

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102224\
 Data File : VW030700.D
 Acq On : 22 Oct 2024 13:55
 Operator : SY/MD
 Sample : P4476-05
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 XA104

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 10/23/2024
 Supervised By :Mahesh Dadoda 10/23/2024

Quant Time: Oct 23 01:37:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 23 01:34:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	296210	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	272048	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	135782	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	64100	13.767	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.080%
7) Chloroethane-d5	2.899	69	59936	17.006	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.040%
11) 1,1-Dichloroethene-d2	4.021	65	29161	15.058	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.240%
21) 2-Butanone-d5	7.075	46	39891	47.608	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.220%
24) Chloroform-d	7.648	84	181188	21.389	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.560%
26) 1,2-Dichloroethane-d4	8.307	65	83779	19.019	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.080%
32) Benzene-d6	8.276	84	271527	17.197	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	68.800%
36) 1,2-Dichloropropane-d6	9.270	67	86290	18.619	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	74.480%
41) Toluene-d8	10.325	98	260405	18.066	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	72.280%
43) trans-1,3-Dichloroprop...	10.575	79	36223	18.666	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.680%
47) 2-Hexanone-d5	10.922	63	30485	51.071	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.140%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	78564	23.083	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.320%
66) 1,2-Dichlorobenzene-d4	13.849	152	86764	18.885	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	75.560%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.039	96	164200m	41.317	ug/L	
13) Acetone	4.119	43	70829	57.739	ug/L	99
16) Methylene chloride	4.911	84	348608	77.848	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	128935	30.067	ug/L	97
18) Methyl tert-butyl Ether	5.423	73	272515	45.406	ug/L	99
19) 1,1-Dichloroethane	6.216	63	695569	87.272	ug/L	99
22) 2-Butanone	7.167	43	258036	195.142	ug/L	97
25) Chloroform	7.679	83	752184	88.313	ug/L	97
31) Carbon tetrachloride	8.069	117	100869	15.638	ug/L	98
33) Benzene	8.319	78	1136992	64.224	ug/L	100
34) Trichloroethene	9.087	95	453934	92.164	ug/L	95
37) 1,2-Dichloropropane	9.368	63	163849	37.057	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	421843	63.251	ug/L	94
40) 4-Methyl-2-pentanone	10.209	43	345391	162.601	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	409948	73.147	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	158005	49.445	ug/L	98
50) 1,2-Dibromoethane	11.233	107	136452	45.761	ug/L	93
53) m,p-Xylene	11.831	106	386269	47.841	ug/L	94
54) o-Xylene	12.160	106	476242	63.801	ug/L	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.708	83	181648	50.407	ug/L	97
59) Bromoform	12.349	173	35552	18.636	ug/L	97
61) 1,2,3-Trichloropropane	12.763	75	201824	76.385	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	353091	38.577	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	351543	37.197	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	13168	22.351	ug/L	90
70) 1,2,4-trichlorobenzene	15.129	180	106456	21.910	ug/L	98

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

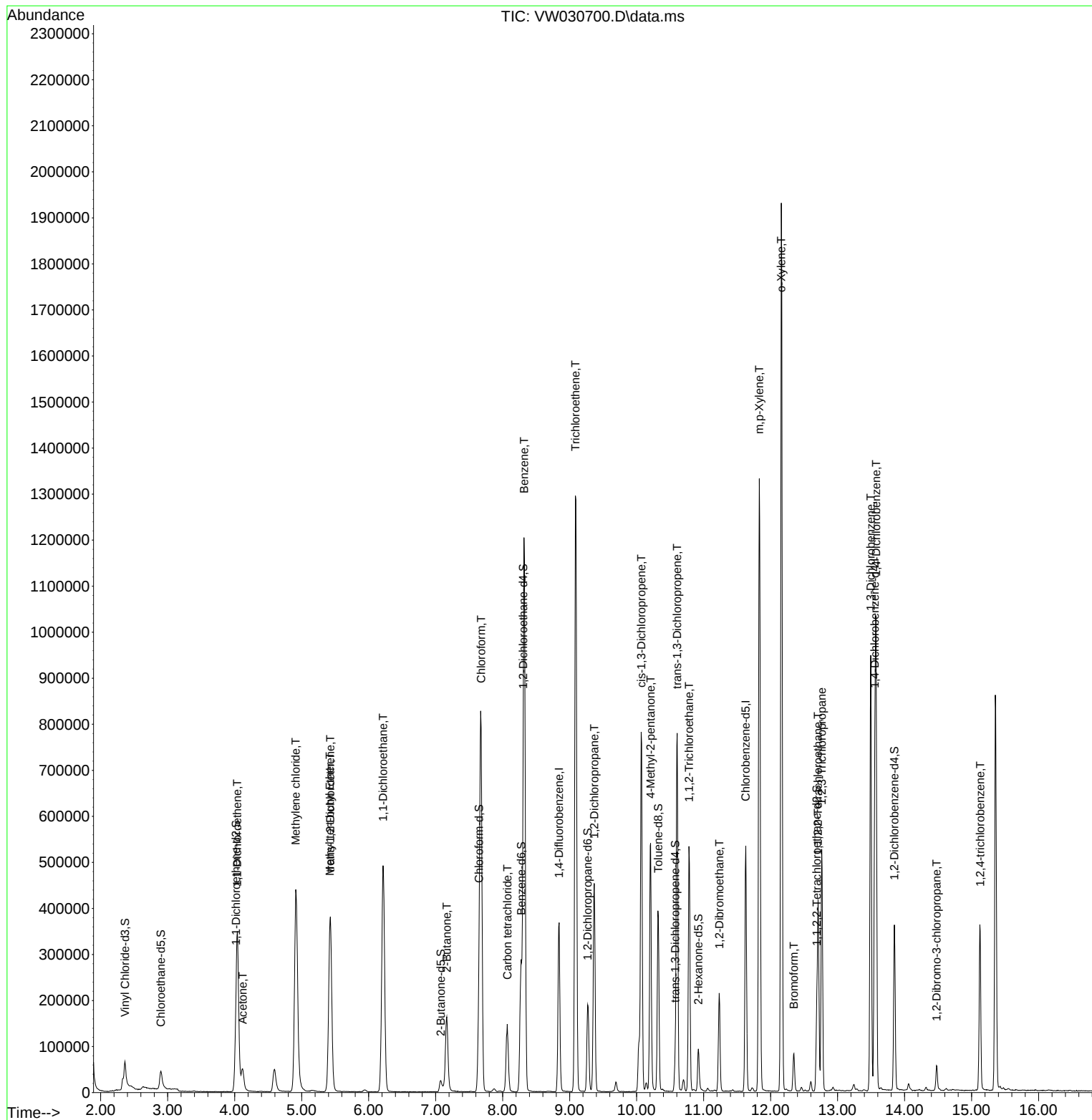
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Data File : VW030700.D
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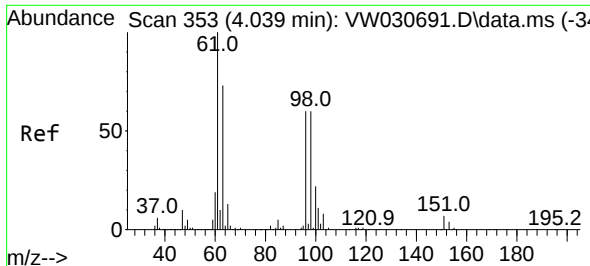
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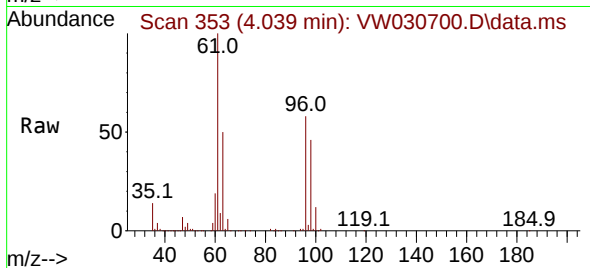
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Oct 23 01:34:41 2024
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#12
1,1-Dichloroethene
Concen: 41.317 ug/L m
RT: 4.039 min Scan# 353
Delta R.T. 0.000 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

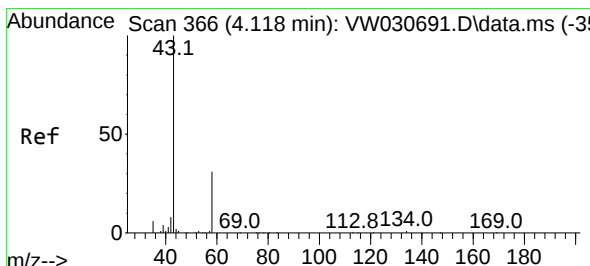
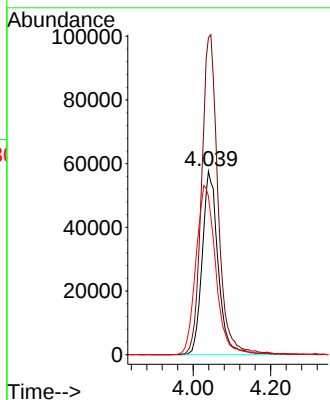
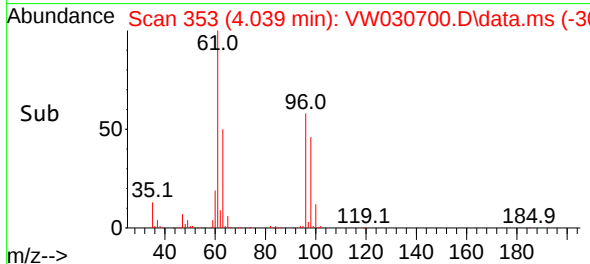
Instrument :
MSVOA_W
ClientSampleId :
XA104



Tgt Ion: 96 Resp: 164200
Ion Ratio Lower Upper
96 100
61 172.7 121.3 225.3
63 86.2 87.6 162.8

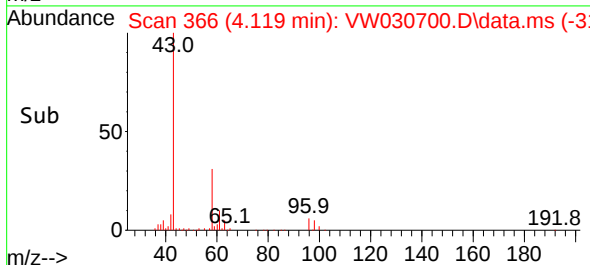
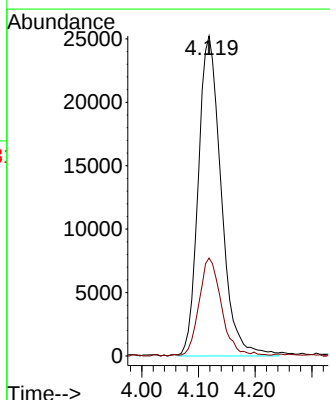
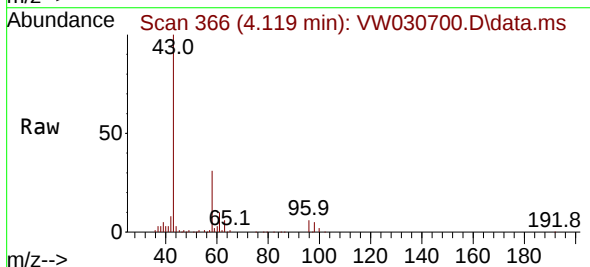
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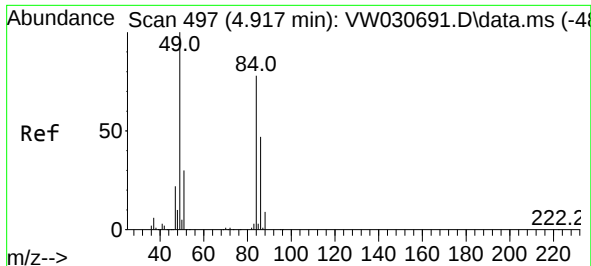
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#13
Acetone
Concen: 57.739 ug/L
RT: 4.119 min Scan# 366
Delta R.T. 0.000 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

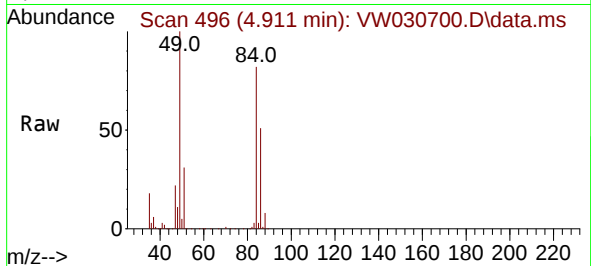
Tgt Ion: 43 Resp: 70829
Ion Ratio Lower Upper
43 100
58 29.6 0.0 57.6





#16
Methylene chloride
Concen: 77.848 ug/L
RT: 4.911 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

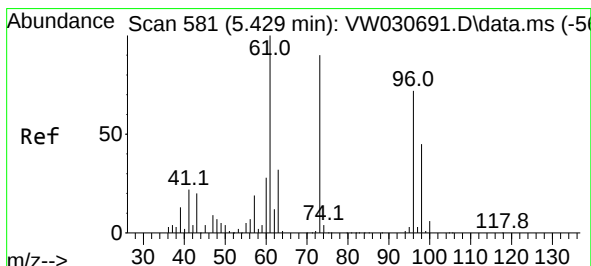
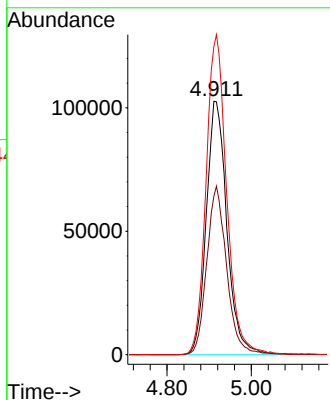
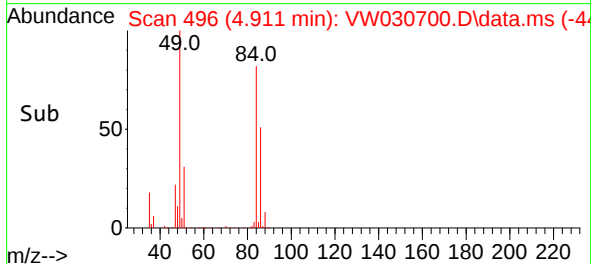
Instrument :
MSVOA_W
ClientSampleId :
XA104



Tgt Ion: 84 Resp: 348608
Ion Ratio Lower Upper
84 100
86 62.5 43.8 81.3
49 121.6 88.3 164.1

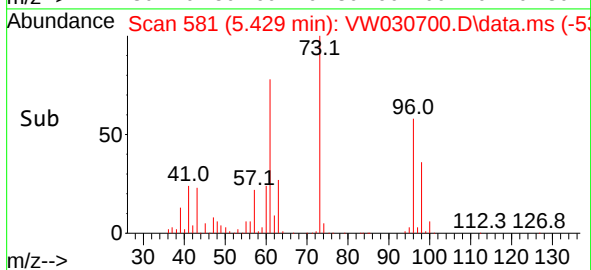
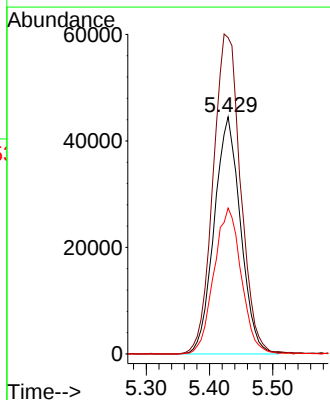
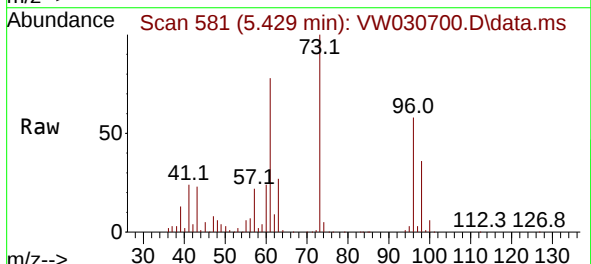
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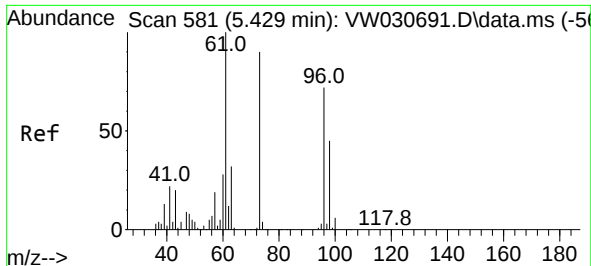
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#17
trans-1,2-Dichloroethene
Concen: 30.067 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

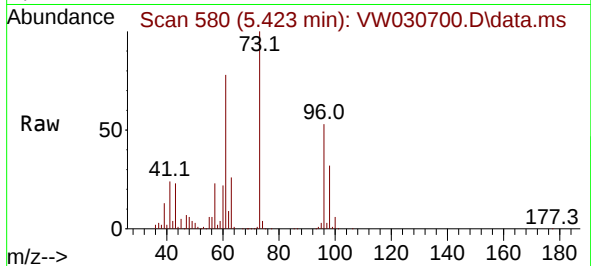
Tgt Ion: 96 Resp: 128935
Ion Ratio Lower Upper
96 100
61 133.4 96.9 179.9
98 61.6 42.2 78.4





#18
Methyl tert-butyl Ether
Concen: 45.406 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

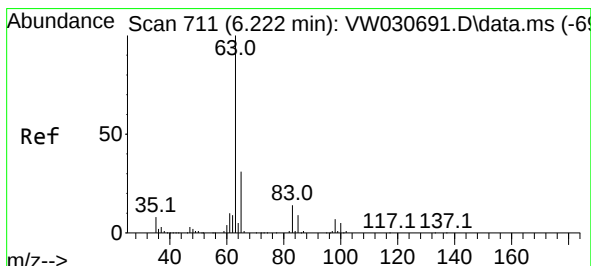
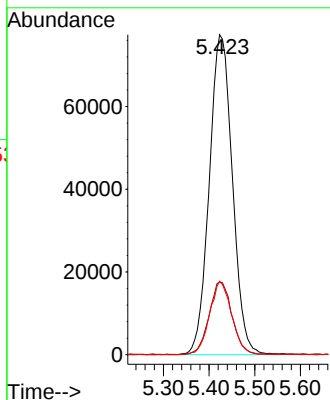
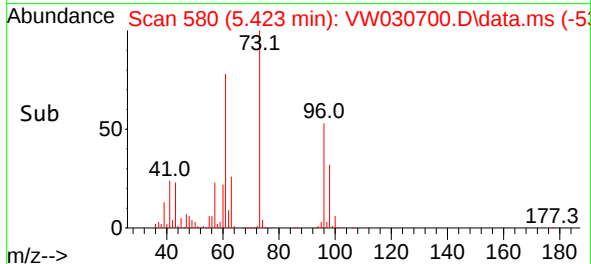
Instrument :
MSVOA_W
ClientSampleId :
XA104



Tgt Ion: 73 Resp: 27251
Ion Ratio Lower Upper
73 100
43 22.6 18.1 27.1
57 21.6 17.7 26.5

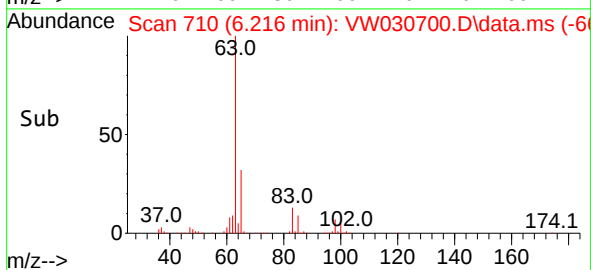
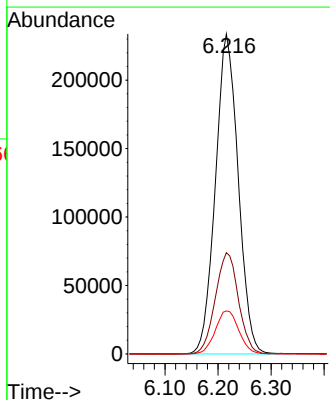
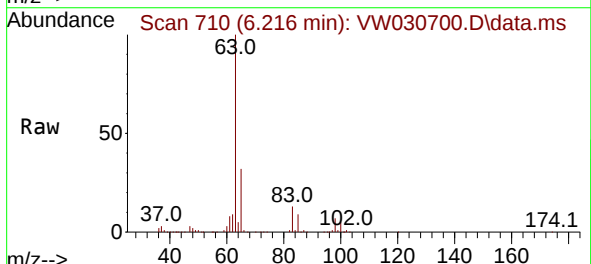
Manual Integrations
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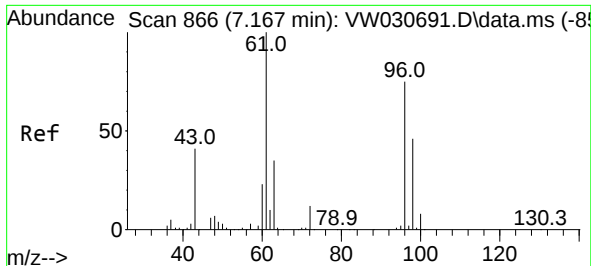
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#19
1,1-Dichloroethane
Concen: 87.272 ug/L
RT: 6.216 min Scan# 710
Delta R.T. -0.006 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

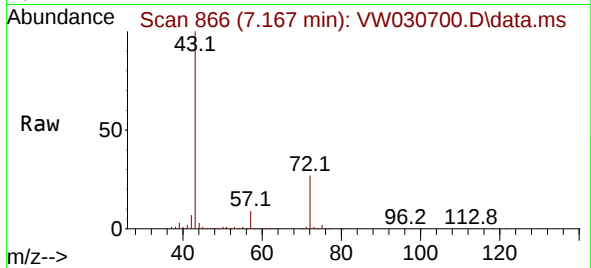
Tgt Ion: 63 Resp: 695569
Ion Ratio Lower Upper
63 100
65 31.7 22.5 41.9
83 13.4 9.8 18.2





#22
2-Butanone
Concen: 195.142 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

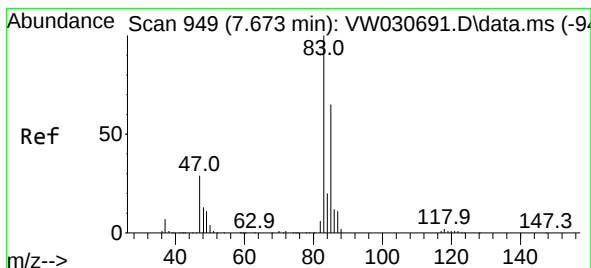
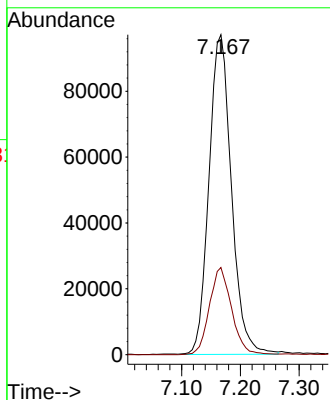
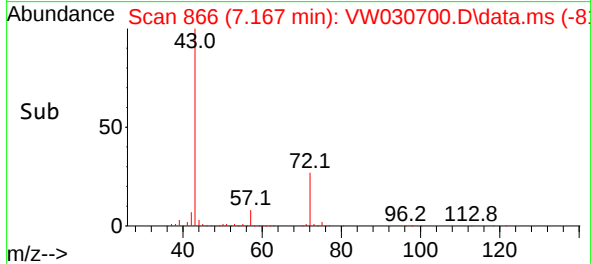
Instrument :
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ClientSampleId :
XA104



Tgt Ion: 43 Resp: 258036
Ion Ratio Lower Upper
43 100
72 26.9 14.4 43.0

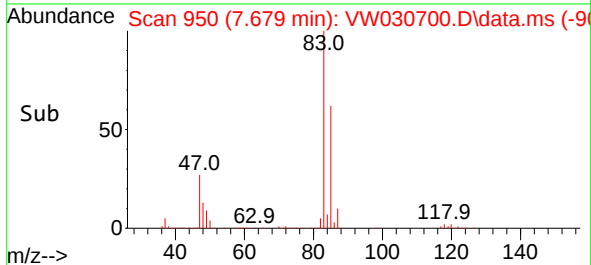
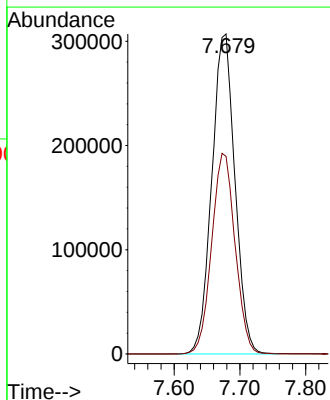
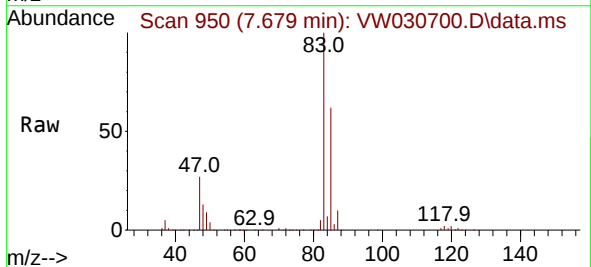
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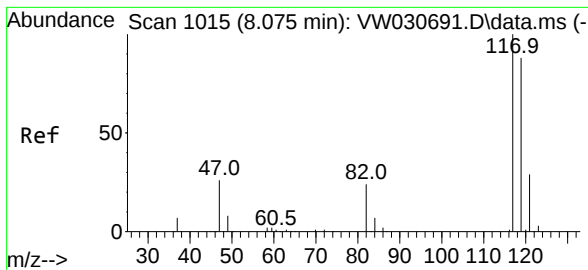
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#25
Chloroform
Concen: 88.313 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

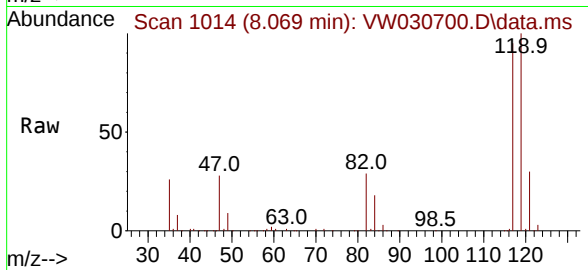
Tgt Ion: 83 Resp: 752184
Ion Ratio Lower Upper
83 100
85 61.7 45.1 83.7





#31
Carbon tetrachloride
Concen: 15.638 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.006 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

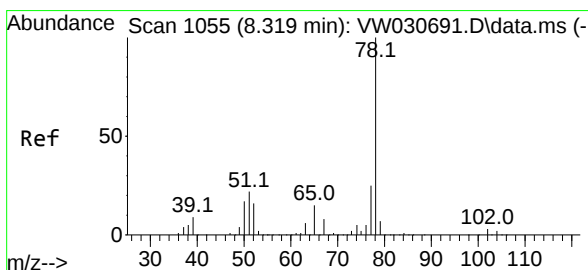
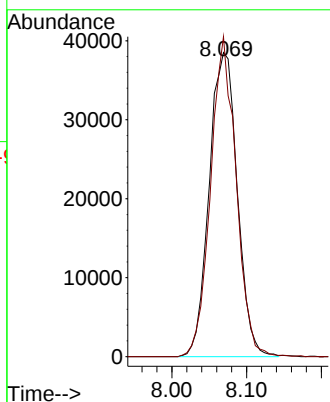
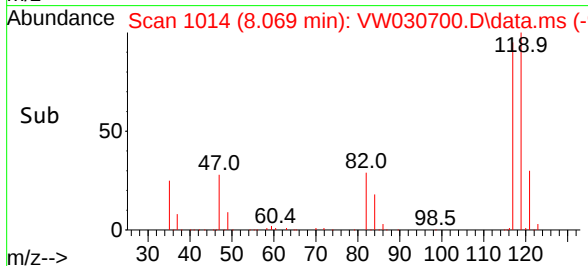
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Tgt Ion:117 Resp: 100869
Ion Ratio Lower Upper
117 100
119 95.4 77.8 116.8

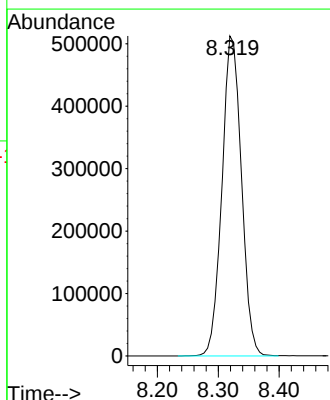
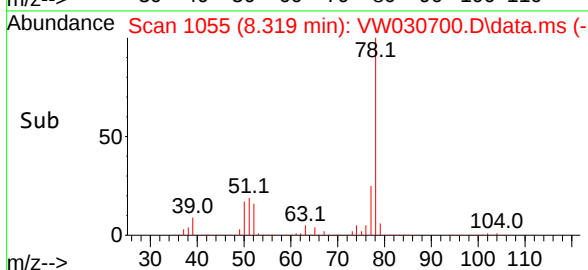
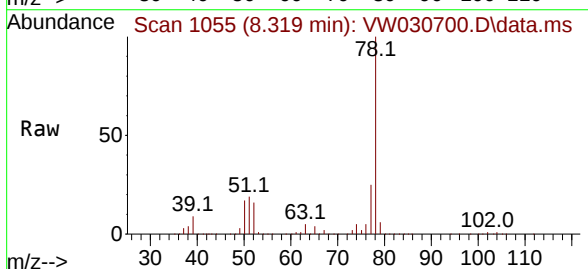
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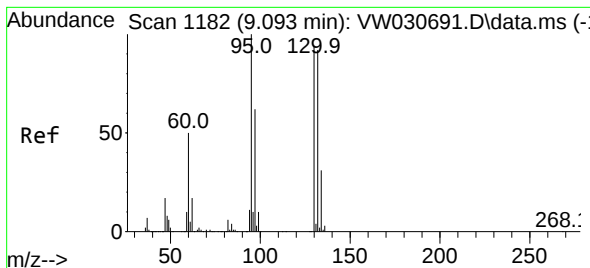
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#33
Benzene
Concen: 64.224 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

Tgt Ion: 78 Resp: 1136992





#34

Trichloroethene

Concen: 92.164 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

Lab File: VW030700.D

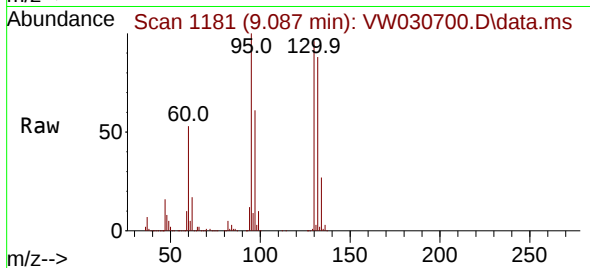
Acq: 22 Oct 2024 13:55

Instrument :

MSVOA_W

ClientSampleId :

XA104



Tgt Ion: 95 Resp: 453934

Ion Ratio Lower Upper

95 100

97 61.5 45.9 85.3

132 88.2 66.4 123.2

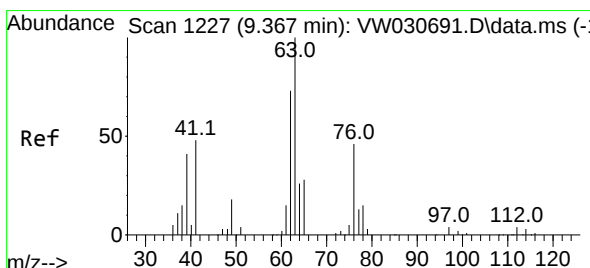
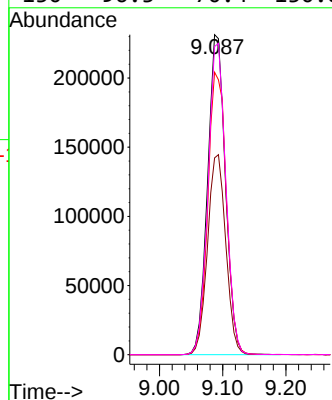
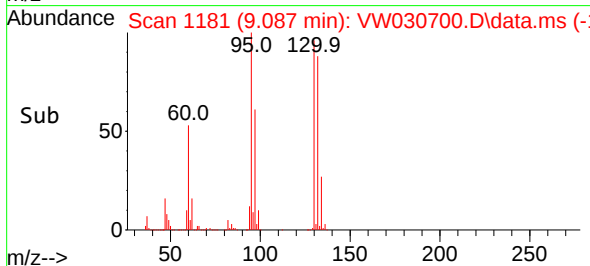
130 96.3 70.4 130.8

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 10/23/2024



#37

1,2-Dichloropropane

Concen: 37.057 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW030700.D

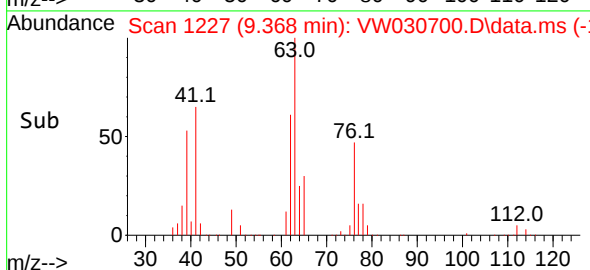
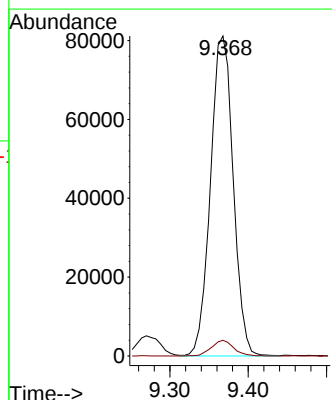
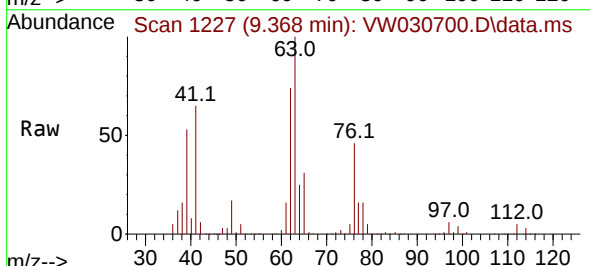
Acq: 22 Oct 2024 13:55

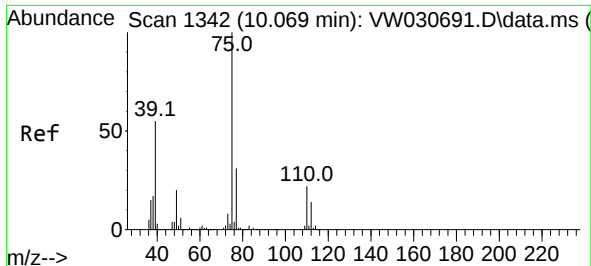
Tgt Ion: 63 Resp: 163849

Ion Ratio Lower Upper

63 100

112 4.8 3.7 5.5





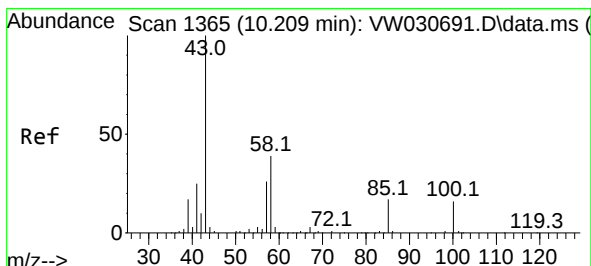
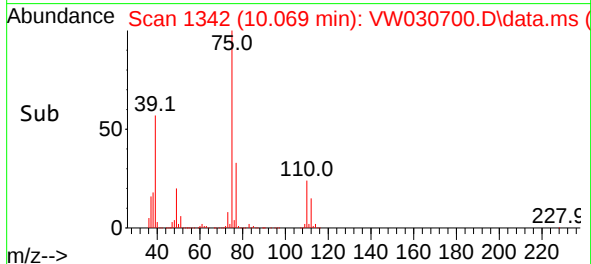
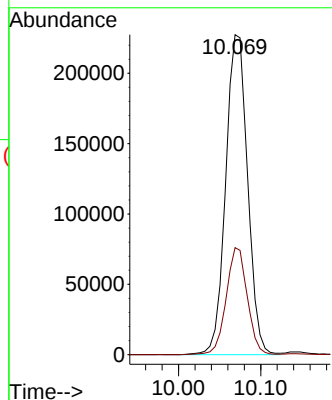
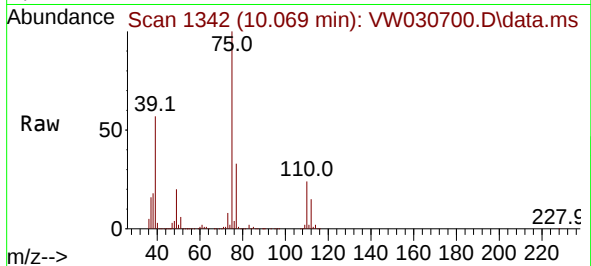
#39
cis-1,3-Dichloropropene
Concen: 63.251 ug/L
RT: 10.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

Instrument :
MSVOA_W
ClientSampleId :
XA104

Tgt Ion: 75 Resp: 42184
Ion Ratio Lower Upper
75 100
77 33.4 21.1 39.1

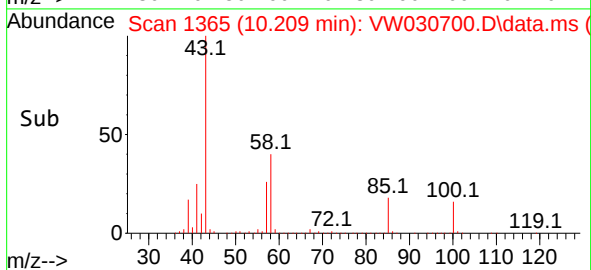
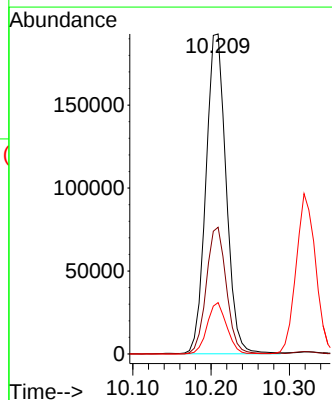
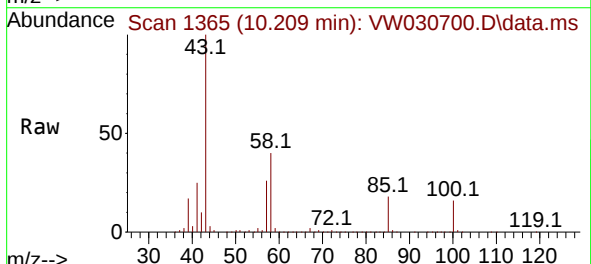
Manual Integrations
APPROVED

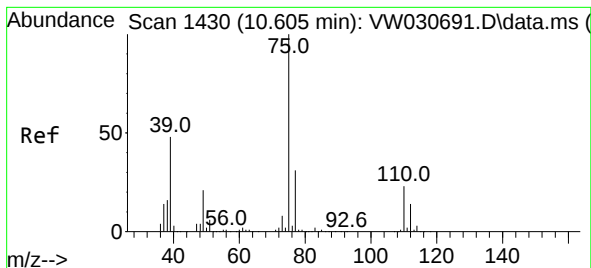
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#40
4-Methyl-2-pentanone
Concen: 162.601 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. 0.000 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

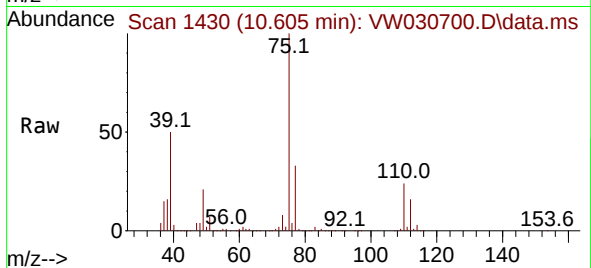
Tgt Ion: 43 Resp: 345391
Ion Ratio Lower Upper
43 100
58 39.5 31.4 47.2
100 15.6 13.1 19.7





#44
trans-1,3-Dichloropropene
Concen: 73.147 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

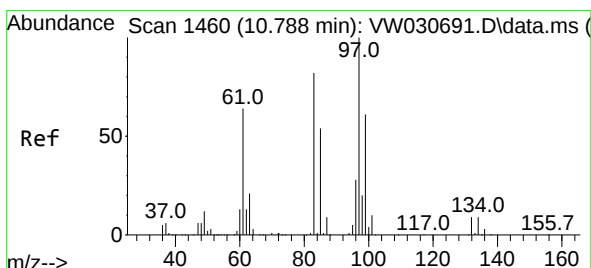
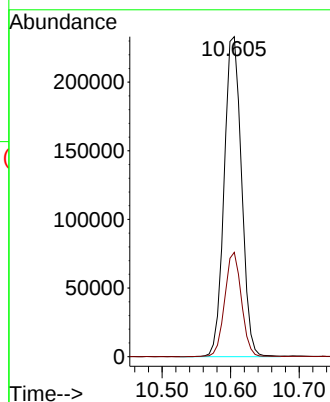
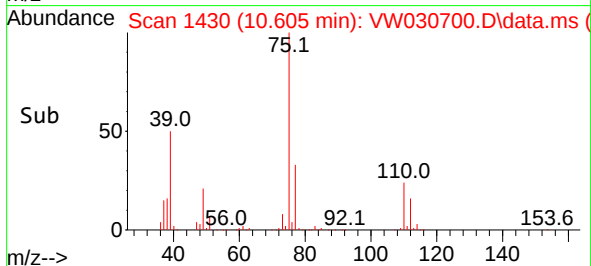
Instrument :
MSVOA_W
ClientSampleId :
XA104



Tgt Ion: 75 Resp: 409948
Ion Ratio Lower Upper
75 100
77 32.6 21.6 40.2

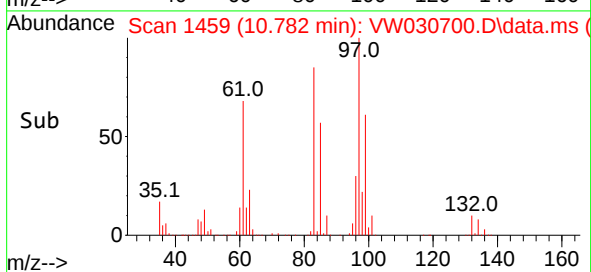
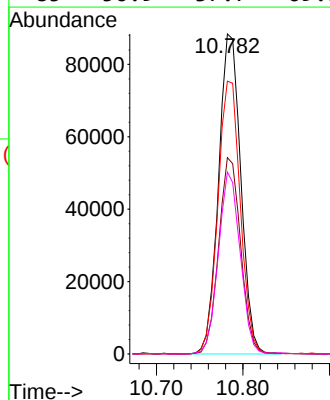
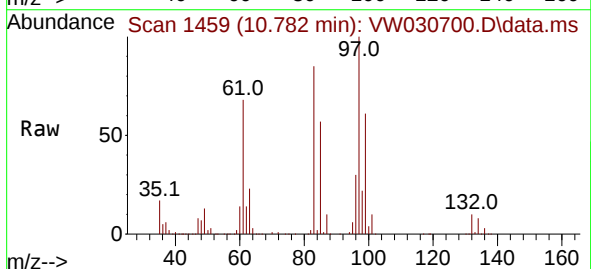
Manual Integrations
APPROVED

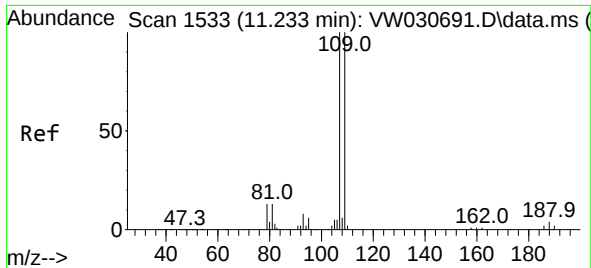
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#45
1,1,2-Trichloroethane
Concen: 49.445 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

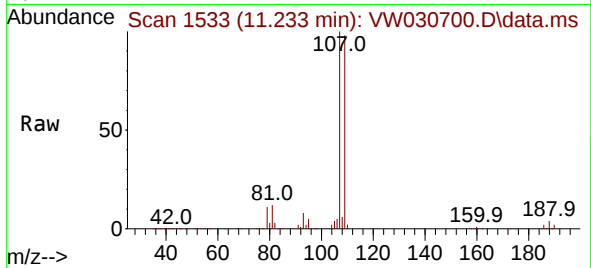
Tgt Ion: 97 Resp: 158005
Ion Ratio Lower Upper
97 100
99 61.3 41.2 76.6
83 85.3 59.6 110.6
85 56.9 37.7 69.9





#50
1,2-Dibromoethane
Concen: 45.761 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

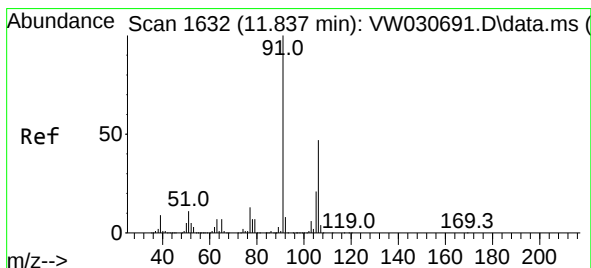
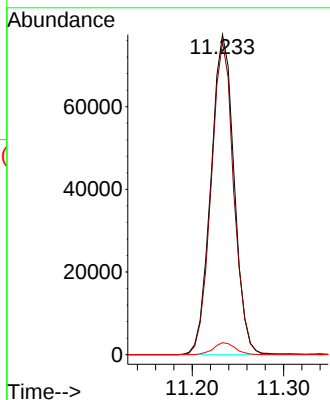
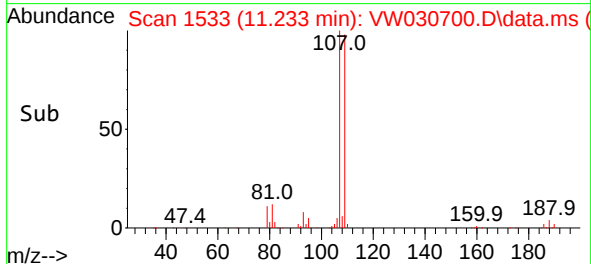
Instrument :
MSVOA_W
ClientSampleId :
XA104



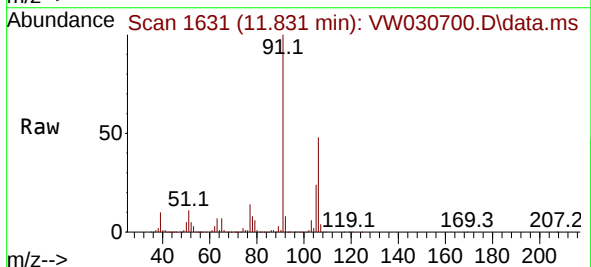
Tgt Ion:107 Resp: 136452
Ion Ratio Lower Upper
107 100
109 97.8 63.8 118.6
188 3.8 2.6 3.8

Manual Integrations
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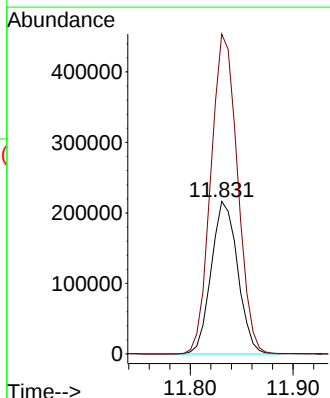
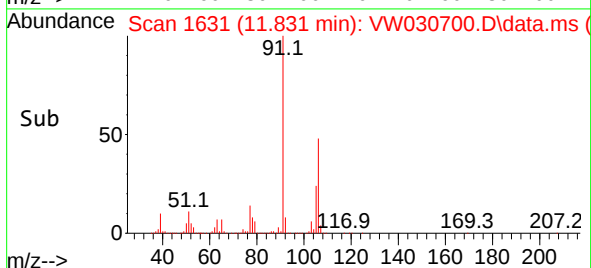
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

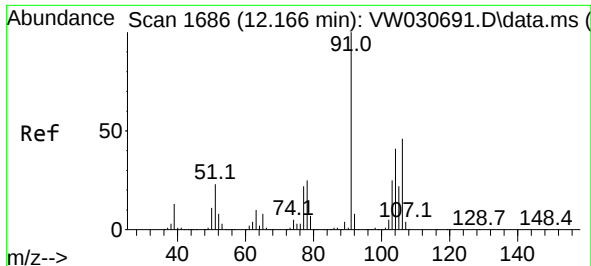


#53
m,p-Xylene
Concen: 47.841 ug/L
RT: 11.831 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55



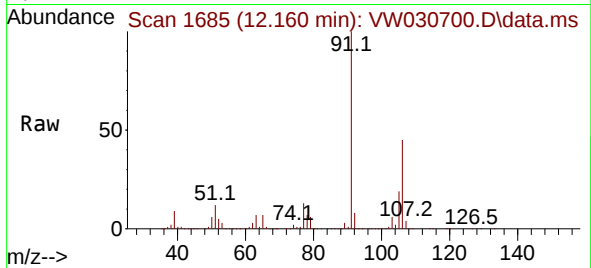
Tgt Ion:106 Resp: 386269
Ion Ratio Lower Upper
106 100
91 209.8 140.6 261.2





#54
o-Xylene
Concen: 63.801 ug/L
RT: 12.160 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

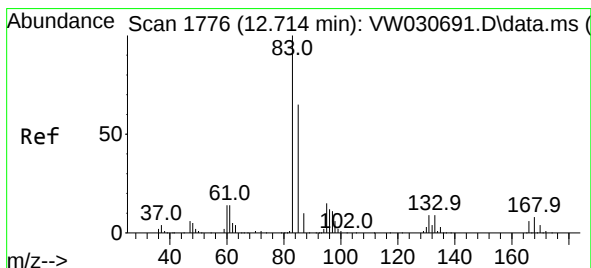
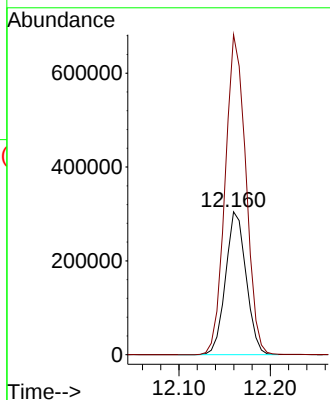
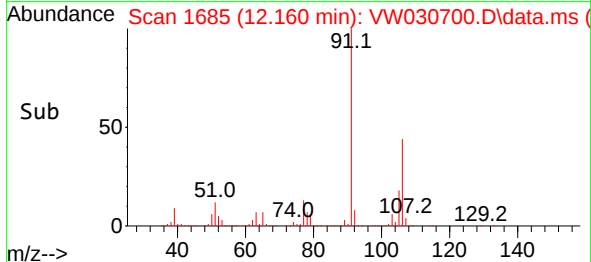
Instrument :
MSVOA_W
ClientSampleId :
XA104



Tgt Ion:106 Resp: 47624
Ion Ratio Lower Upper
106 100
91 224.0 144.5 268.4

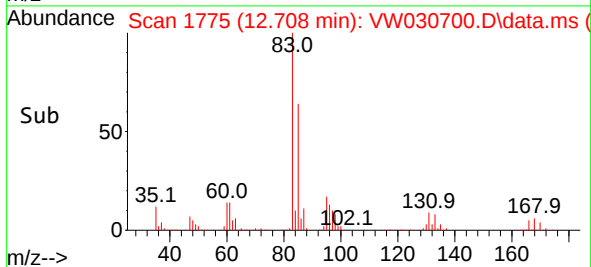
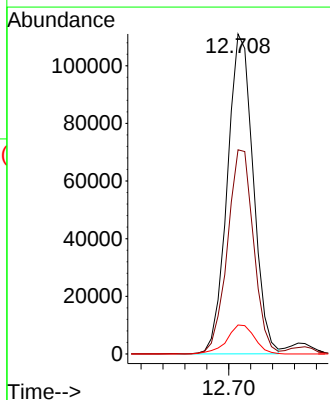
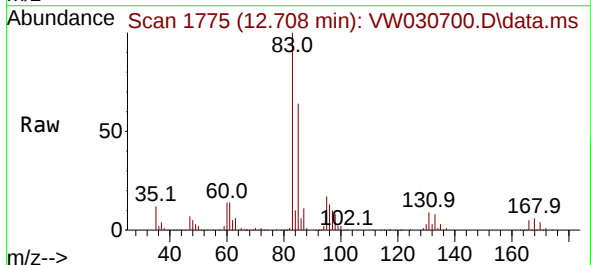
Manual Integrations
APPROVED

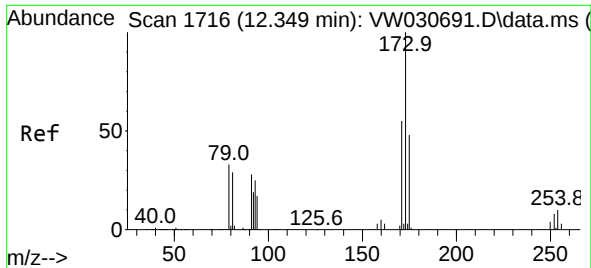
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 50.407 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

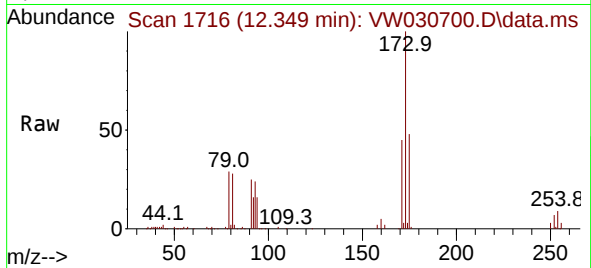
Tgt Ion: 83 Resp: 181648
Ion Ratio Lower Upper
83 100
85 63.8 42.6 79.2
131 9.1 7.4 11.0





#59
Bromoform
Concen: 18.636 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

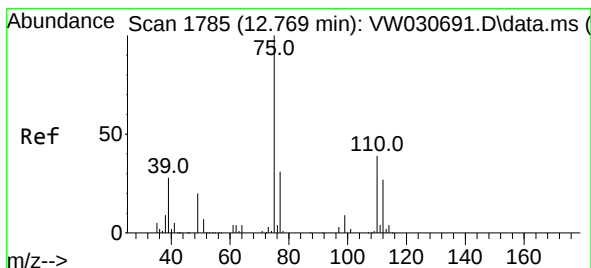
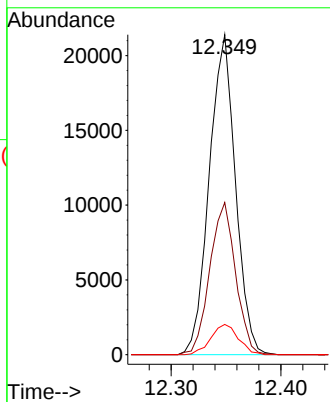
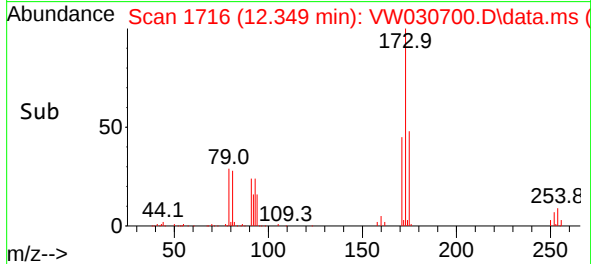
Instrument :
MSVOA_W
ClientSampleId :
XA104



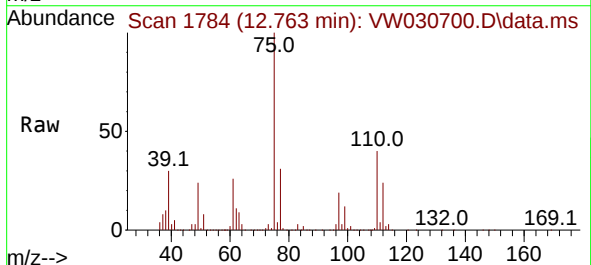
Tgt Ion:173 Resp: 3555
Ion Ratio Lower Upper
173 100
175 46.8 39.0 58.4
254 9.9 7.7 11.5

Manual Integrations
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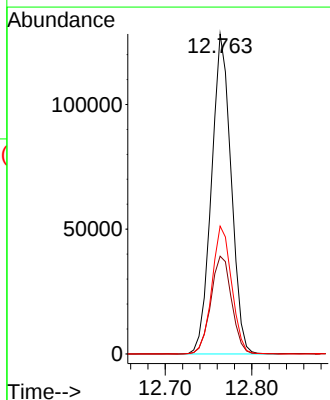
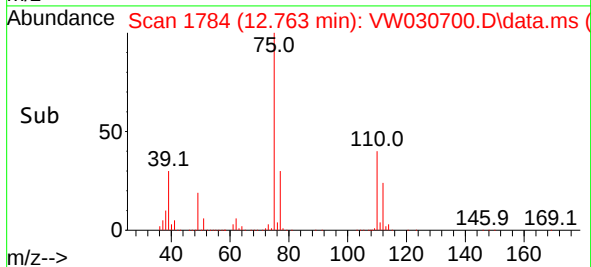
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

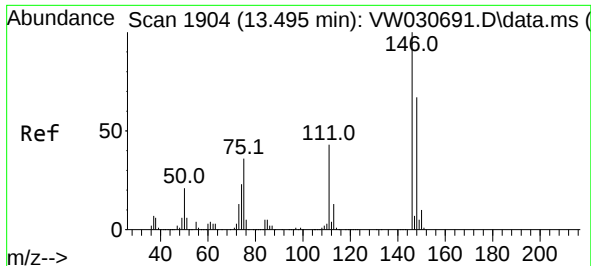


#61
1,2,3-Trichloropropane
Concen: 76.385 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55



Tgt Ion: 75 Resp: 201824
Ion Ratio Lower Upper
75 100
77 32.4 25.7 38.5
110 40.2 32.3 48.5





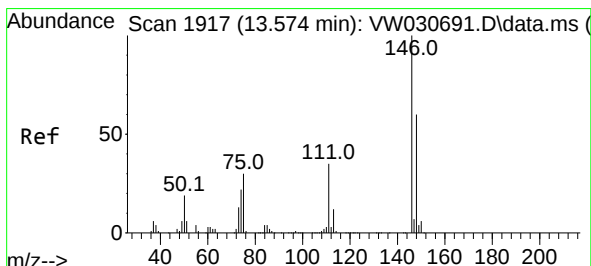
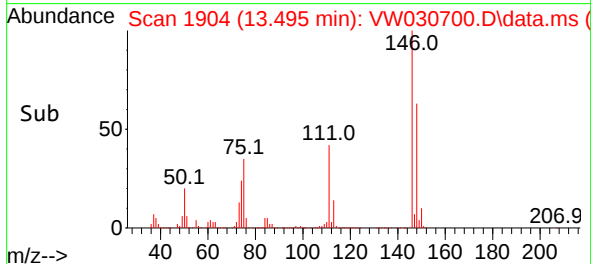
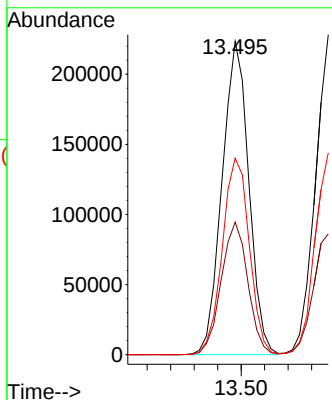
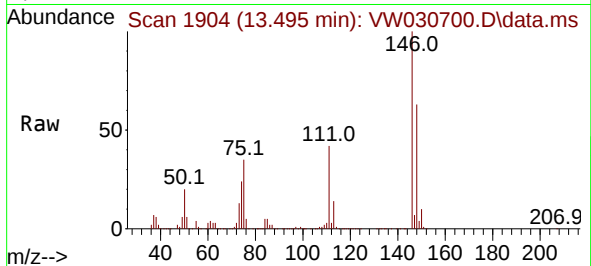
#64
1,3-Dichlorobenzene
Concen: 38.577 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

Instrument :
MSVOA_W
ClientSampleId :
XA104

Tgt Ion:146 Resp: 35309
Ion Ratio Lower Upper
146 100
111 42.3 31.2 58.0
148 62.7 45.7 84.9

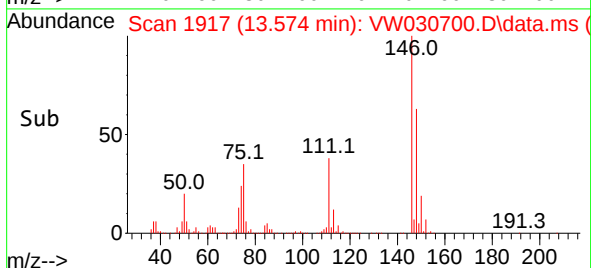
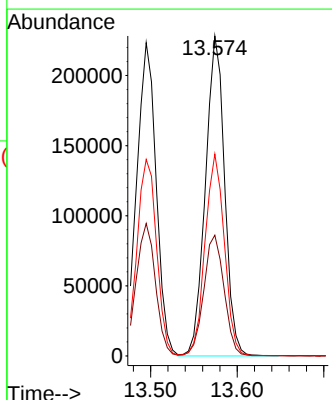
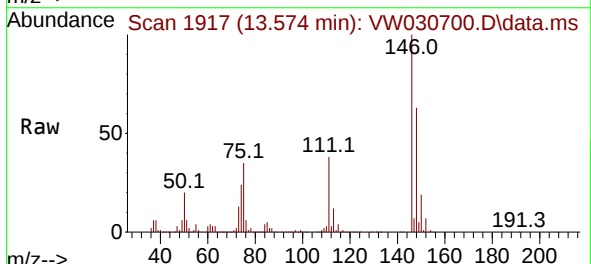
Manual Integrations
APPROVED

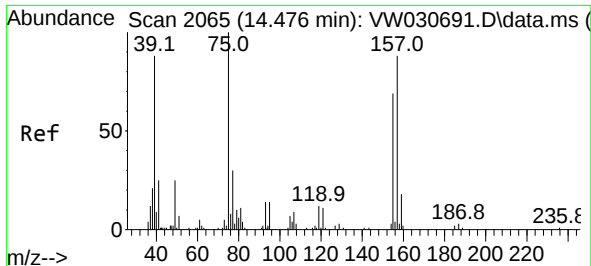
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#65
1,4-Dichlorobenzene
Concen: 37.197 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

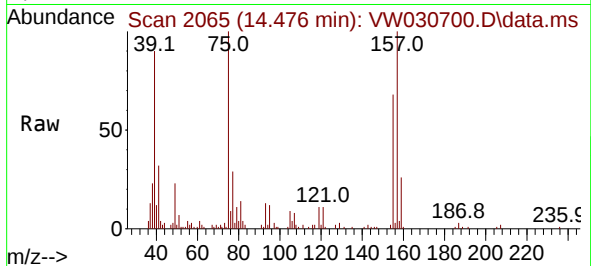
Tgt Ion:146 Resp: 351543
Ion Ratio Lower Upper
146 100
111 37.7 26.8 49.8
148 63.1 41.0 76.2





#68
1,2-Dibromo-3-chloropropane
Concen: 22.351 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55

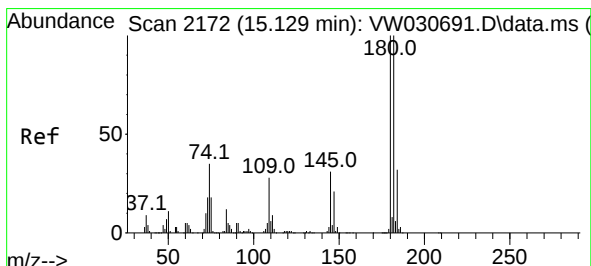
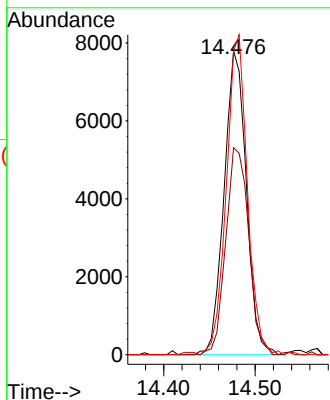
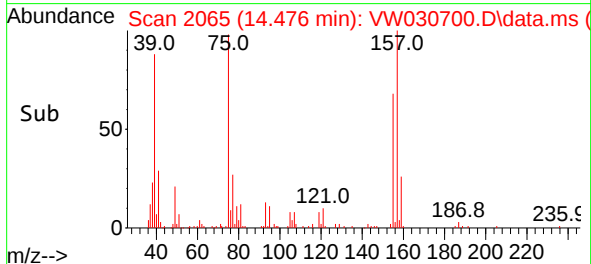
Instrument :
MSVOA_W
ClientSampleId :
XA104



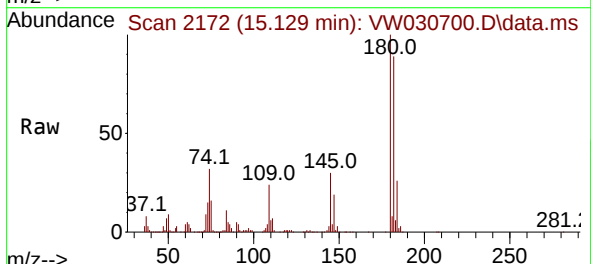
Tgt Ion: 75 Resp: 1316
Ion Ratio Lower Upper
75 100
155 68.0 57.9 86.9
157 99.7 69.0 103.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#70
1,2,4-trichlorobenzene
Concen: 21.910 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.000 min
Lab File: VW030700.D
Acq: 22 Oct 2024 13:55



Tgt Ion:180 Resp: 106456
Ion Ratio Lower Upper
180 100
182 91.4 75.2 112.8
145 31.1 25.4 38.2

