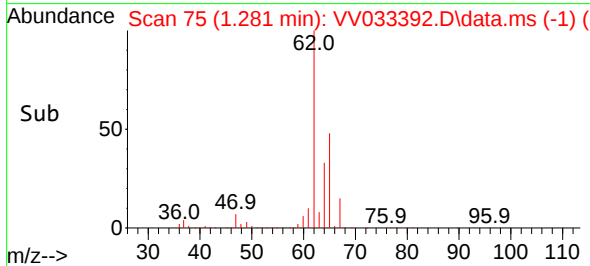
Instrument :
 MSVOA_V
 Client Sample Id :
 YCHD4



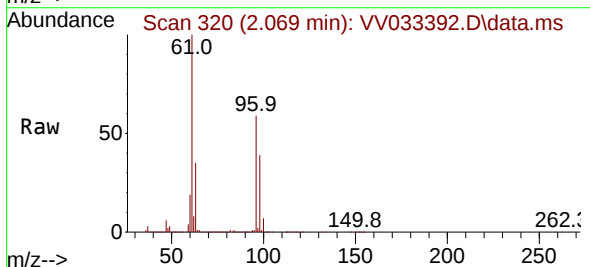
Tgt Ion: 62 Resp: 163100
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.4 43.6

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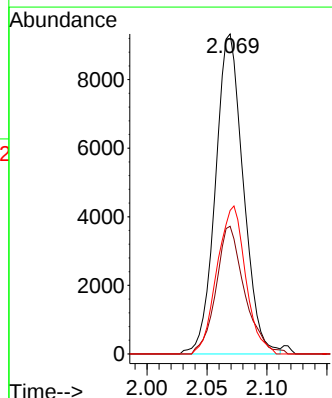
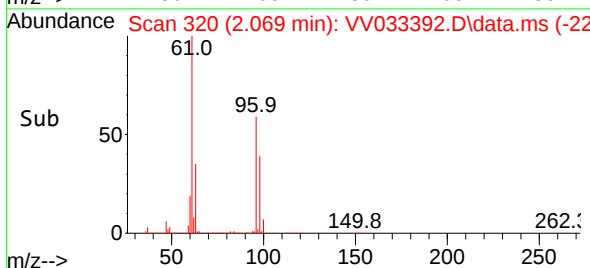
Reviewed By :Semsettin Yesilyurt 12/16/2023
 Supervised By :Mahesh Dadoda 12/18/2023

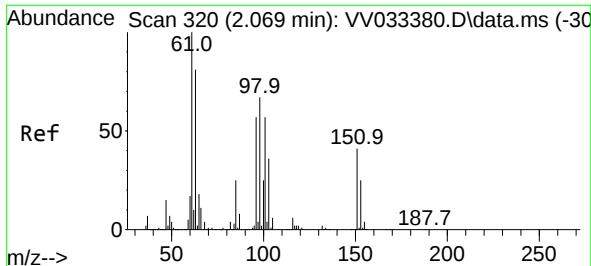


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 8.106 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033392.D
 Acq: 15 Dec 2023 21:07



Tgt Ion:101 Resp: 15058
 Ion Ratio Lower Upper
 101 100
 85 40.7 36.6 54.8
 151 47.5 57.0 85.6





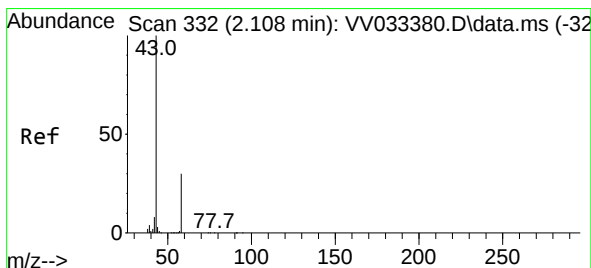
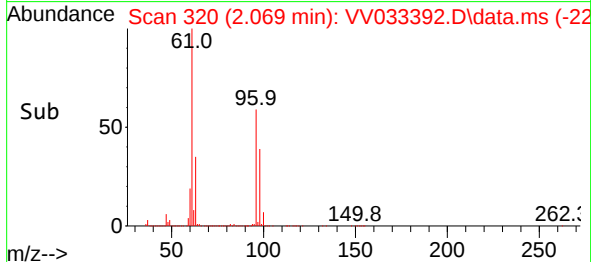
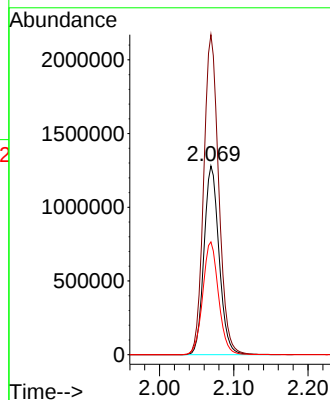
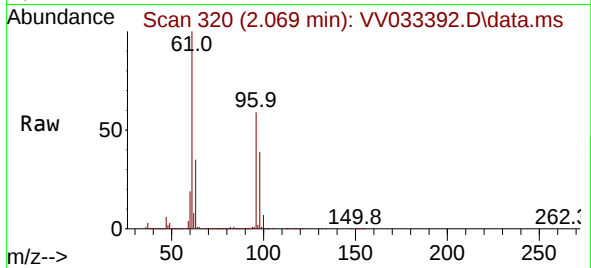
#12
1,1-Dichloroethene
Concen: 1142.371 ug/L
RT: 2.069 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV033392.D
Acq: 15 Dec 2023 21:07

Instrument :
MSVOA_V
ClientSampleId :
YCHD4

Tgt Ion: 96 Resp: 1802864
Ion Ratio Lower Upper
96 100
61 169.5 124.3 230.8
63 59.8 108.1 200.7

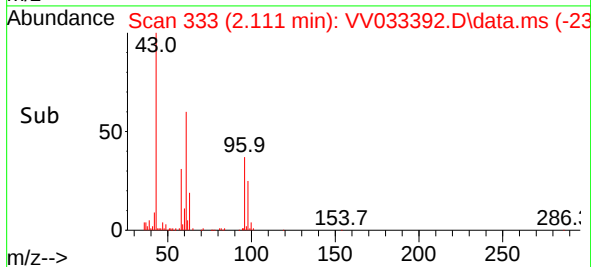
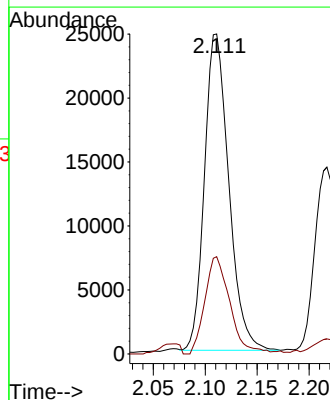
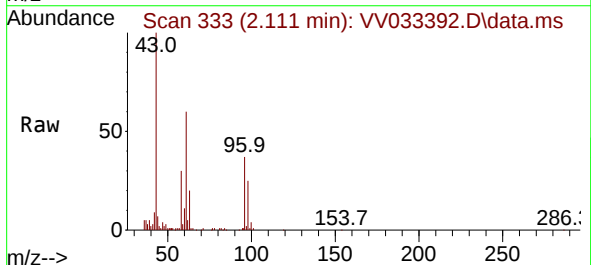
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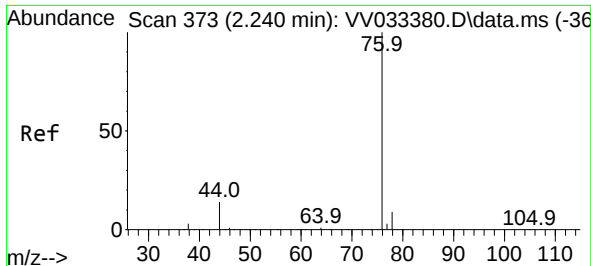
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#13
Acetone
Concen: 39.821 ug/L
RT: 2.111 min Scan# 333
Delta R.T. 0.003 min
Lab File: VV033392.D
Acq: 15 Dec 2023 21:07

Tgt Ion: 43 Resp: 40177
Ion Ratio Lower Upper
43 100
58 31.6 0.0 59.2





#14

Carbon disulfide

Concen: 1.370 ug/L

RT: 2.240 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033392.D

Acq: 15 Dec 2023 21:07

Instrument :

MSVOA_V

ClientSampleId :

YCHD4

Tgt Ion: 76 Resp: 552

Ion Ratio Lower Upper

76 100

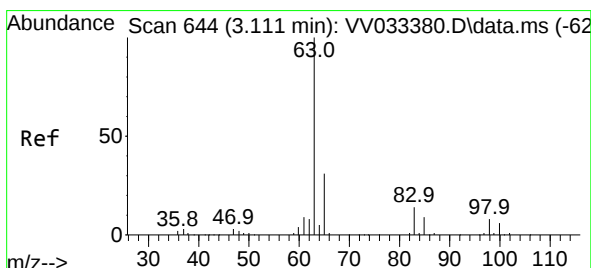
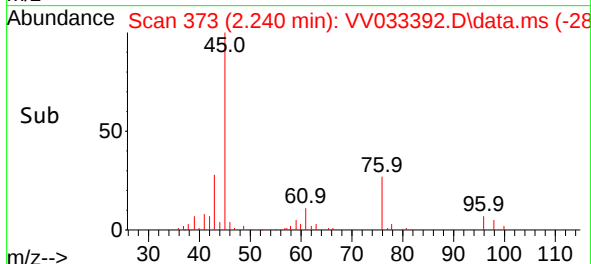
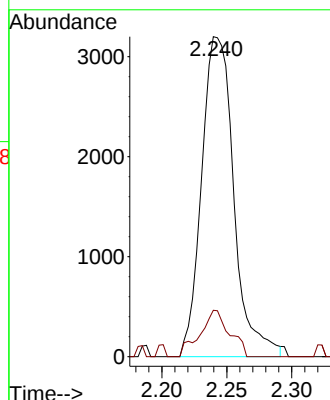
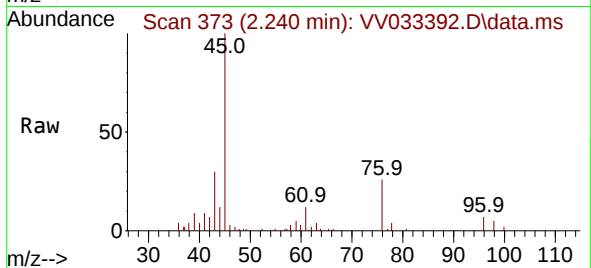
78 14.5 7.6 11.4

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Supervised By :Mahesh Dadoda 12/18/2023



#19

1,1-Dichloroethane

Concen: 62.199 ug/L

RT: 3.111 min Scan# 644

Delta R.T. -0.000 min

Lab File: VV033392.D

Acq: 15 Dec 2023 21:07

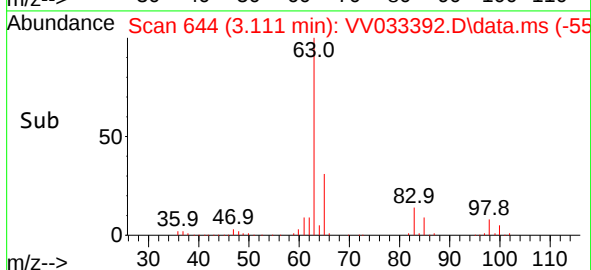
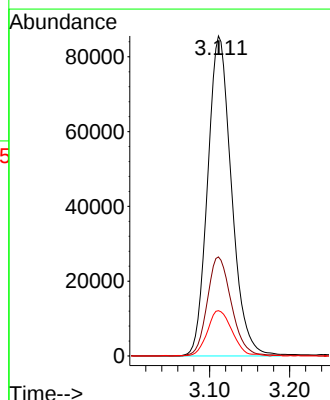
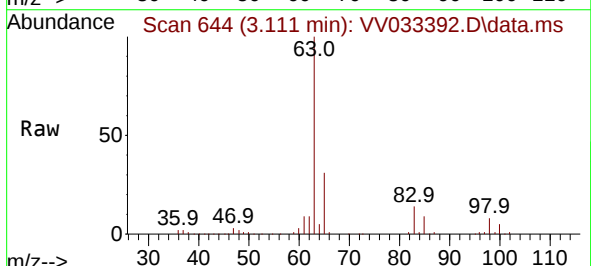
Tgt Ion: 63 Resp: 177825

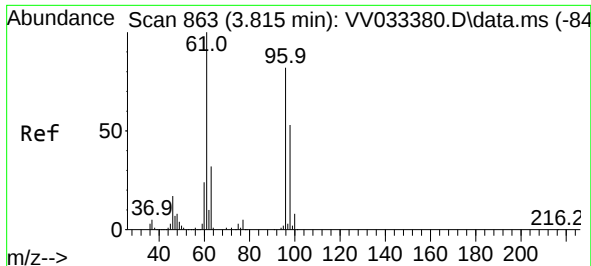
Ion Ratio Lower Upper

63 100

65 30.9 21.1 39.3

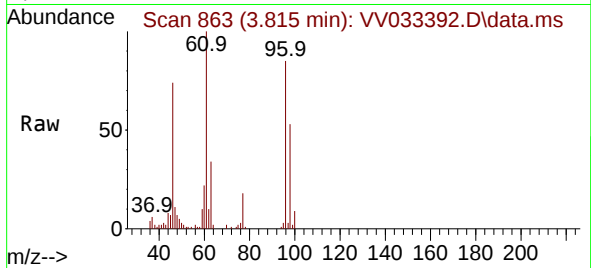
83 14.2 9.7 17.9





#20
 cis-1,2-Dichloroethene
 Concen: 19.615 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. -0.000 min
 Lab File: VV033392.D
 Acq: 15 Dec 2023 21:07

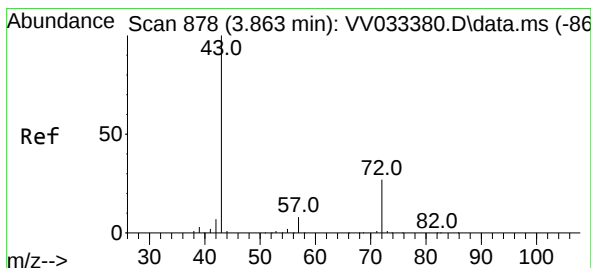
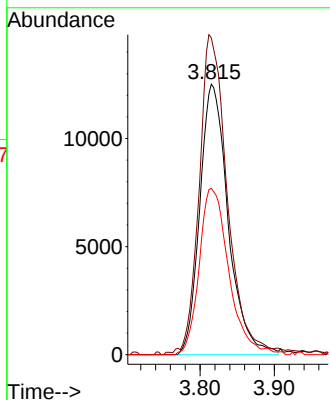
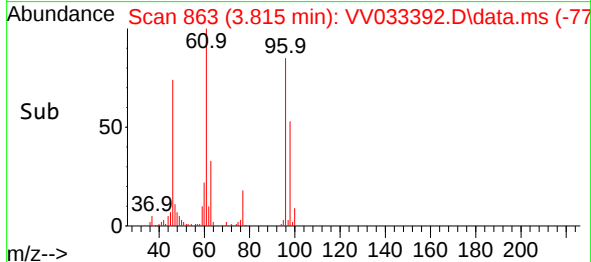
Instrument :
 MSVOA_V
 ClientSampleId :
 YCHD4



Tgt Ion: 96 Resp: 33170
 Ion Ratio Lower Upper
 96 100
 61 117.1 81.9 152.1
 98 61.5 44.3 82.3

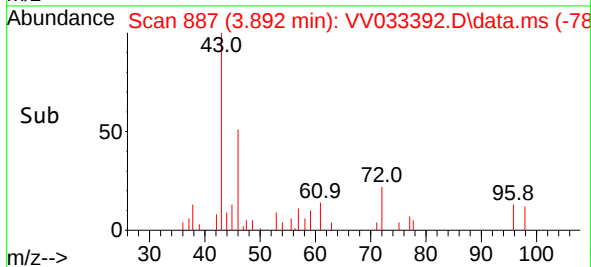
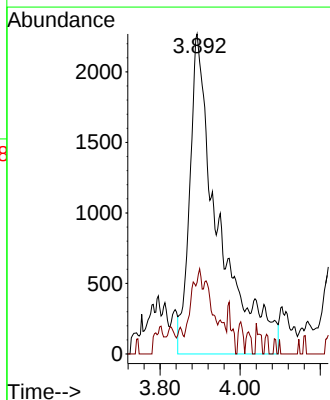
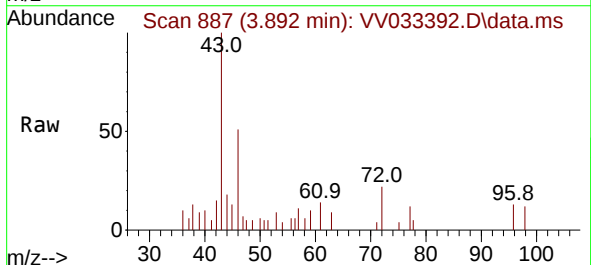
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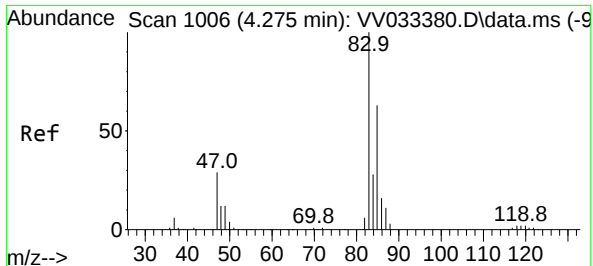
Reviewed By :Semsettin Yesilyurt 12/16/2023
 Supervised By :Mahesh Dadoda 12/18/2023



#22
 2-Butanone
 Concen: 11.376 ug/L m
 RT: 3.892 min Scan# 887
 Delta R.T. 0.029 min
 Lab File: VV033392.D
 Acq: 15 Dec 2023 21:07

Tgt Ion: 43 Resp: 11308
 Ion Ratio Lower Upper
 43 100
 72 0.4 12.4 37.4#





#25

Chloroform

Concen: 3.141 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VV033392.D

Acq: 15 Dec 2023 21:07

Instrument :

MSVOA_V

ClientSampleId :

YCHD4

Tgt Ion: 83 Resp: 1010

Ion Ratio Lower Upper

83 100

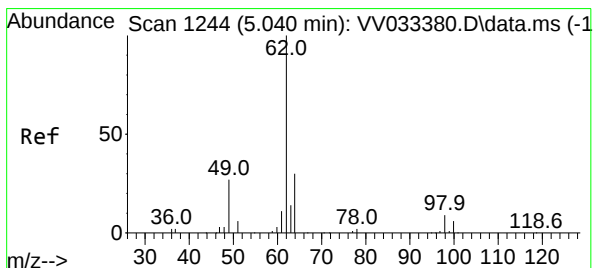
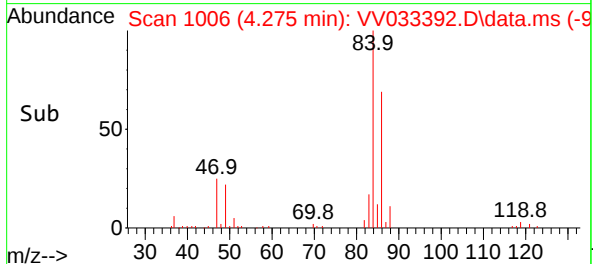
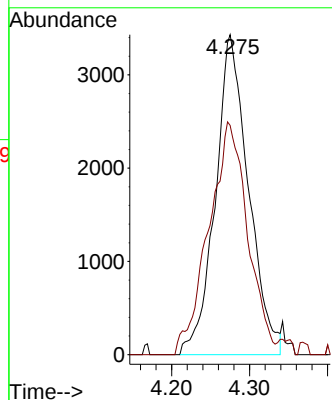
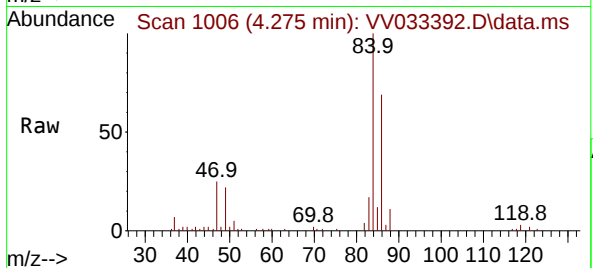
85 71.7 46.1 85.7

Manual Integrations

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#27

1,2-Dichloroethane

Concen: 3.803 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.010 min

Lab File: VV033392.D

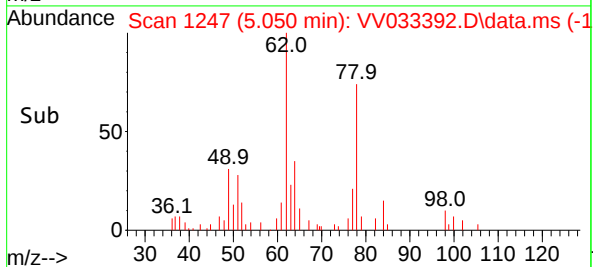
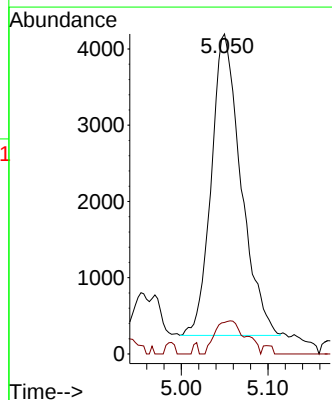
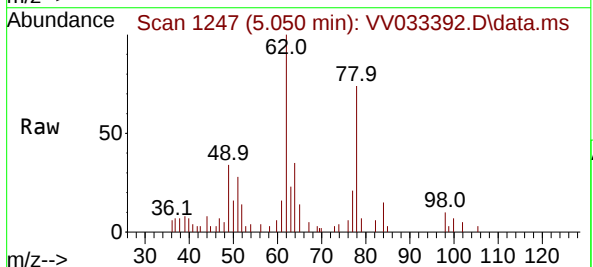
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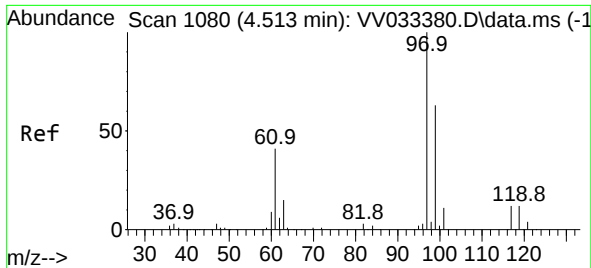
Tgt Ion: 62 Resp: 9432

Ion Ratio Lower Upper

62 100

98 9.9 8.0 12.0





#30

1,1,1-Trichloroethane

Concen: 37.786 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.000 min

Lab File: VV033392.D

Acq: 15 Dec 2023 21:07

Instrument :

MSVOA_V

ClientSampleId :

YCHD4

Tgt Ion: 97 Resp: 10868

Ion Ratio Lower Upper

97 100

99 63.1 51.8 77.6

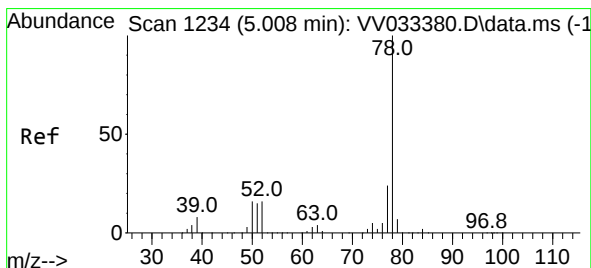
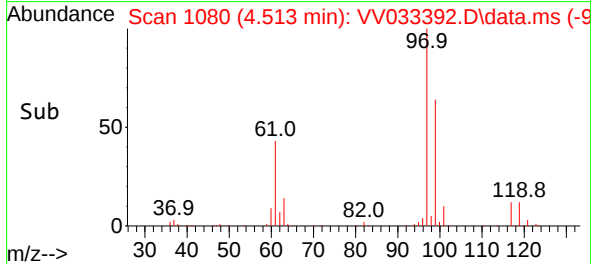
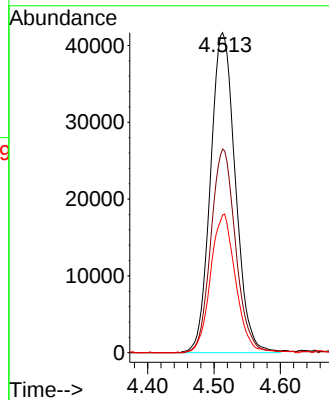
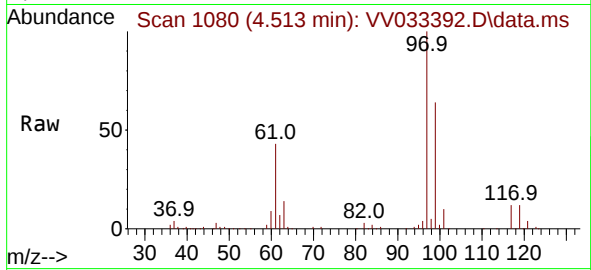
61 43.1 34.8 52.2

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#33

Benzene

Concen: 8.588 ug/L

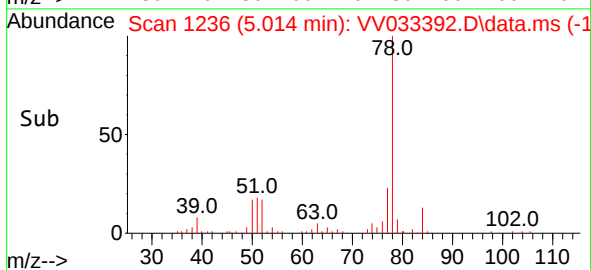
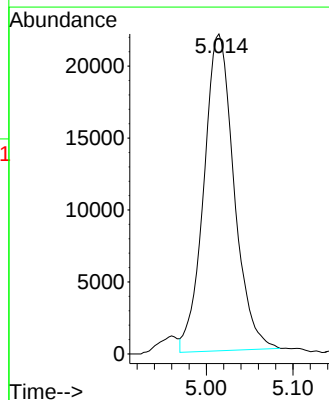
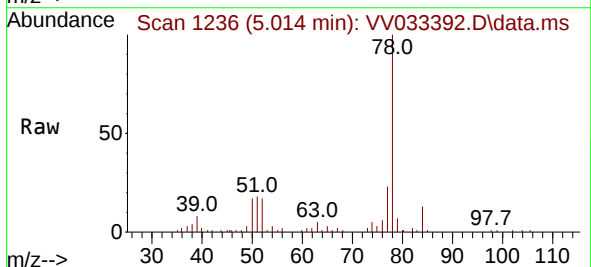
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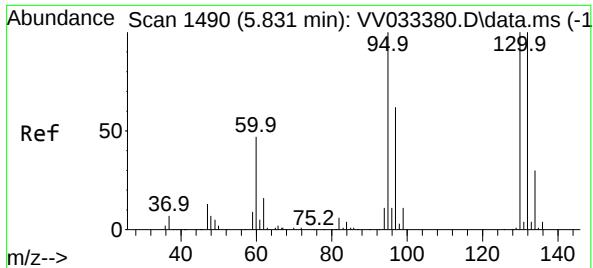
Delta R.T. 0.006 min

Lab File: VV033392.D

Acq: 15 Dec 2023 21:07

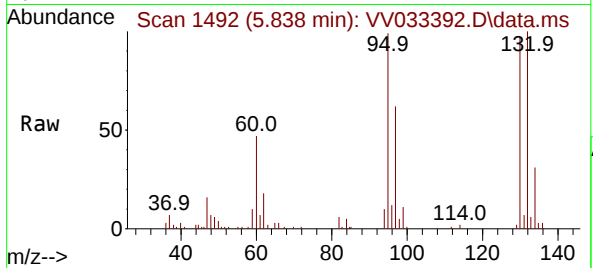
Tgt Ion: 78 Resp: 53323





#34
 Trichloroethene
 Concen: 11.544 ug/L
 RT: 5.838 min Scan# 1492
 Delta R.T. 0.006 min
 Lab File: VV033392.D
 Acq: 15 Dec 2023 21:07

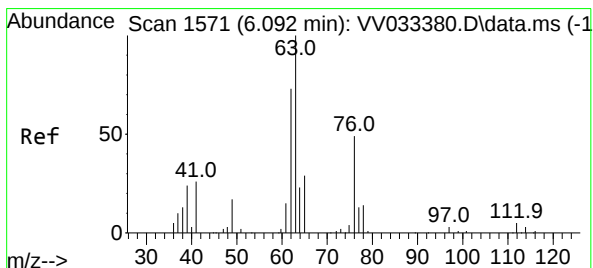
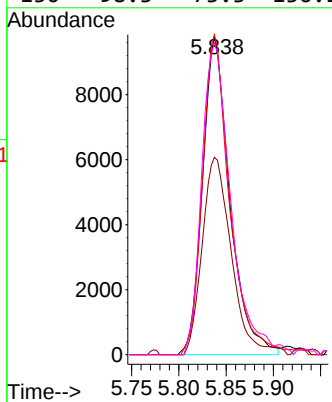
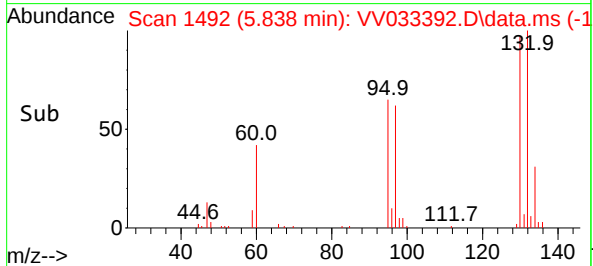
Instrument :
 MSVOA_V
 ClientSampleId :
 YCHD4



Tgt Ion: 95 Resp: 1966
 Ion Ratio Lower Upper
 95 100
 97 62.3 44.8 83.2
 132 101.0 69.9 129.7
 130 98.3 73.3 136.1

Manual Integrations
 APPROVED

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



#37
 1,2-Dichloropropane
 Concen: 2.119 ug/L m
 RT: 6.098 min Scan# 1573
 Delta R.T. 0.006 min
 Lab File: VV033392.D
 Acq: 15 Dec 2023 21:07

Tgt Ion: 63 Resp: 3568
 Ion Ratio Lower Upper
 63 100
 112 5.5 3.7 5.5#

