

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV120822\
 Data File : VV029500.D
 Acq On : 09 Dec 2022 02:01
 Operator : SY/MD
 Sample : N5915-10
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F5N09

Quant Time: Dec 09 04:17:21 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

12/09/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	532270	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.863	117	516614	50.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.246	152	306753	50.000	ug/L	# 0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.304	65	104504	32.062	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.120%
7) Chloroethane-d5	1.564	69	96325	38.757	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.520%
11) 1,1-Dichloroethene-d2	2.105	63	148114	29.135	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.260%#
21) 2-Butanone-d5	3.867	46	185536	93.313	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.310%
24) Chloroform-d	4.339	84	256444	41.810	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.620%
26) 1,2-Dichloroethane-d4	5.024	65	154957	44.234	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.460%
32) Benzene-d6	5.043	84	533090	39.052	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.100%
36) 1,2-Dichloropropane-d6	6.063	67	168086	40.312	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.620%
41) Toluene-d8	7.310	98	491907	38.245	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.480%#
43) trans-1,3-Dichloroprop...	7.612	79	72281	34.329	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.660%
47) 2-Hexanone-d5	8.085	63	170073	95.518	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.520%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	245755	41.245	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.480%
66) 1,2-Dichlorobenzene-d4	11.632	152	231363m	39.621	ug/L	0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.240%#

Target Compounds

						Qvalue
5) Vinyl chloride	1.310	62	245344	61.345	ug/L	99
8) Chloroethane	1.580	64	2065	0.927	ug/L	89
12) 1,1-Dichloroethene	2.114	96	4424	1.555	ug/L	# 1
13) Acetone	2.156	43	3383	2.612	ug/L	95
17) trans-1,2-Dichloroethene	2.757	96	42602	12.995	ug/L	95
19) 1,1-Dichloroethane	3.185	63	6502	1.158	ug/L	93
20) cis-1,2-Dichloroethene	3.902	96	252362	70.007	ug/L	95
27) 1,2-Dichloroethane	5.127	62	10570	2.570	ug/L	96
33) Benzene	5.092	78	1038558	71.320	ug/L	100
42) Toluene	7.384	91	50380	3.214	ug/L	100
46) Tetrachloroethene	7.973	164	6521	2.223	ug/L	90
51) Chlorobenzene	8.870	112	40449200m	4075.568	ug/L	
52) Ethylbenzene	9.014	91	15071	0.915	ug/L	98
60) Isopropylbenzene	9.924	105	29183	1.620	ug/L	100
63) 1,2,4-Trimethylbenzene	10.908	105	12592	0.798	ug/L	98
64) 1,3-Dichlorobenzene	11.175	146	1802630	204.706	ug/L	100
65) 1,4-Dichlorobenzene	11.265	146	20570449m	2298.517	ug/L	
67) 1,2-Dichlorobenzene	11.638	146	28068107m	3117.002	ug/L	
70) 1,2,4-trichlorobenzene	13.252	180	9902	1.589	ug/L	98

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

12/09/2022

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

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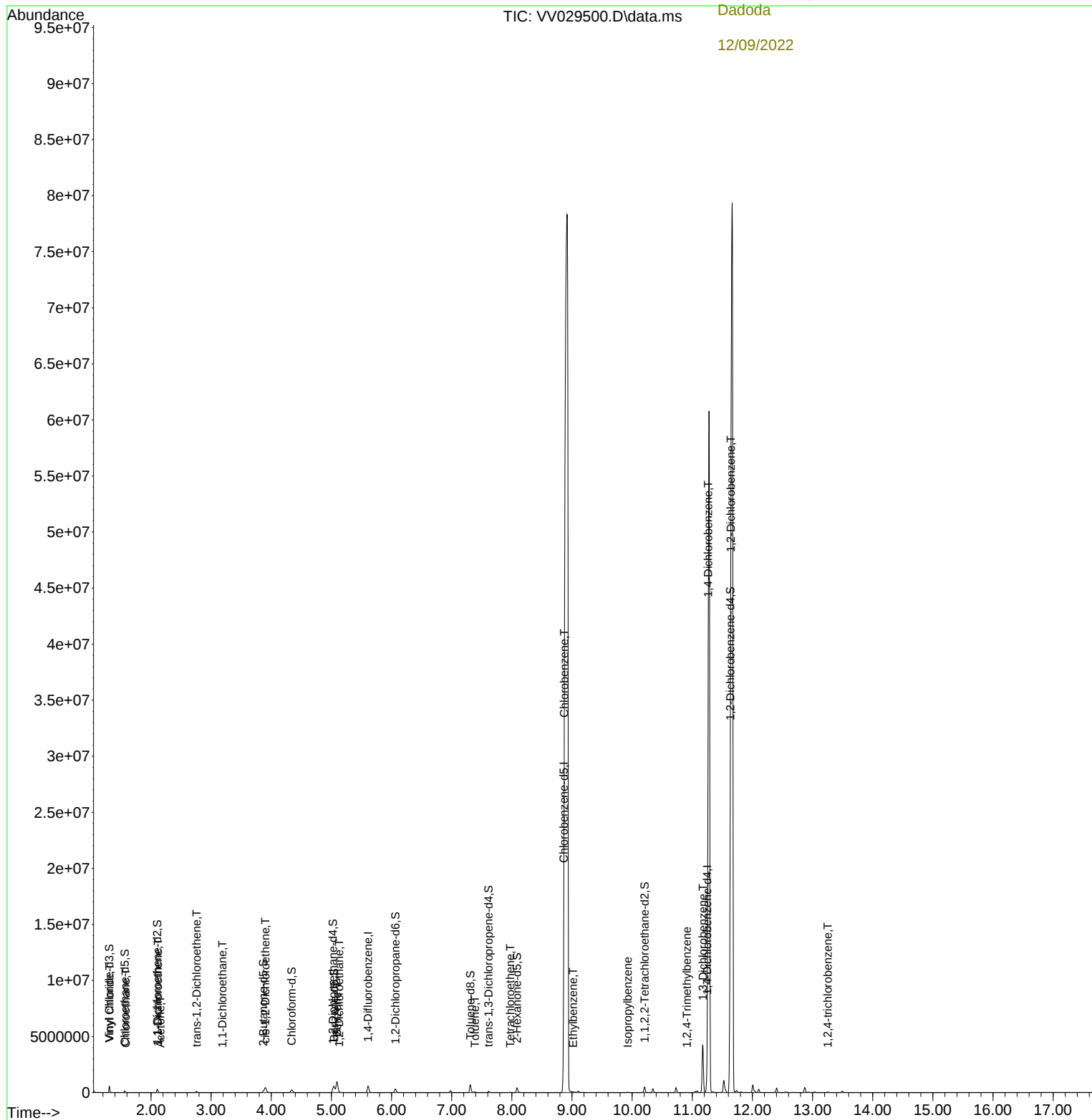
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 Quant Title : VOC Analysis
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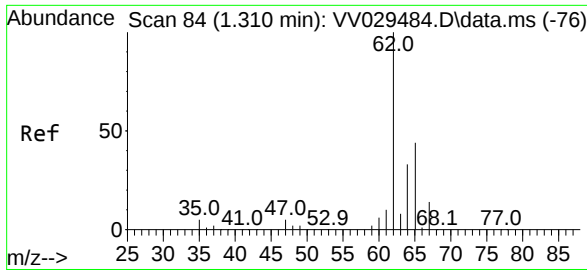
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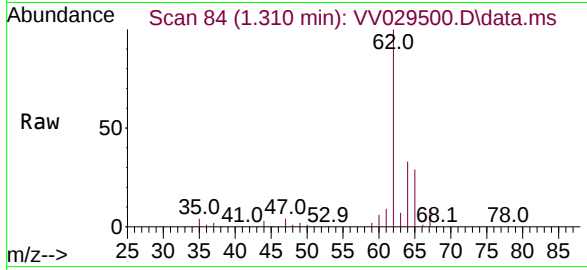
12/09/2022





#5
 Vinyl chloride
 Concen: 61.345 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV029500.D
 Acq: 09 Dec 2022 02:01

Instrument :
 MSVOA_V
 ClientSampleId :
 F5N09



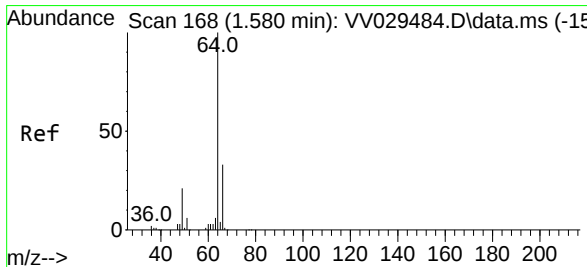
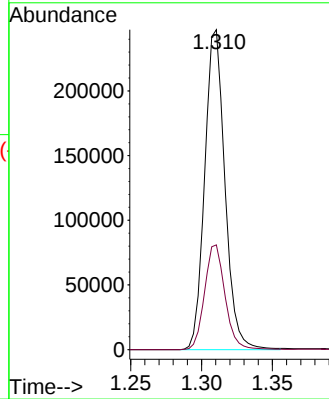
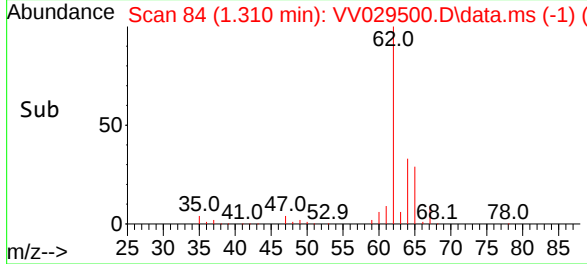
Tgt Ion: 62 Resp: 245344
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.5 41.9

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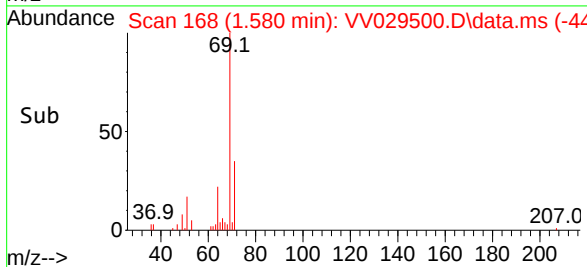
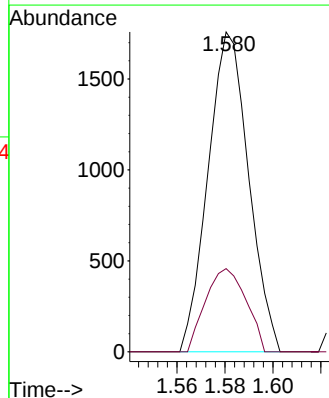
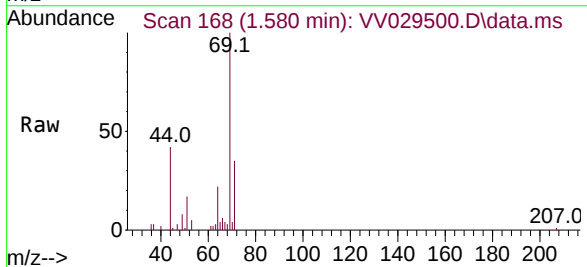
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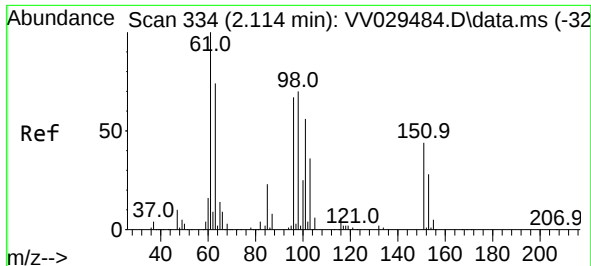
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#8
 Chloroethane
 Concen: 0.927 ug/L
 RT: 1.580 min Scan# 168
 Delta R.T. -0.000 min
 Lab File: VV029500.D
 Acq: 09 Dec 2022 02:01

Tgt Ion: 64 Resp: 2065
 Ion Ratio Lower Upper
 64 100
 66 26.0 22.5 41.9





#12

1,1-Dichloroethene

Concen: 1.555 ug/L

RT: 2.114 min Scan# 334

Delta R.T. -0.000 min

Lab File: VV029500.D

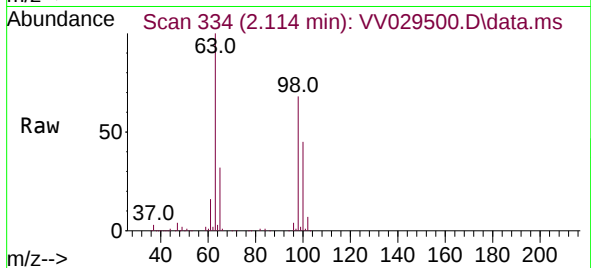
Acq: 09 Dec 2022 02:01

Instrument :

MSVOA_V

ClientSampleId :

F5N09



Tgt Ion:	96	Resp:	4424
Ion	Ratio	Lower	Upper
96	100		
61	383.4	103.3	191.9
63	2347.8	77.3	143.7

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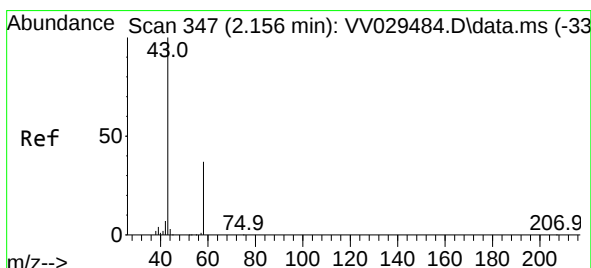
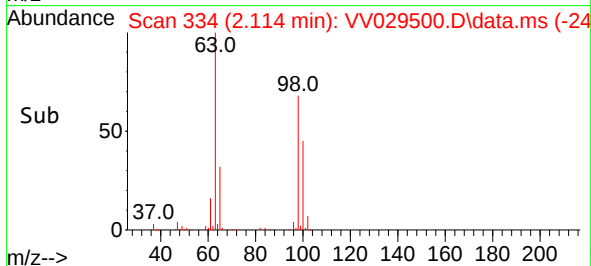
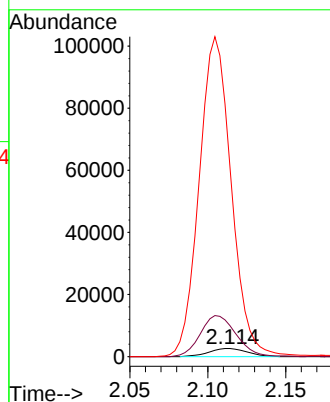
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#13

Acetone

Concen: 2.612 ug/L

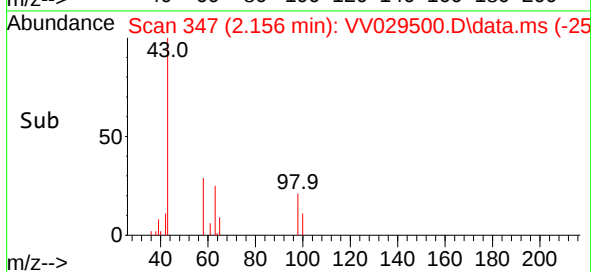
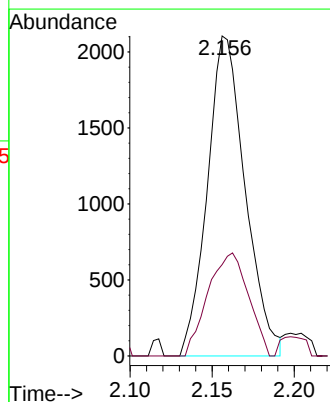
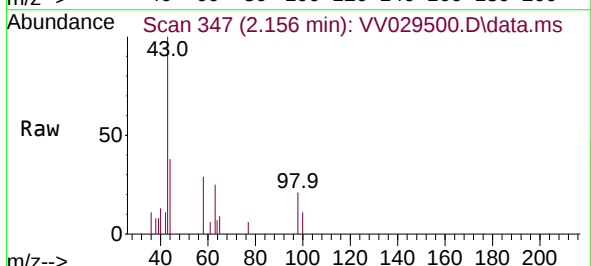
RT: 2.156 min Scan# 347

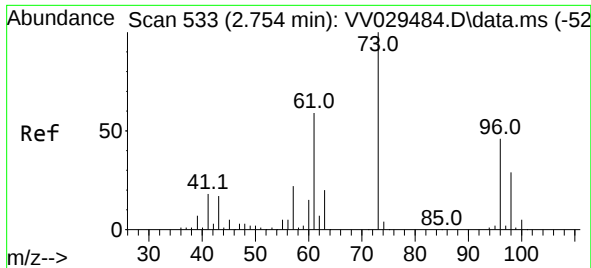
Delta R.T. -0.000 min

Lab File: VV029500.D

Acq: 09 Dec 2022 02:01

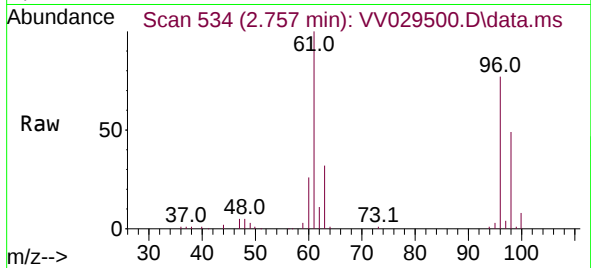
Tgt Ion:	43	Resp:	3383
Ion	Ratio	Lower	Upper
43	100		
58	34.5	0.0	74.8





#17
trans-1,2-Dichloroethene
Concen: 12.995 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.003 min
Lab File: VV029500.D
Acq: 09 Dec 2022 02:01

Instrument :
MSVOA_V
ClientSampleId :
F5N09



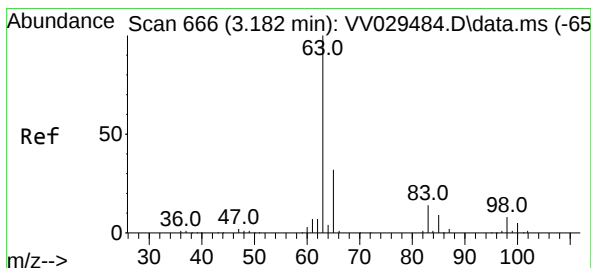
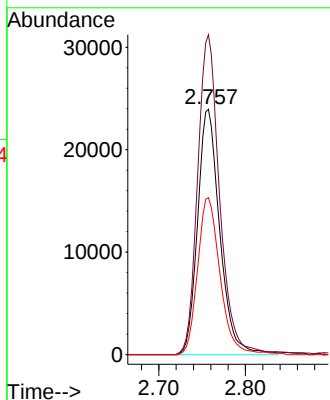
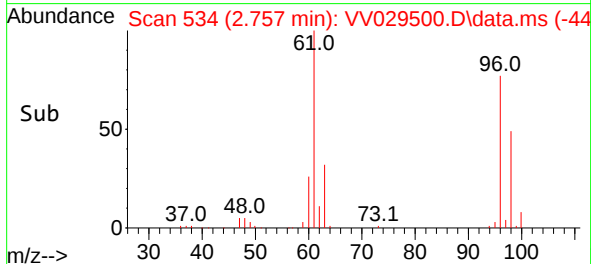
Tgt Ion: 96 Resp: 42602
Ion Ratio Lower Upper
96 100
61 130.4 86.4 160.4
98 63.9 43.4 80.6

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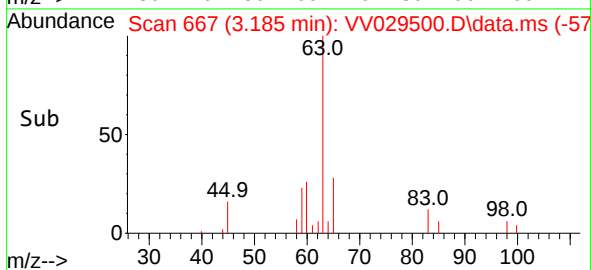
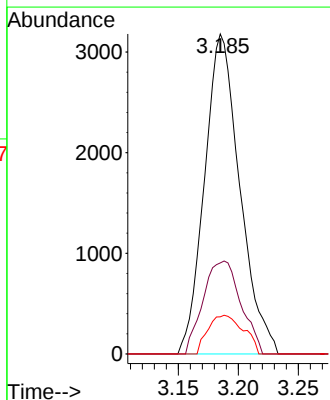
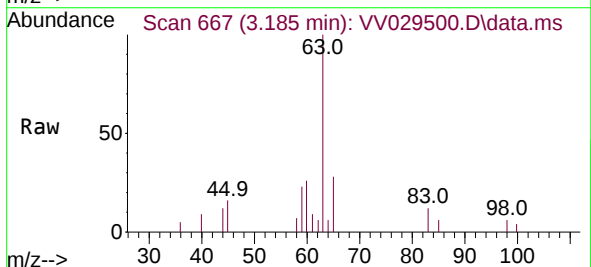
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Dadoda

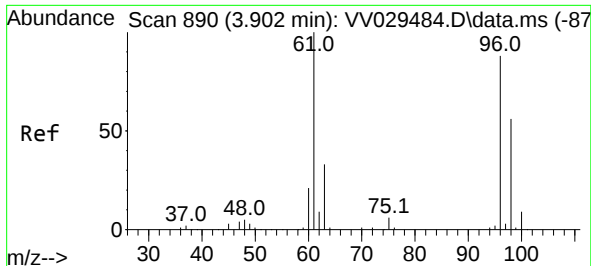
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#19
1,1-Dichloroethane
Concen: 1.158 ug/L
RT: 3.185 min Scan# 667
Delta R.T. -0.000 min
Lab File: VV029500.D
Acq: 09 Dec 2022 02:01

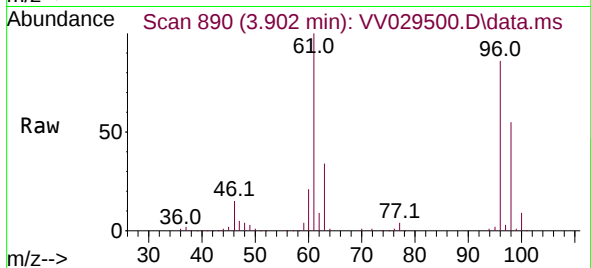
Tgt Ion: 63 Resp: 6502
Ion Ratio Lower Upper
63 100
65 28.5 22.5 41.7
83 11.6 10.4 19.2





#20
 cis-1,2-Dichloroethene
 Concen: 70.007 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. -0.003 min
 Lab File: VV029500.D
 Acq: 09 Dec 2022 02:01

Instrument :
 MSVOA_V
 ClientSampleId :
 F5N09



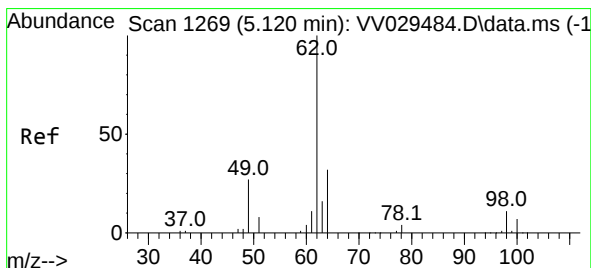
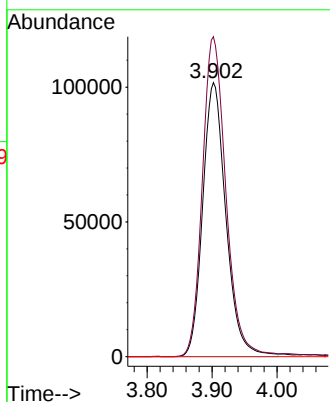
Tgt Ion: 96 Resp: 252362
 Ion Ratio Lower Upper
 96 100
 61 116.8 78.0 144.9
 68 0.0 0.0 0.0

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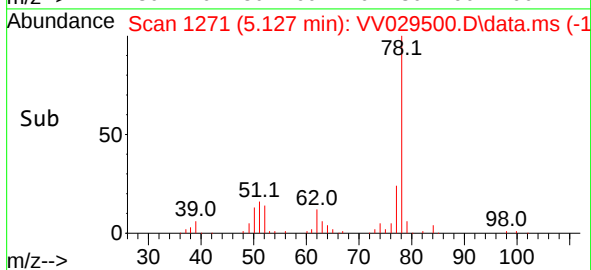
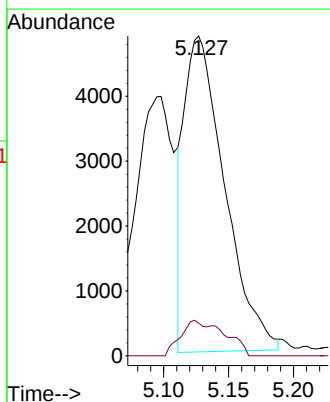
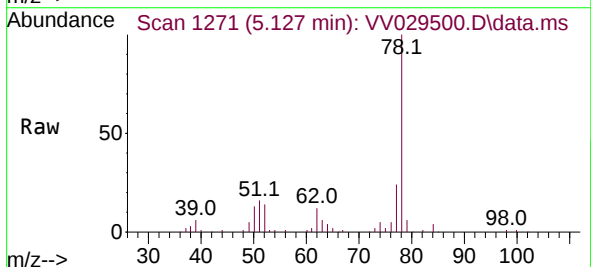
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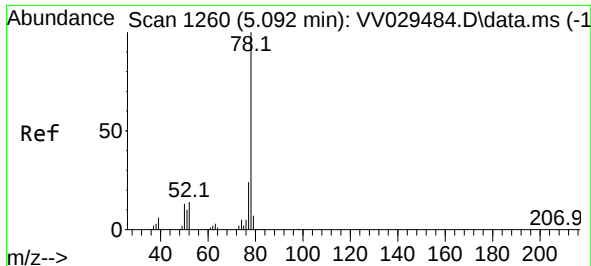
12/09/2022



#27
 1,2-Dichloroethane
 Concen: 2.570 ug/L
 RT: 5.127 min Scan# 1271
 Delta R.T. 0.003 min
 Lab File: VV029500.D
 Acq: 09 Dec 2022 02:01

Tgt Ion: 62 Resp: 10570
 Ion Ratio Lower Upper
 62 100
 98 10.2 9.4 14.0





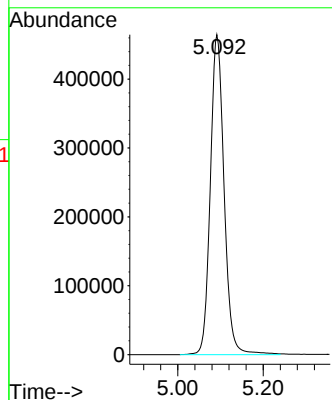
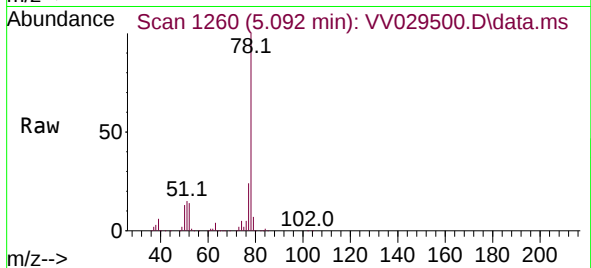
#33
Benzene
Concen: 71.320 ug/L
RT: 5.092 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV029500.D
Acq: 09 Dec 2022 02:01

Instrument :
MSVOA_V
ClientSampleId :
F5N09

Tgt Ion: 78 Resp: 103855

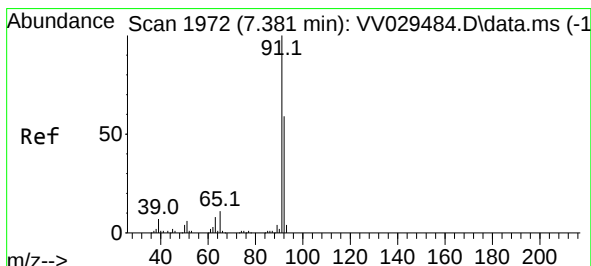
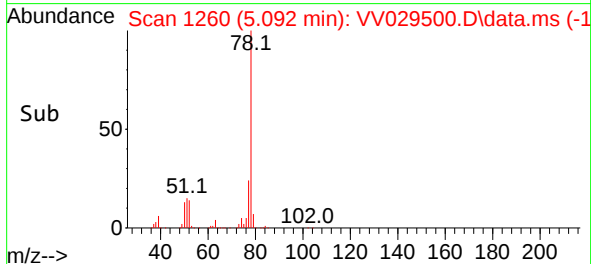
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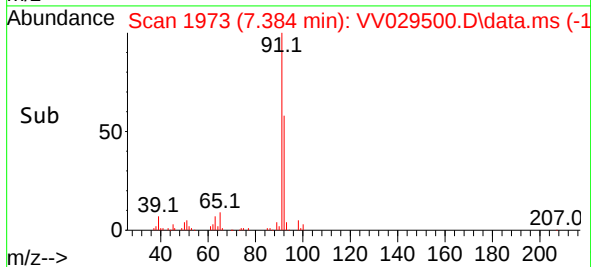
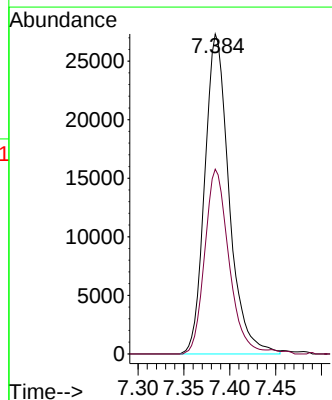
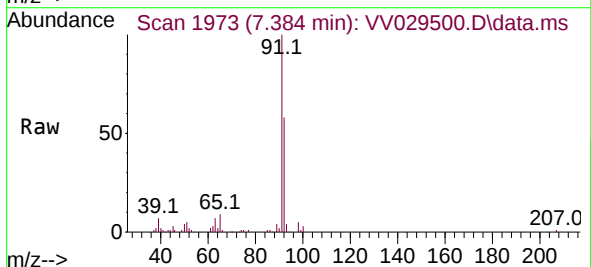
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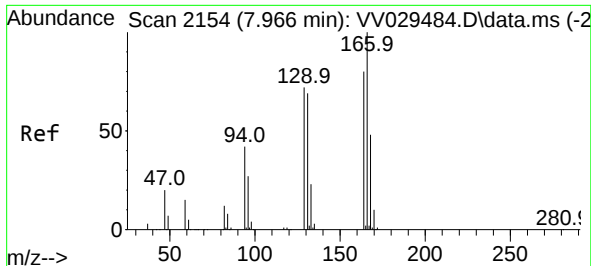
12/09/2022



#42
Toluene
Concen: 3.214 ug/L
RT: 7.384 min Scan# 1973
Delta R.T. 0.003 min
Lab File: VV029500.D
Acq: 09 Dec 2022 02:01

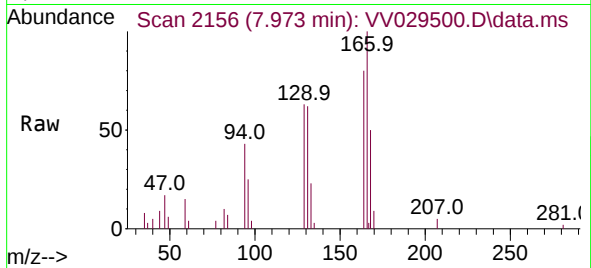
Tgt Ion: 91 Resp: 50380
Ion Ratio Lower Upper
91 100
92 57.7 40.6 75.4





#46
Tetrachloroethene
Concen: 2.223 ug/L
RT: 7.973 min Scan# 2154
Delta R.T. 0.003 min
Lab File: VV029500.D
Acq: 09 Dec 2022 02:01

Instrument :
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ClientSampleId :
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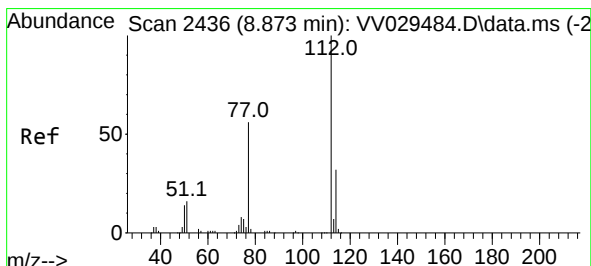
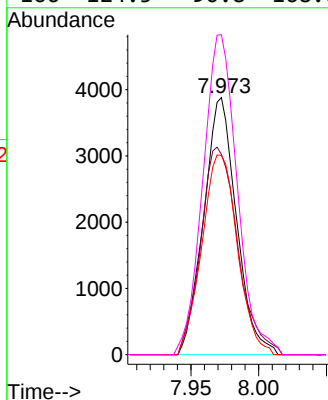
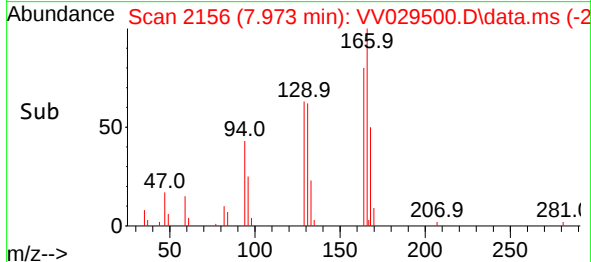
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Ion Ratio Lower Upper
164 100
129 77.9 65.3 121.3
131 77.6 63.1 117.1
166 124.5 90.8 168.6

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Supervised By :Mahesh Dadoda 12/09/2022

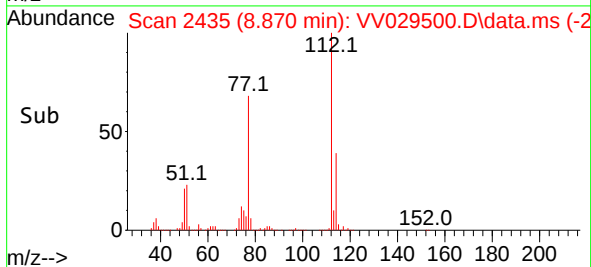
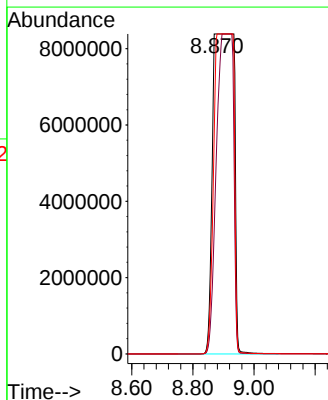
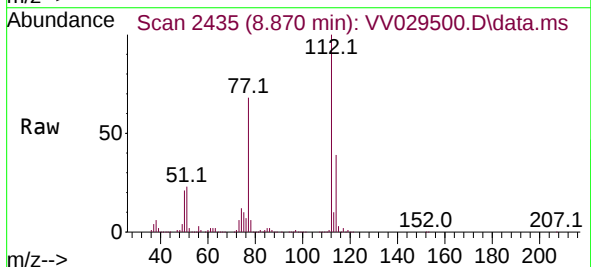
12/09/2022
Supervised By :Mahesh
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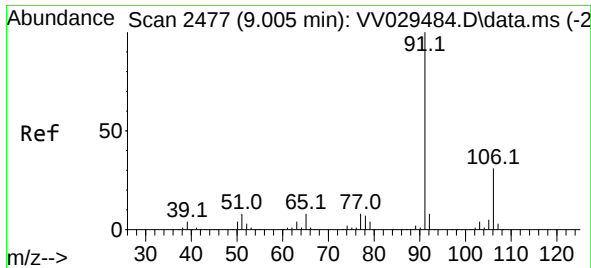
12/09/2022



#51
Chlorobenzene
Concen: 4075.568 ug/L m
RT: 8.870 min Scan# 2435
Delta R.T. -0.003 min
Lab File: VV029500.D
Acq: 09 Dec 2022 02:01

Tgt Ion:112 Resp:40449200
Ion Ratio Lower Upper
112 100
114 38.8 22.3 41.3
77 68.3 45.0 67.4#





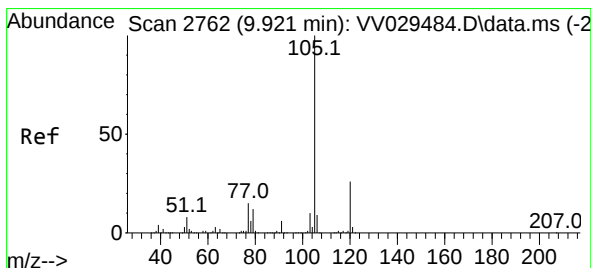
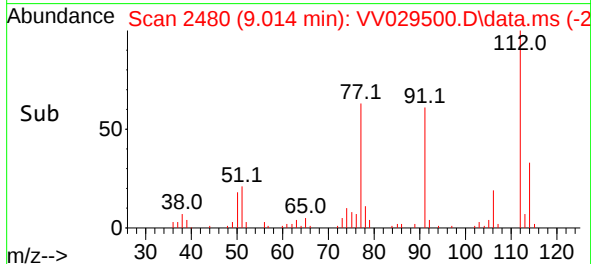
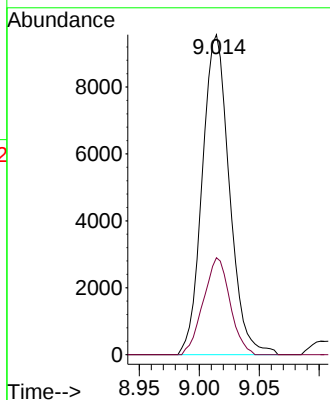
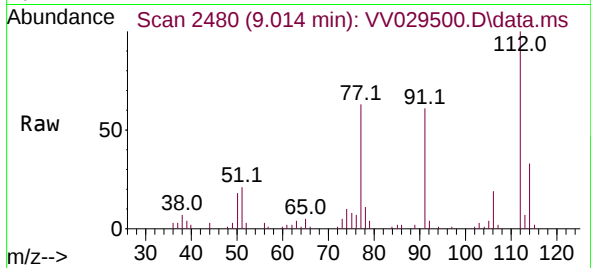
#52
Ethylbenzene
Concen: 0.915 ug/L
RT: 9.014 min Scan# 2477
Delta R.T. 0.010 min
Lab File: VV029500.D
Acq: 09 Dec 2022 02:01

Instrument :
MSVOA_V
ClientSampleId :
F5N09

Tgt Ion: 91 Resp: 1507
Ion Ratio Lower Upper
91 100
106 30.3 21.8 40.6

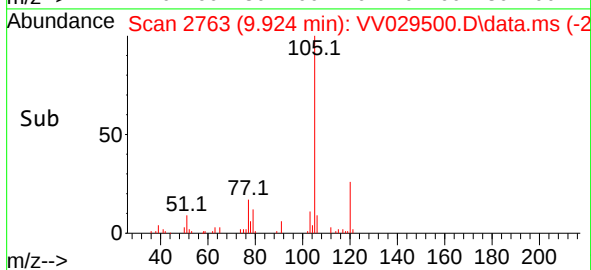
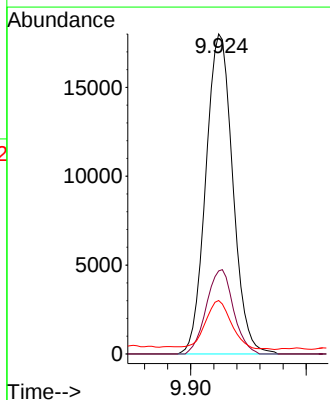
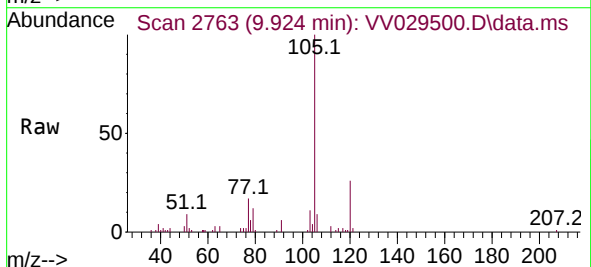
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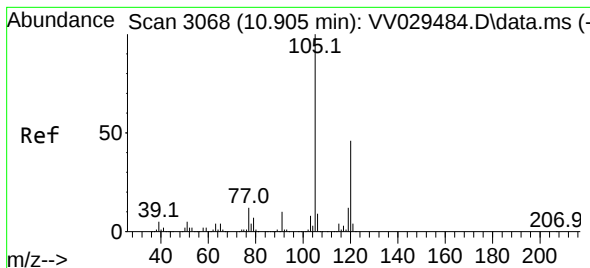
Reviewed By :Krupa Patel 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022



#60
Isopropylbenzene
Concen: 1.620 ug/L
RT: 9.924 min Scan# 2763
Delta R.T. 0.003 min
Lab File: VV029500.D
Acq: 09 Dec 2022 02:01

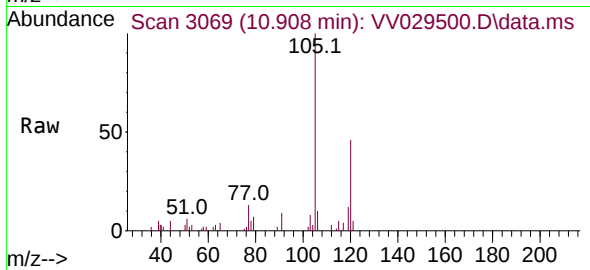
Tgt Ion:105 Resp: 29183
Ion Ratio Lower Upper
105 100
120 26.4 21.1 31.7
77 14.3 11.6 17.4





#63
1,2,4-Trimethylbenzene
Concen: 0.798 ug/L
RT: 10.908 min Scan# 3069
Delta R.T. 0.003 min
Lab File: VV029500.D
Acq: 09 Dec 2022 02:01

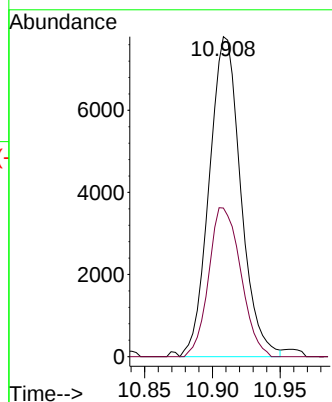
Instrument :
MSVOA_V
ClientSampleId :
F5N09



Tgt Ion:105 Resp: 12592
Ion Ratio Lower Upper
105 100
120 47.2 36.7 55.1

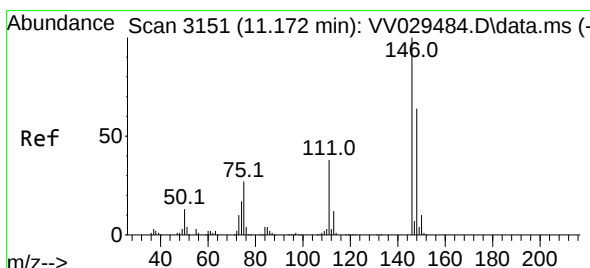
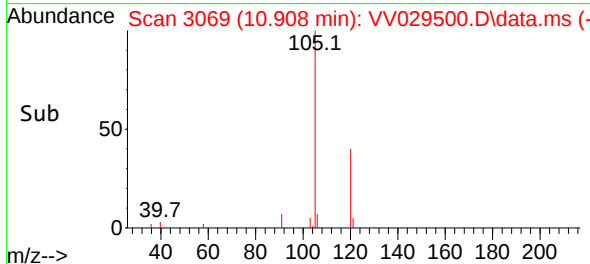
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Supervised By :Mahesh Dadoda 12/09/2022



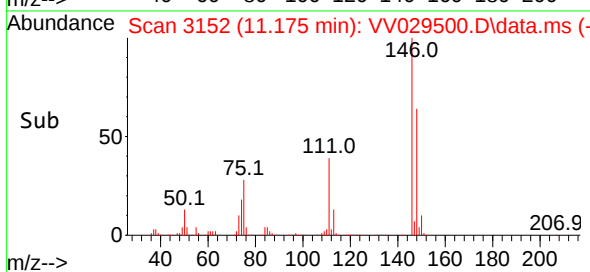
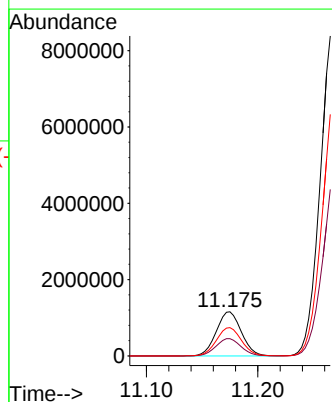
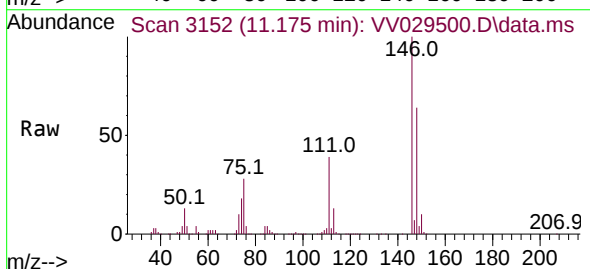
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Dadoda

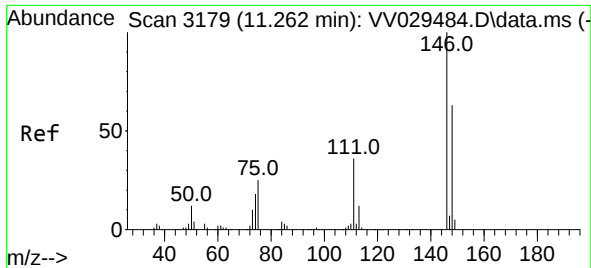
12/09/2022



#64
1,3-Dichlorobenzene
Concen: 204.706 ug/L
RT: 11.175 min Scan# 3152
Delta R.T. 0.006 min
Lab File: VV029500.D
Acq: 09 Dec 2022 02:01

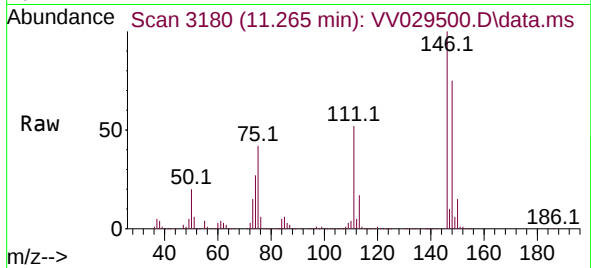
Tgt Ion:146 Resp: 1802630
Ion Ratio Lower Upper
146 100
111 39.2 27.4 51.0
148 64.0 44.6 82.8





#65
1,4-Dichlorobenzene
Concen: 2298.517 ug/L m
RT: 11.265 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VV029500.D
Acq: 09 Dec 2022 02:01

Instrument :
MSVOA_V
ClientSampleId :
F5N09



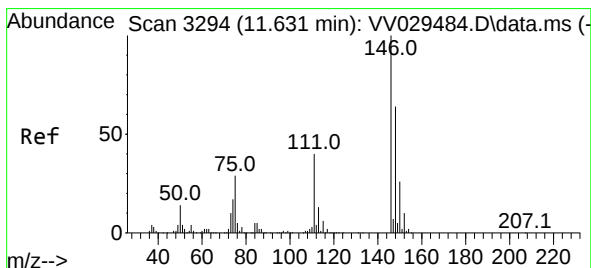
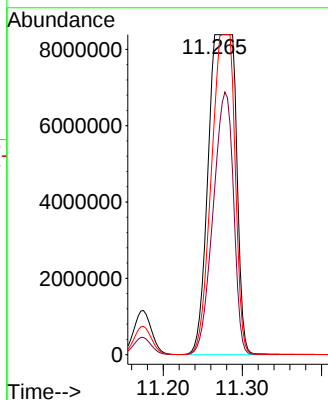
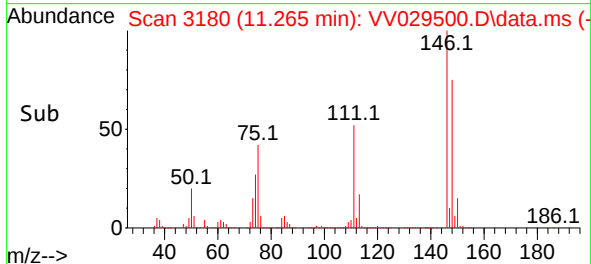
Tgt Ion:146 Resp:20570449
Ion Ratio Lower Upper
146 100
111 52.0 26.2 48.8#
148 75.5 44.7 83.1

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Supervised By :Mahesh Dadoda 12/09/2022

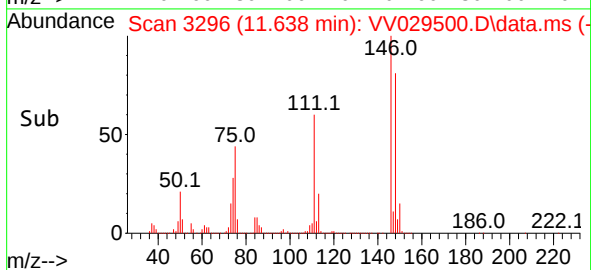
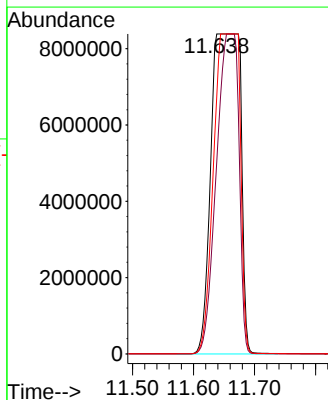
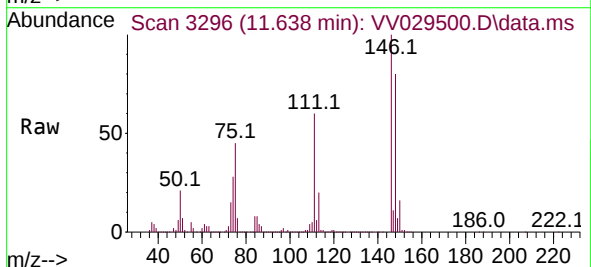
12/09/2022
Supervised By :Mahesh
Dadoda

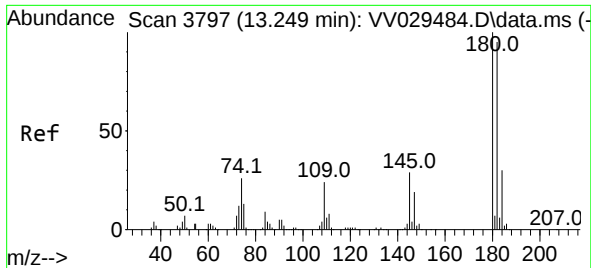
12/09/2022



#67
1,2-Dichlorobenzene
Concen: 3117.002 ug/L m
RT: 11.638 min Scan# 3296
Delta R.T. 0.006 min
Lab File: VV029500.D
Acq: 09 Dec 2022 02:01

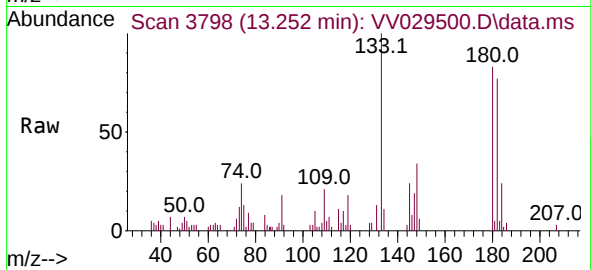
Tgt Ion:146 Resp:28068107
Ion Ratio Lower Upper
146 100
111 60.0 32.0 48.0#
148 80.4 50.6 76.0#





#70
1,2,4-trichlorobenzene
Concen: 1.589 ug/L
RT: 13.252 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV029500.D
Acq: 09 Dec 2022 02:01

Instrument :
MSVOA_V
ClientSampleId :
F5N09



Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.3	114.5
145	31.1	23.7	35.5

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Dadoda

12/09/2022

