

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040224\
 Data File : VW034936.D
 Acq On : 02 Apr 2024 17:09
 Operator : SY/MD
 Sample : P1925-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-2(20240327)

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

Quant Time: Apr 03 05:21:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 03 05:08:19 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	169726	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	168604	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	85545	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	70676	5.053	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.000%
7) Chloroethane-d5	1.532	69	61466	5.330	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.600%
11) 1,1-Dichloroethene-d2	2.060	65	32357	5.093	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.800%
20) 2-Butanone-d5	3.799	46	122075	55.778	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.560%
24) Chloroform-d	4.252	84	106408	4.701	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
26) 1,2-Dichloroethane-d4	4.944	65	53525	5.237	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	4.960	84	221165	5.014	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	5.989	67	67924	5.247	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.000%
41) Toluene-d8	7.243	98	190335	4.751	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
43) trans-1,3-Dichloroprop...	7.561	79	22964	4.994	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.800%
46) 2-Hexanone-d5	8.027	63	90767	57.512	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.020%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	49186	5.446	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.000%
66) 1,2-Dichlorobenzene-d4	11.561	152	68671	5.096	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						
5) Vinyl chloride	1.282	62	471605	27.832	ug/L	100
8) Chloroethane	1.552	64	10327	0.948	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	187132	13.562	ug/L	97
12) 1,1-Dichloroethene	2.069	96	3255371	252.633	ug/L #	69
16) Methylene chloride	2.449	84	9744	0.689	ug/L	88
18) trans-1,2-Dichloroethene	2.696	96	115988	9.081	ug/L	93
19) 1,1-Dichloroethane	3.098	63	26579140m	1054.713	ug/L	
22) cis-1,2-Dichloroethene	3.809	96	4453263	332.923	ug/L	97
25) Chloroform	4.278	83	6459	0.258	ug/L	84
27) 1,2-Dichloroethane	5.040	62	353570	25.105	ug/L	100
29) 1,1,1-Trichloroethane	4.513	97	280075	13.553	ug/L	98
30) Cyclohexane	4.584	56	4344	0.228	ug/L	90
33) Benzene	5.008	78	454389	8.803	ug/L	100
34) Trichloroethene	5.831	95	7877037	585.713	ug/L	99
35) Methylcyclohexane	6.050	83	7006	0.342	ug/L #	67
42) Toluene	7.330	91	9844	0.181	ug/L	98
45) 1,1,2-Trichloroethane	7.780	97	4797	0.545	ug/L	91
47) Tetrachloroethene	7.908	164	3480	0.344	ug/L	93
51) Chlorobenzene	8.812	112	283704	8.093	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.088	106	1472	0.068	ug/L	85
54) o-Xylene	9.490	106	1904	0.090	ug/L	77
64) 1,3-Dichlorobenzene	11.117	146	117897	4.321	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	360784	13.201	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	14024	0.556	ug/L	89
70) 1,2,4-trichlorobenzene	13.197	180	63408	3.984	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	2490	0.178	ug/L	98

04/05/2024
Supervised By :Semsettin
Yesilyurt

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

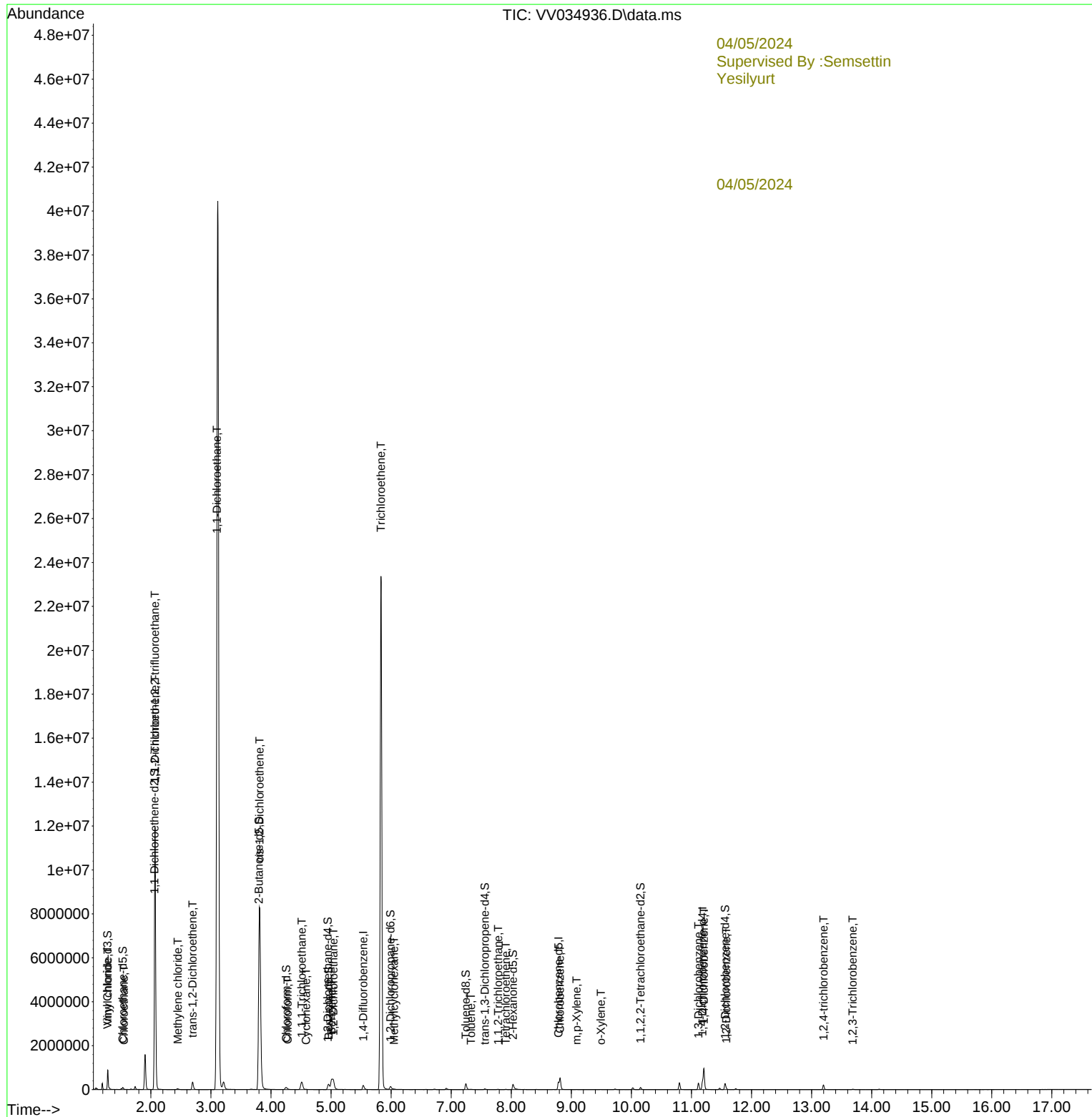
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Data File : VV034936.D
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Sample : P1925-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

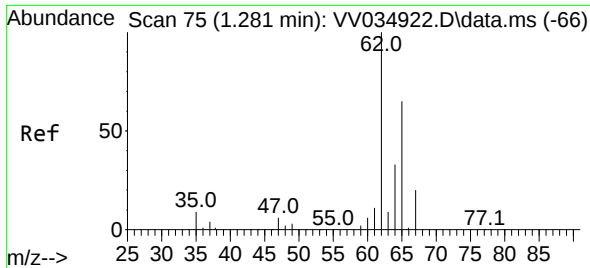
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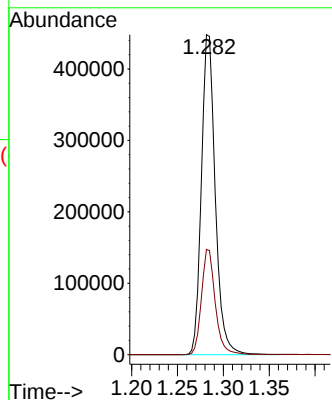
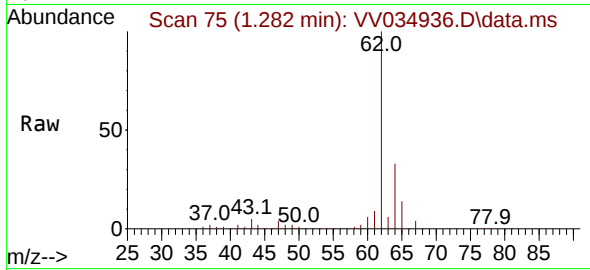
#5
 Vinyl chloride
 Concen: 27.832 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV034936.D
 Acq: 02 Apr 2024 17:09

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-2(20240327)

Tgt Ion: 62 Resp: 471609
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.9 42.5

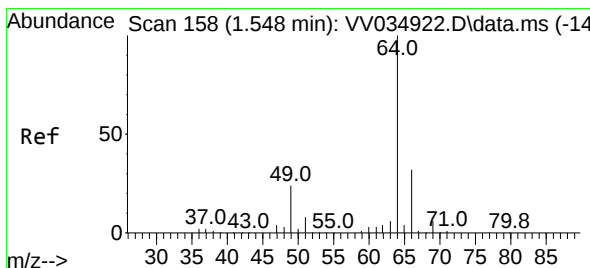
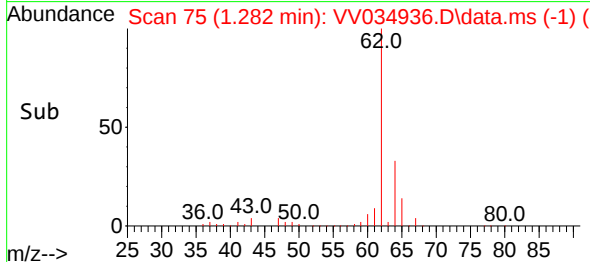
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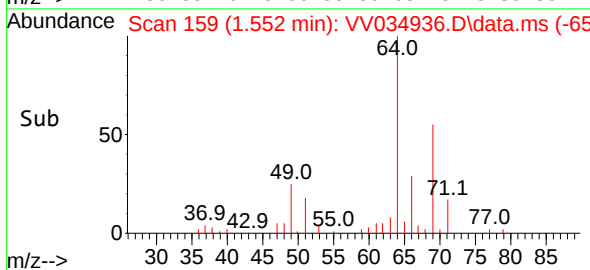
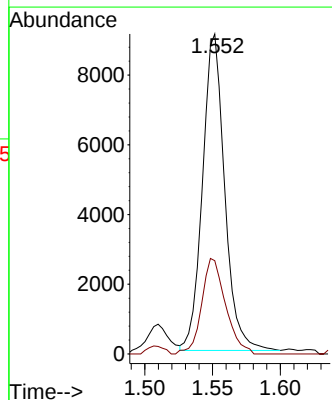
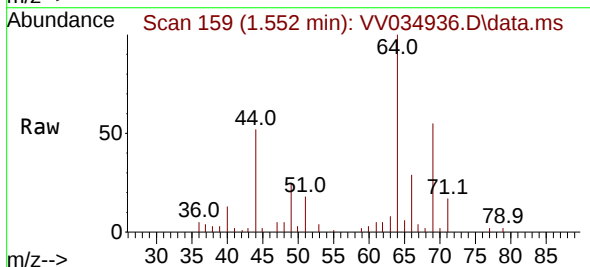
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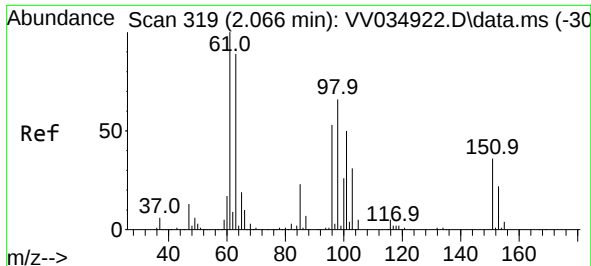
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#8
 Chloroethane
 Concen: 0.948 ug/L
 RT: 1.552 min Scan# 159
 Delta R.T. 0.003 min
 Lab File: VV034936.D
 Acq: 02 Apr 2024 17:09

Tgt Ion: 64 Resp: 10327
 Ion Ratio Lower Upper
 64 100
 66 29.2 22.6 42.0





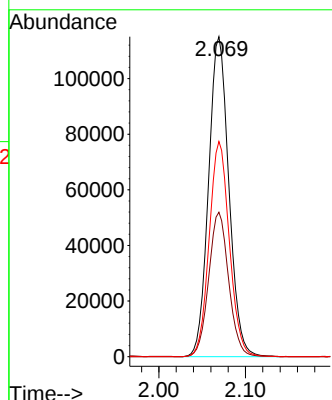
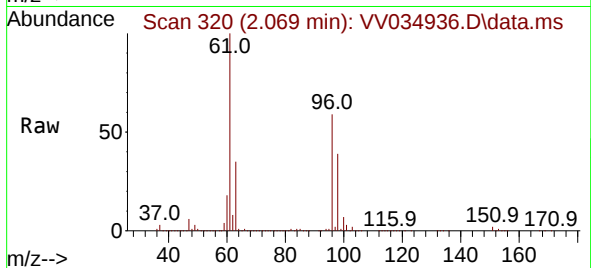
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 13.562 ug/L
RT: 2.069 min Scan# 319
Delta R.T. 0.003 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20240327)

Tgt Ion:101 Resp: 18713
Ion Ratio Lower Upper
101 100
85 44.5 36.2 54.4
151 66.9 56.0 84.0

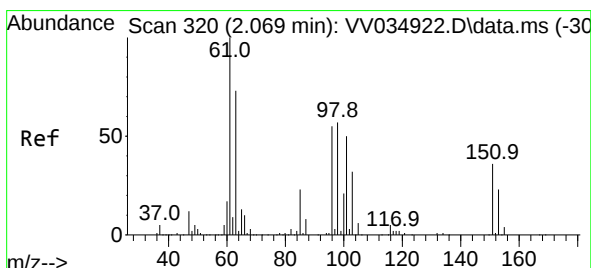
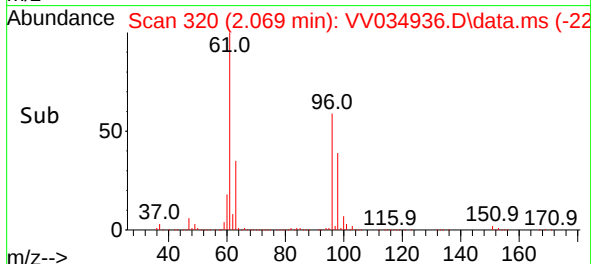
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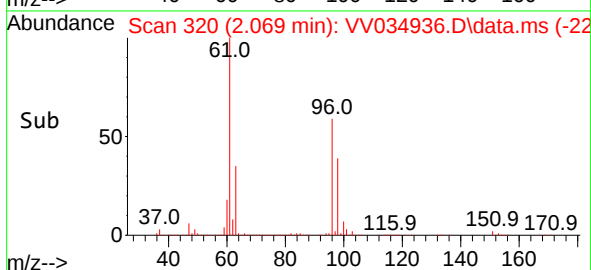
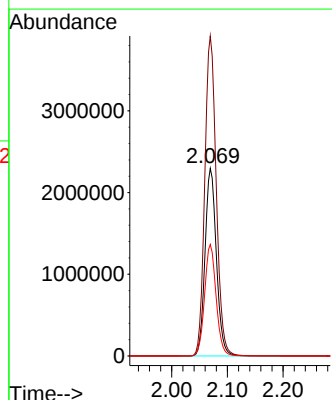
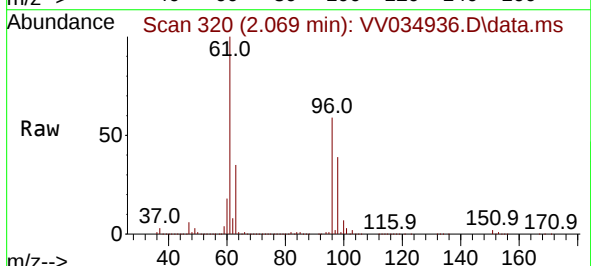
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Yesilyurt

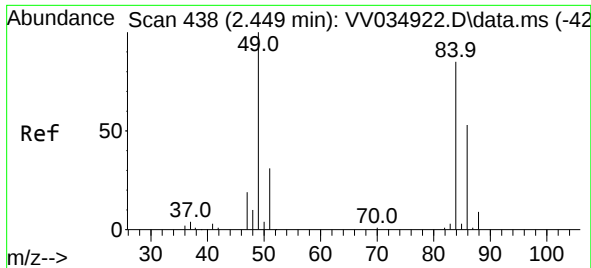
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#12
1,1-Dichloroethene
Concen: 252.633 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

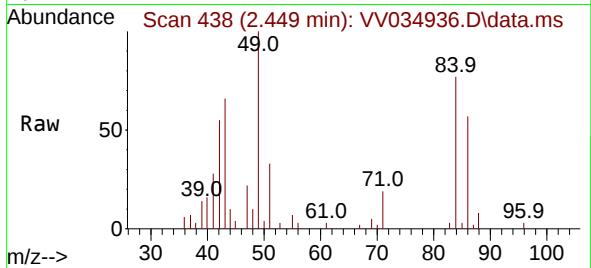
Tgt Ion: 96 Resp: 3255371
Ion Ratio Lower Upper
96 100
61 170.5 128.1 237.9
63 59.4 93.5 173.7#





#16
Methylene chloride
Concen: 0.689 ug/L
RT: 2.449 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

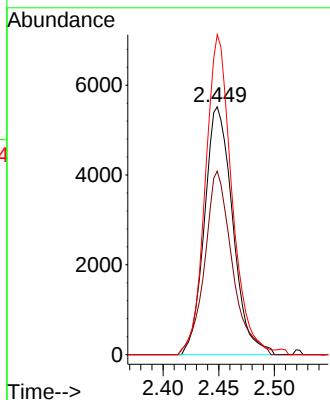
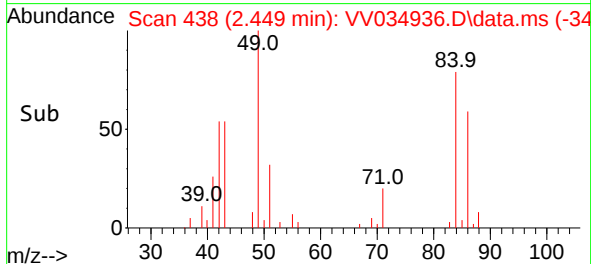
Instrument :
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Tgt Ion: 84 Resp: 974
Ion Ratio Lower Upper
84 100
86 74.1 43.5 80.9
49 129.1 82.5 153.3

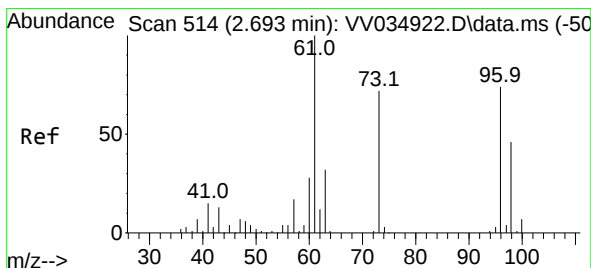
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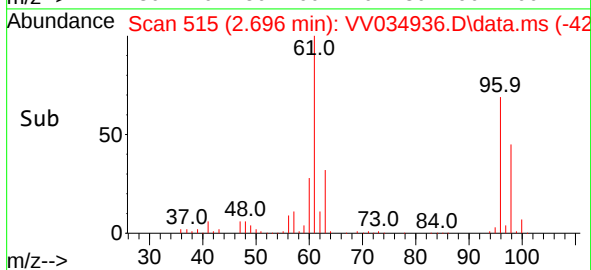
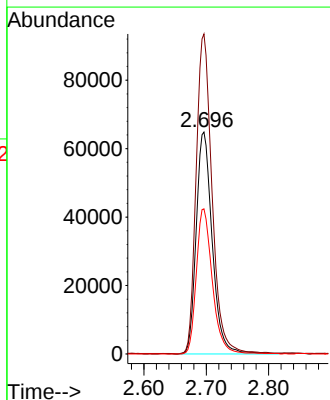
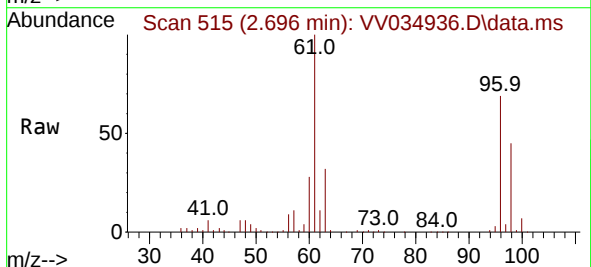
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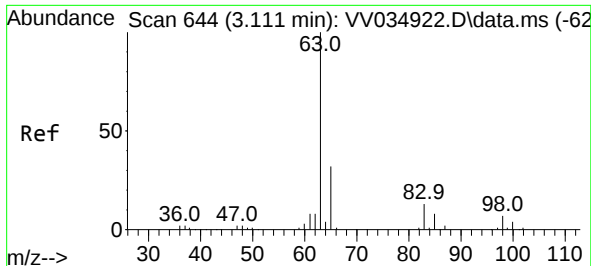
04/05/2024



#18
trans-1,2-Dichloroethene
Concen: 9.081 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

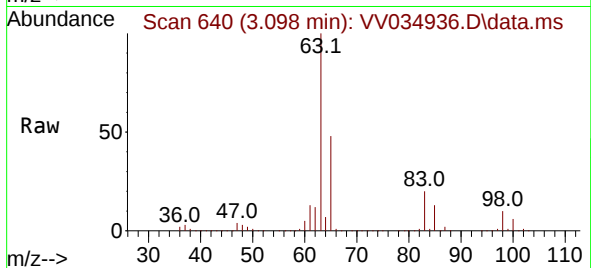
Tgt Ion: 96 Resp: 115988
Ion Ratio Lower Upper
96 100
61 144.2 94.5 175.5
98 65.4 43.5 80.9





#19
1,1-Dichloroethane
Concen: 1054.713 ug/L m
RT: 3.098 min Scan# 64
Delta R.T. -0.013 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

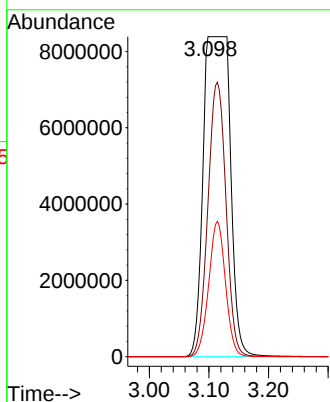
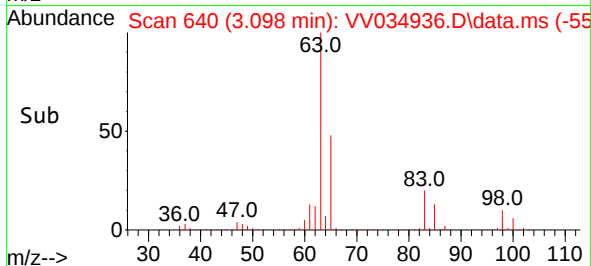
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Tgt Ion: 63 Resp: 26579140
Ion Ratio Lower Upper
63 100
65 47.7 22.5 41.9
83 20.5 9.1 16.9

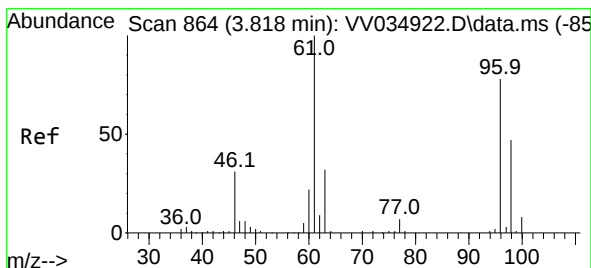
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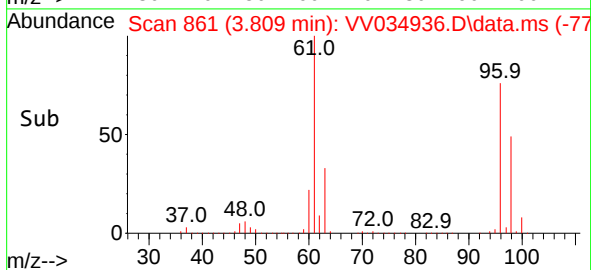
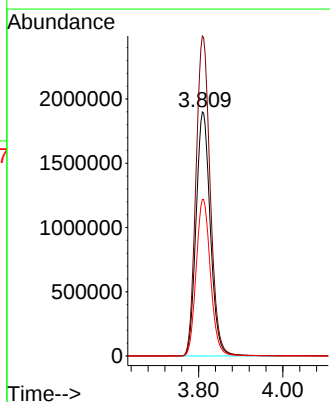
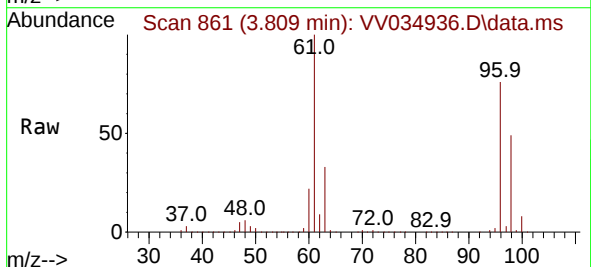
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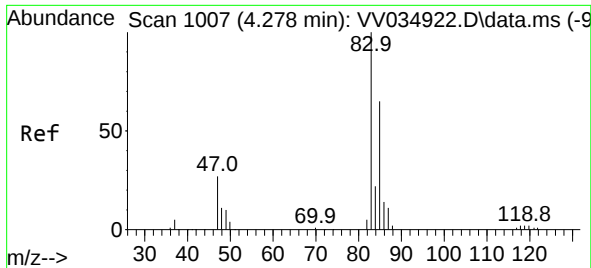
04/05/2024



#22
cis-1,2-Dichloroethene
Concen: 332.923 ug/L
RT: 3.809 min Scan# 861
Delta R.T. -0.010 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

Tgt Ion: 96 Resp: 4453263
Ion Ratio Lower Upper
96 100
61 131.1 90.3 167.7
98 64.2 42.7 79.3





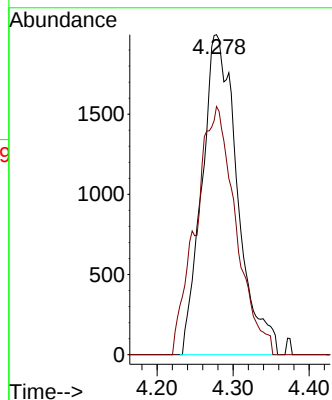
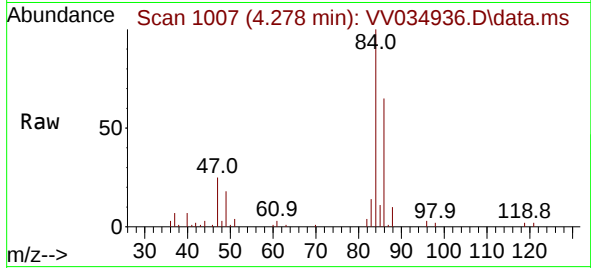
#25
Chloroform
Concen: 0.258 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV034936.D
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Tgt Ion: 83 Resp: 645
Ion Ratio Lower Upper
83 100
85 77.6 45.5 84.5

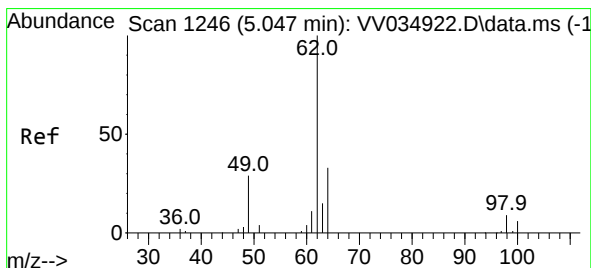
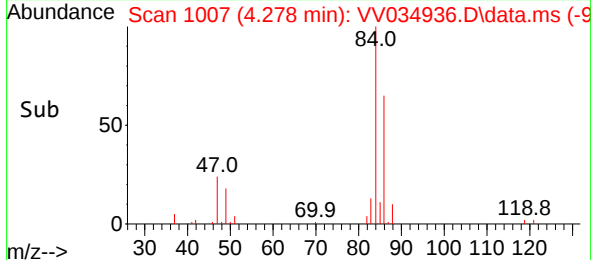
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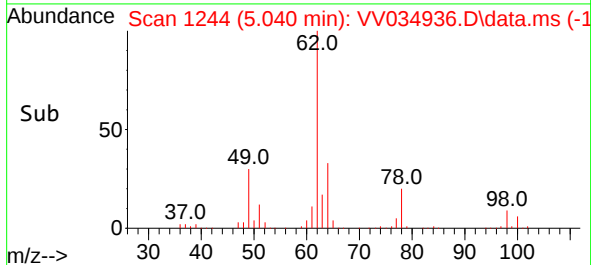
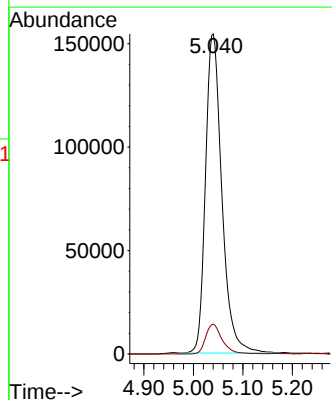
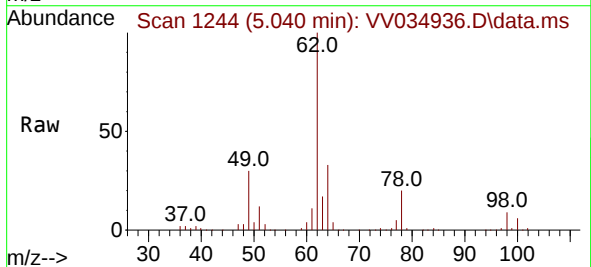
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Yesilyurt

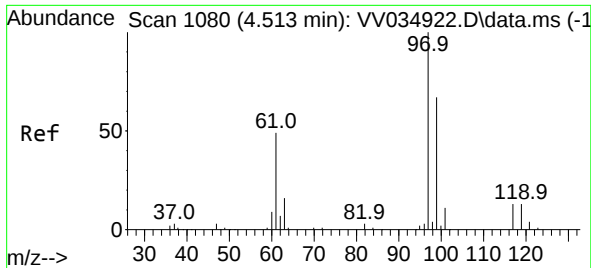
04/05/2024



#27
1,2-Dichloroethane
Concen: 25.105 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. -0.006 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

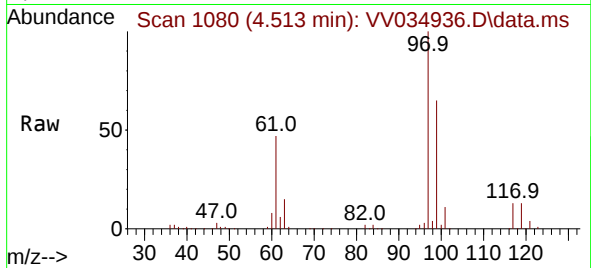
Tgt Ion: 62 Resp: 353570
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.0





#29
1,1,1-Trichloroethane
Concen: 13.553 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. 0.000 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

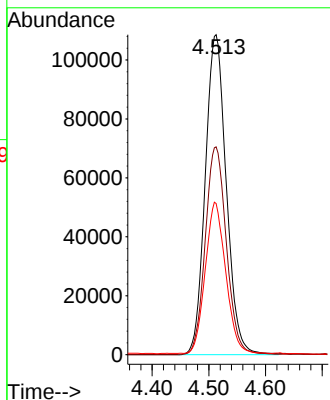
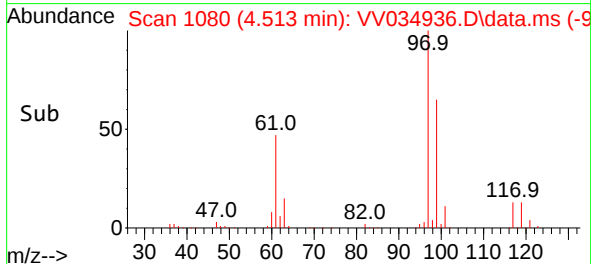
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Tgt Ion: 97 Resp: 28007
Ion Ratio Lower Upper
97 100
99 65.3 52.1 78.1
61 45.8 38.7 58.1

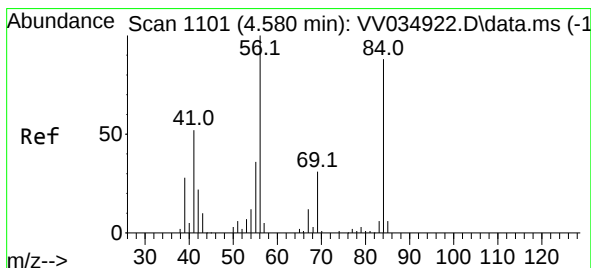
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Dadoda



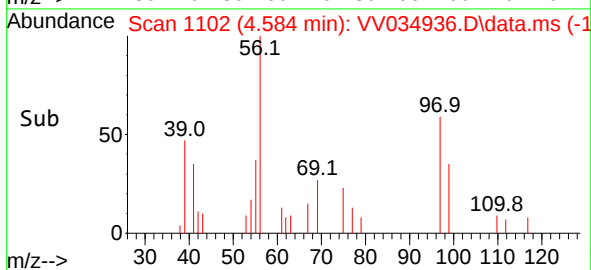
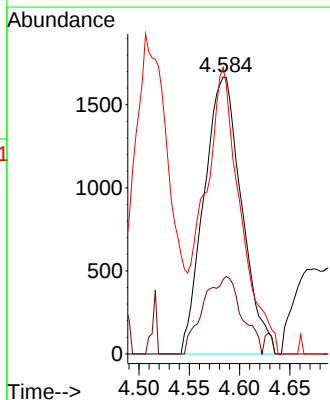
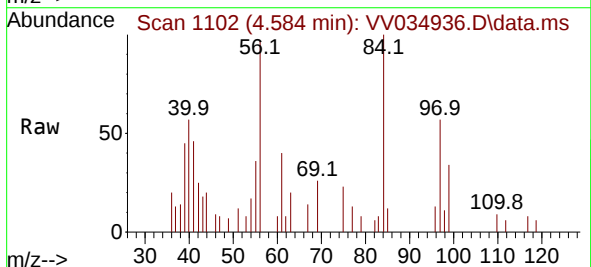
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Supervised By :Semsettin
Yesilyurt

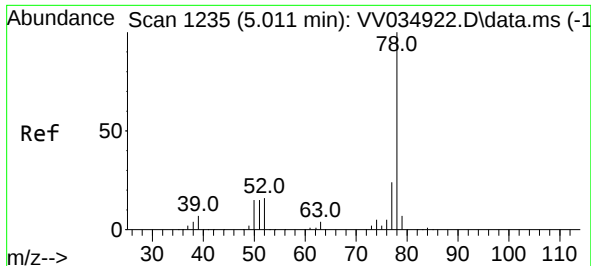
04/05/2024



#30
Cyclohexane
Concen: 0.228 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

Tgt Ion: 56 Resp: 4344
Ion Ratio Lower Upper
56 100
69 28.7 25.2 37.8
84 98.5 69.8 104.8





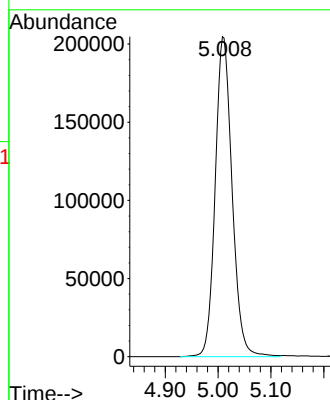
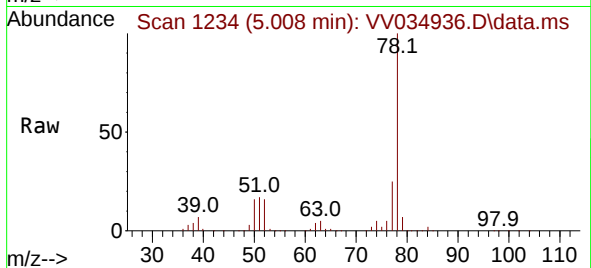
#33
Benzene
Concen: 8.803 ug/L
RT: 5.008 min Scan# 1490
Delta R.T. -0.003 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20240327)

Tgt Ion: 78 Resp: 454389

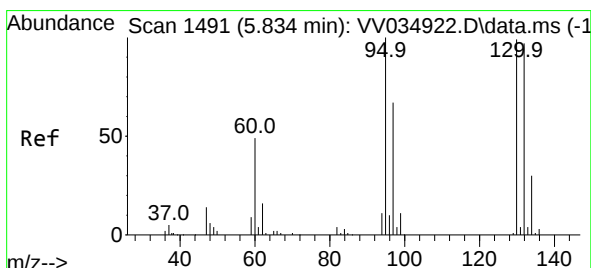
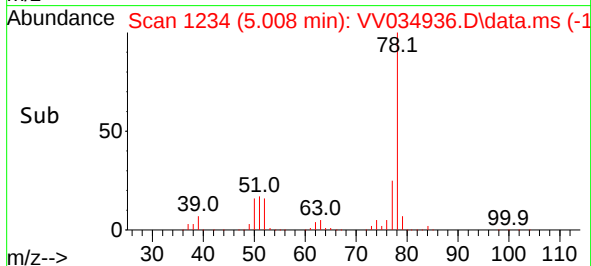
Manual Integrations
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Reviewed By :Mahesh
Dadoda



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Supervised By :Semsettin
Yesilyurt

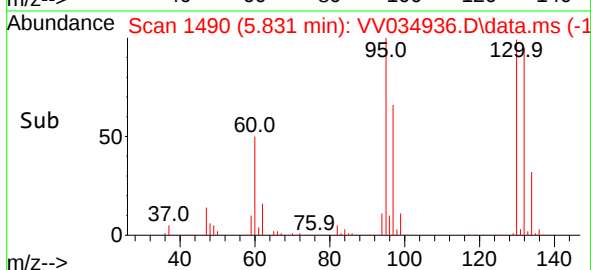
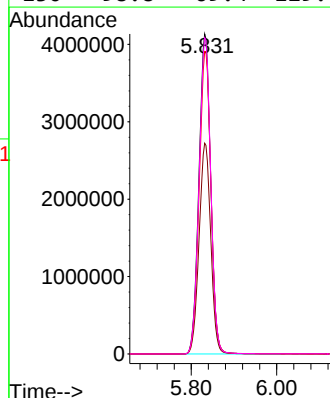
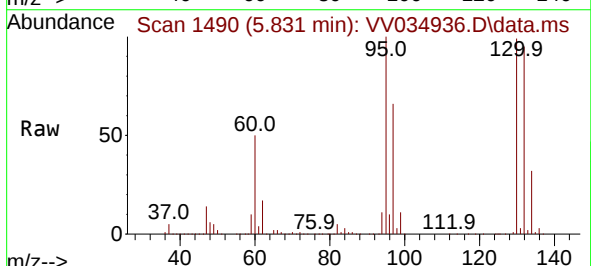
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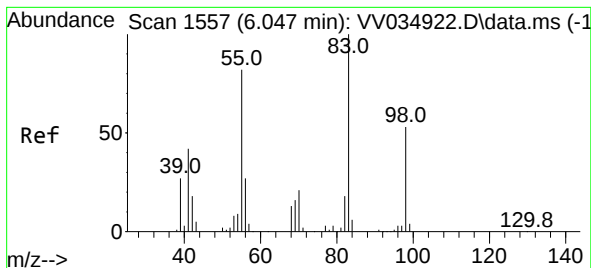


#34
Trichloroethene
Concen: 585.713 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.003 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

Tgt Ion: 95 Resp: 7877037

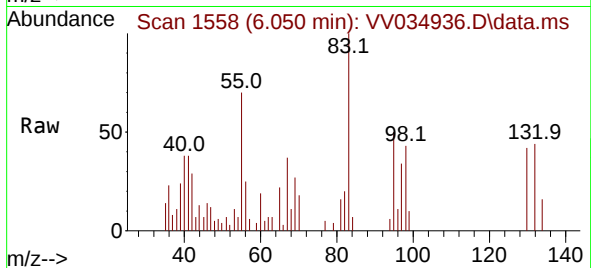
Ion	Ratio	Lower	Upper
95	100		
97	65.8	46.8	86.8
132	94.5	68.0	126.4
130	98.8	69.4	129.0





#35
Methylcyclohexane
Concen: 0.342 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.003 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

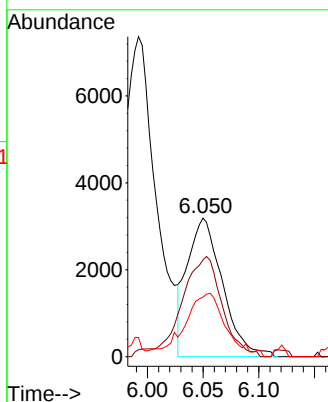
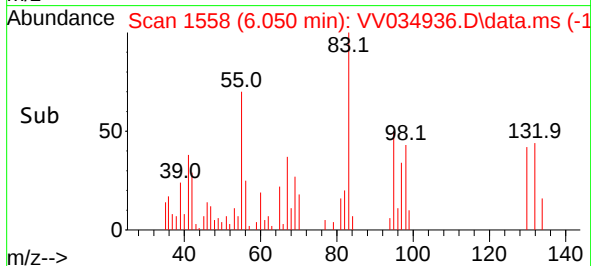
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20240327)



Tgt Ion: 83 Resp: 7000
Ion Ratio Lower Upper
83 100
55 83.5 60.6 91.0
98 0.0 37.8 56.6

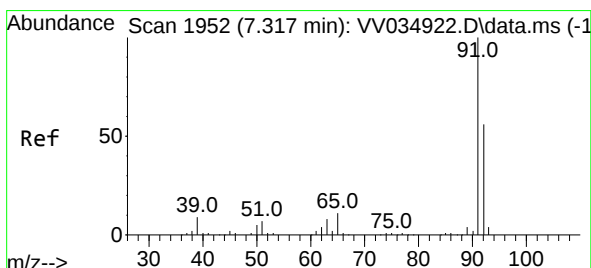
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



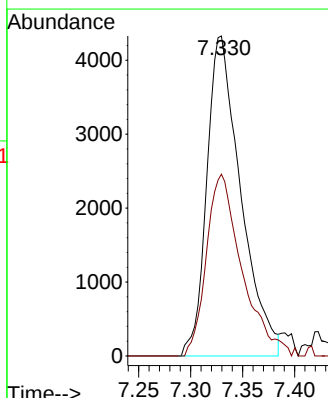
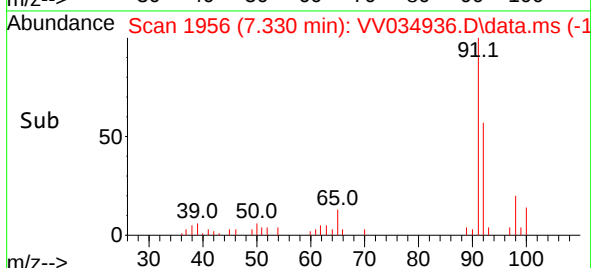
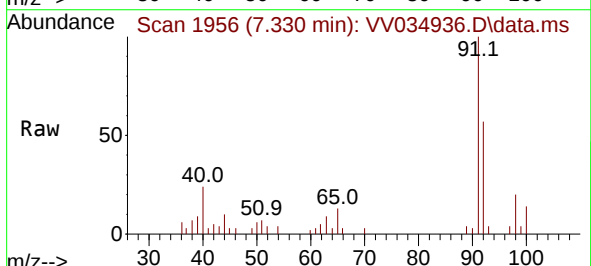
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Supervised By :Semsettin
Yesilyurt

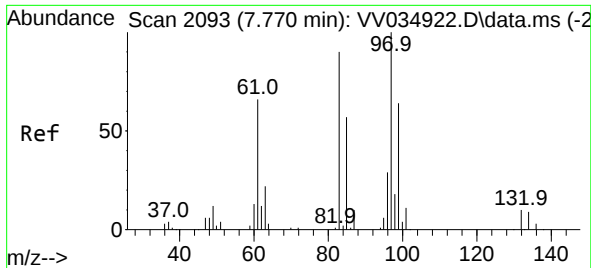
04/05/2024



#42
Toluene
Concen: 0.181 ug/L
RT: 7.330 min Scan# 1956
Delta R.T. 0.013 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

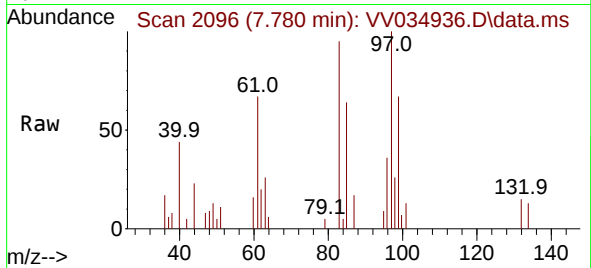
Tgt Ion: 91 Resp: 9844
Ion Ratio Lower Upper
91 100
92 56.8 38.9 72.2





#45
1,1,2-Trichloroethane
Concen: 0.545 ug/L
RT: 7.780 min Scan# 2093
Delta R.T. 0.010 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

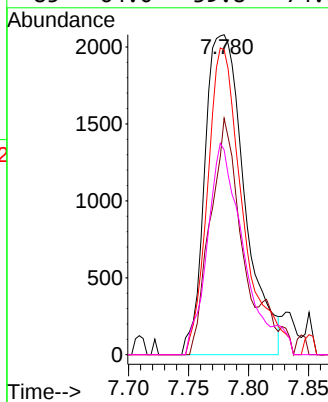
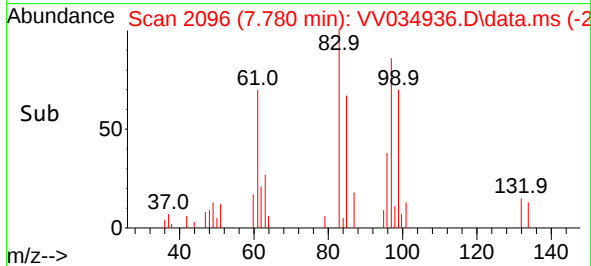
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20240327)



Tgt Ion	Ratio	Lower	Upper
97	100		
99	73.8	44.5	82.7
83	95.3	63.2	117.4
85	64.0	39.8	74.0

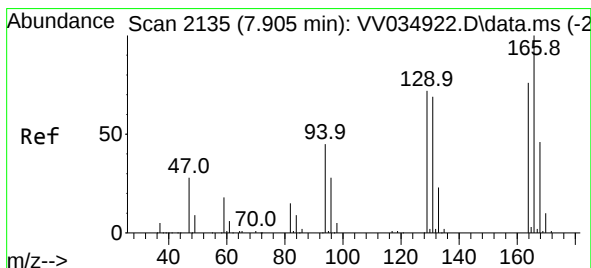
Manual Integrations
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Reviewed By :Mahesh
Dadoda



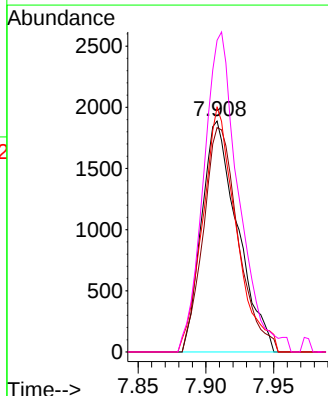
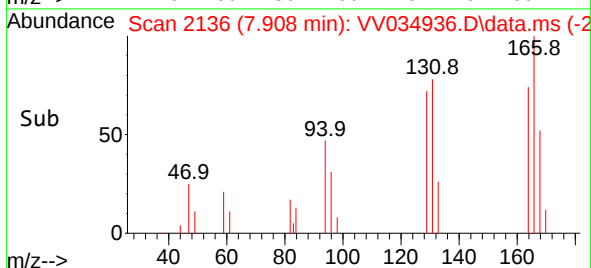
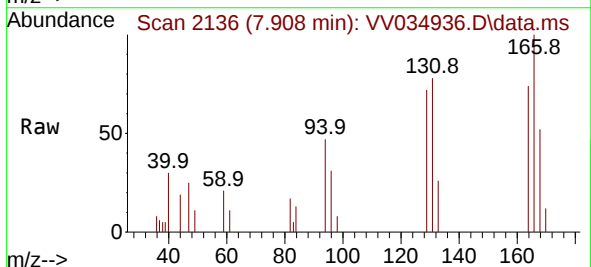
04/05/2024
Supervised By :Semsettin
Yesilyurt

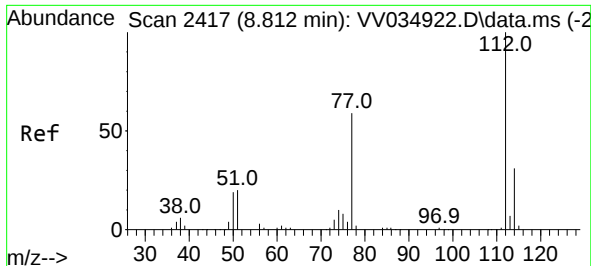
04/05/2024



#47
Tetrachloroethene
Concen: 0.344 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

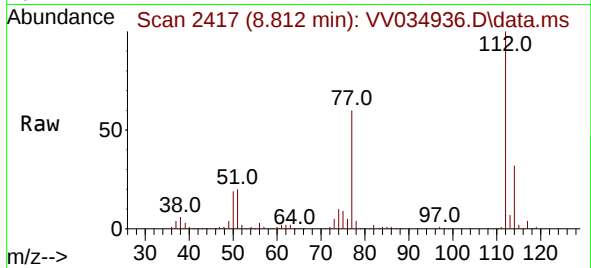
Tgt Ion	Ratio	Lower	Upper
164	100		
129	97.1	66.0	122.6
131	105.9	63.0	117.0
166	135.0	91.9	170.7





#51
Chlorobenzene
Concen: 8.093 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

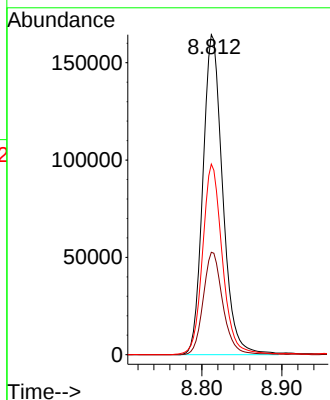
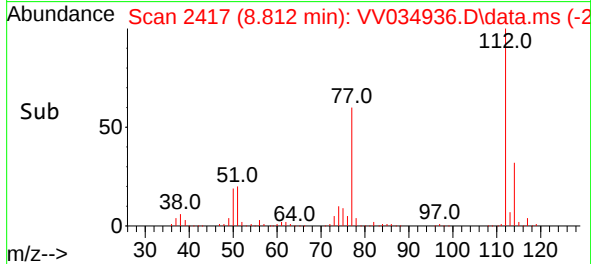
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20240327)



Tgt Ion:112 Resp: 283704
Ion Ratio Lower Upper
112 100
114 32.0 21.9 40.7
77 59.6 47.4 71.2

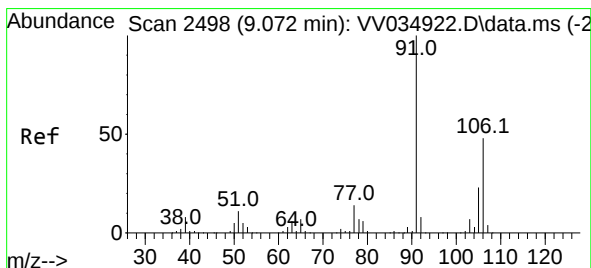
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



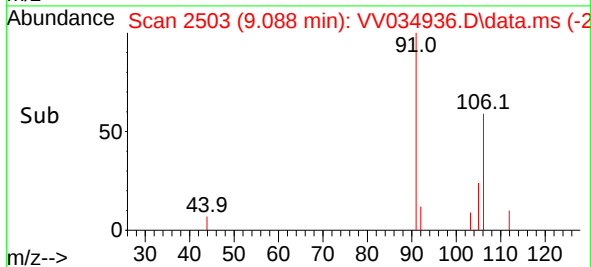
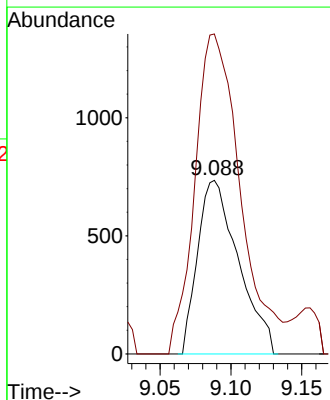
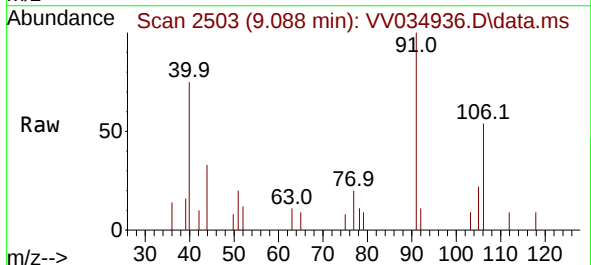
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Supervised By :Semsettin
Yesilyurt

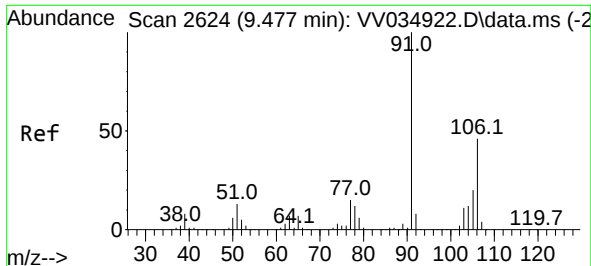
04/05/2024



#53
m,p-Xylene
Concen: 0.068 ug/L
RT: 9.088 min Scan# 2503
Delta R.T. 0.016 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

Tgt Ion:106 Resp: 1472
Ion Ratio Lower Upper
106 100
91 184.4 145.7 270.7





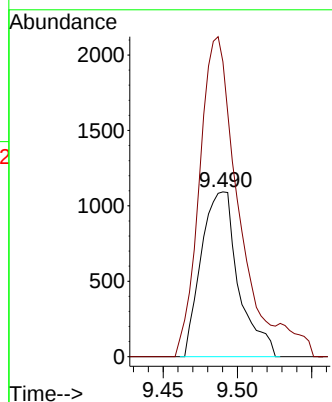
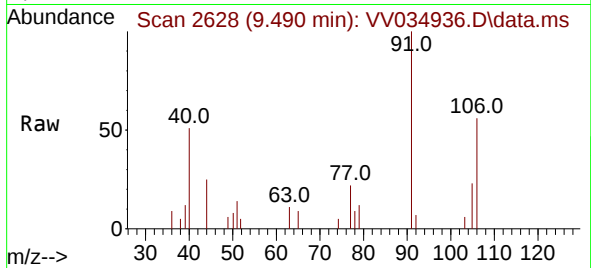
#54
o-Xylene
Concen: 0.090 ug/L
RT: 9.490 min Scan# 2104
Delta R.T. 0.013 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20240327)

Tgt Ion:106 Resp: 1904
Ion Ratio Lower Upper
106 100
91 178.9 151.2 280.8

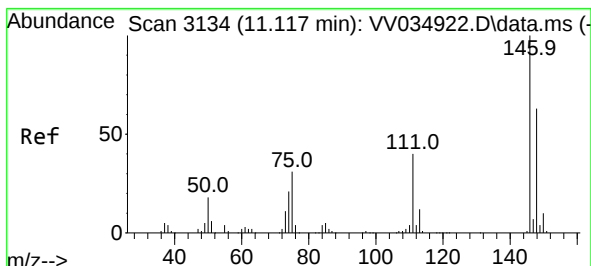
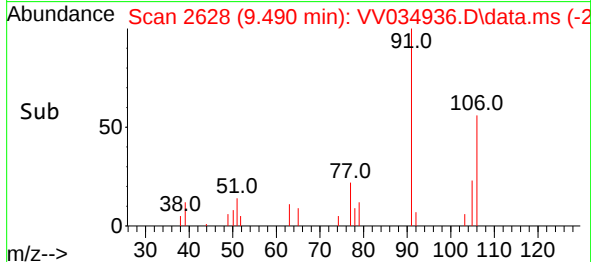
Manual Integrations
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Reviewed By :Mahesh
Dadoda



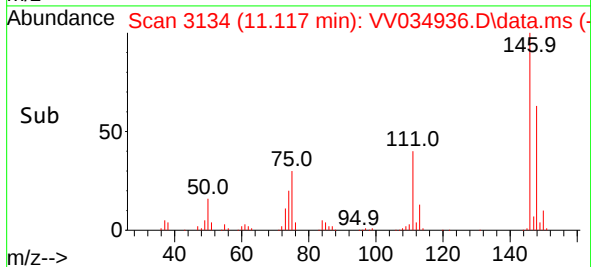
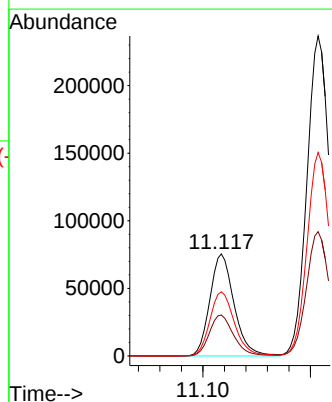
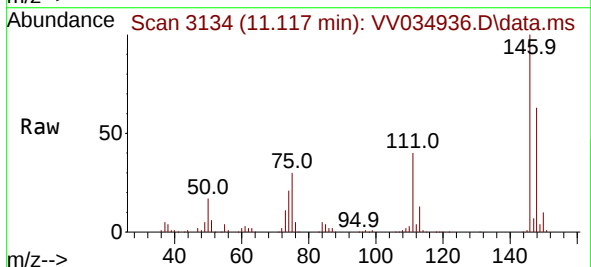
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Supervised By :Semsettin
Yesilyurt

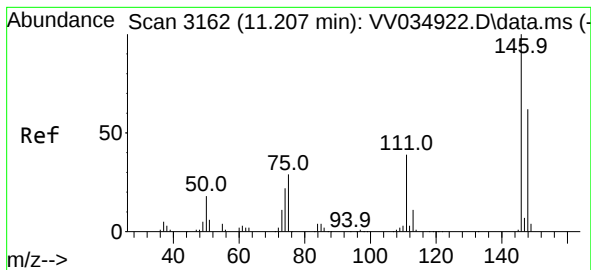
04/05/2024



#64
1,3-Dichlorobenzene
Concen: 4.321 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV034936.D
Acq: 02 Apr 2024 17:09

Tgt Ion:146 Resp: 117897
Ion Ratio Lower Upper
146 100
111 40.1 27.7 51.5
148 62.9 44.0 81.8





#65

1,4-Dichlorobenzene

Concen: 13.201 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034936.D

Acq: 02 Apr 2024 17:09

Instrument :

MSVOA_V

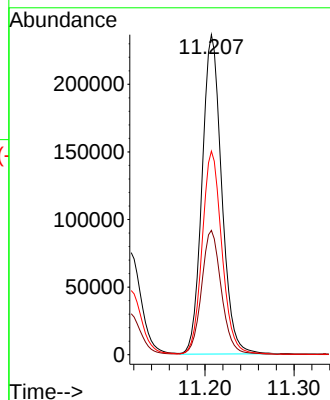
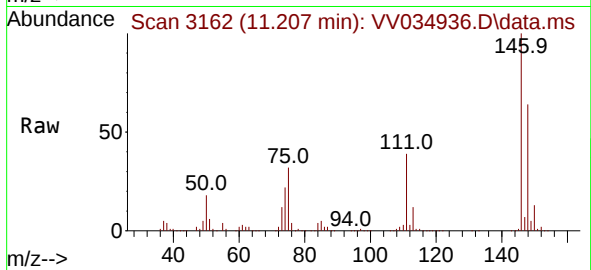
ClientSampleId :

PMW-2(20240327)

Tgt Ion:146	Resp:	360784
Ion Ratio	Lower	Upper
146	100	
111	38.8	27.3 50.7
148	63.6	43.5 80.7

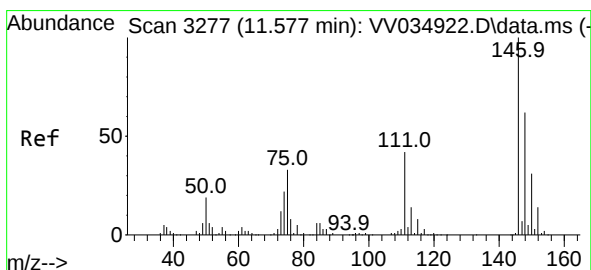
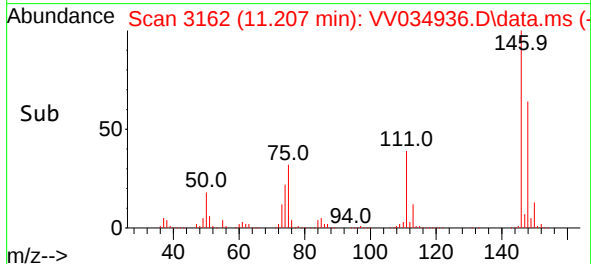
Manual Integrations
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Reviewed By :Mahesh
Dadoda



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Supervised By :Semsettin
Yesilyurt

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#67

1,2-Dichlorobenzene

Concen: 0.556 ug/L

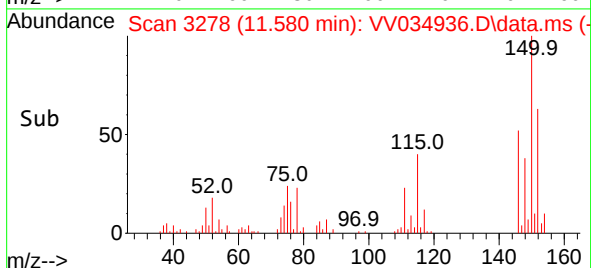
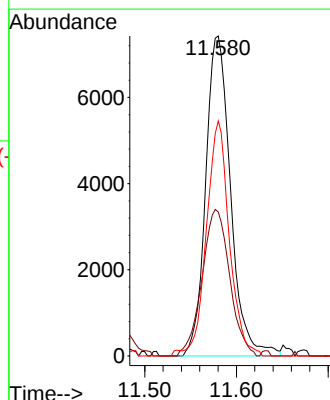
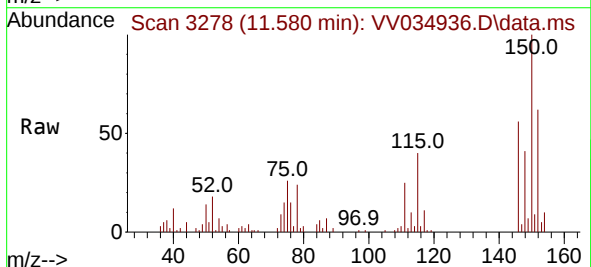
RT: 11.580 min Scan# 3278

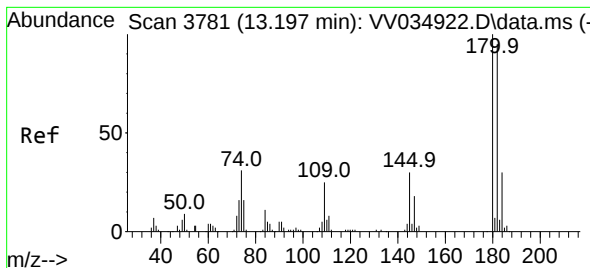
Delta R.T. 0.003 min

Lab File: VV034936.D

Acq: 02 Apr 2024 17:09

Tgt Ion:146	Resp:	14024
Ion Ratio	Lower	Upper
146	100	
111	45.0	33.9 50.9
148	73.4	49.3 73.9





#70

1,2,4-trichlorobenzene

Concen: 3.984 ug/L

RT: 13.197 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV034936.D

Acq: 02 Apr 2024 17:09

Instrument :

MSVOA_V

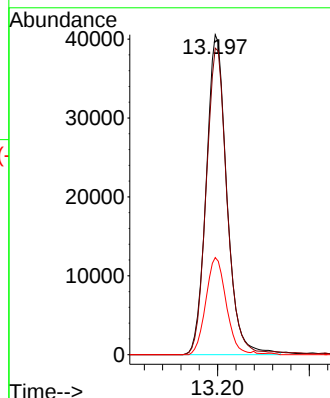
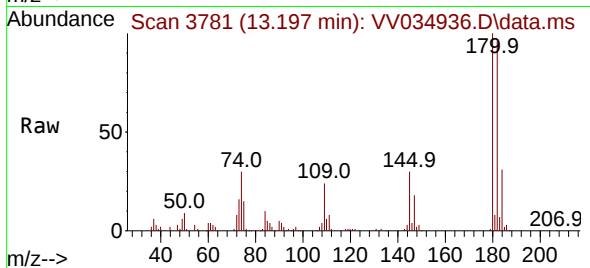
ClientSampleId :

PMW-2(20240327)

Tgt Ion:	180	Resp:	63408
Ion Ratio	Lower	Upper	
180	100		
182	96.3	75.3	112.9
145	30.1	23.4	35.0

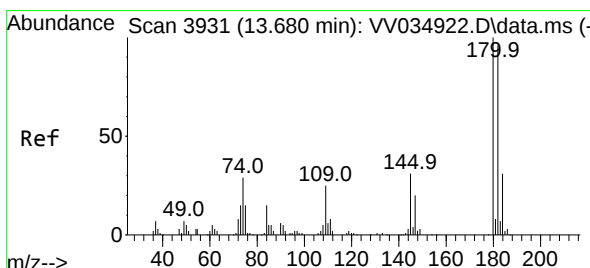
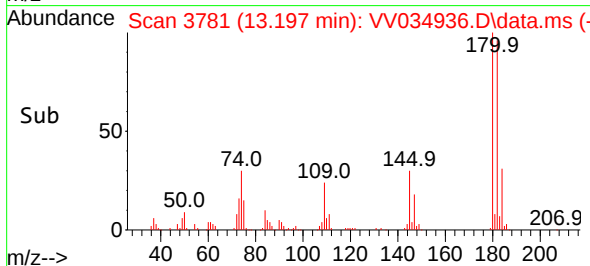
Manual Integrations
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Reviewed By :Mahesh
Dadoda



04/05/2024
Supervised By :Semsettin
Yesilyurt

04/05/2024



#72

1,2,3-Trichlorobenzene

Concen: 0.178 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

Lab File: VV034936.D

Acq: 02 Apr 2024 17:09

Tgt Ion:	180	Resp:	2490
Ion Ratio	Lower	Upper	
180	100		
182	96.4	77.0	115.4
145	35.5	25.4	38.2

