

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102224\
 Data File : VW030702.D
 Acq On : 22 Oct 2024 14:43
 Operator : SY/MD
 Sample : P4476-05DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 XA104DL

Manual Integrations
 APPROVED

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

Quant Time: Oct 23 01:38:15 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	282849	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	260286	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	129099	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	62126	13.974	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	55.880%		
7) Chloroethane-d5	2.899	69	57487	17.082	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	68.320%		
11) 1,1-Dichloroethene-d2	4.021	65	29019	15.693	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	62.760%		
21) 2-Butanone-d5	7.075	46	36421	45.520	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	91.040%		
24) Chloroform-d	7.648	84	166487	20.582	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	82.320%		
26) 1,2-Dichloroethane-d4	8.307	65	82655m	19.651	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	78.600%		
32) Benzene-d6	8.276	84	268827	17.795	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	71.160%		
36) 1,2-Dichloropropane-d6	9.270	67	87798	19.801	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	79.200%		
41) Toluene-d8	10.318	98	260678	18.902	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	75.600%		
43) trans-1,3-Dichloroprop...	10.575	79	35125	18.918	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	75.680%		
47) 2-Hexanone-d5	10.922	63	26997	47.272	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	94.540%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	72248	22.187	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	88.760%		
66) 1,2-Dichlorobenzene-d4	13.848	152	83788	19.181	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	76.720%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.039	96	80248	21.147	ug/L	94
13) Acetone	4.118	43	32942	28.123	ug/L	97
16) Methylene chloride	4.917	84	179036	41.869	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	64074	15.647	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	129493	22.595	ug/L	100
19) 1,1-Dichloroethane	6.222	63	355545	46.717	ug/L	99
22) 2-Butanone	7.167	43	117450	93.018	ug/L	94
25) Chloroform	7.679	83	376360	46.275	ug/L	97
31) Carbon tetrachloride	8.075	117	52251	8.467	ug/L	98
33) Benzene	8.325	78	574080	33.893	ug/L	100
34) Trichloroethene	9.093	95	227001	48.172	ug/L	94
37) 1,2-Dichloropropane	9.367	63	80650	19.064	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	206856	32.417	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	155246	76.388	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	198269	36.976	ug/L	96
45) 1,1,2-Trichloroethane	10.788	97	77588	25.377	ug/L	96
50) 1,2-Dibromoethane	11.233	107	65980	23.127	ug/L	99
53) m,p-Xylene	11.836	106	192593	24.931	ug/L	96
54) o-Xylene	12.166	106	242774	33.993	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.708	83	89201	25.872	ug/L	97
59) Bromoform	12.349	173	15105	8.328	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	98016	39.017	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	178992	20.568	ug/L	93
65) 1,4-Dichlorobenzene	13.574	146	176400	19.631	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	6131	10.945	ug/L	95
70) 1,2,4-trichlorobenzene	15.129	180	50241	10.875	ug/L	98

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

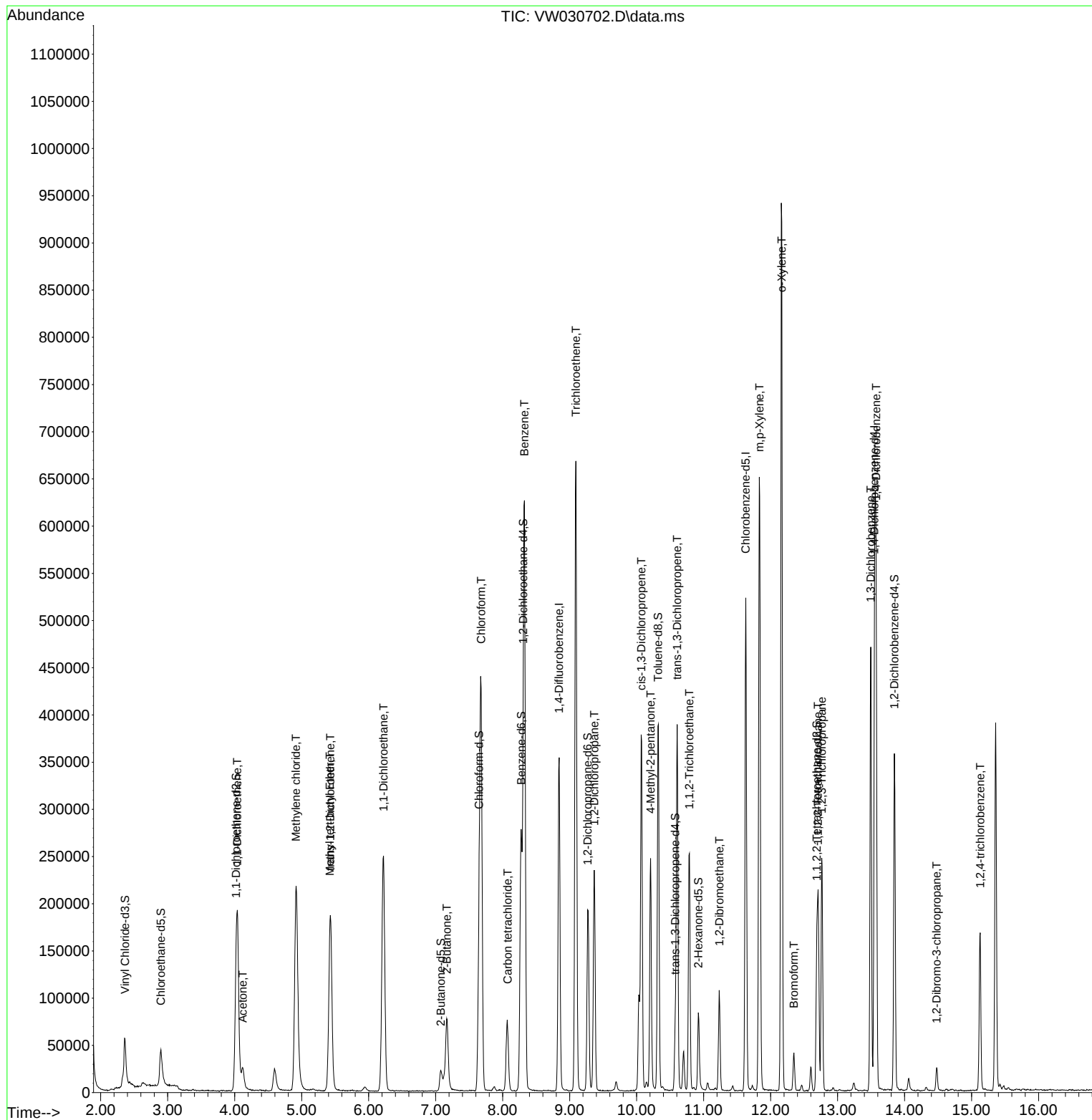
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Data File : VW030702.D
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Misc : 5.00g/10mL/MSVOA_W/SOIL/A
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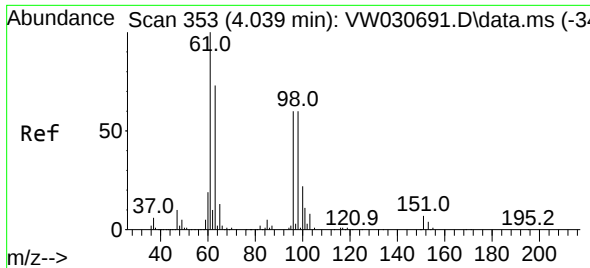
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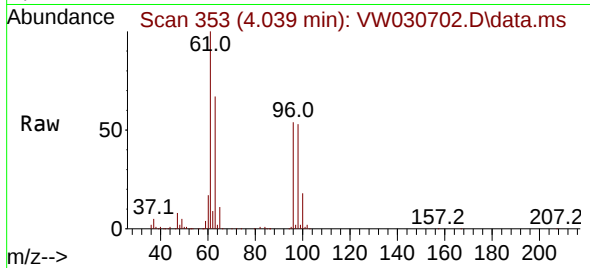
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Quant Title : SFAM01.0
QLast Update : Wed Oct 23 01:34:41 2024
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#12
1,1-Dichloroethene
Concen: 21.147 ug/L
RT: 4.039 min Scan# 353
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

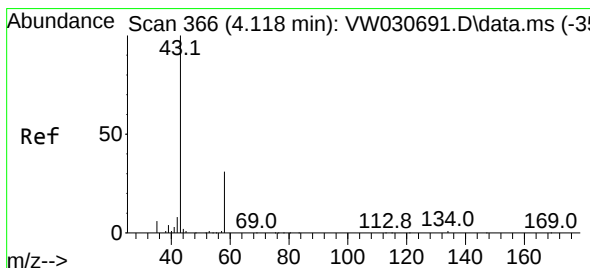
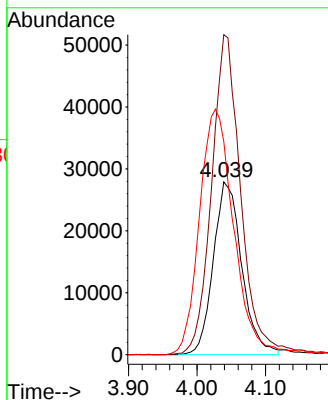
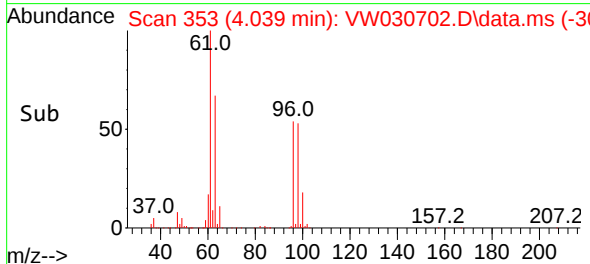
Instrument :
MSVOA_W
ClientSampleId :
XA104DL



Tgt Ion: 96 Resp: 80248
Ion Ratio Lower Upper
96 100
61 185.2 121.3 225.3
63 123.3 87.6 162.8

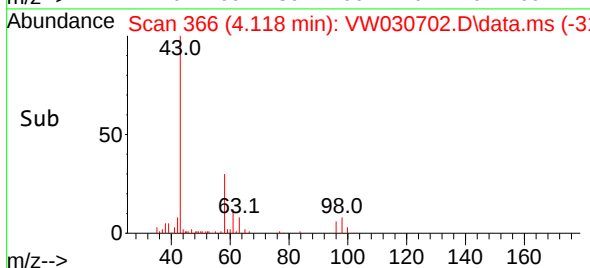
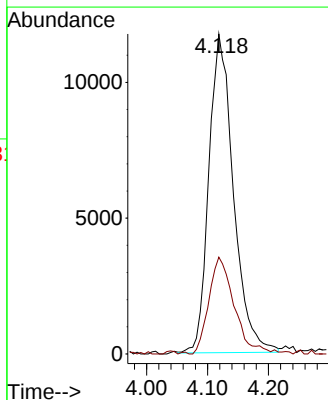
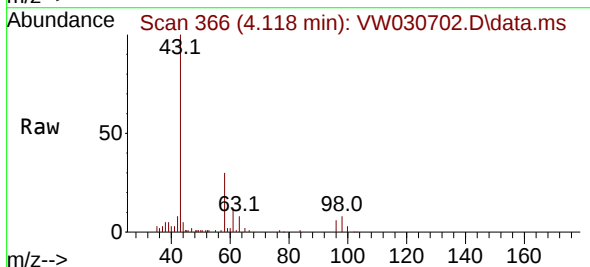
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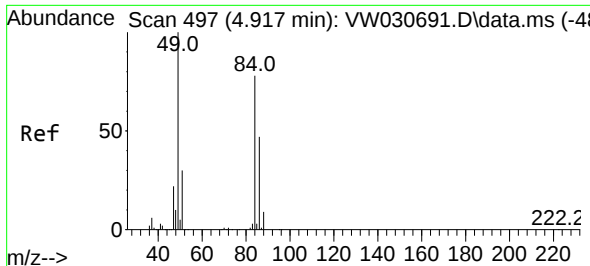
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#13
Acetone
Concen: 28.123 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

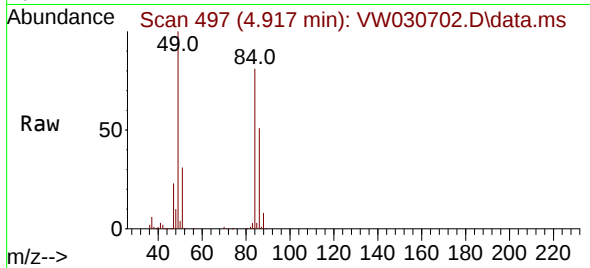
Tgt Ion: 43 Resp: 32942
Ion Ratio Lower Upper
43 100
58 30.3 0.0 57.6





#16
Methylene chloride
Concen: 41.869 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

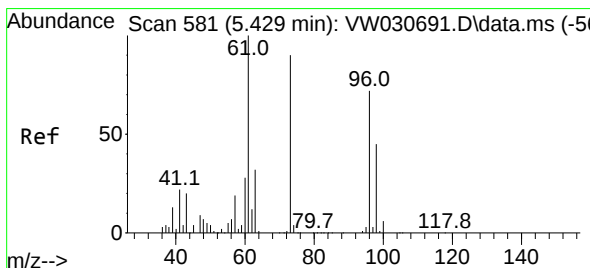
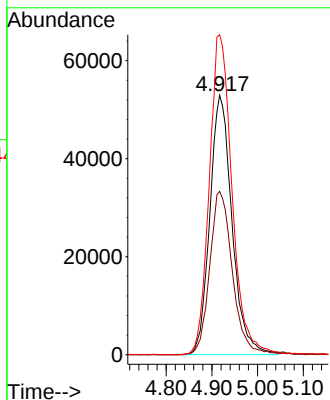
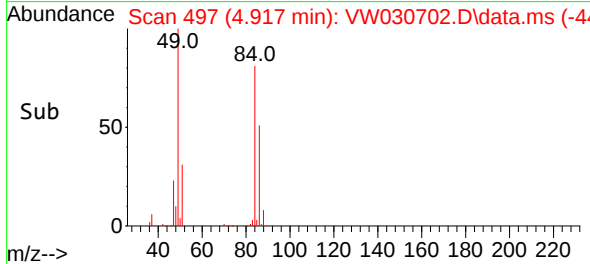
Instrument :
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ClientSampleId :
XA104DL



Tgt Ion: 84 Resp: 179036
Ion Ratio Lower Upper
84 100
86 63.0 43.8 81.3
49 123.4 88.3 164.1

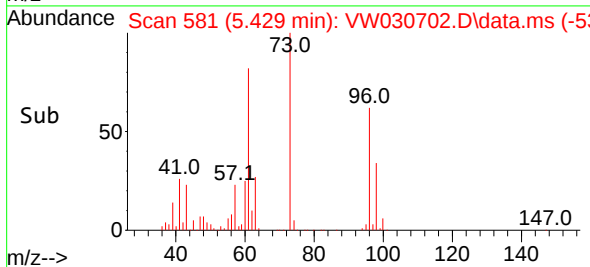
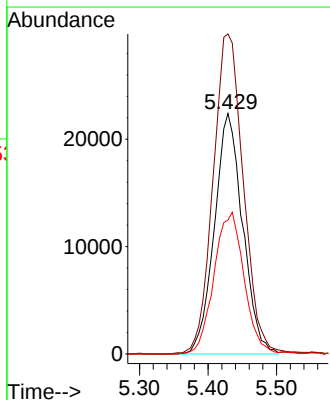
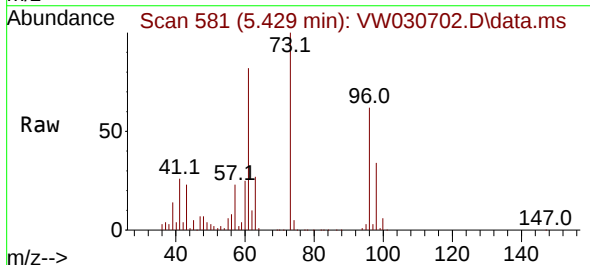
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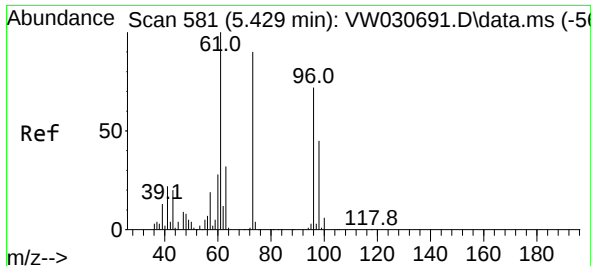
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#17
trans-1,2-Dichloroethene
Concen: 15.647 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

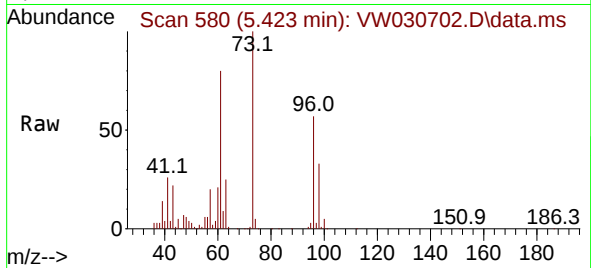
Tgt Ion: 96 Resp: 64074
Ion Ratio Lower Upper
96 100
61 133.1 96.9 179.9
98 55.7 42.2 78.4





#18
Methyl tert-butyl Ether
Concen: 22.595 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

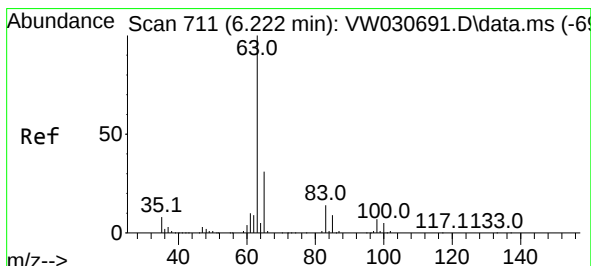
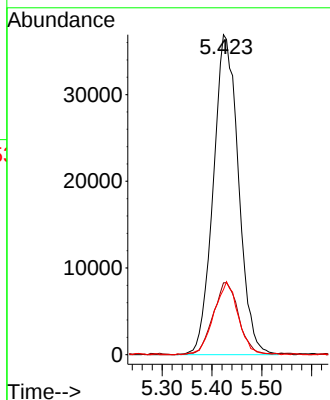
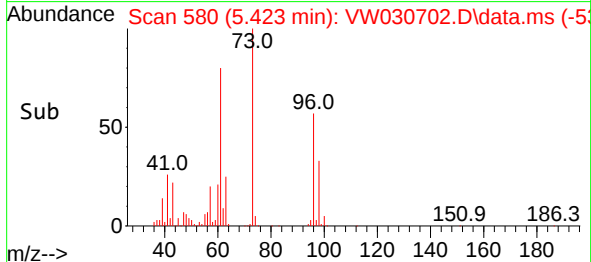
Instrument :
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XA104DL



Tgt Ion: 73 Resp: 12949
Ion Ratio Lower Upper
73 100
43 22.4 18.1 27.1
57 22.1 17.7 26.5

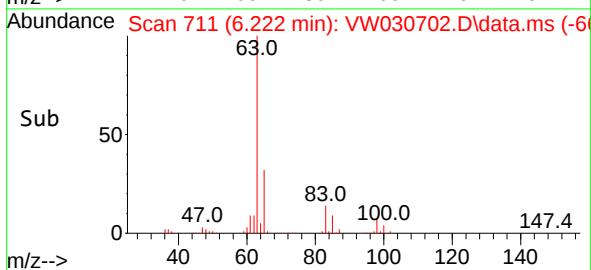
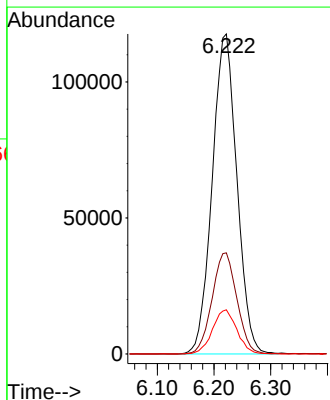
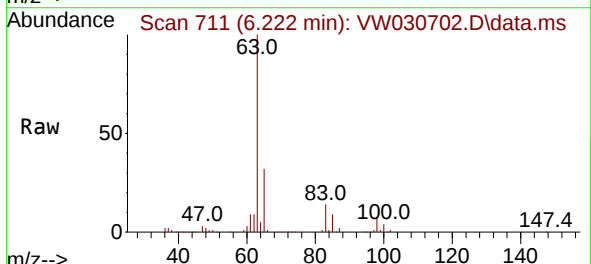
Manual Integrations
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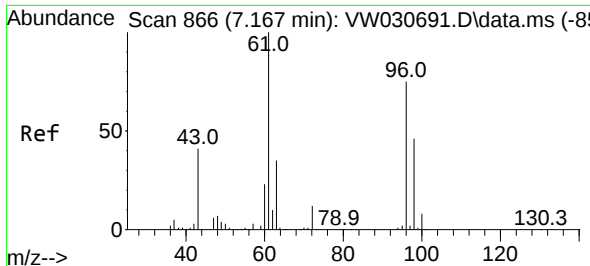
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#19
1,1-Dichloroethane
Concen: 46.717 ug/L
RT: 6.222 min Scan# 711
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

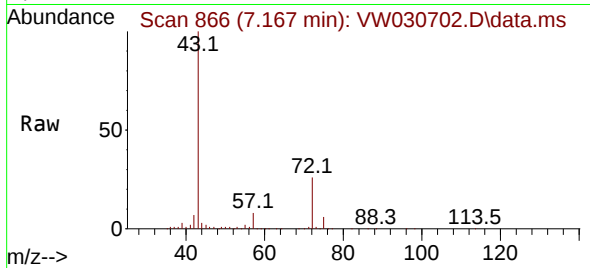
Tgt Ion: 63 Resp: 355545
Ion Ratio Lower Upper
63 100
65 31.6 22.5 41.9
83 13.8 9.8 18.2





#22
2-Butanone
Concen: 93.018 ug/L
RT: 7.167 min Scan# 80
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

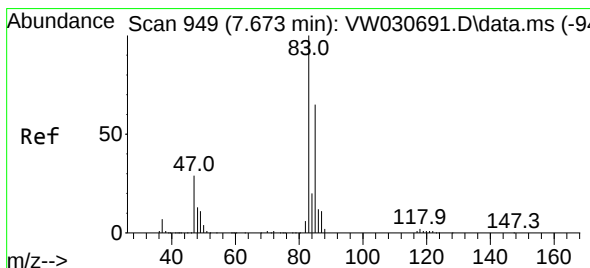
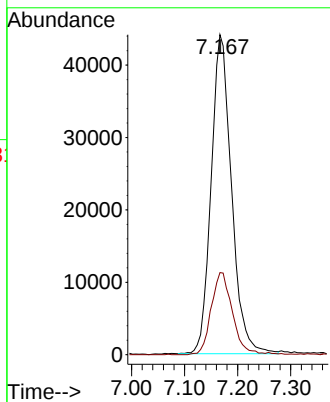
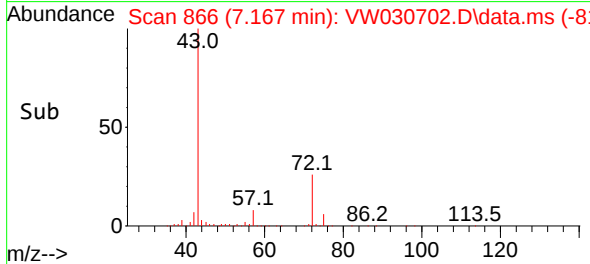
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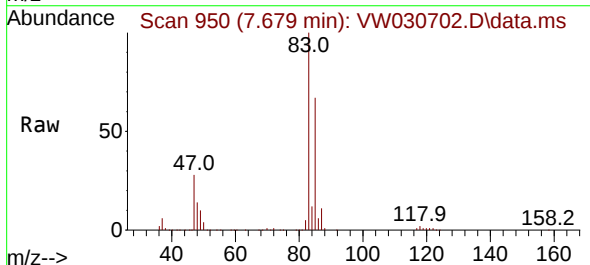
Tgt Ion: 43 Resp: 117450
Ion Ratio Lower Upper
43 100
72 25.4 14.4 43.0

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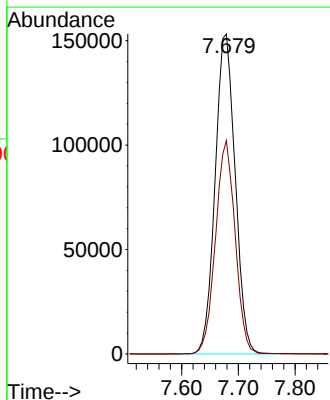
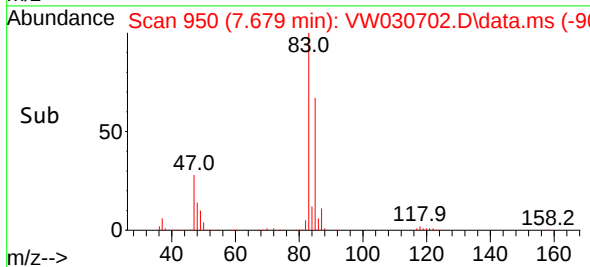
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

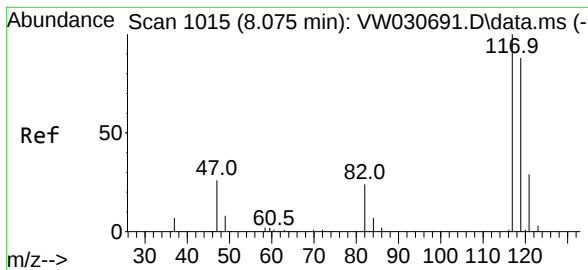


#25
Chloroform
Concen: 46.275 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43



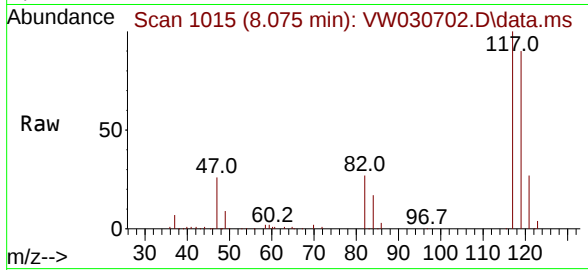
Tgt Ion: 83 Resp: 376360
Ion Ratio Lower Upper
83 100
85 66.7 45.1 83.7





#31
Carbon tetrachloride
Concen: 8.467 ug/L
RT: 8.075 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

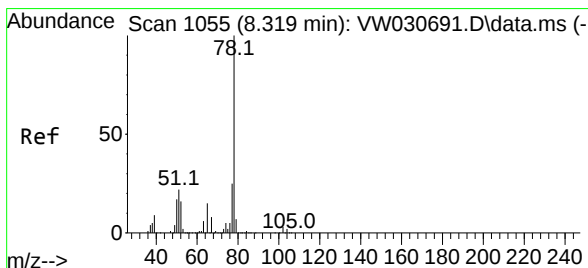
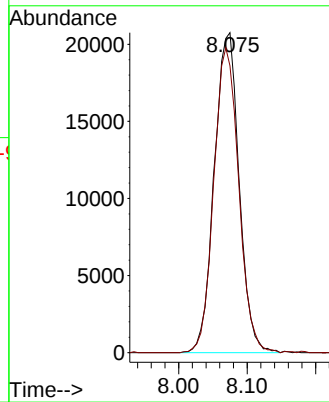
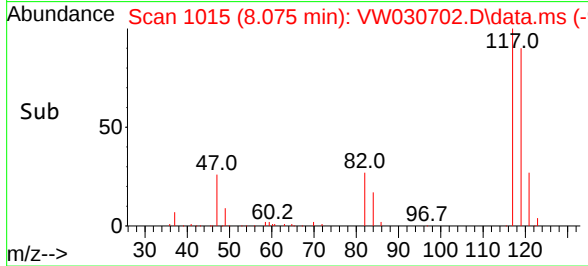
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Tgt Ion:117 Resp: 5225
Ion Ratio Lower Upper
117 100
119 95.6 77.8 116.8

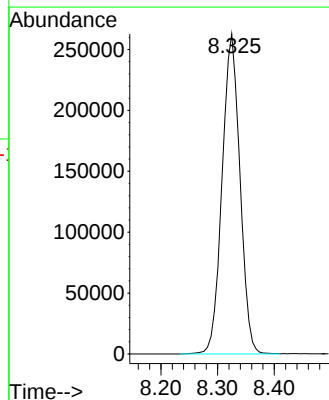
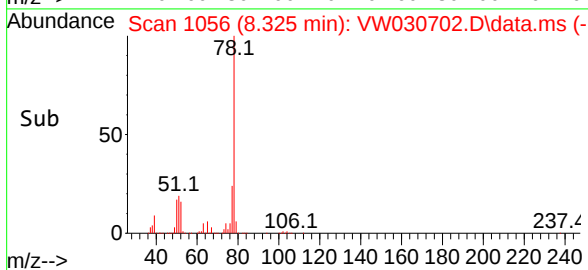
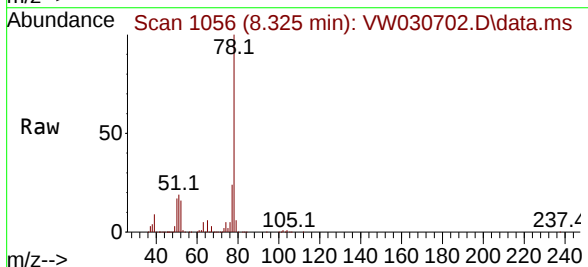
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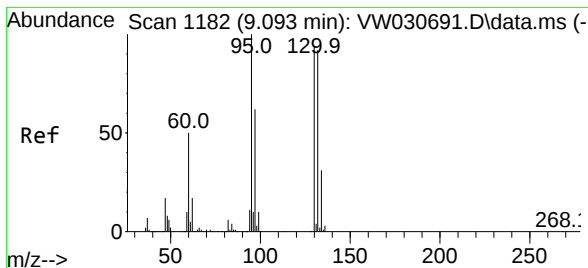
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#33
Benzene
Concen: 33.893 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

Tgt Ion: 78 Resp: 574080





#34

Trichloroethene

Concen: 48.172 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW030702.D

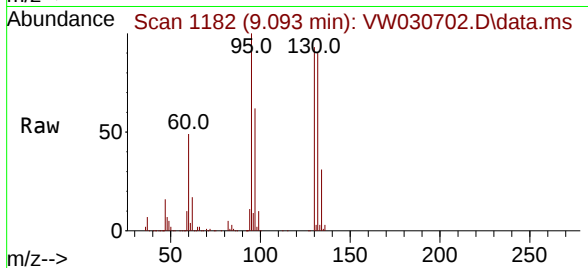
Acq: 22 Oct 2024 14:43

Instrument :

MSVOA_W

ClientSampleId :

XA104DL



Tgt Ion: 95 Resp: 22700

Ion Ratio Lower Upper

95 100

97 62.1 45.9 85.3

132 90.2 66.4 123.2

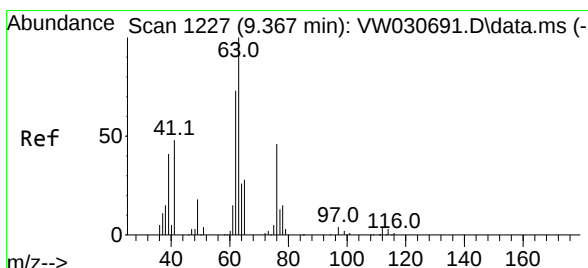
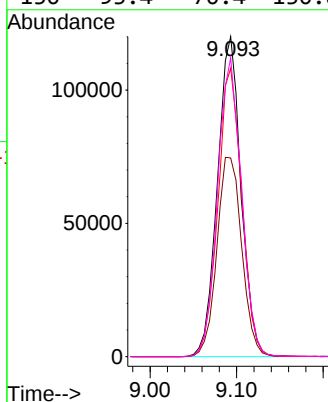
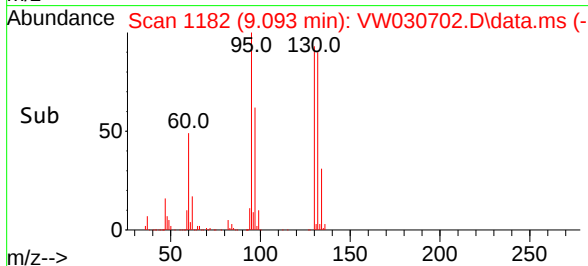
130 93.4 70.4 130.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 10/23/2024

Supervised By :Mahesh Dadoda 10/23/2024



#37

1,2-Dichloropropane

Concen: 19.064 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW030702.D

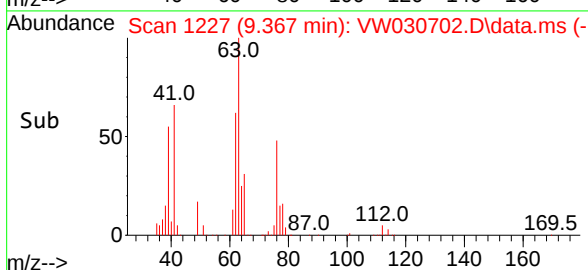
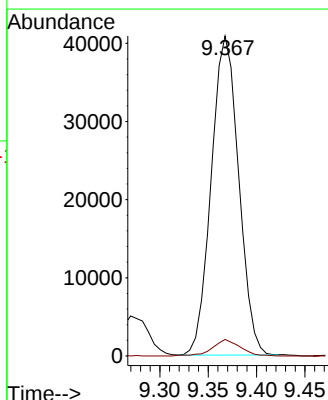
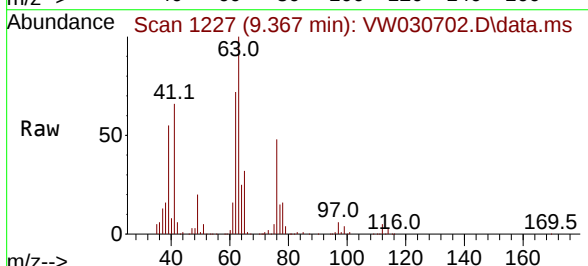
Acq: 22 Oct 2024 14:43

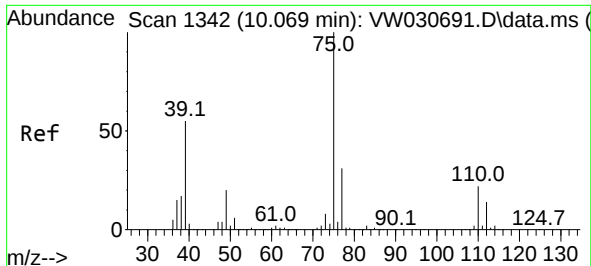
Tgt Ion: 63 Resp: 80650

Ion Ratio Lower Upper

63 100

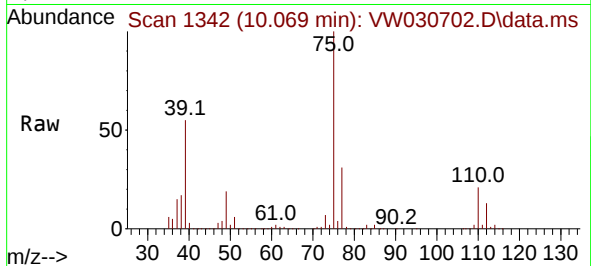
112 5.1 3.7 5.5





#39
cis-1,3-Dichloropropene
Concen: 32.417 ug/L
RT: 10.069 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

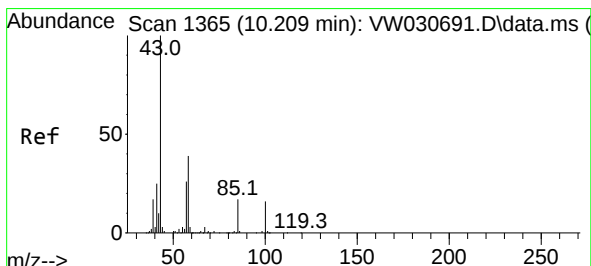
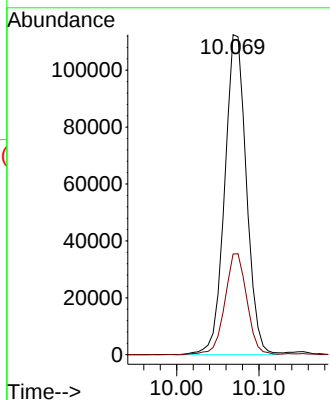
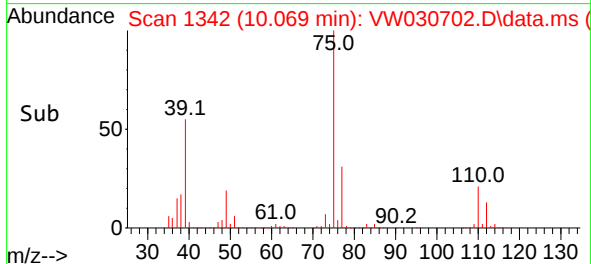
Instrument :
MSVOA_W
ClientSampleId :
XA104DL



Tgt Ion: 75 Resp: 206850
Ion Ratio Lower Upper
75 100
77 31.5 21.1 39.1

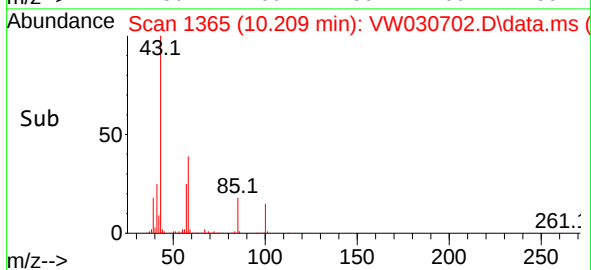
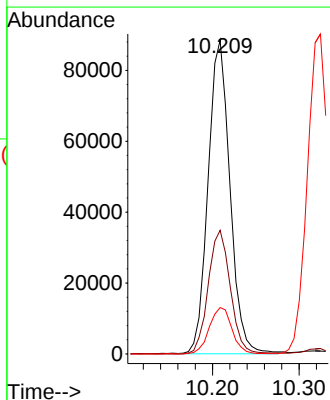
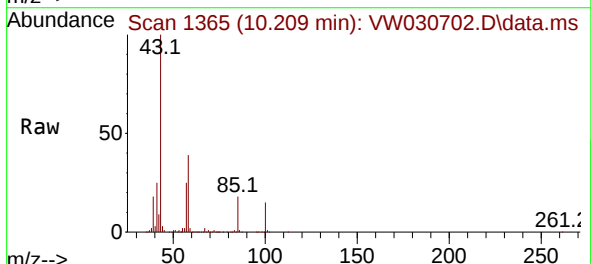
Manual Integrations
APPROVED

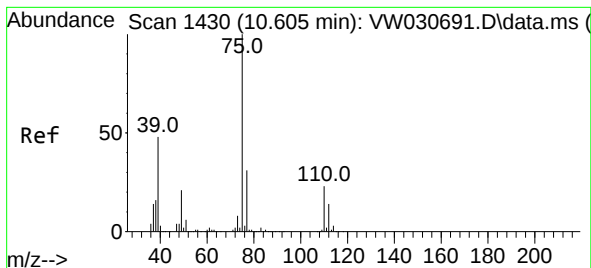
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#40
4-Methyl-2-pentanone
Concen: 76.388 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

Tgt Ion: 43 Resp: 155246
Ion Ratio Lower Upper
43 100
58 39.9 31.4 47.2
100 15.4 13.1 19.7





#44

trans-1,3-Dichloropropene

Concen: 36.976 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW030702.D

Acq: 22 Oct 2024 14:43

Instrument :

MSVOA_W

ClientSampleId :

XA104DL

Tgt Ion: 75 Resp: 198269

Ion Ratio Lower Upper

75 100

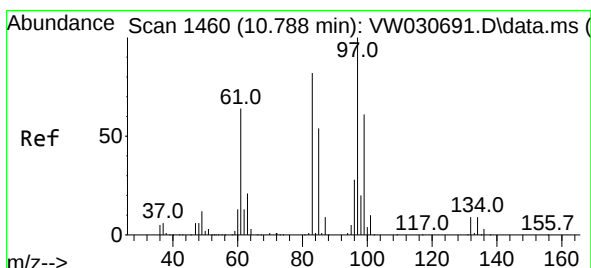
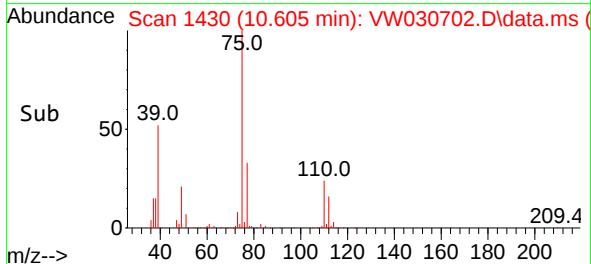
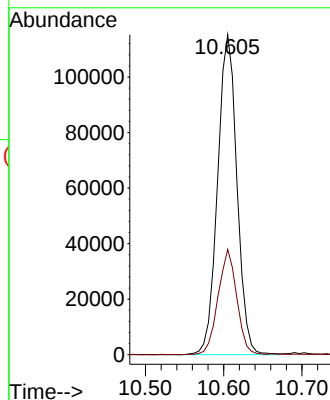
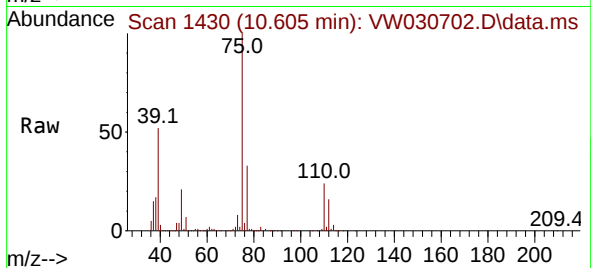
77 32.9 21.6 40.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 10/23/2024

Supervised By :Mahesh Dadoda 10/23/2024



#45

1,1,2-Trichloroethane

Concen: 25.377 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW030702.D

Acq: 22 Oct 2024 14:43

Tgt Ion: 97 Resp: 77588

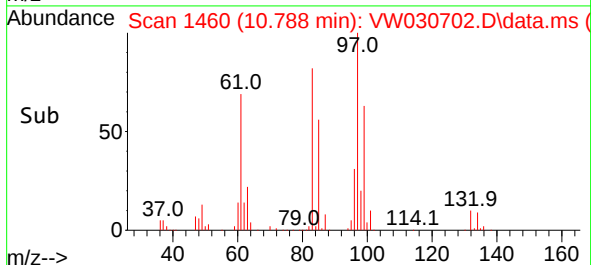
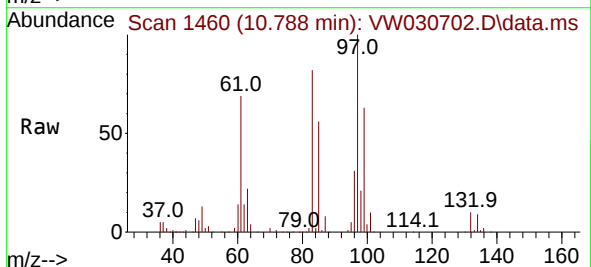
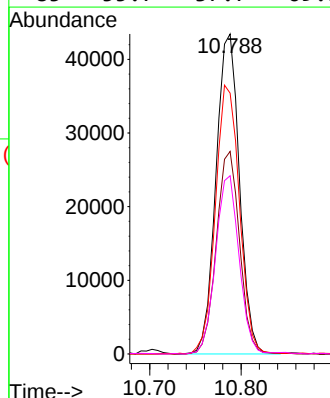
Ion Ratio Lower Upper

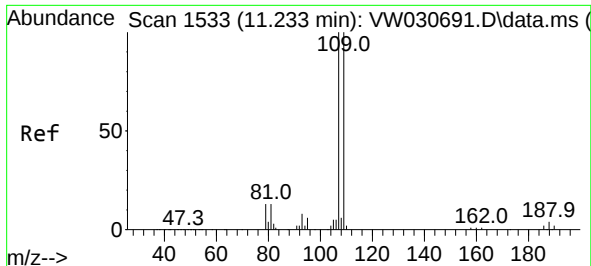
97 100

99 63.3 41.2 76.6

83 81.5 59.6 110.6

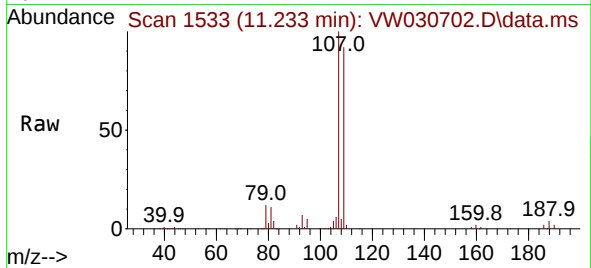
85 55.7 37.7 69.9





#50
1,2-Dibromoethane
Concen: 23.127 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

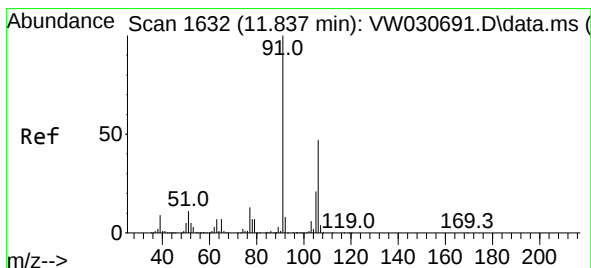
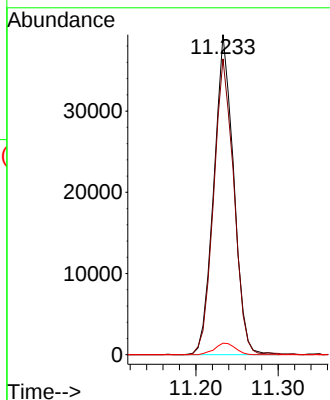
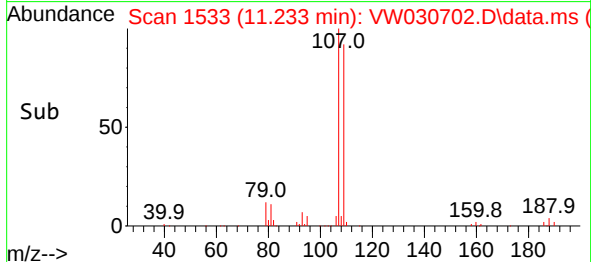
Instrument :
MSVOA_W
ClientSampleId :
XA104DL



Tgt Ion:107 Resp: 65980
Ion Ratio Lower Upper
107 100
109 92.4 63.8 118.6
188 3.6 2.6 3.8

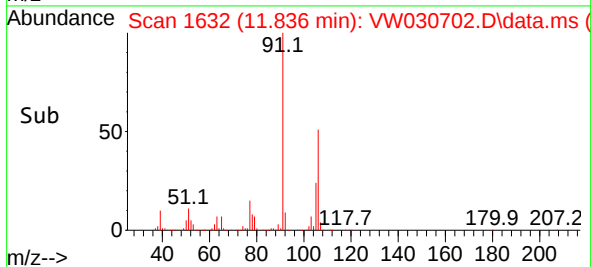
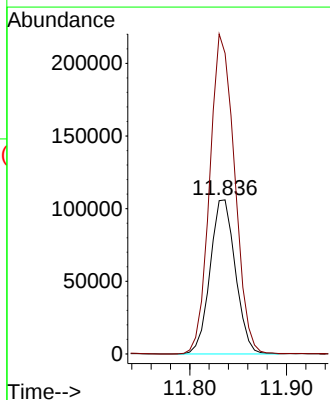
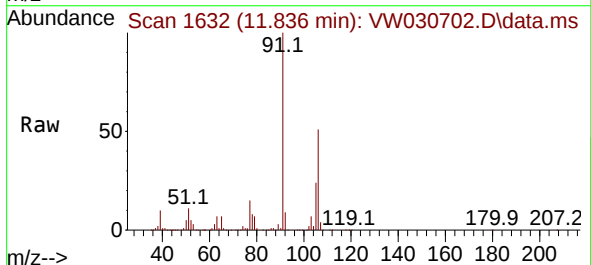
Manual Integrations
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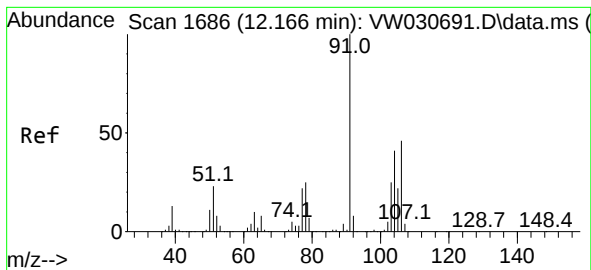
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#53
m,p-Xylene
Concen: 24.931 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

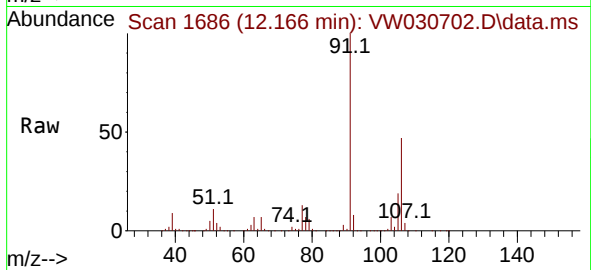
Tgt Ion:106 Resp: 192593
Ion Ratio Lower Upper
106 100
91 195.0 140.6 261.2





#54
o-Xylene
Concen: 33.993 ug/L
RT: 12.166 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

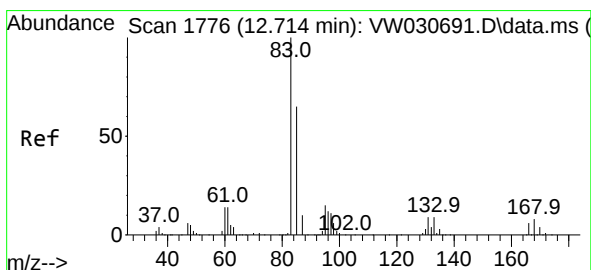
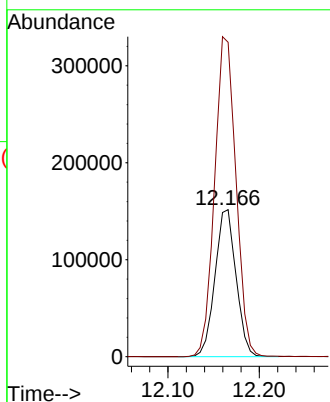
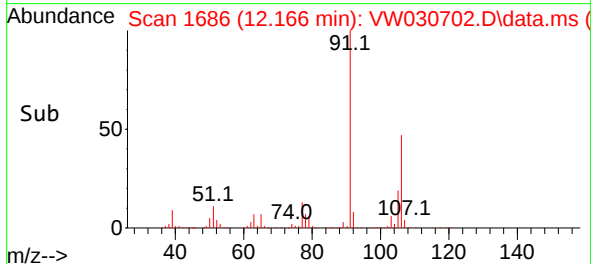
Instrument :
MSVOA_W
ClientSampleId :
XA104DL



Tgt Ion:106 Resp: 242774
Ion Ratio Lower Upper
106 100
91 213.8 144.5 268.4

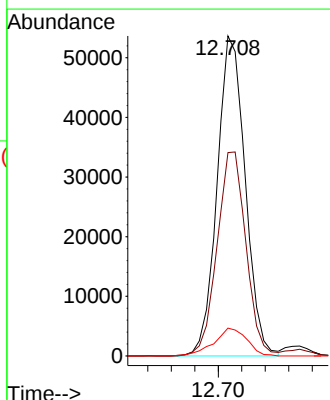
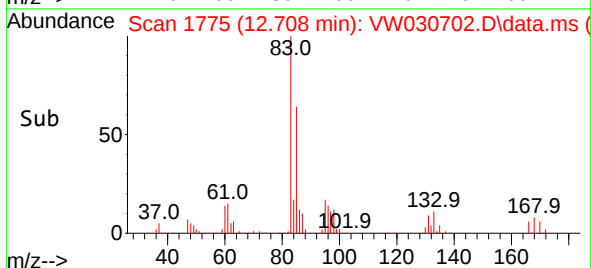
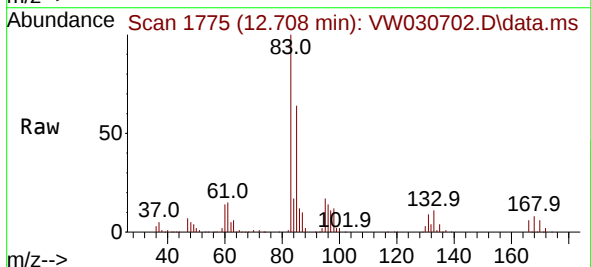
Manual Integrations
APPROVED

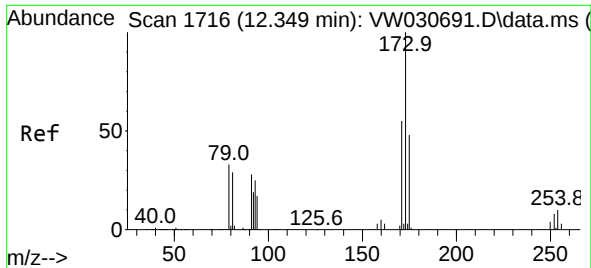
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 25.872 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

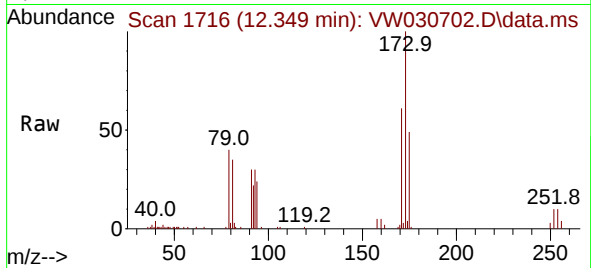
Tgt Ion: 83 Resp: 89201
Ion Ratio Lower Upper
83 100
85 63.6 42.6 79.2
131 8.7 7.4 11.0





#59
Bromoform
Concen: 8.328 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

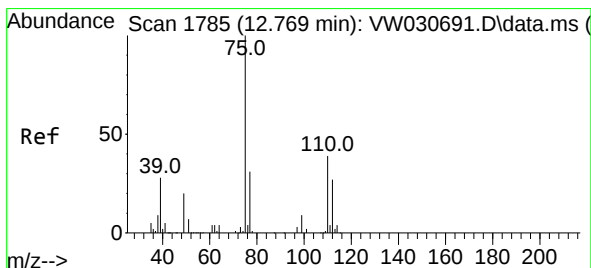
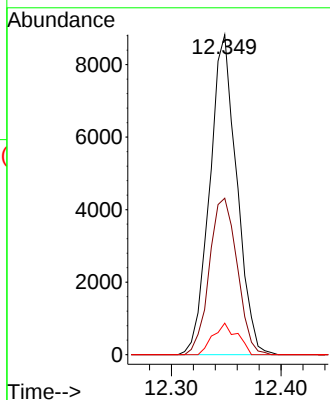
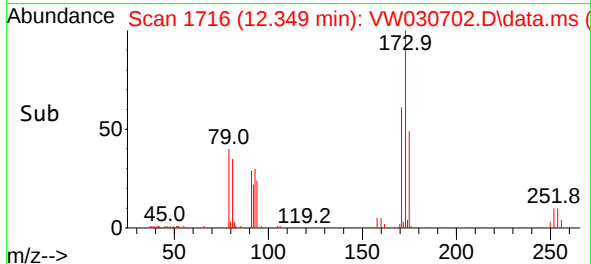
Instrument :
MSVOA_W
ClientSampleId :
XA104DL



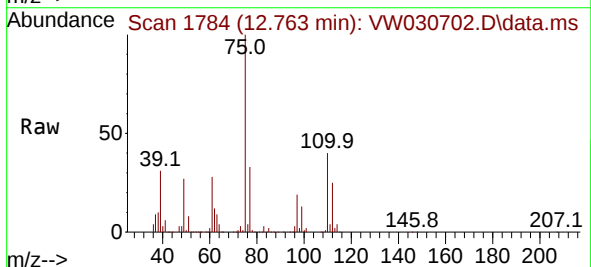
Tgt Ion:173 Resp: 1510
Ion Ratio Lower Upper
173 100
175 50.4 39.0 58.4
254 8.8 7.7 11.5

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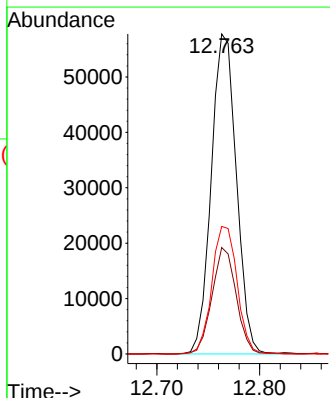
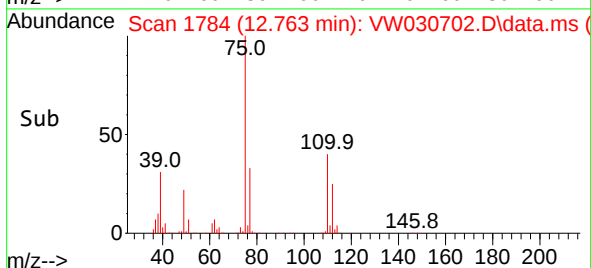
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

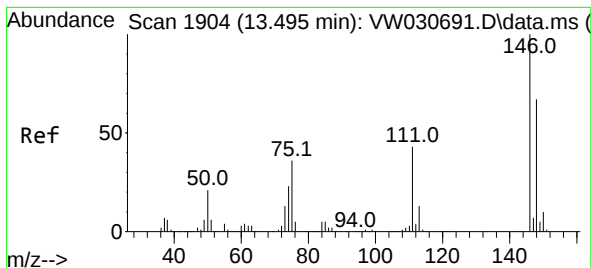


#61
1,2,3-Trichloropropane
Concen: 39.017 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43



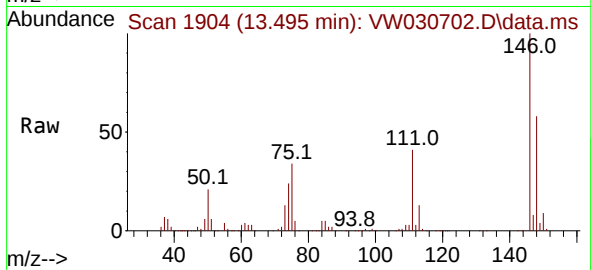
Tgt Ion: 75 Resp: 98016
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
110 40.0 32.3 48.5





#64
1,3-Dichlorobenzene
Concen: 20.568 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

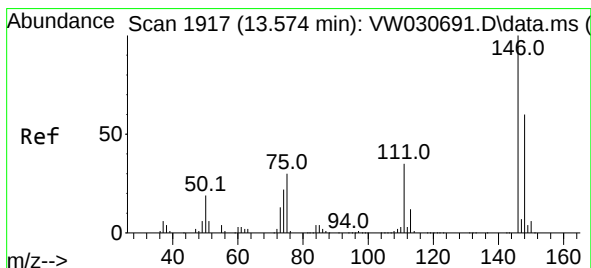
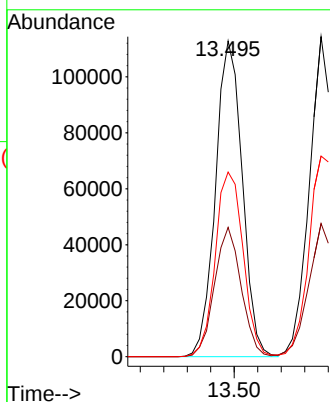
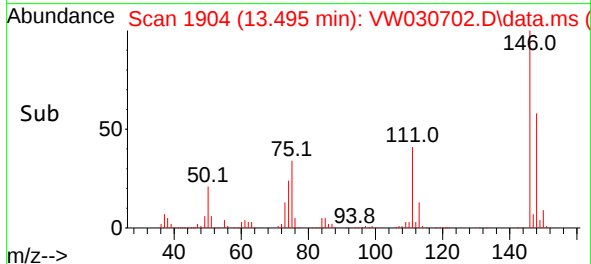
Instrument :
MSVOA_W
ClientSampleId :
XA104DL



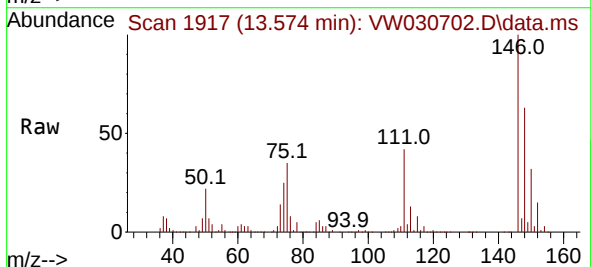
Tgt Ion:146 Resp: 178992
Ion Ratio Lower Upper
146 100
111 41.0 31.2 58.0
148 58.5 45.7 84.9

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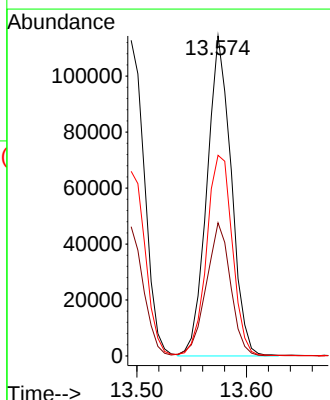
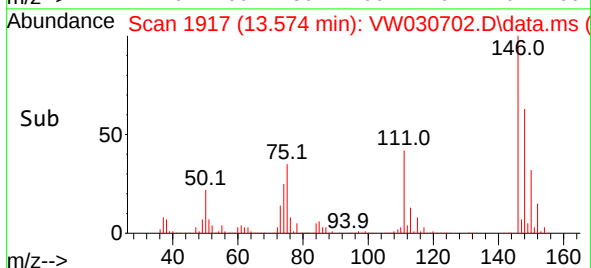
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

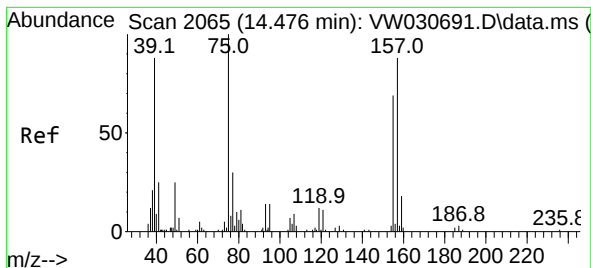


#65
1,4-Dichlorobenzene
Concen: 19.631 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43



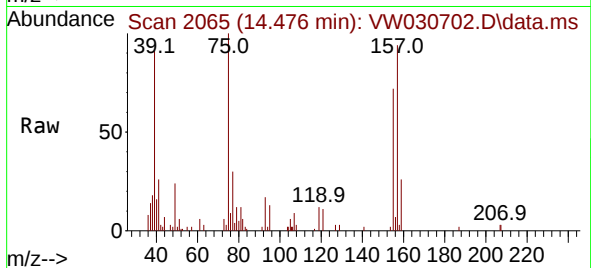
Tgt Ion:146 Resp: 176400
Ion Ratio Lower Upper
146 100
111 41.6 26.8 49.8
148 62.7 41.0 76.2





#68
1,2-Dibromo-3-chloropropane
Concen: 10.945 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

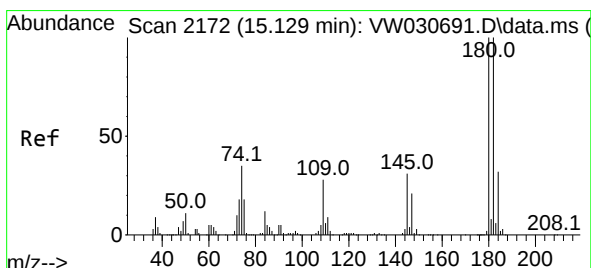
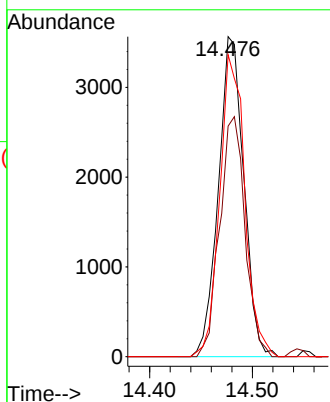
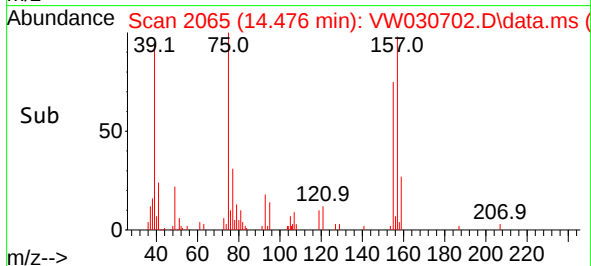
Instrument :
MSVOA_W
ClientSampleId :
XA104DL



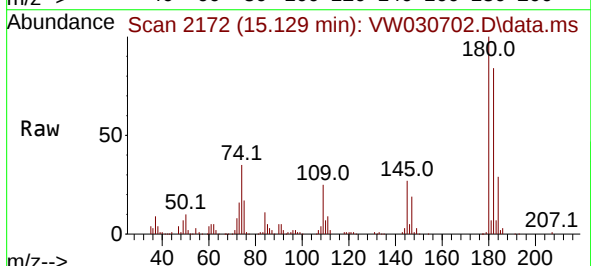
Tgt Ion: 75 Resp: 613
Ion Ratio Lower Upper
75 100
155 72.0 57.9 86.9
157 94.4 69.0 103.6

Manual Integrations
APPROVED

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



#70
1,2,4-trichlorobenzene
Concen: 10.875 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43



Tgt Ion:180 Resp: 50241
Ion Ratio Lower Upper
180 100
182 91.7 75.2 112.8
145 32.1 25.4 38.2

