

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121423\
 Data File : VW033367.D
 Acq On : 15 Dec 2023 03:57
 Operator : SY/MD
 Sample : 05802-17
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F7B30

Quant Time: Dec 15 06:14:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 08 21:51:12 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	184456	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	192628	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	118029	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	37050	33.600	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	67.200%		
7) Chloroethane-d5	1.532	69	29768	38.745	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	77.480%		
11) 1,1-Dichloroethene-d2	2.060	65	16068	38.304	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.600%		
21) 2-Butanone-d5	3.780	46	38817m	70.876	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	70.880%		
24) Chloroform-d	4.249	84	110520	47.229	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.460%		
26) 1,2-Dichloroethane-d4	4.941	65	75972	52.218	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.440%		
32) Benzene-d6	4.960	84	203401	45.149	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.300%		
36) 1,2-Dichloropropane-d6	5.989	67	44393	36.648	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	73.300%		
41) Toluene-d8	7.243	98	202864	47.204	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.400%		
43) trans-1,3-Dichloroprop...	7.551	79	31020	40.497	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.000%		
47) 2-Hexanone-d5	8.024	63	39067	80.281	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.280%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	76795	44.598	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.200%		
66) 1,2-Dichlorobenzene-d4	11.561	152	114123	54.344	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.680%		
Target Compounds						Qvalue
5) Vinyl chloride	1.282	62	7798	6.114	ug/L	100
17) trans-1,2-Dichloroethene	2.693	96	1845m	1.520	ug/L	
18) Methyl tert-butyl Ether	2.703	73	156594	42.455	ug/L	96
19) 1,1-Dichloroethane	3.111	63	29694	14.776	ug/L	97
20) cis-1,2-Dichloroethene	3.812	96	168389	130.703	ug/L	92
33) Benzene	5.015	78	37197	7.620	ug/L	100
34) Trichloroethene	5.834	95	17192	11.789	ug/L	90
46) Tetrachloroethene	7.908	164	4217	3.364	ug/L	81
51) Chlorobenzene	8.812	112	2513462	649.789	ug/L	97
60) Isopropylbenzene	9.870	105	5975	0.878	ug/L	94
64) 1,3-Dichlorobenzene	11.117	146	117748	32.386	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	375134	99.327	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	84168	23.614	ug/L	97

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

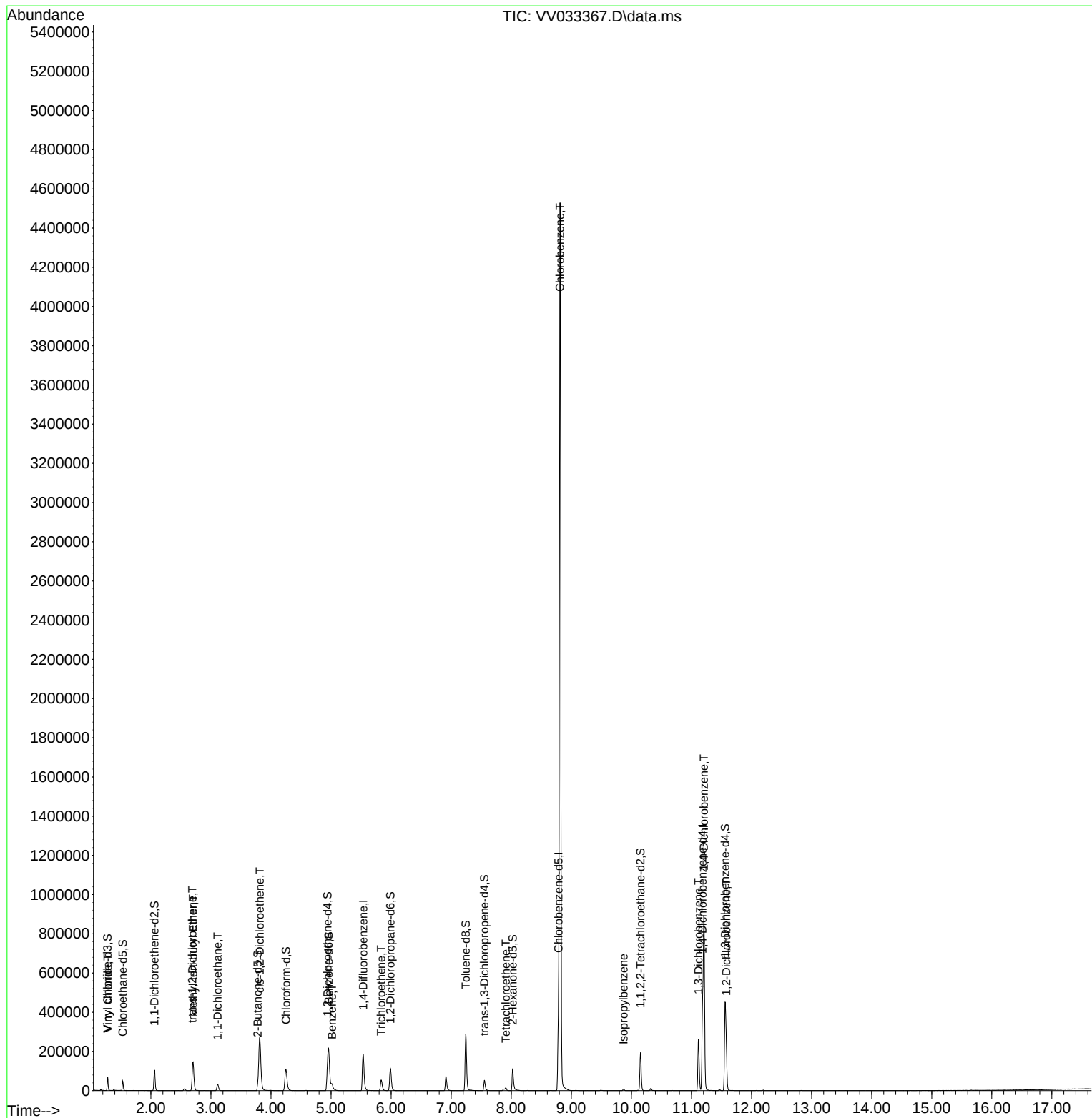
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121423\
Data File : VV033367.D
Acq On : 15 Dec 2023 03:57
Operator : SY/MD
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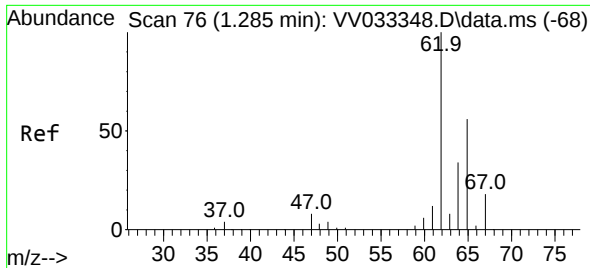
Instrument :
MSVOA_V
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F7B30

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Supervised By :Mahesh Dadoda 12/16/2023

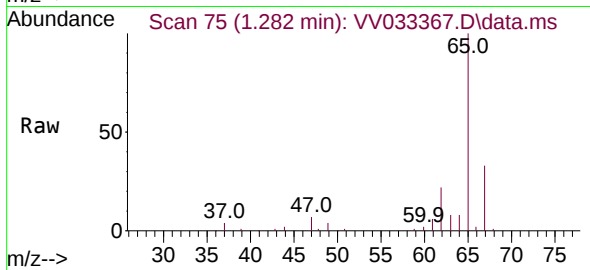
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 08 21:51:12 2023
Response via : Initial Calibration





#5
 Vinyl chloride
 Concen: 6.114 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VV033367.D
 Acq: 15 Dec 2023 03:57

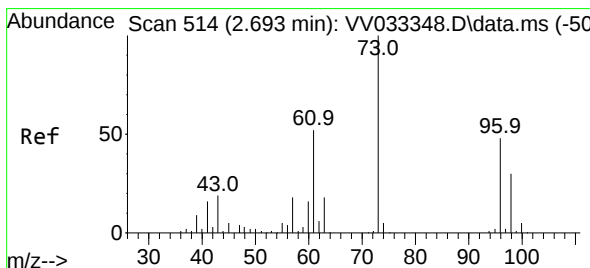
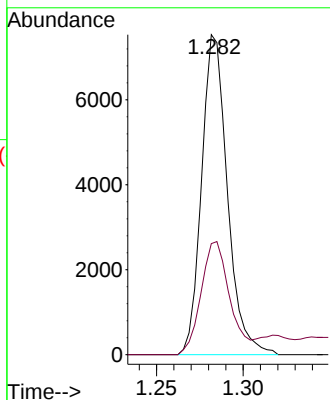
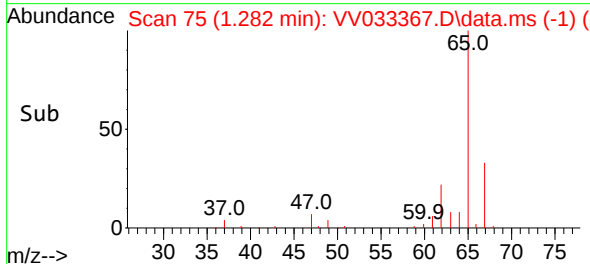
Instrument :
 MSVOA_V
 ClientSampleId :
 F7B30



Tgt Ion: 62 Resp: 7798
 Ion Ratio Lower Upper
 62 100
 64 34.7 24.2 45.0

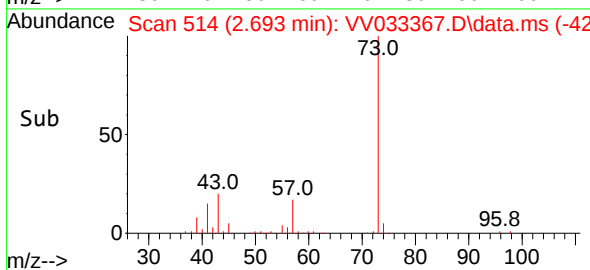
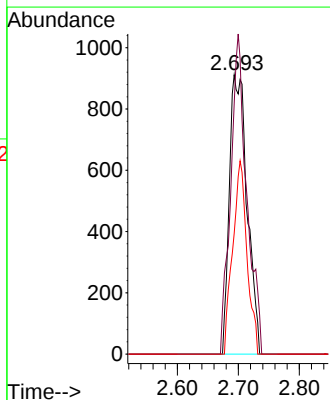
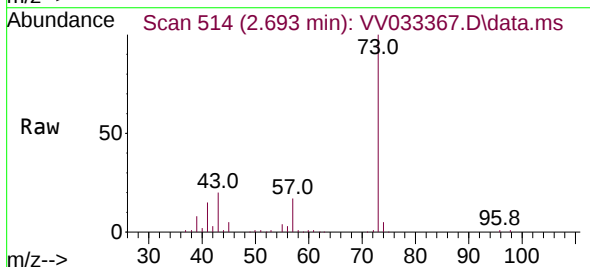
Manual Integrations
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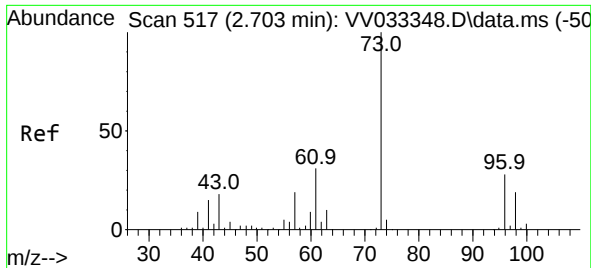
Reviewed By :Semsettin Yesilyurt 12/16/2023
 Supervised By :Mahesh Dadoda 12/16/2023



#17
 trans-1,2-Dichloroethene
 Concen: 1.520 ug/L m
 RT: 2.693 min Scan# 514
 Delta R.T. 0.000 min
 Lab File: VV033367.D
 Acq: 15 Dec 2023 03:57

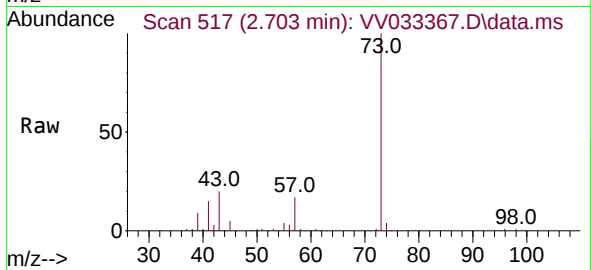
Tgt Ion: 96 Resp: 1845
 Ion Ratio Lower Upper
 96 100
 61 89.7 86.5 160.6
 98 43.2 45.1 83.7#





#18
Methyl tert-butyl Ether
Concen: 42.455 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

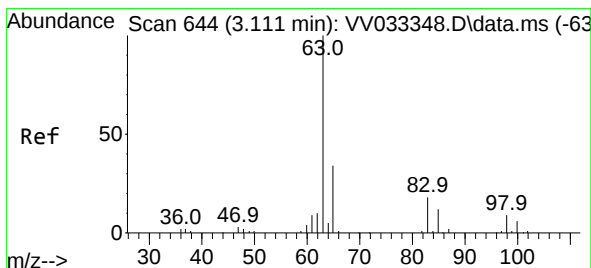
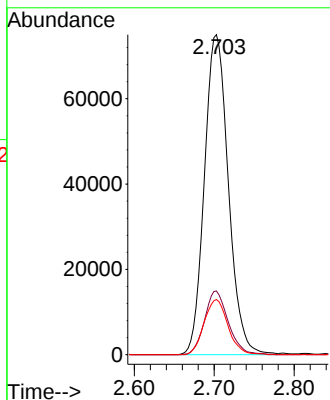
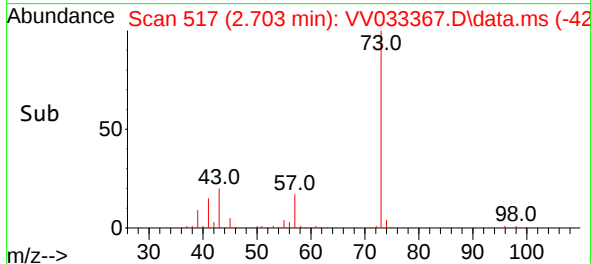
Instrument :
MSVOA_V
ClientSampleId :
F7B30



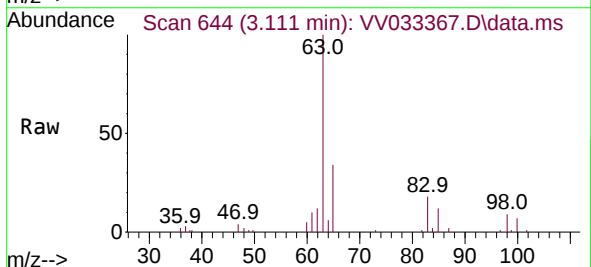
Tgt Ion: 73 Resp: 156594
Ion Ratio Lower Upper
73 100
43 19.7 15.4 23.2
57 17.2 16.1 24.1

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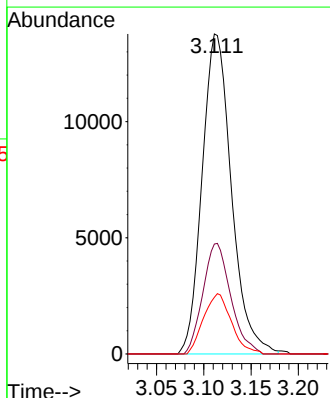
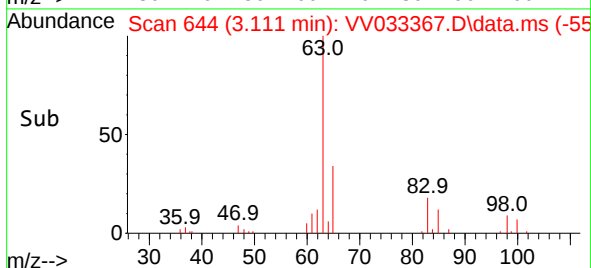
Reviewed By :Semsettin Yesilyurt 12/16/2023
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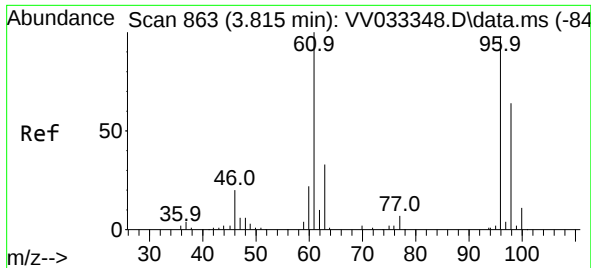


#19
1,1-Dichloroethane
Concen: 14.776 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.003 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57



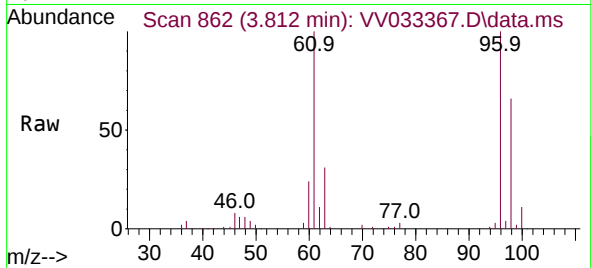
Tgt Ion: 63 Resp: 29694
Ion Ratio Lower Upper
63 100
65 34.4 23.0 42.6
83 17.7 11.4 21.2





#20
cis-1,2-Dichloroethene
Concen: 130.703 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

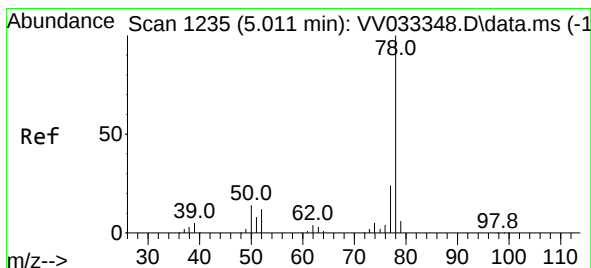
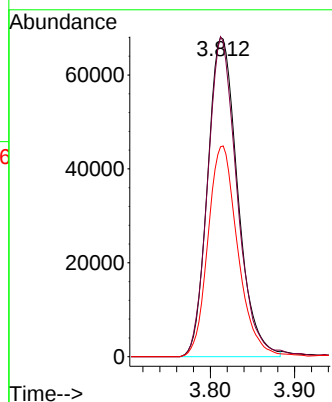
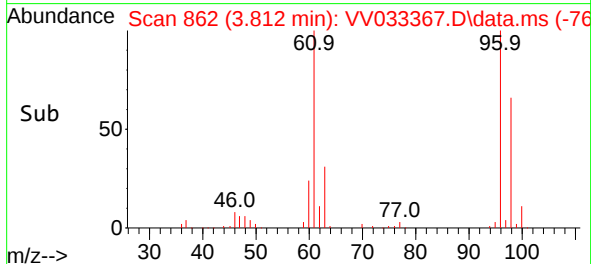
Instrument :
MSVOA_V
ClientSampleId :
F7B30



Tgt Ion: 96 Resp: 168389
Ion Ratio Lower Upper
96 100
61 100.2 79.1 146.9
98 65.7 45.1 83.7

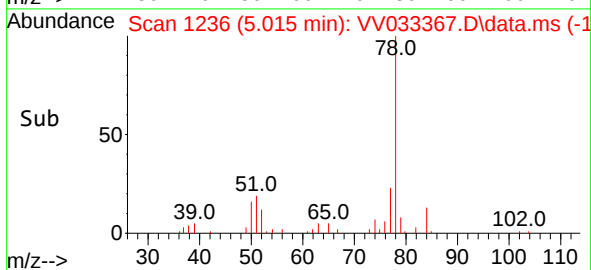
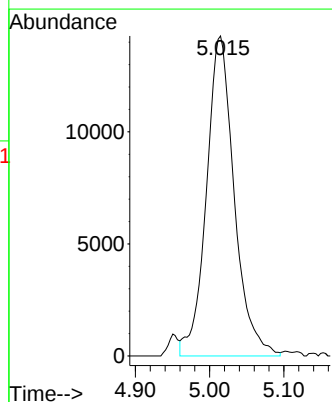
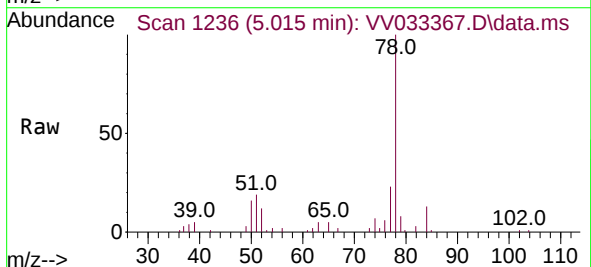
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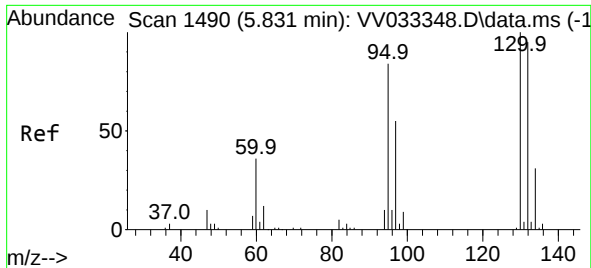
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/16/2023



#33
Benzene
Concen: 7.620 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. 0.010 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

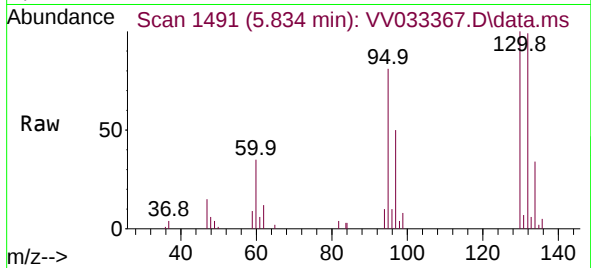
Tgt Ion: 78 Resp: 37197





#34
Trichloroethene
Concen: 11.789 ug/L
RT: 5.834 min Scan# 1490
Delta R.T. 0.003 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

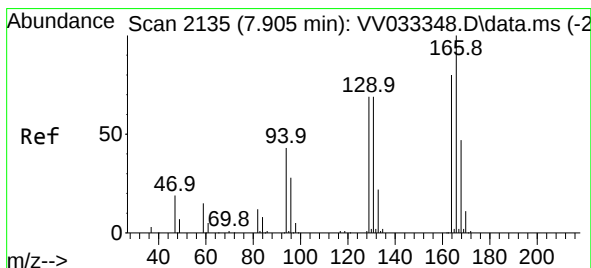
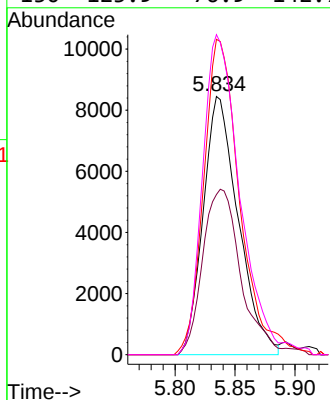
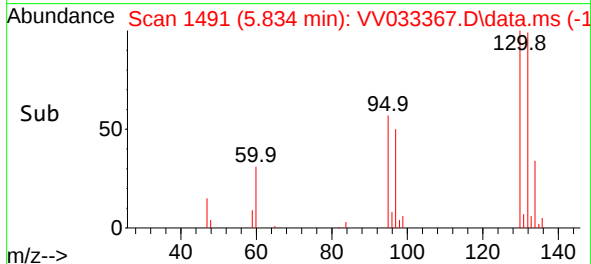
Instrument :
MSVOA_V
ClientSampleId :
F7B30



Tgt Ion: 95 Resp: 1719
Ion Ratio Lower Upper
95 100
97 62.0 45.8 85.0
132 122.1 77.4 143.8
130 123.9 76.9 142.7

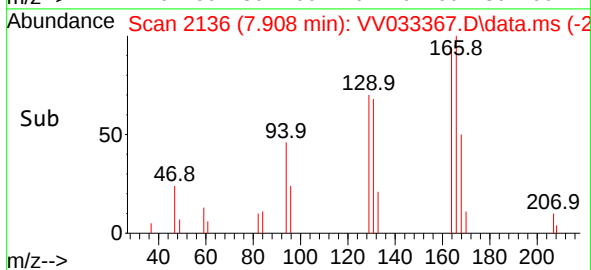
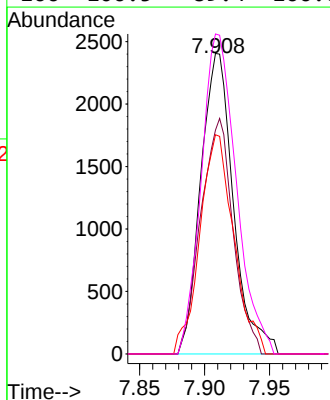
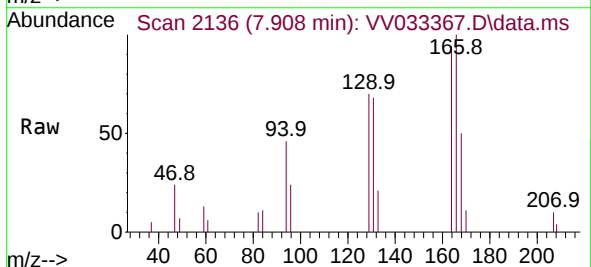
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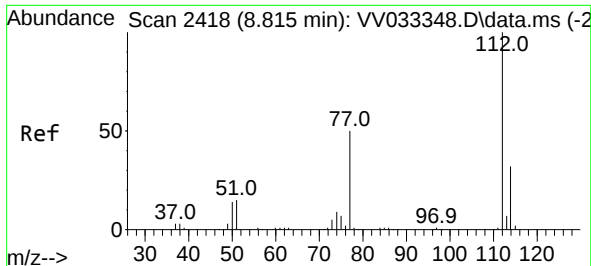
Reviewed By :Semsettin Yesilyurt 12/16/2023
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#46
Tetrachloroethene
Concen: 3.364 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

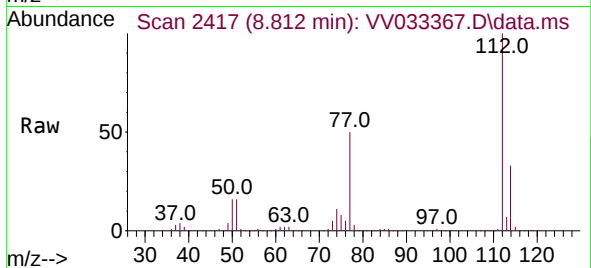
Tgt Ion:164 Resp: 4217
Ion Ratio Lower Upper
164 100
129 74.5 65.6 121.8
131 72.9 64.7 120.1
166 106.5 89.4 166.0





#51
Chlorobenzene
Concen: 649.789 ug/L
RT: 8.812 min Scan# 2418
Delta R.T. 0.000 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57

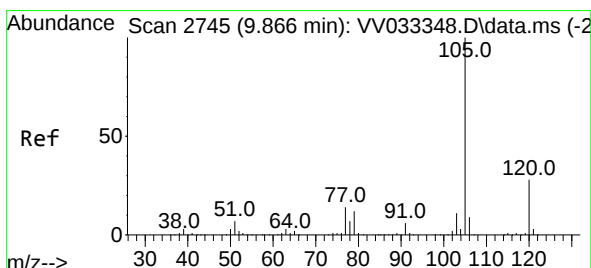
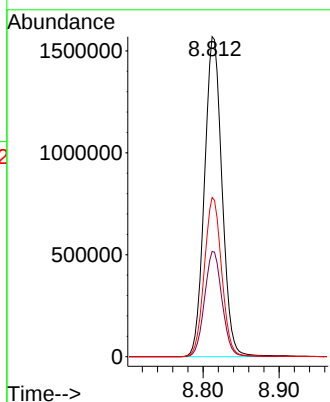
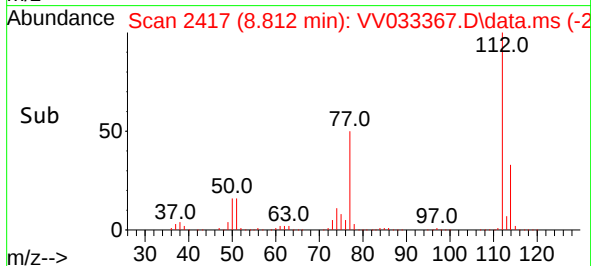
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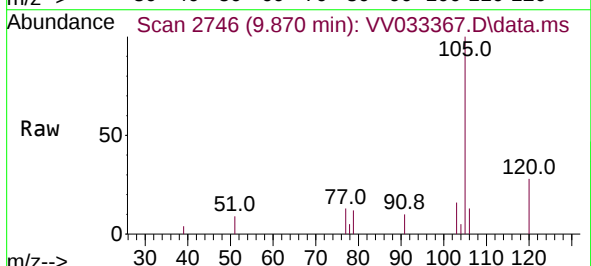
Tgt Ion:112 Resp: 251346
Ion Ratio Lower Upper
112 100
114 32.9 22.9 42.5
77 49.7 42.6 64.0

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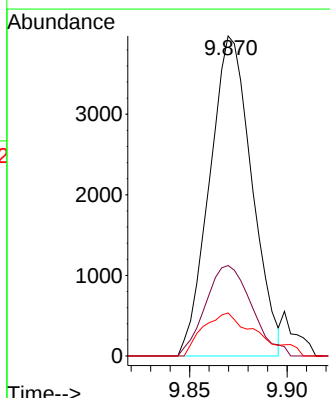
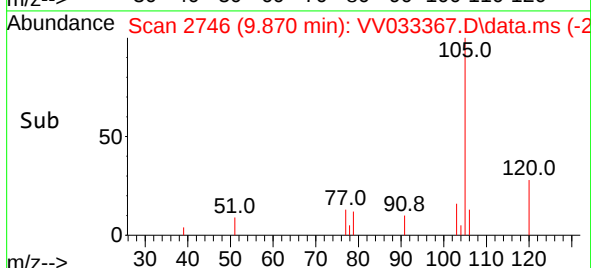
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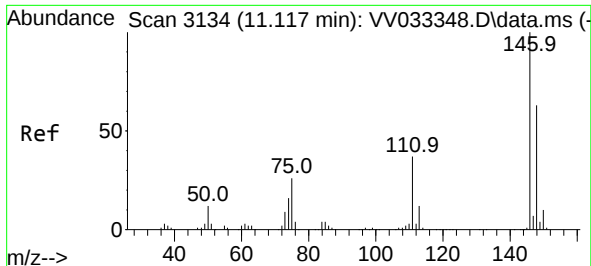


#60
Isopropylbenzene
Concen: 0.878 ug/L
RT: 9.870 min Scan# 2746
Delta R.T. 0.003 min
Lab File: VV033367.D
Acq: 15 Dec 2023 03:57



Tgt Ion:105 Resp: 5975
Ion Ratio Lower Upper
105 100
120 30.9 21.3 31.9
77 16.0 12.0 18.0





#64

1,3-Dichlorobenzene

Concen: 32.386 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV033367.D

Acq: 15 Dec 2023 03:57

Instrument :

MSVOA_V

ClientSampleId :

F7B30

Tgt Ion:146 Resp: 117748

Ion Ratio Lower Upper

146 100

111 35.7 26.2 48.6

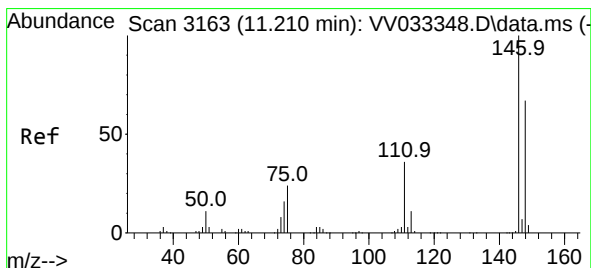
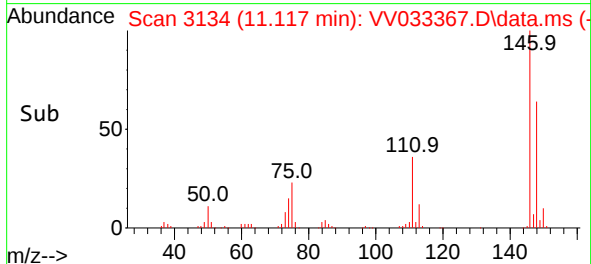
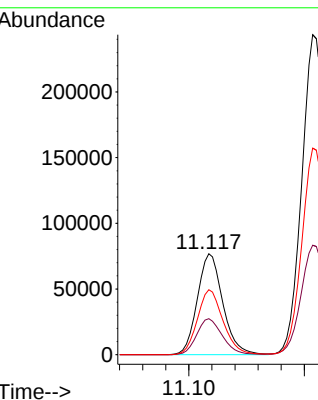
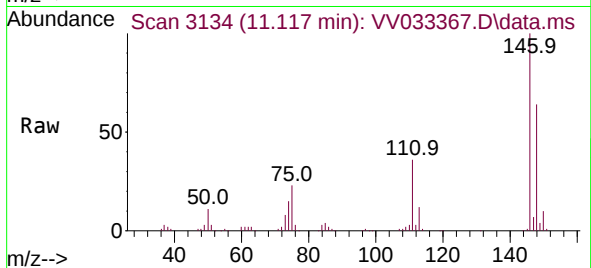
148 64.4 44.5 82.7

Manual Integrations

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Supervised By :Mahesh Dadoda 12/16/2023



#65

1,4-Dichlorobenzene

Concen: 99.327 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV033367.D

Acq: 15 Dec 2023 03:57

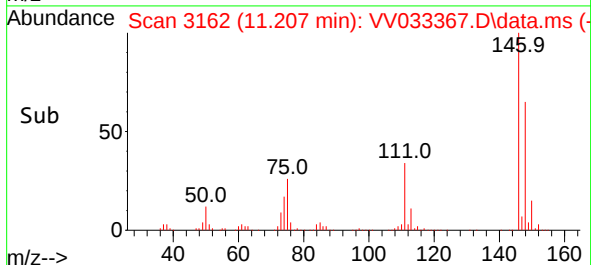
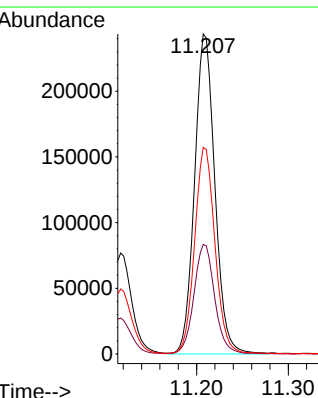
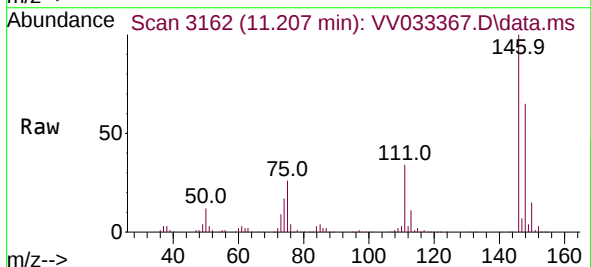
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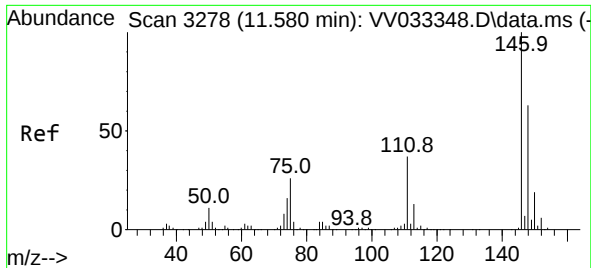
Ion Ratio Lower Upper

146 100

111 34.2 25.9 48.1

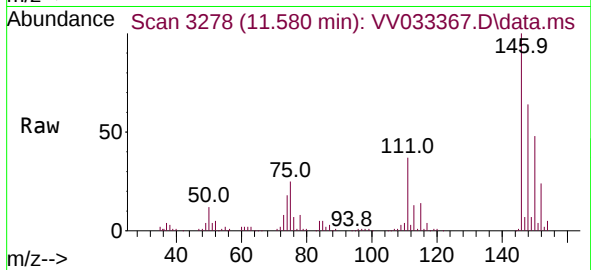
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#67
 1,2-Dichlorobenzene
 Concen: 23.614 ug/L
 RT: 11.580 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033367.D
 Acq: 15 Dec 2023 03:57

Instrument :
 MSVOA_V
 ClientSampleId :
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Tgt Ion:146 Resp: 84168
 Ion Ratio Lower Upper
 146 100
 111 36.6 32.4 48.6
 148 64.2 51.8 77.8

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