

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060624\
 Data File : VW035985.D
 Acq On : 06 Jun 2024 14:19
 Operator : SY/MD
 Sample : P2754-14
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4DG9

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 06/07/2024
 Supervised By : Semsettin Yesilyurt 06/07/2024

Quant Time: Jun 07 02:19:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 02:16:44 2024
 Response via : Initial Calibration

06/07/2024
 Supervised By : Semsettin
 Yesilyurt

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	520430	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	501848	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	260176	25.000	ug/L	0.00

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System Monitoring Compounds

4) Vinyl Chloride-d3	1.272	65	178508	18.657	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.640%
7) Chloroethane-d5	1.526	69	148653	19.485	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.920%
11) 1,1-Dichloroethene-d2	2.050	65	82750	19.427	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.720%
21) 2-Butanone-d5	3.857	46	96766	44.079	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.160%
24) Chloroform-d	4.243	84	337574	20.403	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.600%
26) 1,2-Dichloroethane-d4	4.941	65	176024	20.291	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.160%
32) Benzene-d6	4.957	84	640028	21.455	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.840%
36) 1,2-Dichloropropane-d6	5.985	67	204785	21.799	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.200%
41) Toluene-d8	7.239	98	592888	22.525	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.120%
43) trans-1,3-Dichloroprop...	7.551	79	84707	21.992	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.960%
47) 2-Hexanone-d5	8.030	63	60867	47.822	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.640%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	152645	21.745	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.960%
66) 1,2-Dichlorobenzene-d4	11.558	152	196497	20.595	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.400%

Target Compounds	Qvalue					
12) 1,1-Dichloroethene	2.060	96	323375	38.802	ug/L	89
13) Acetone	2.153	43	220510m	64.484	ug/L	
16) Methylene chloride	2.439	84	285389	24.234	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	690845	78.037	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	1704954	85.787	ug/L	100
19) 1,1-Dichloroethane	3.105	63	399461	23.694	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	382510	43.000	ug/L	99
22) 2-Butanone	3.889	43	535584	184.582	ug/L #	75
25) Chloroform	4.269	83	472981	27.273	ug/L	99
27) 1,2-Dichloroethane	5.034	62	697276	64.400	ug/L	100
33) Benzene	5.002	78	2752177	83.851	ug/L	100
34) Trichloroethene	5.828	95	931764	92.625	ug/L	100
37) 1,2-Dichloropropane	6.088	63	811065	94.108	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	622919	48.324	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	460611	98.370	ug/L	97
44) trans-1,3-Dichloropropene	7.577	75	460675	41.375	ug/L	97
46) Tetrachloroethene	7.902	164	168493	22.902	ug/L	98
49) Dibromochloromethane	8.172	129	316631	40.570	ug/L	99
50) 1,2-Dibromoethane	8.278	107	533496	77.969	ug/L	100

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Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
53) m,p-Xylene	9.069	106	1016670	75.404	ug/L	99	06/07/2024
54) o-Xylene	9.474	106	875909	68.889	ug/L	99	
57) 1,1,2,2-Tetrachloroethane	10.175	83	350767	54.934	ug/L	99	
59) Bromoform	9.664	173	75993	15.488	ug/L	99	
61) 1,2,3-Trichloropropane	10.207	75	462285	75.127	ug/L	97	
64) 1,3-Dichlorobenzene	11.114	146	460564	26.274	ug/L	99	
65) 1,4-Dichlorobenzene	11.204	146	1178707	65.146	ug/L	99	
70) 1,2,4-trichlorobenzene	13.194	180	249640	24.180	ug/L	100	

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

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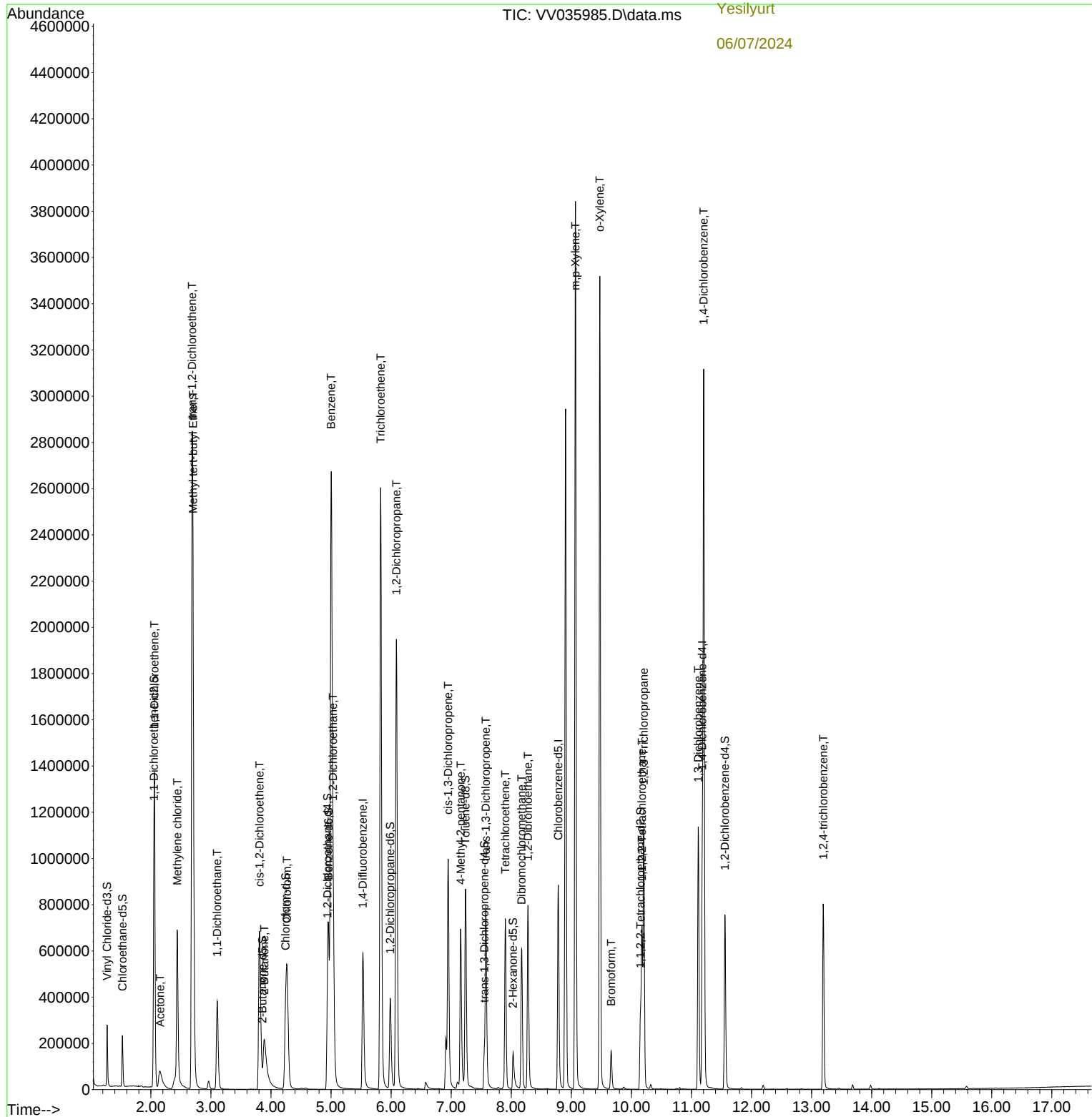
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 02:16:44 2024
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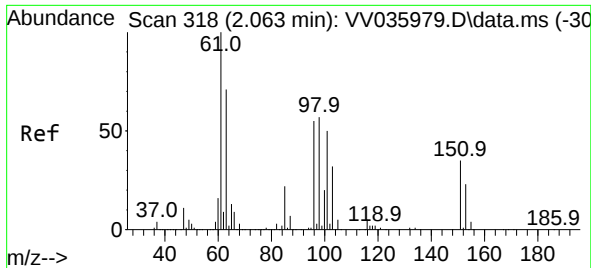
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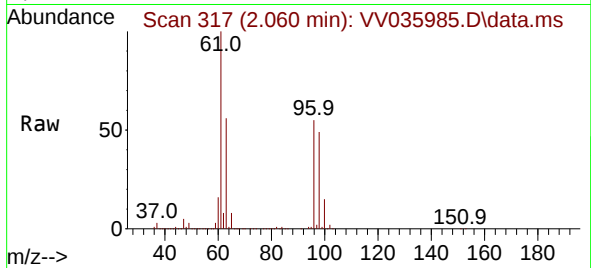
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#12
1,1-Dichloroethene
Concen: 38.802 ug/L
RT: 2.060 min Scan# 318
Delta R.T. -0.003 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Instrument :
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ClientSampleId :
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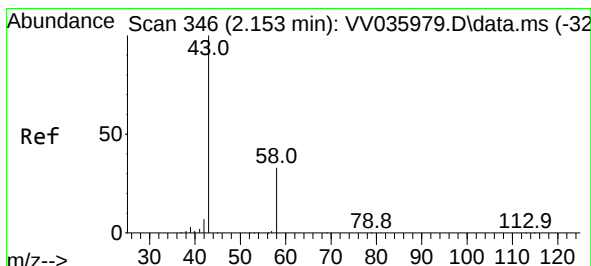
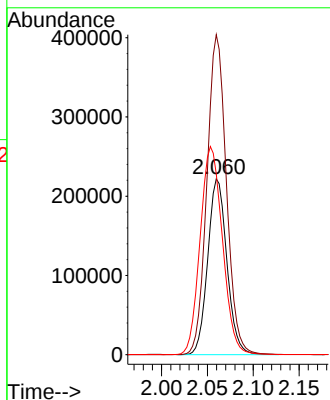
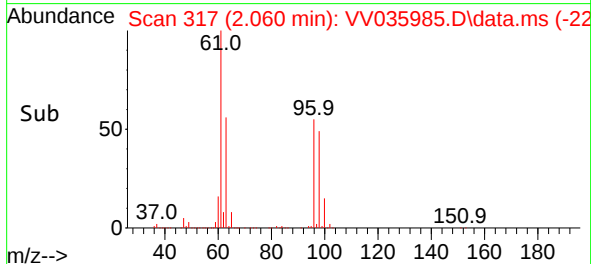
Tgt Ion: 96 Resp: 323375
Ion Ratio Lower Upper
96 100
61 182.0 127.3 236.3
63 102.8 93.7 173.9

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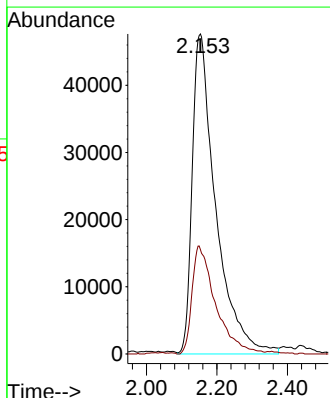
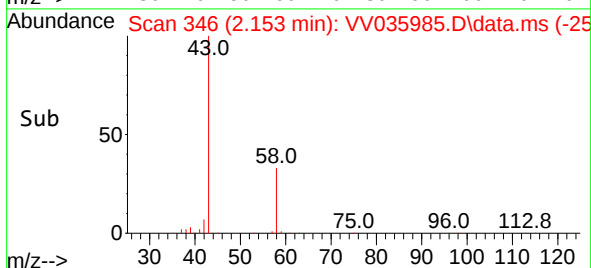
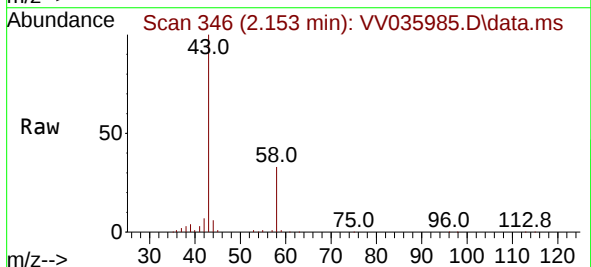
06/07/2024
Supervised By :Semsettin
Yesilyurt

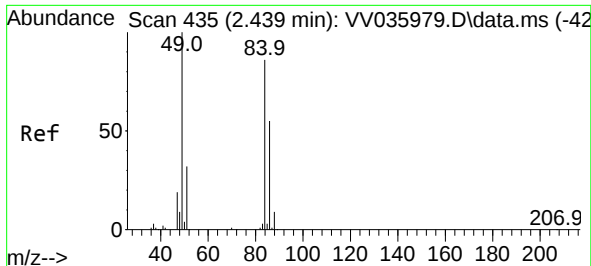
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#13
Acetone
Concen: 64.484 ug/L m
RT: 2.153 min Scan# 346
Delta R.T. 0.000 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

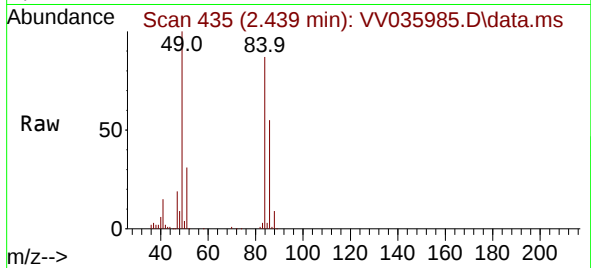
Tgt Ion: 43 Resp: 220510
Ion Ratio Lower Upper
43 100
58 0.0 0.0 24.2





#16
Methylene chloride
Concen: 24.234 ug/L
RT: 2.439 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Instrument :
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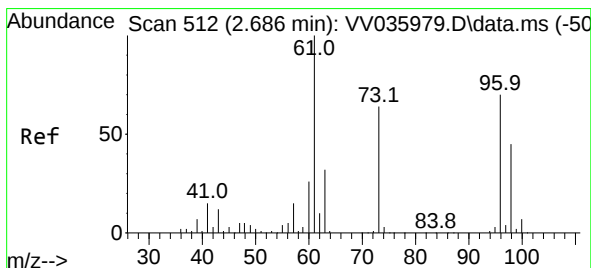
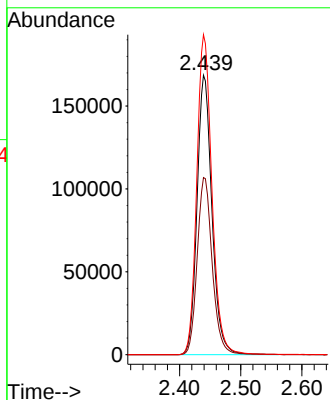
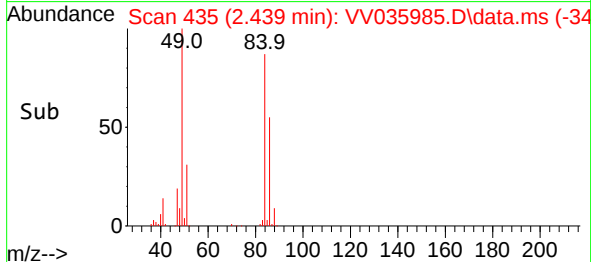
Tgt Ion: 84 Resp: 285389
Ion Ratio Lower Upper
84 100
86 63.3 44.6 82.8
49 114.5 81.1 150.5

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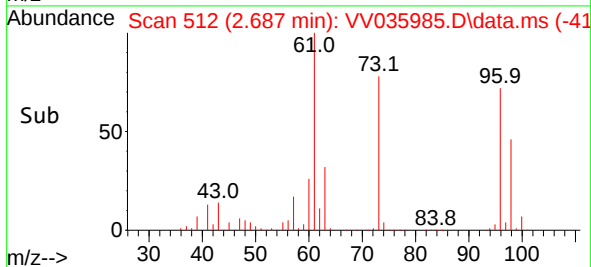
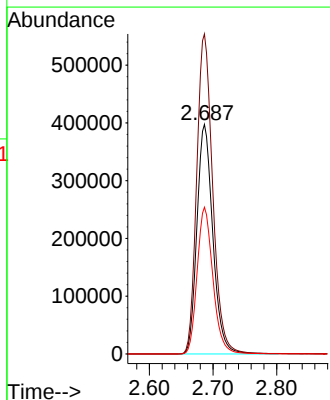
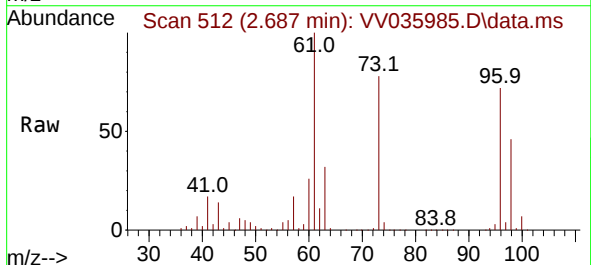
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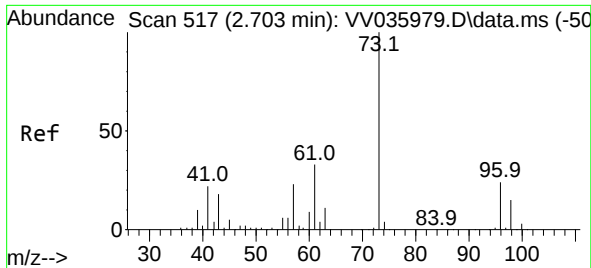
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#17
trans-1,2-Dichloroethene
Concen: 78.037 ug/L
RT: 2.687 min Scan# 512
Delta R.T. 0.000 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

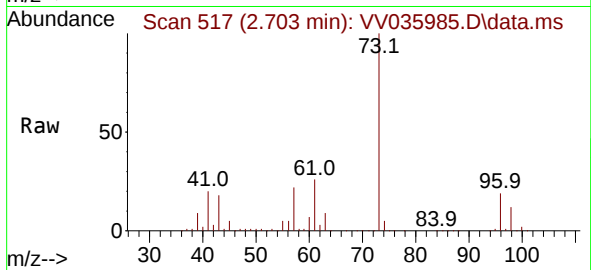
Tgt Ion: 96 Resp: 690845
Ion Ratio Lower Upper
96 100
61 139.4 99.4 184.6
98 63.9 44.9 83.3





#18
Methyl tert-butyl Ether
Concen: 85.787 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Instrument :
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ClientSampleId :
A4DG9



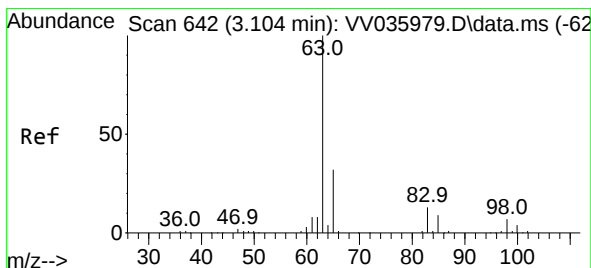
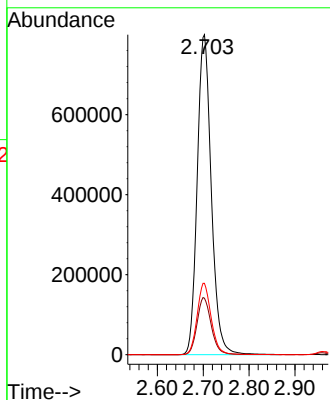
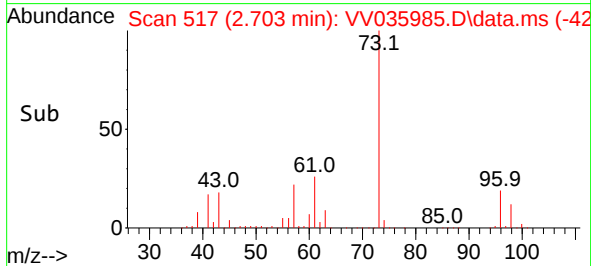
Tgt Ion: 73 Resp: 1704954
Ion Ratio Lower Upper
73 100
43 17.8 14.3 21.5
57 22.2 17.8 26.6

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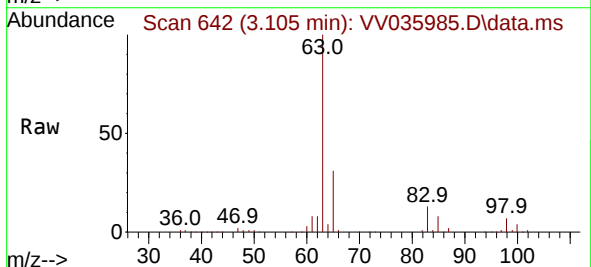
Reviewed By :Mahesh Dadoda 06/07/2024
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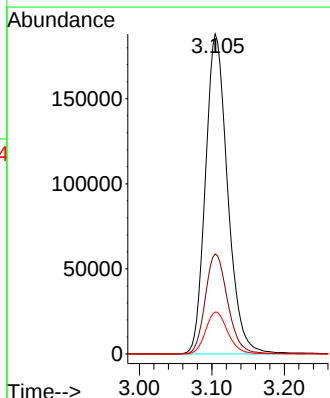
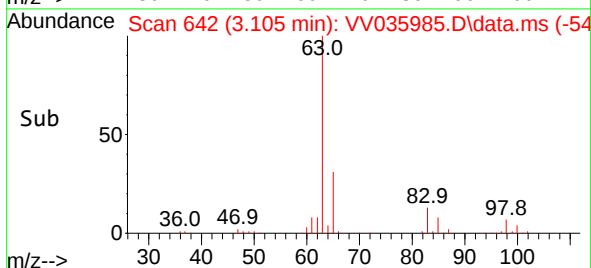
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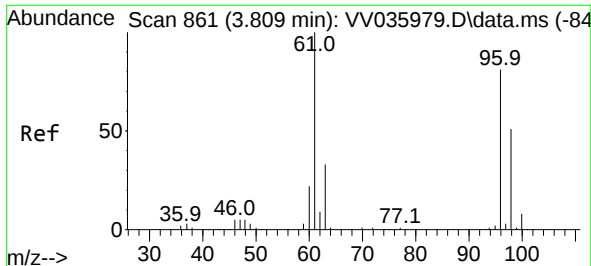


#19
1,1-Dichloroethane
Concen: 23.694 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19



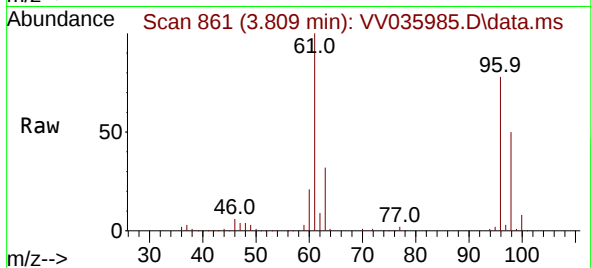
Tgt Ion: 63 Resp: 399461
Ion Ratio Lower Upper
63 100
65 31.2 22.4 41.6
83 13.1 9.2 17.0





#20
cis-1,2-Dichloroethene
Concen: 43.000 ug/L
RT: 3.809 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Instrument :
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ClientSampleId :
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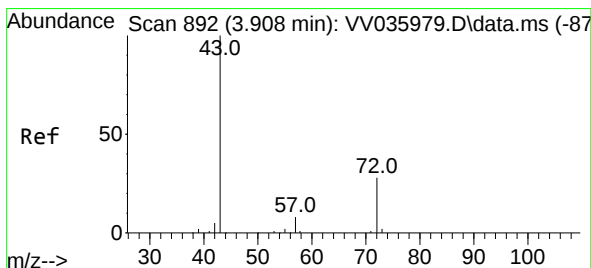
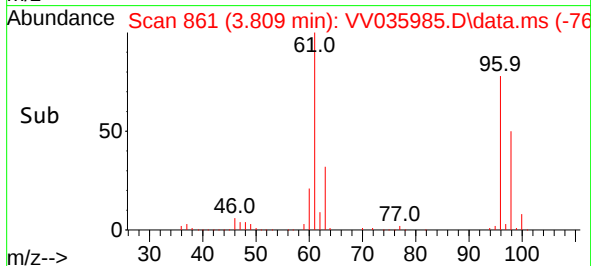
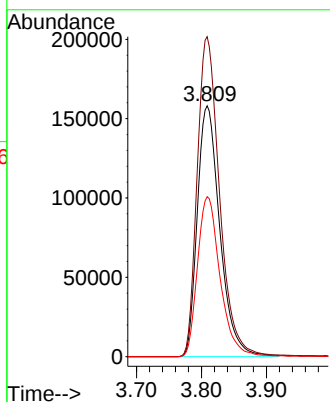
Tgt Ion: 96 Resp: 382510
Ion Ratio Lower Upper
96 100
61 127.5 87.9 163.3
98 63.7 44.4 82.5

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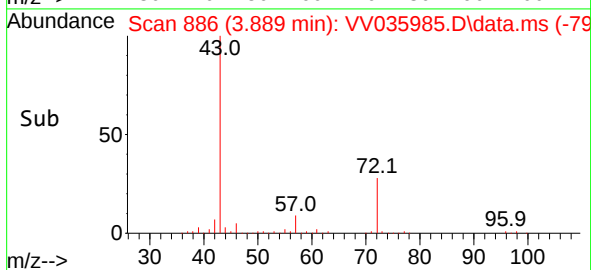
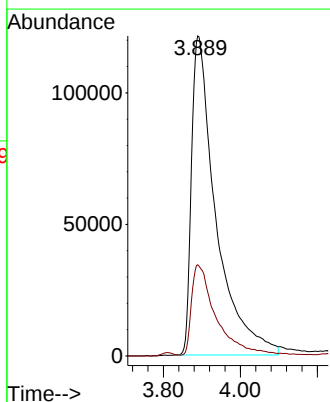
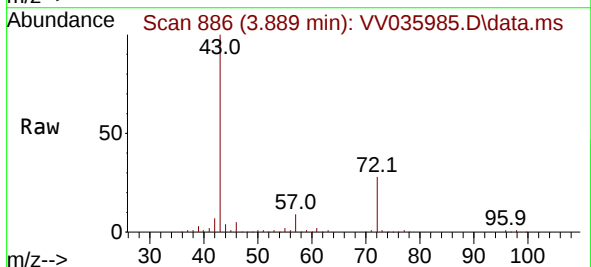
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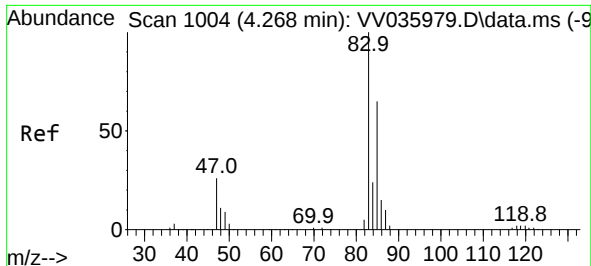
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#22
2-Butanone
Concen: 184.582 ug/L
RT: 3.889 min Scan# 886
Delta R.T. -0.019 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Tgt Ion: 43 Resp: 535584
Ion Ratio Lower Upper
43 100
72 27.0 8.2 24.4#





#25

Chloroform

Concen: 27.273 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. 0.000 min

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Instrument :

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ClientSampleId :

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Tgt Ion: 83 Resp: 47298

Ion Ratio Lower Upper

83 100

85 65.3 45.2 84.0

Manual Integrations

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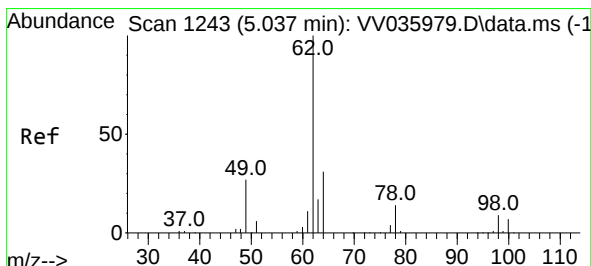
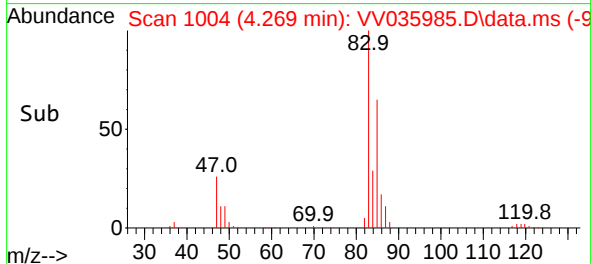
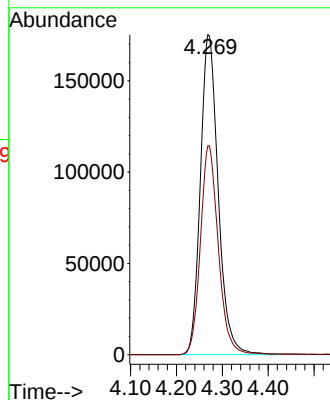
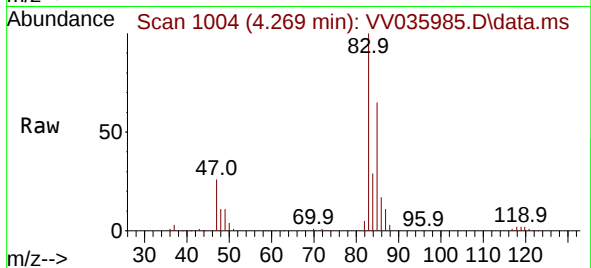
Reviewed By :Mahesh Dadoda 06/07/2024

Supervised By :Semsettin Yesilyurt 06/07/2024

06/07/2024

Supervised By :Semsettin
Yesilyurt

06/07/2024



#27

1,2-Dichloroethane

Concen: 64.400 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.003 min

Lab File: VV035985.D

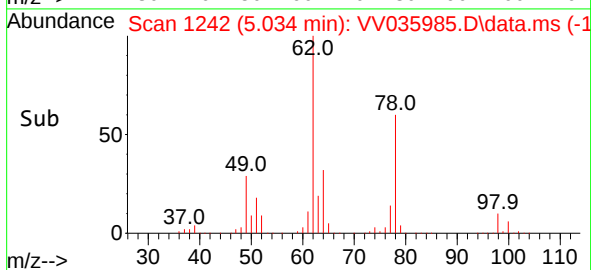
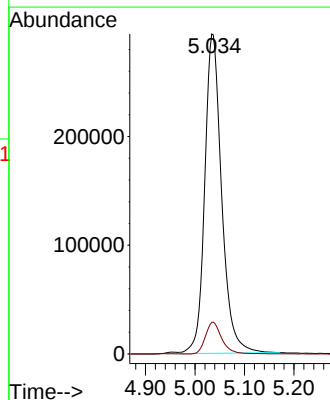
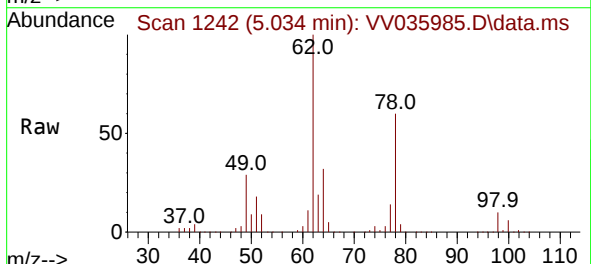
Acq: 06 Jun 2024 14:19

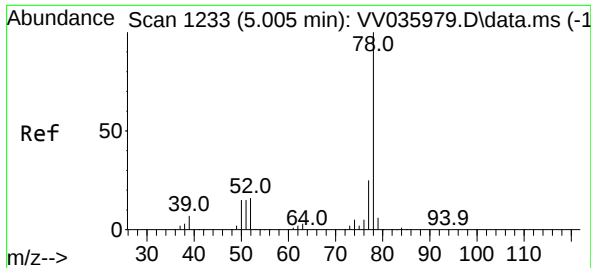
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Ion Ratio Lower Upper

62 100

98 9.9 7.8 11.6





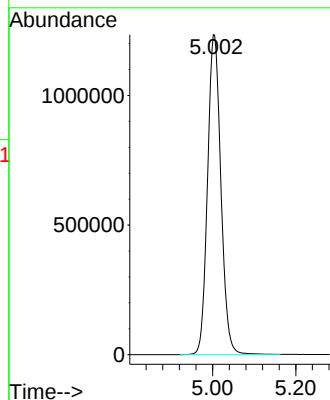
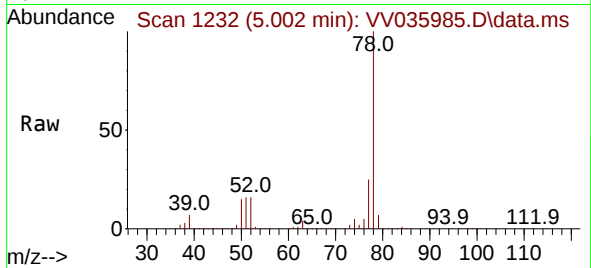
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Benzene
Concen: 83.851 ug/L
RT: 5.002 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Instrument :
MSVOA_V
ClientSampleId :
A4DG9

Tgt Ion: 78 Resp: 275217

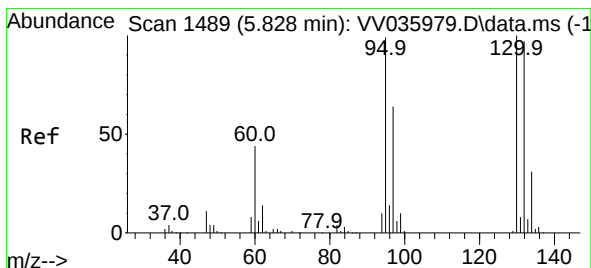
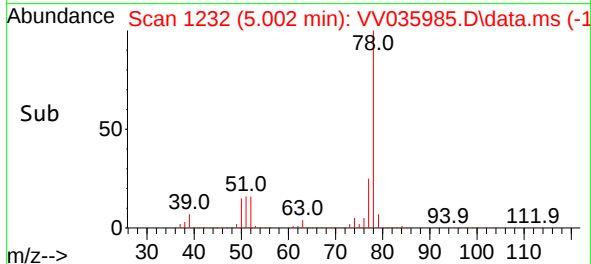
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Reviewed By :Mahesh Dadoda 06/07/2024
Supervised By :Semsettin Yesilyurt 06/07/2024



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Supervised By :Semsettin
Yesilyurt

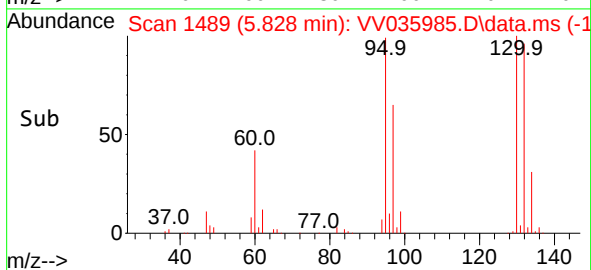
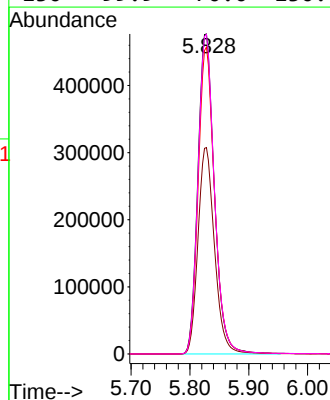
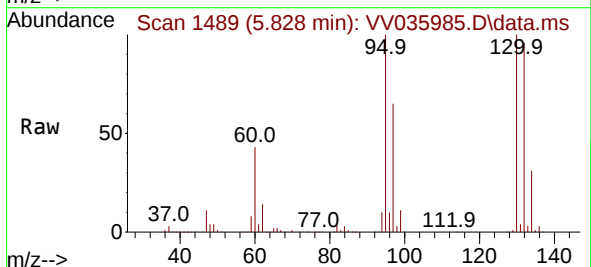
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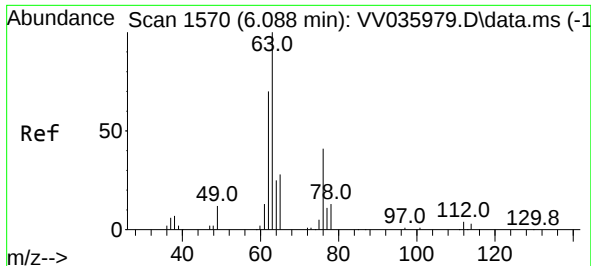


#34
Trichloroethene
Concen: 92.625 ug/L
RT: 5.828 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Tgt Ion: 95 Resp: 931764

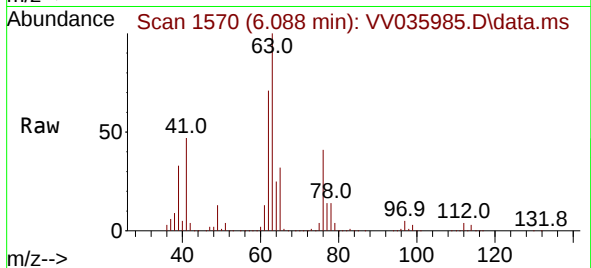
Ion	Ratio	Lower	Upper
95	100		
97	64.5	44.8	83.2
132	95.9	66.8	124.2
130	99.9	70.0	130.0





#37
1,2-Dichloropropane
Concen: 94.108 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

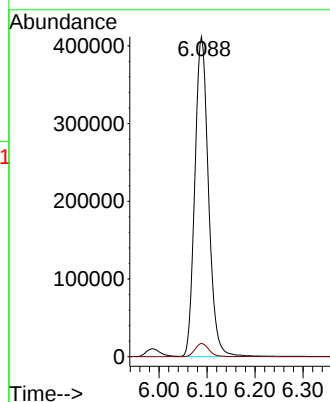
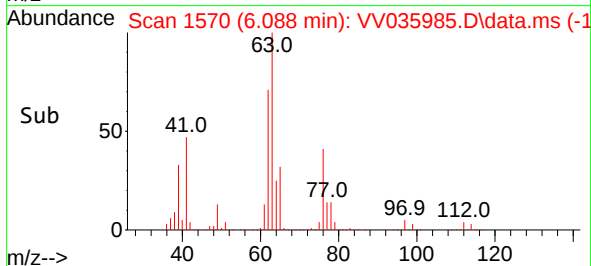
Instrument :
MSVOA_V
ClientSampleId :
A4DG9



Tgt Ion: 63 Resp: 81106
Ion Ratio Lower Upper
63 100
112 4.2 3.5 5.3

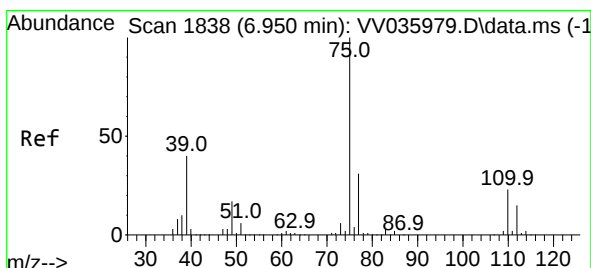
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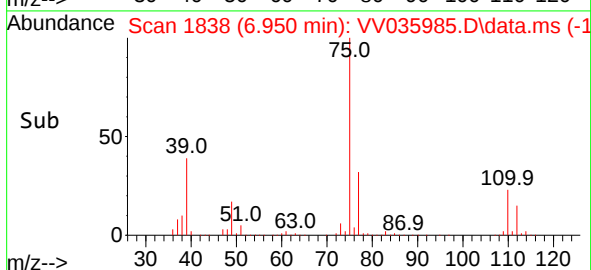
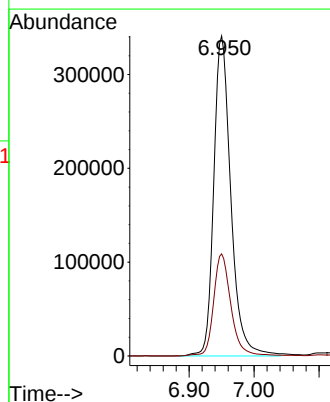
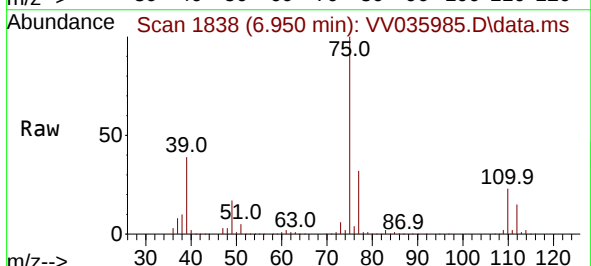
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Supervised By :Semsettin
Yesilyurt

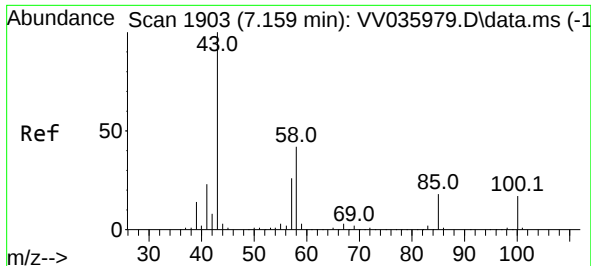
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#39
cis-1,3-Dichloropropene
Concen: 48.324 ug/L
RT: 6.950 min Scan# 1838
Delta R.T. 0.000 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Tgt Ion: 75 Resp: 622919
Ion Ratio Lower Upper
75 100
77 31.9 22.1 41.1





#40
4-Methyl-2-pentanone
Concen: 98.370 ug/L
RT: 7.159 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Instrument :
MSVOA_V
ClientSampleId :
A4DG9

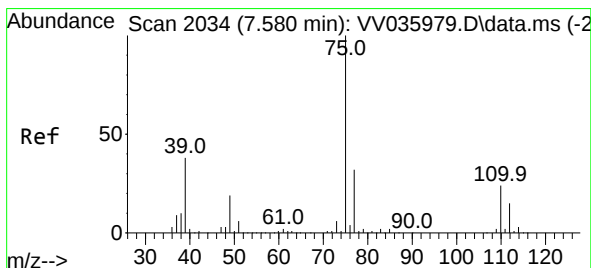
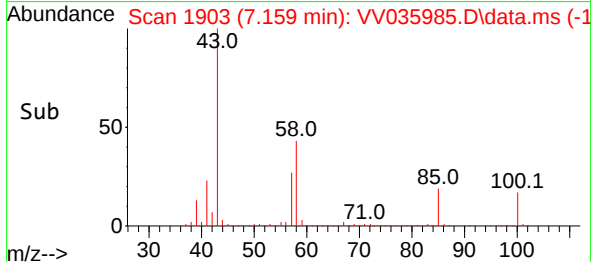
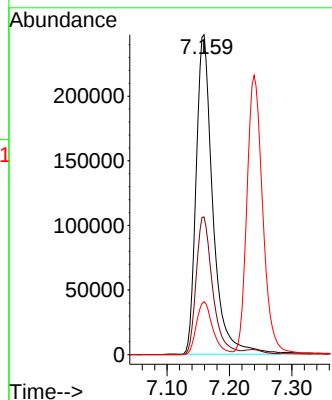
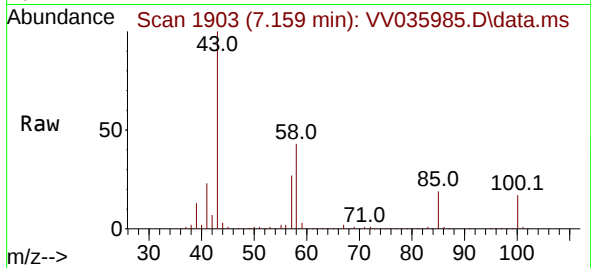
Tgt Ion: 43 Resp: 46061
Ion Ratio Lower Upper
43 100
58 42.4 32.5 48.7
100 16.2 12.5 18.7

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Supervised By :Semsettin Yesilyurt 06/07/2024

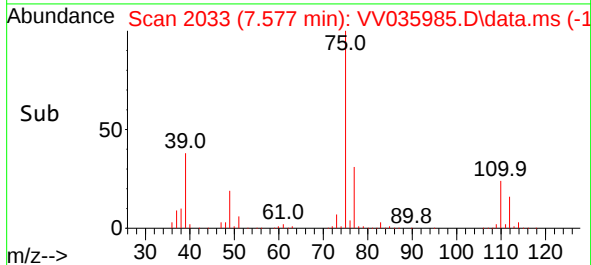
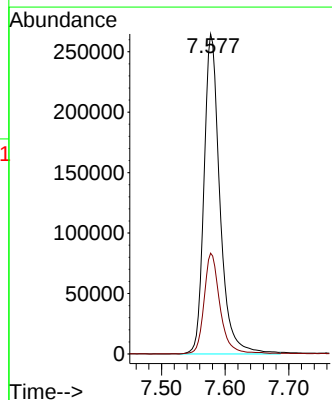
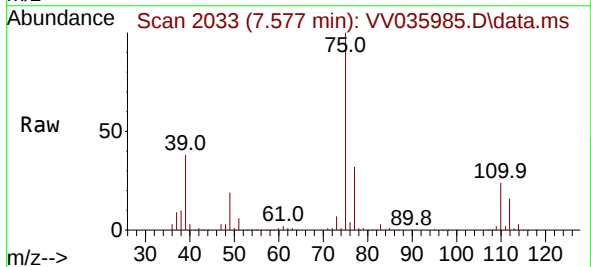
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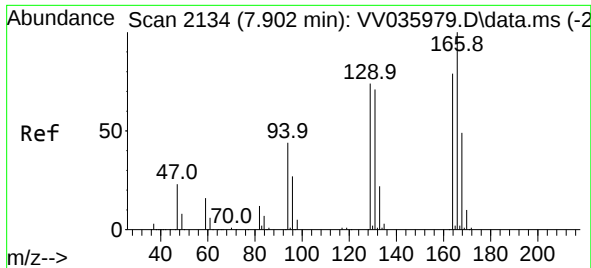
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#44
trans-1,3-Dichloropropene
Concen: 41.375 ug/L
RT: 7.577 min Scan# 2033
Delta R.T. -0.003 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

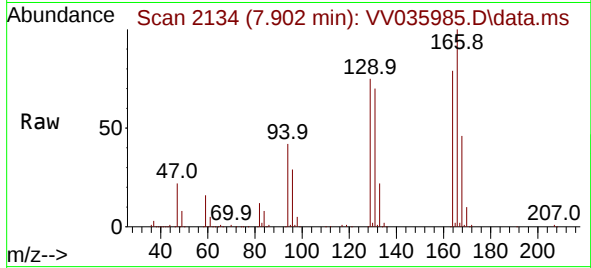
Tgt Ion: 75 Resp: 460675
Ion Ratio Lower Upper
75 100
77 31.5 23.1 42.9





#46
Tetrachloroethene
Concen: 22.902 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Instrument : MSVOA_V
ClientSampleId : A4DG9



Tgt Ion:164 Resp: 16849

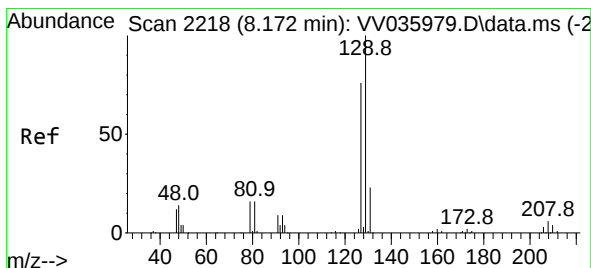
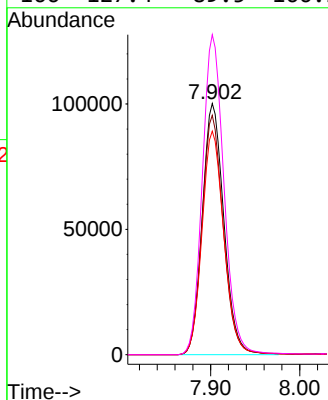
Ion	Ratio	Lower	Upper
164	100		
129	95.2	64.6	120.0
131	88.9	63.2	117.4
166	127.4	89.5	166.3

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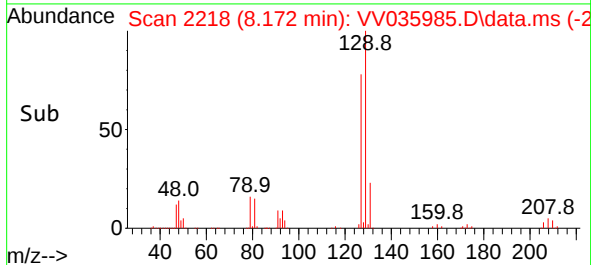
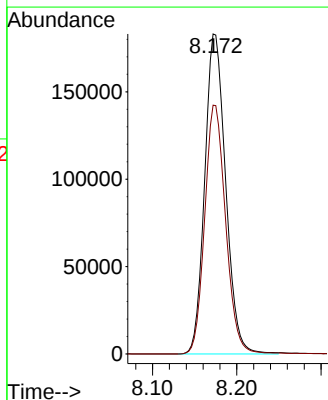
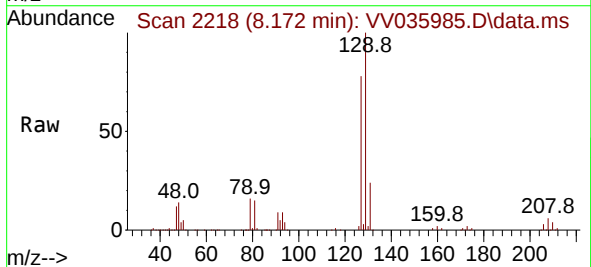
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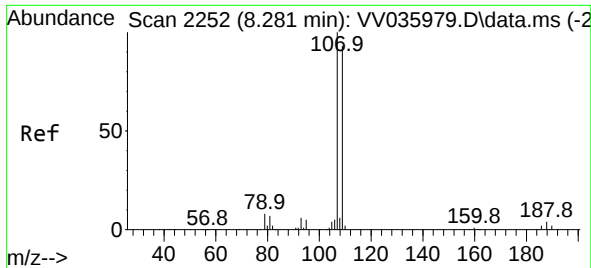


#49
Dibromochloromethane
Concen: 40.570 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Tgt Ion:129 Resp: 316631

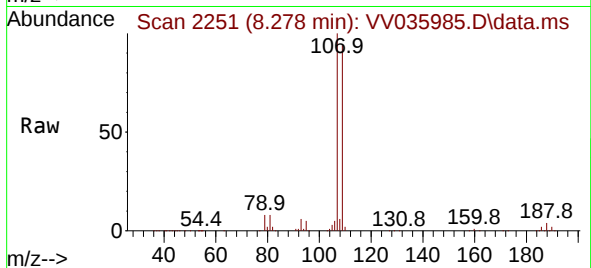
Ion	Ratio	Lower	Upper
129	100		
127	77.7	53.9	100.1





#50
1,2-Dibromoethane
Concen: 77.969 ug/L
RT: 8.278 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Instrument :
MSVOA_V
ClientSampleId :
A4DG9



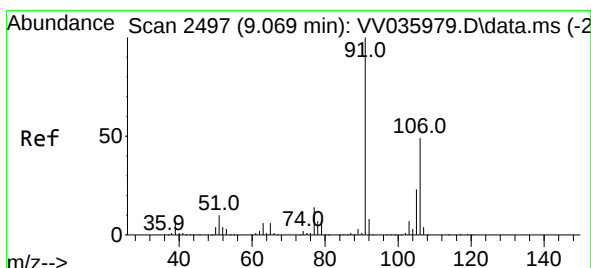
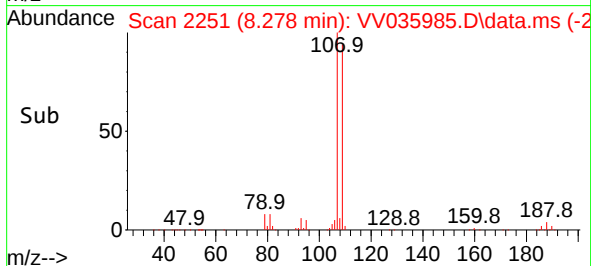
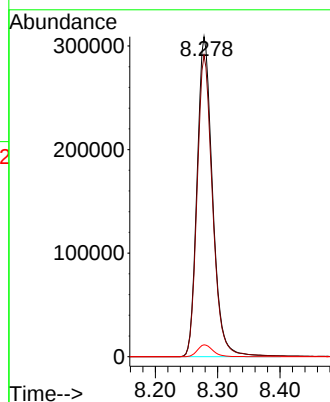
Tgt Ion:107 Resp: 533490
Ion Ratio Lower Upper
107 100
109 94.2 66.1 122.7
188 3.7 3.0 4.6

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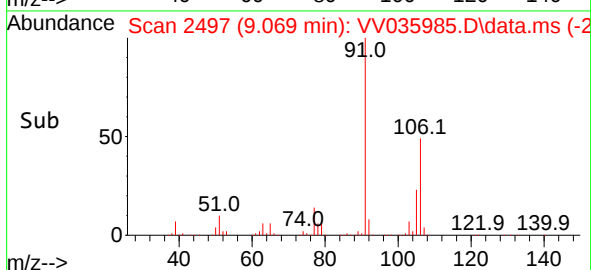
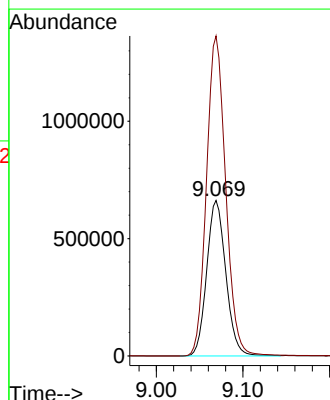
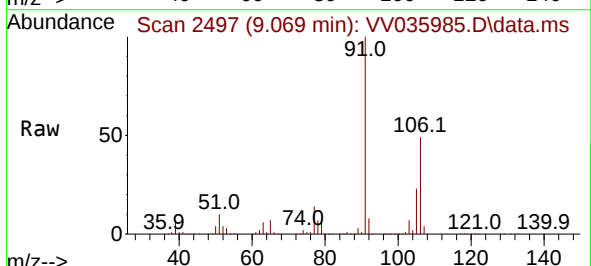
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Yesilyurt

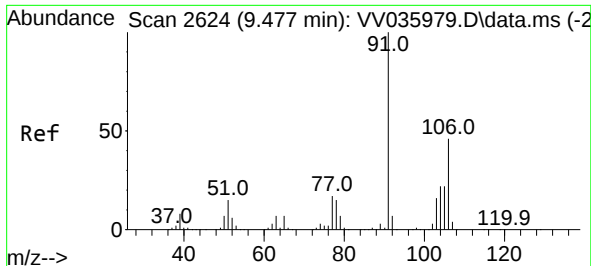
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#53
m,p-Xylene
Concen: 75.404 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.000 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Tgt Ion:106 Resp: 1016670
Ion Ratio Lower Upper
106 100
91 205.8 143.1 265.9





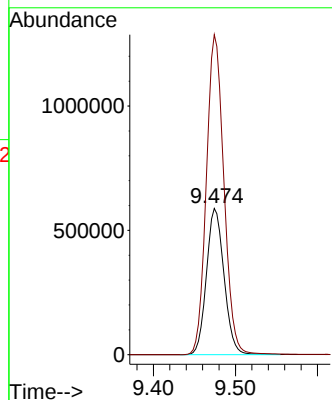
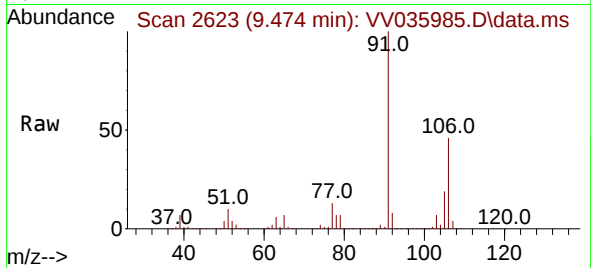
#54
o-Xylene
Concen: 68.889 ug/L
RT: 9.474 min Scan# 20
Delta R.T. -0.003 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Instrument :
MSVOA_V
ClientSampleId :
A4DG9

Tgt Ion:106 Resp: 875909
Ion Ratio Lower Upper
106 100
91 218.7 154.5 286.9

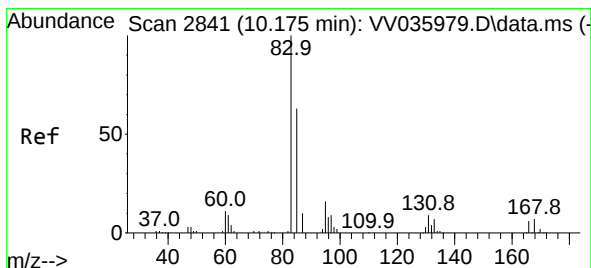
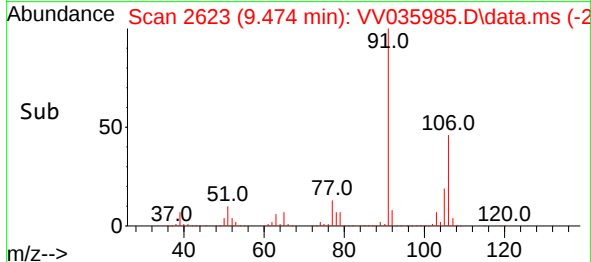
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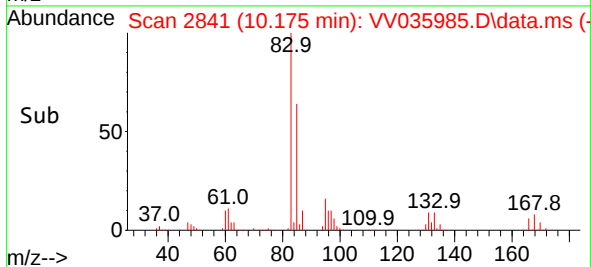
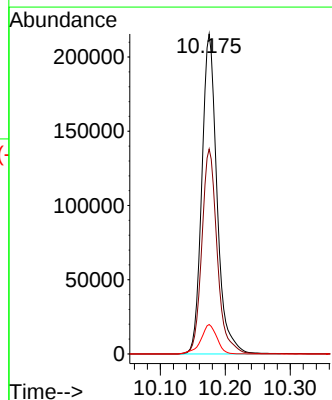
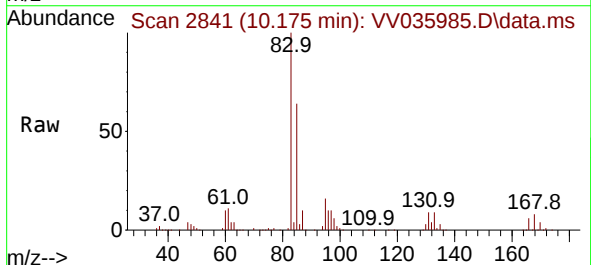
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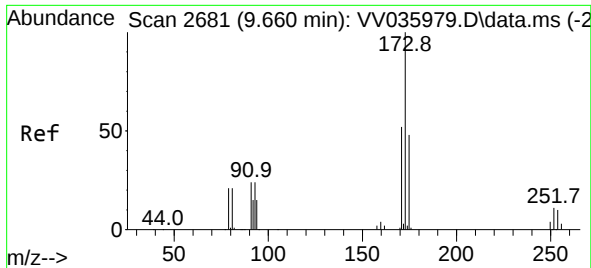
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#57
1,1,2,2-Tetrachloroethane
Concen: 54.934 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

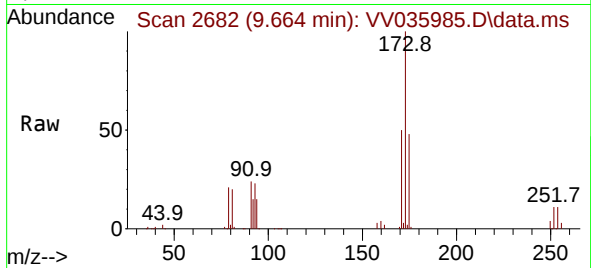
Tgt Ion: 83 Resp: 350767
Ion Ratio Lower Upper
83 100
85 64.0 45.1 83.7
131 9.2 7.6 11.4





#59
Bromoform
Concen: 15.488 ug/L
RT: 9.664 min Scan# 2681
Delta R.T. 0.003 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Instrument :
MSVOA_V
ClientSampleId :
A4DG9



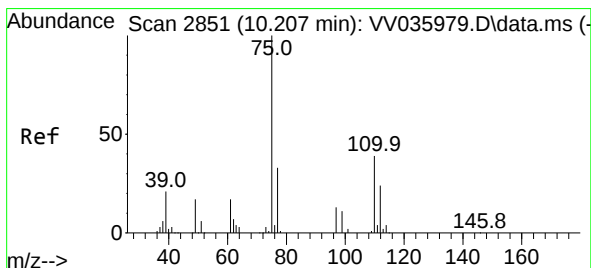
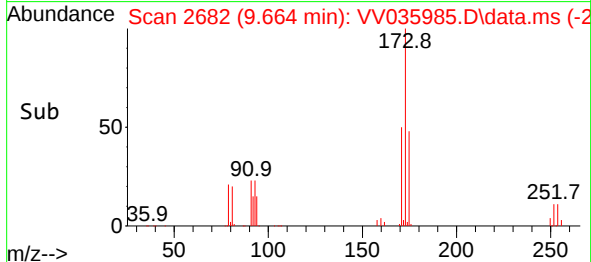
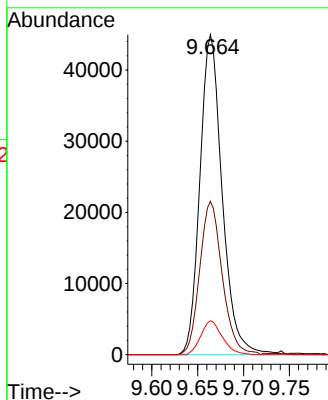
Tgt Ion:173 Resp: 7599
Ion Ratio Lower Upper
173 100
175 48.4 39.0 58.6
254 10.2 8.6 13.0

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Supervised By :Semsettin Yesilyurt 06/07/2024

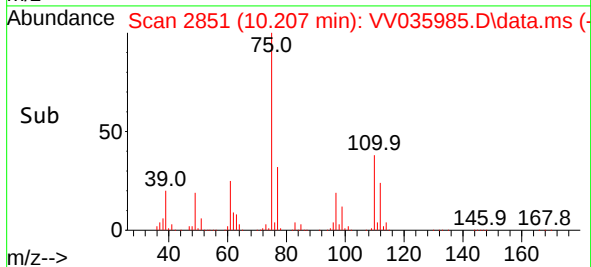
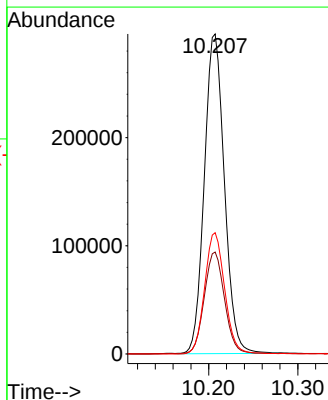
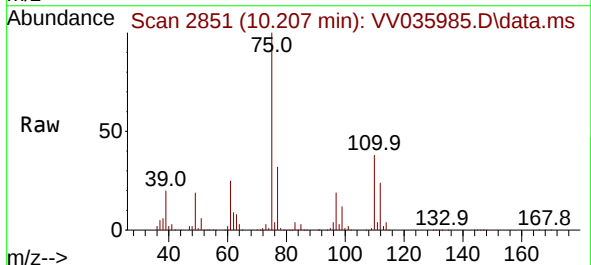
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Supervised By :Semsettin
Yesilyurt

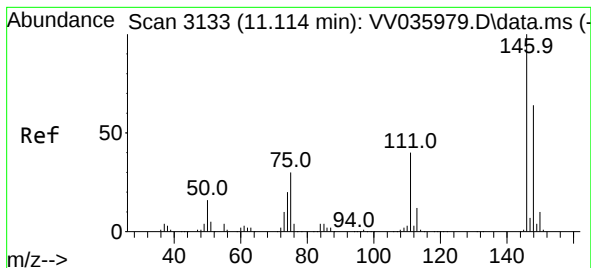
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#61
1,2,3-Trichloropropane
Concen: 75.127 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Tgt Ion: 75 Resp: 462285
Ion Ratio Lower Upper
75 100
77 31.9 26.0 39.0
110 37.9 32.2 48.4





#64

1,3-Dichlorobenzene

Concen: 26.274 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV035985.D

Acq: 06 Jun 2024 14:19

Instrument :

MSVOA_V

ClientSampleId :

A4DG9

Tgt Ion:146 Resp: 460564

Ion Ratio Lower Upper

146 100

111 39.5 28.1 52.1

148 64.4 44.7 83.1

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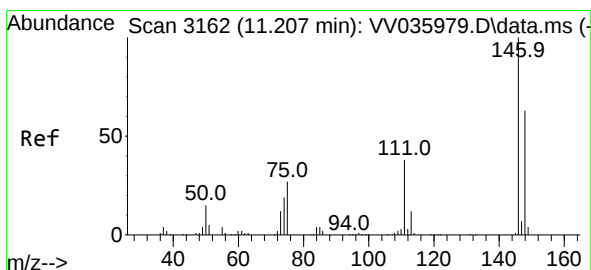
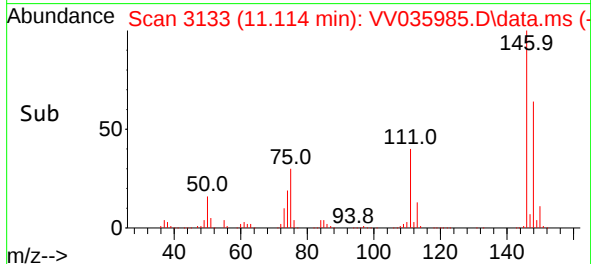
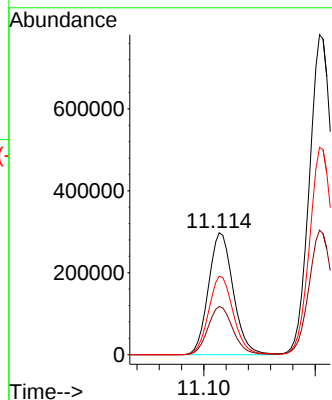
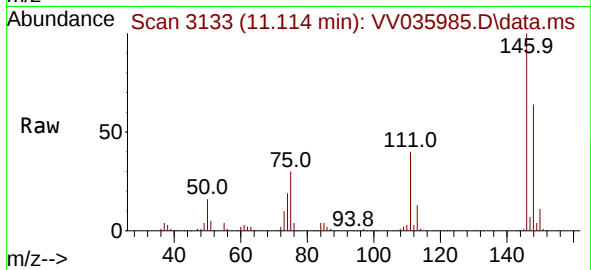
Reviewed By :Mahesh Dadoda 06/07/2024

Supervised By :Semsettin Yesilyurt 06/07/2024

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Supervised By :Semsettin
Yesilyurt

06/07/2024



#65

1,4-Dichlorobenzene

Concen: 65.146 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.003 min

Lab File: VV035985.D

Acq: 06 Jun 2024 14:19

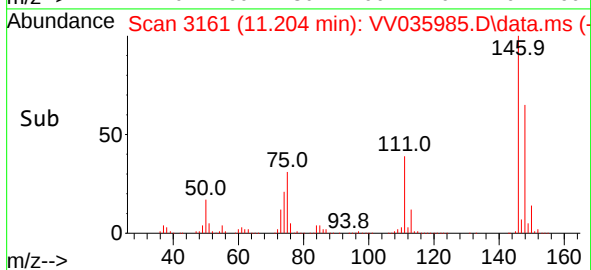
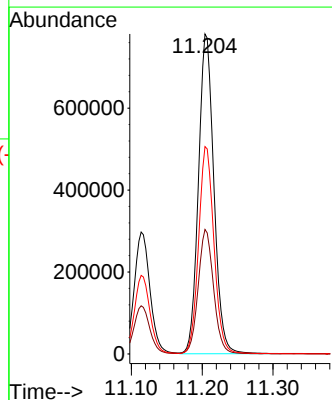
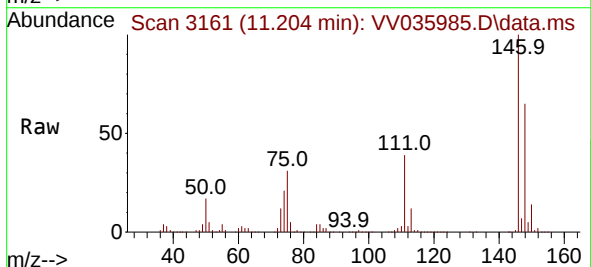
Tgt Ion:146 Resp: 1178707

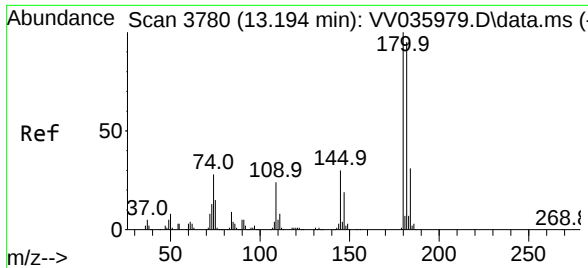
Ion Ratio Lower Upper

146 100

111 38.9 26.9 50.1

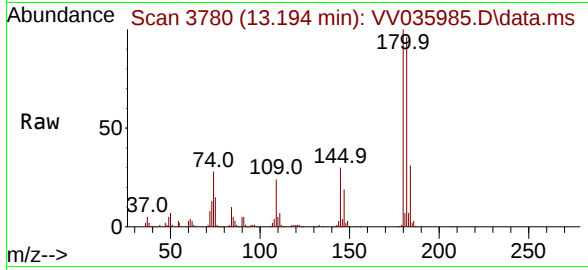
148 64.8 44.5 82.7





#70
1,2,4-trichlorobenzene
Concen: 24.180 ug/L
RT: 13.194 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV035985.D
Acq: 06 Jun 2024 14:19

Instrument :
MSVOA_V
ClientSampleId :
A4DG9



Tgt Ion:	180	Resp:	249640
Ion Ratio	Lower	Upper	
180	100		
182	95.1	76.1	114.1
145	29.1	23.5	35.3

Manual Integrations
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06/07/2024
Supervised By :Semsettin
Yesilyurt

06/07/2024

