

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092324\
 Data File : VW030200.D
 Acq On : 23 Sep 2024 15:18
 Operator : SY/MD
 Sample : P4109-12
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E63

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 09/25/2024
 Supervised By :Mahesh Dadoda 09/25/2024

Quant Time: Sep 24 01:19:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Sep 24 01:15:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	346520	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	304854	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	153441	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	108293	24.200	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	96.800%		
7) Chloroethane-d5	2.899	69	87389	27.661	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	110.640%		
11) 1,1-Dichloroethene-d2	4.021	65	47552	21.267	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	85.080%		
21) 2-Butanone-d5	7.075	46	57898	53.432	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	106.860%		
24) Chloroform-d	7.648	84	255332	26.799	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	107.200%		
26) 1,2-Dichloroethane-d4	8.307	65	118977	24.867	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.480%		
32) Benzene-d6	8.276	84	434013	24.713	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	98.840%		
36) 1,2-Dichloropropane-d6	9.276	67	131356	24.225	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	96.880%		
41) Toluene-d8	10.319	98	399290	25.371	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	101.480%		
43) trans-1,3-Dichloroprop...	10.575	79	56628	26.067	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	104.280%		
47) 2-Hexanone-d5	10.922	63	49434	59.578	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	119.160%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	108184	26.798	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	107.200%		
66) 1,2-Dichlorobenzene-d4	13.848	152	130398	25.034	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	100.120%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.045	96	189746m	45.872	ug/L	
13) Acetone	4.118	43	93348	75.088	ug/L	99
16) Methylene chloride	4.917	84	392527	76.820	ug/L	97
17) trans-1,2-Dichloroethene	5.435	96	146234	32.070	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	320730	44.630	ug/L	97
19) 1,1-Dichloroethane	6.222	63	765409	82.665	ug/L	98
22) 2-Butanone	7.167	43	296009	201.150	ug/L	100
25) Chloroform	7.679	83	814427	86.602	ug/L	98
31) Carbon tetrachloride	8.069	117	112014	16.717	ug/L	99
33) Benzene	8.325	78	1268376	68.051	ug/L	100
34) Trichloroethene	9.093	95	507571	100.879	ug/L	97
37) 1,2-Dichloropropane	9.368	63	182205	36.067	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	488886	66.151	ug/L	96
40) 4-Methyl-2-pentanone	10.209	43	379297	146.938	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	462797	74.441	ug/L	95
45) 1,1,2-Trichloroethane	10.782	97	178774	48.633	ug/L	96
50) 1,2-Dibromoethane	11.233	107	158606	46.793	ug/L #	93
53) m,p-Xylene	11.830	106	435056	52.084	ug/L	99
54) o-Xylene	12.160	106	554659	70.565	ug/L	93

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.714	83	208817	47.592	ug/L	99
59) Bromoform	12.349	173	42166	17.363	ug/L	97
61) 1,2,3-Trichloropropane	12.769	75	232047	72.694	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	419783	41.926	ug/L	92
65) 1,4-Dichlorobenzene	13.574	146	409878	39.624	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.476	75	15296	21.971	ug/L	92
70) 1,2,4-trichlorobenzene	15.123	180	125501	22.169	ug/L	95

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

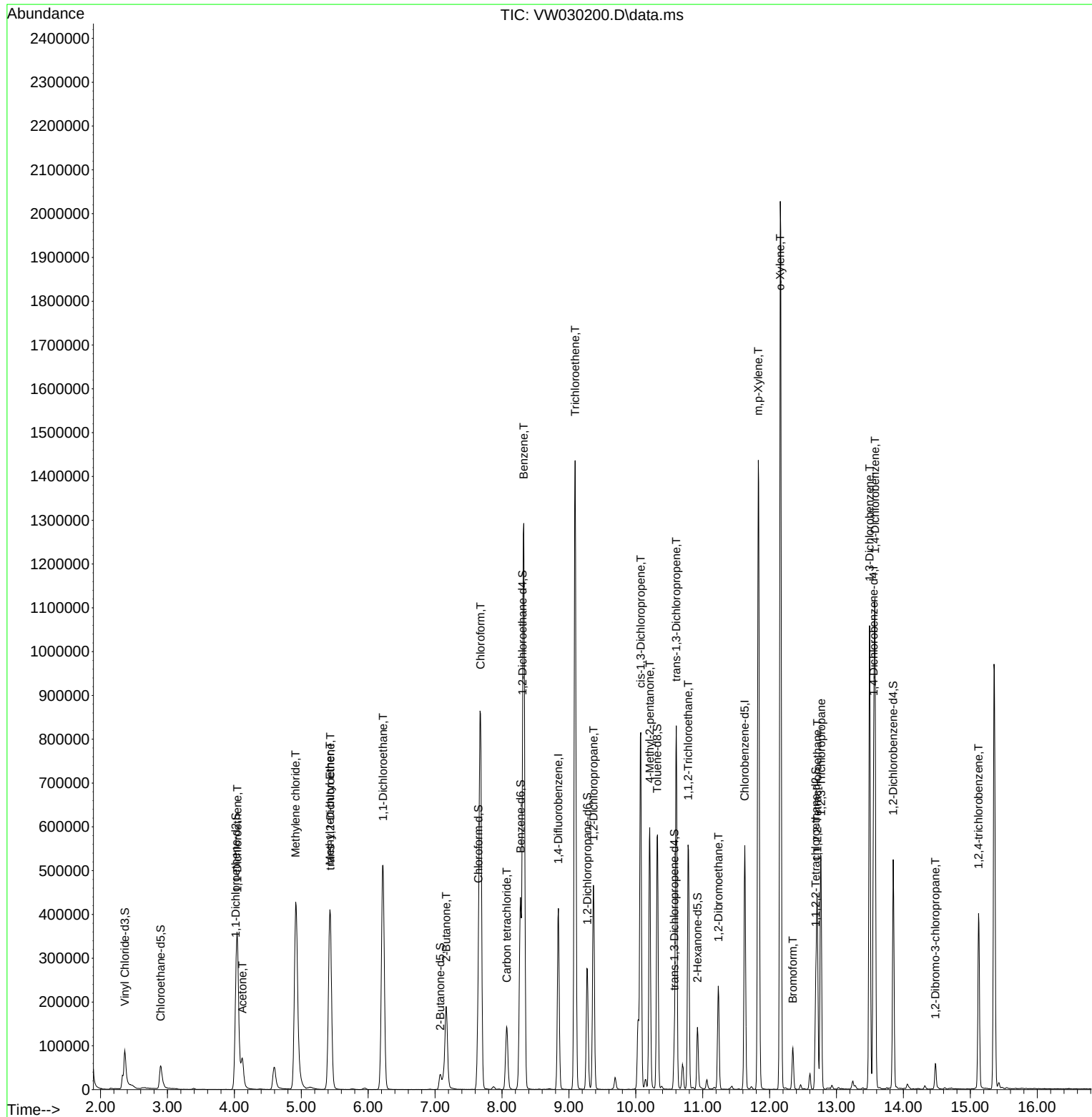
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092324\
Data File : VW030200.D
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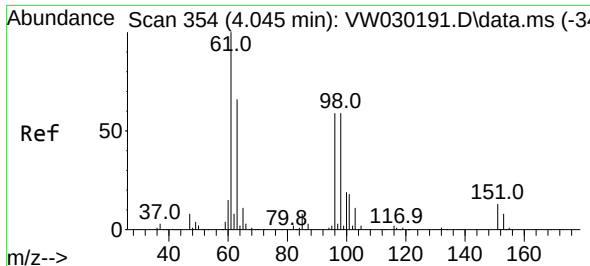
Instrument :
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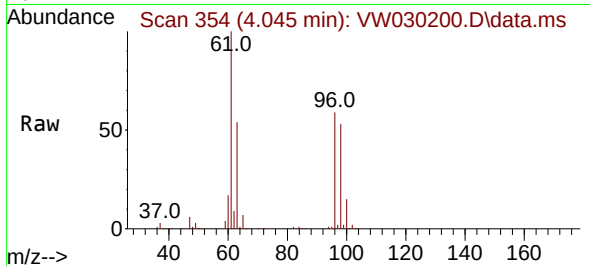
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Sep 24 01:15:59 2024
Response via : Initial Calibration





#12
1,1-Dichloroethene
Concen: 45.872 ug/L m
RT: 4.045 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

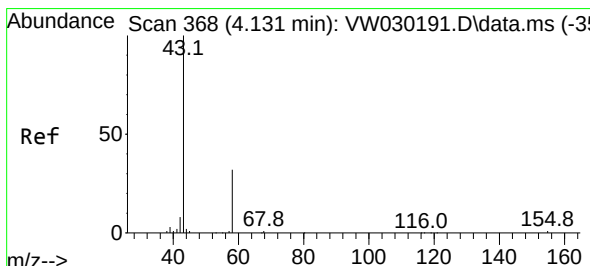
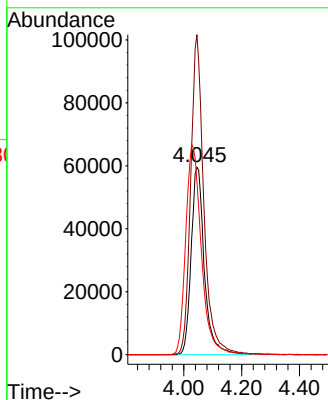
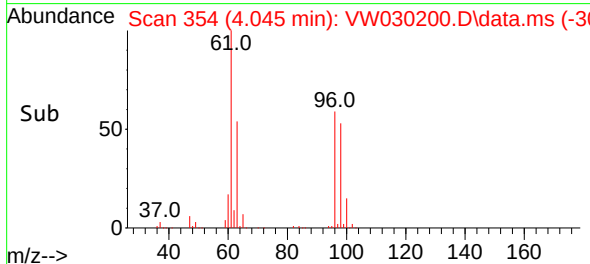
Instrument :
MSVOA_W
ClientSampleId :
A4E63



Tgt Ion: 96 Resp: 189740
Ion Ratio Lower Upper
96 100
61 170.8 124.0 230.4
63 92.3 93.3 173.3

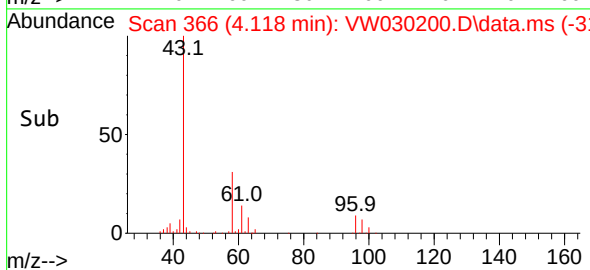
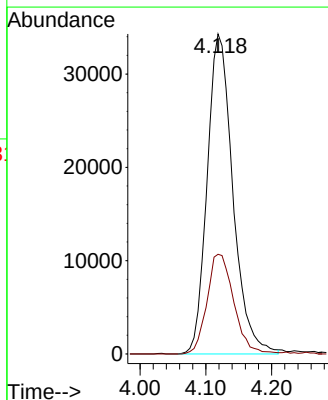
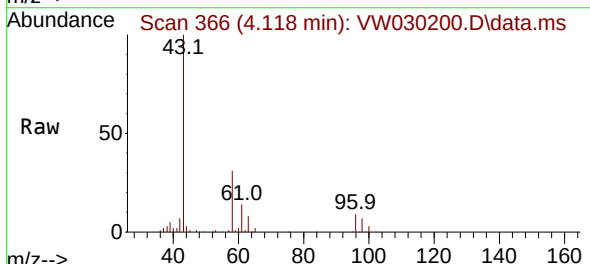
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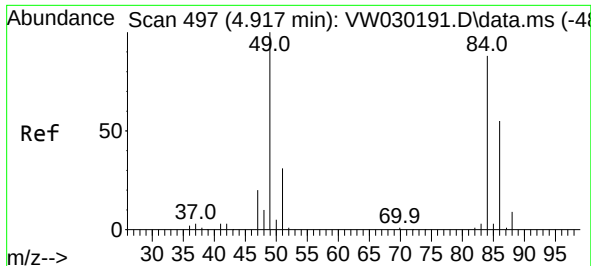
Reviewed By :Romaben Patel 09/25/2024
Supervised By :Mahesh Dadoda 09/25/2024



#13
Acetone
Concen: 75.088 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.012 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

Tgt Ion: 43 Resp: 93348
Ion Ratio Lower Upper
43 100
58 32.2 0.0 65.0





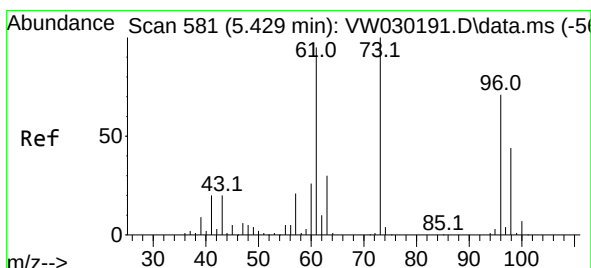
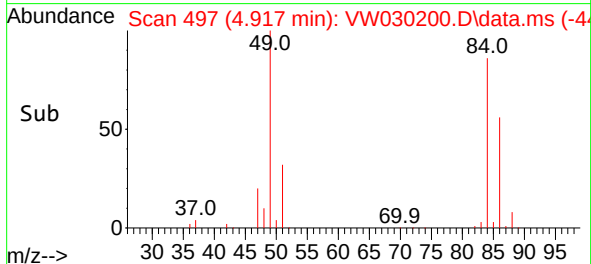
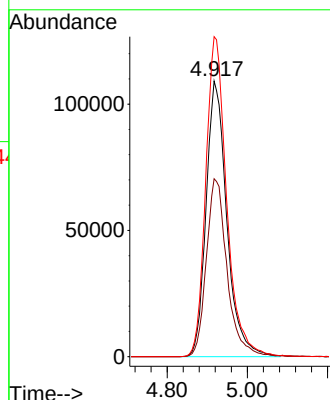
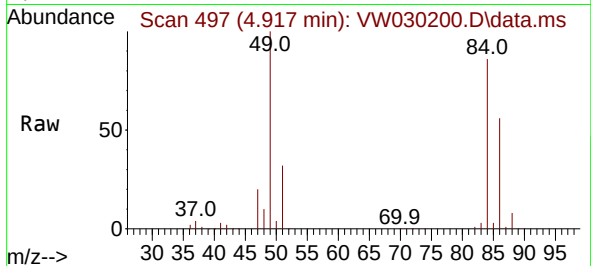
#16
Methylene chloride
Concen: 76.820 ug/L
RT: 4.917 min Scan# 49
Delta R.T. -0.000 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

Instrument :
MSVOA_W
ClientSampleId :
A4E63

Tgt Ion: 84 Resp: 39252
Ion Ratio Lower Upper
84 100
86 64.5 44.6 82.8
49 116.1 83.8 155.6

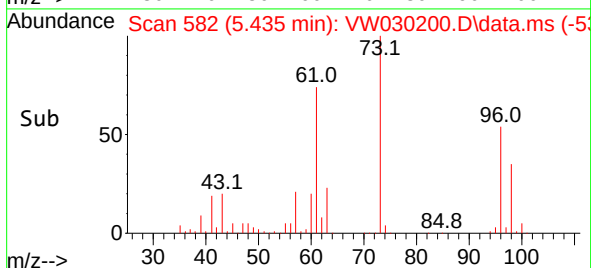
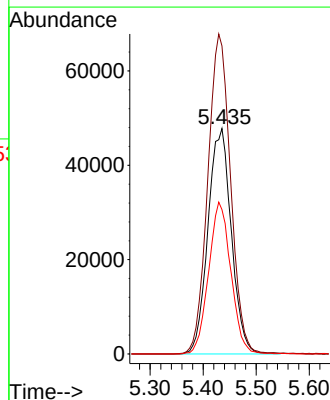
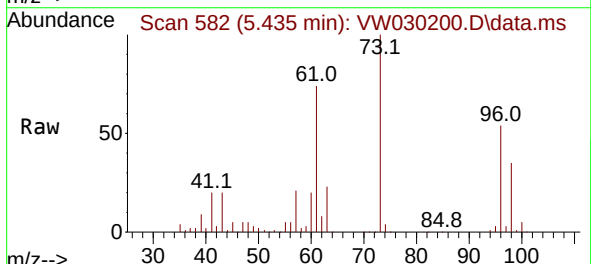
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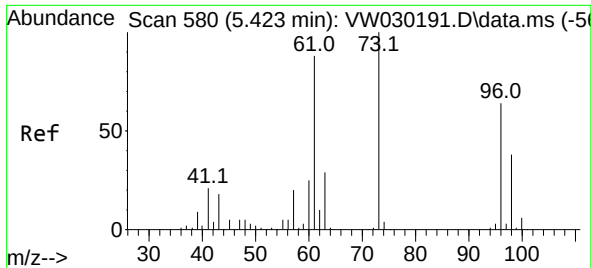
Reviewed By :Romaben Patel 09/25/2024
Supervised By :Mahesh Dadoda 09/25/2024



#17
trans-1,2-Dichloroethene
Concen: 32.070 ug/L
RT: 5.435 min Scan# 582
Delta R.T. 0.006 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

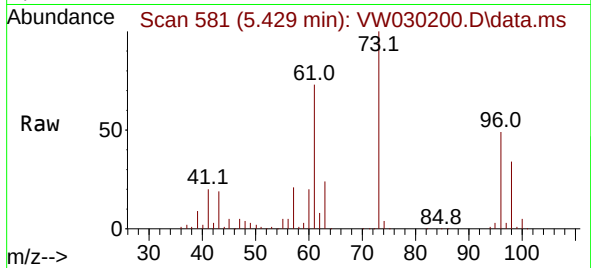
Tgt Ion: 96 Resp: 146234
Ion Ratio Lower Upper
96 100
61 136.6 100.8 187.2
98 64.0 43.0 80.0





#18
Methyl tert-butyl Ether
Concen: 44.630 ug/L
RT: 5.429 min Scan# 51
Delta R.T. 0.006 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

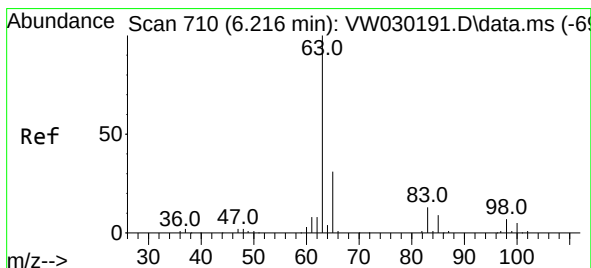
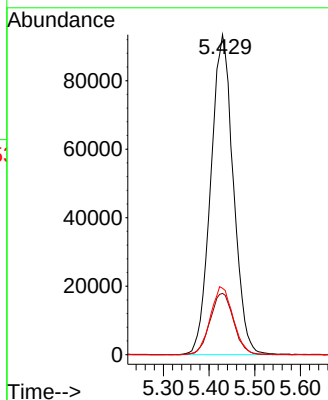
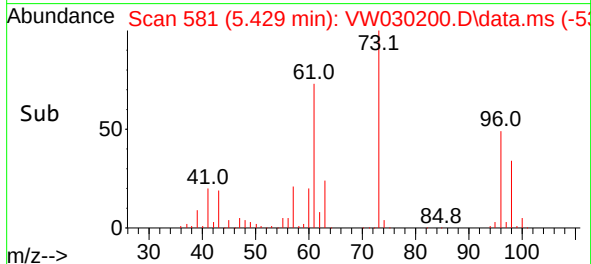
Instrument :
MSVOA_W
ClientSampleId :
A4E63



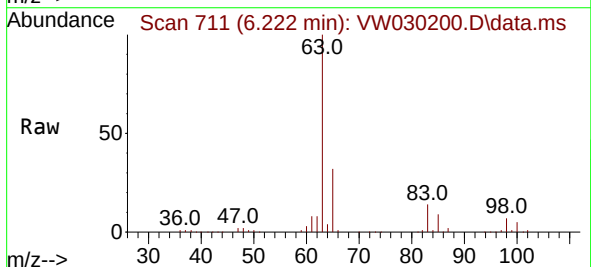
Tgt Ion: 73 Resp: 320730
Ion Ratio Lower Upper
73 100
43 20.0 15.7 23.5
57 21.4 18.8 28.2

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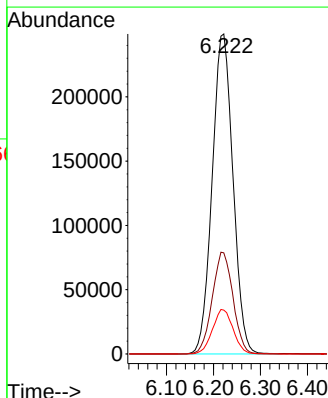
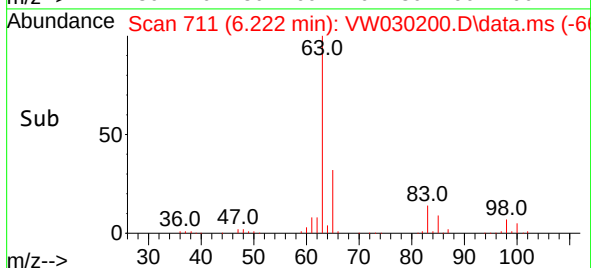
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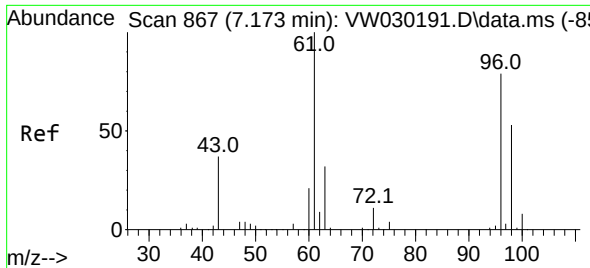


#19
1,1-Dichloroethane
Concen: 82.665 ug/L
RT: 6.222 min Scan# 711
Delta R.T. 0.006 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18



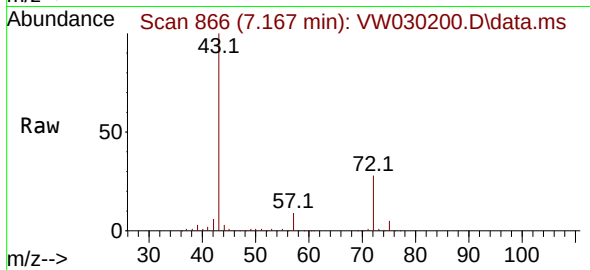
Tgt Ion: 63 Resp: 765409
Ion Ratio Lower Upper
63 100
65 31.6 21.6 40.0
83 13.7 9.0 16.8





#22
2-Butanone
Concen: 201.150 ug/L
RT: 7.167 min Scan# 80
Delta R.T. -0.006 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

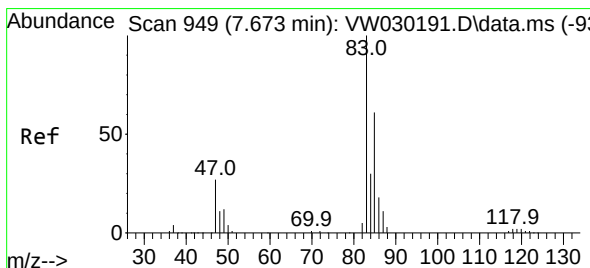
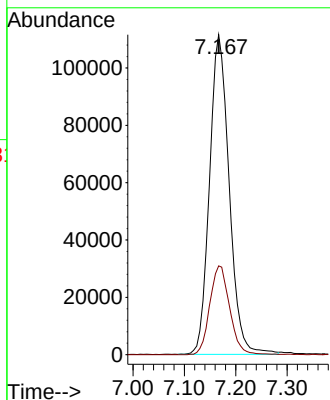
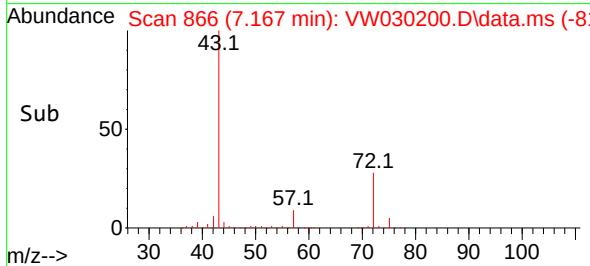
Instrument :
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ClientSampleId :
A4E63



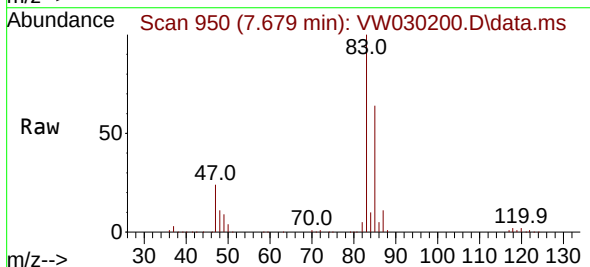
Tgt Ion: 43 Resp: 296009
Ion Ratio Lower Upper
43 100
72 28.0 13.9 41.7

Manual Integrations
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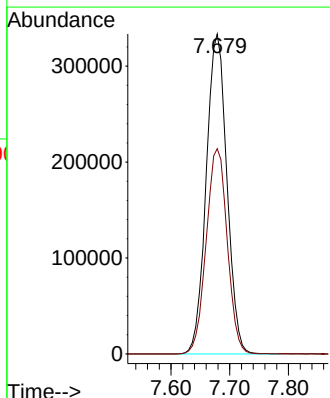
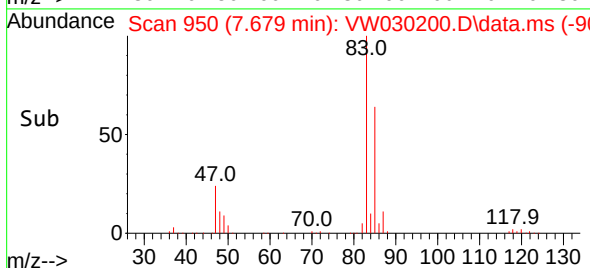
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Supervised By :Mahesh Dadoda 09/25/2024

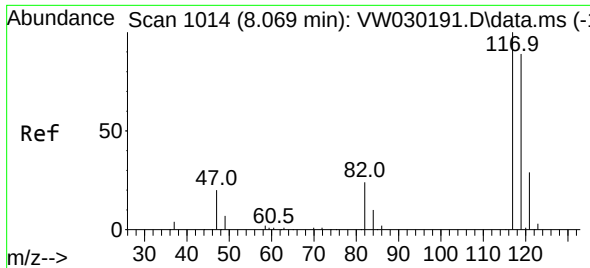


#25
Chloroform
Concen: 86.602 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18



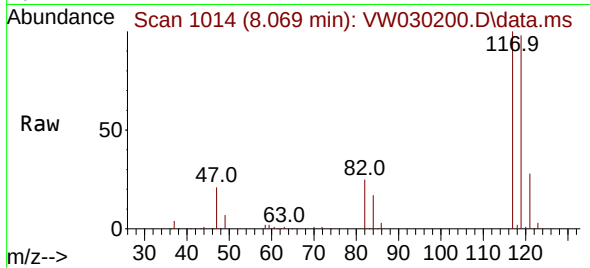
Tgt Ion: 83 Resp: 814427
Ion Ratio Lower Upper
83 100
85 64.1 46.1 85.5





#31
Carbon tetrachloride
Concen: 16.717 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

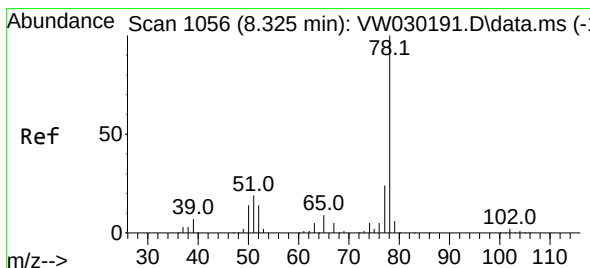
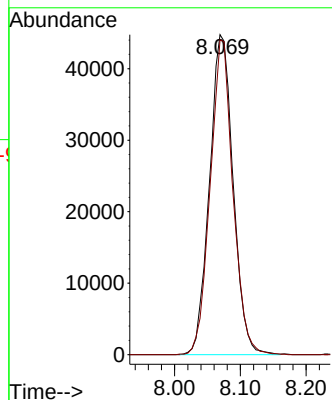
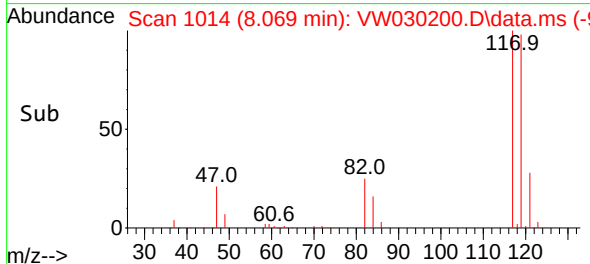
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Tgt Ion:117 Resp: 112014
Ion Ratio Lower Upper
117 100
119 94.8 76.2 114.4

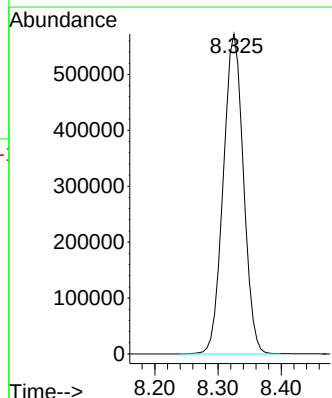
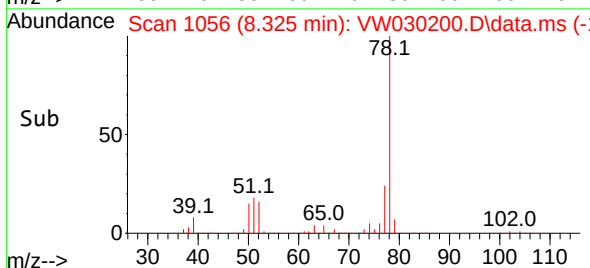
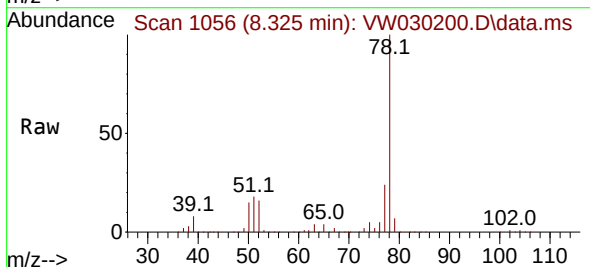
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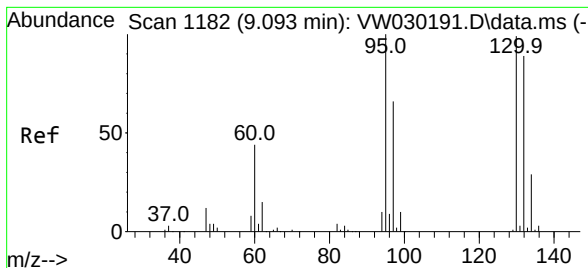
Reviewed By :Romaben Patel 09/25/2024
Supervised By :Mahesh Dadoda 09/25/2024



#33
Benzene
Concen: 68.051 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

Tgt Ion: 78 Resp: 1268376





#34

Trichloroethene

Concen: 100.879 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW030200.D

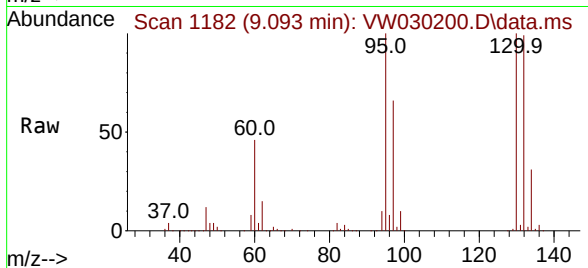
Acq: 23 Sep 2024 15:18

Instrument :

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ClientSampleId :

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Tgt Ion: 95 Resp: 50757

Ion Ratio Lower Upper

95 100

97 66.4 45.2 84.0

132 99.6 64.8 120.3

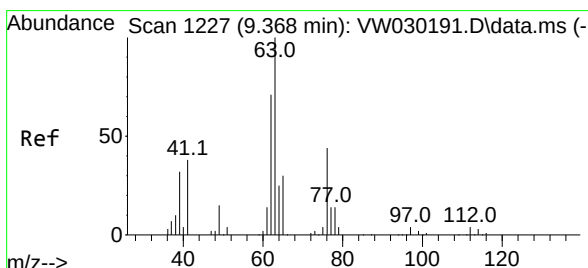
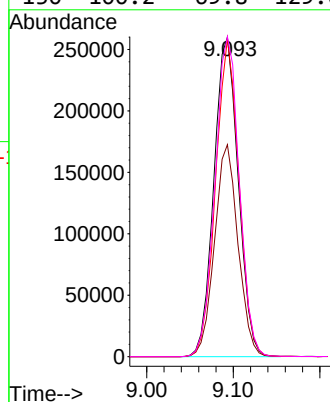
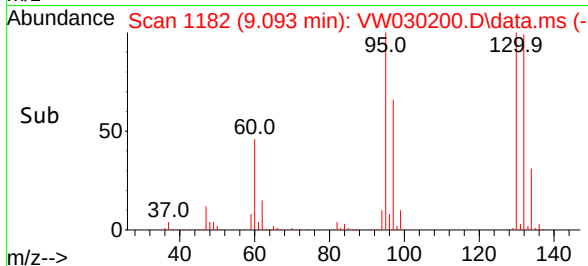
130 100.2 69.8 129.6

Manual Integrations

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Supervised By :Mahesh Dadoda 09/25/2024



#37

1,2-Dichloropropane

Concen: 36.067 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW030200.D

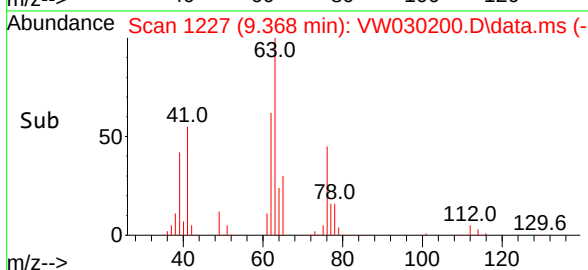
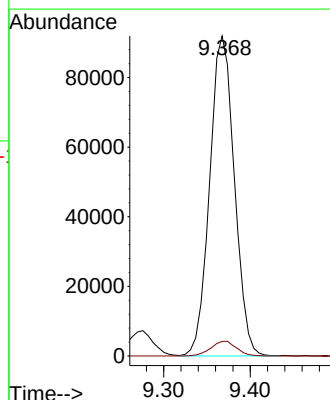
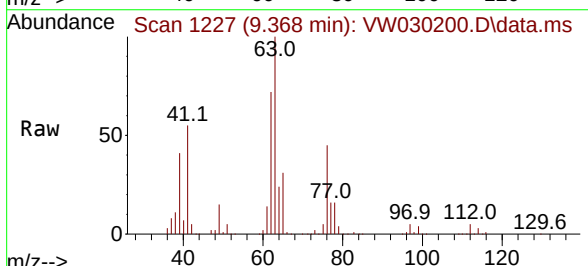
Acq: 23 Sep 2024 15:18

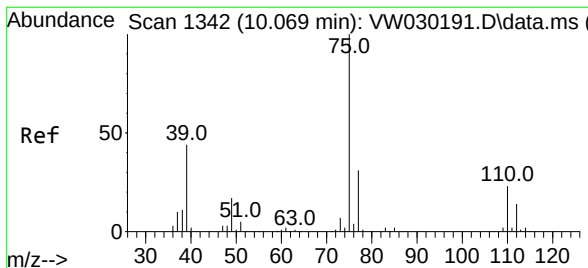
Tgt Ion: 63 Resp: 182205

Ion Ratio Lower Upper

63 100

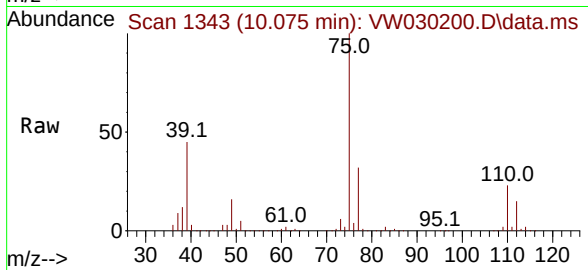
112 4.8 3.5 5.3





#39
cis-1,3-Dichloropropene
Concen: 66.151 ug/L
RT: 10.075 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

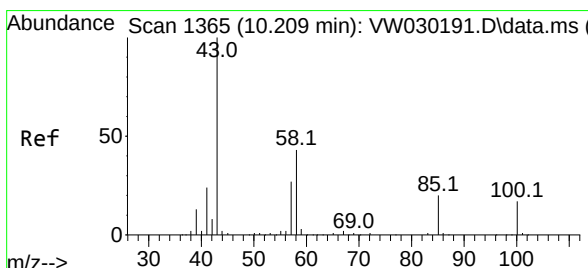
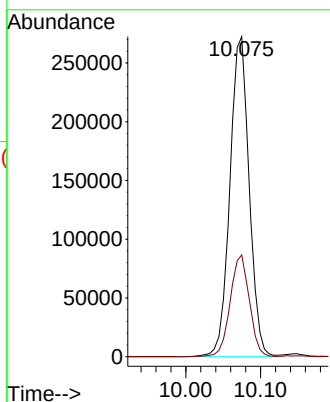
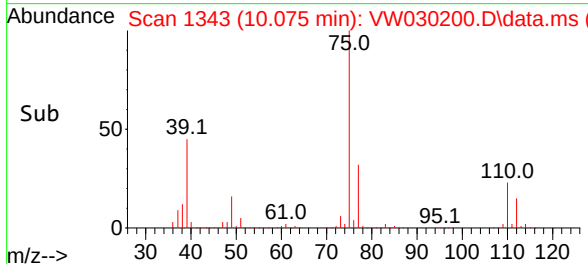
Instrument :
MSVOA_W
ClientSampleId :
A4E63



Tgt Ion: 75 Resp: 488886
Ion Ratio Lower Upper
75 100
77 31.8 20.7 38.5

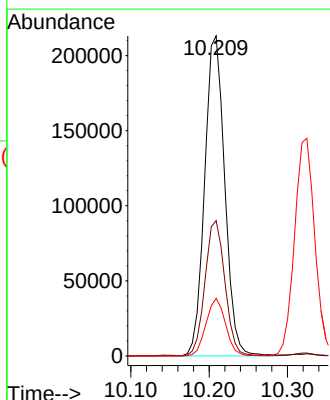
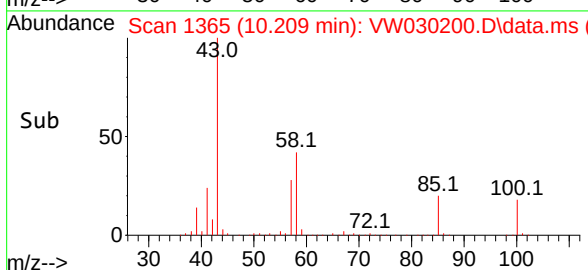
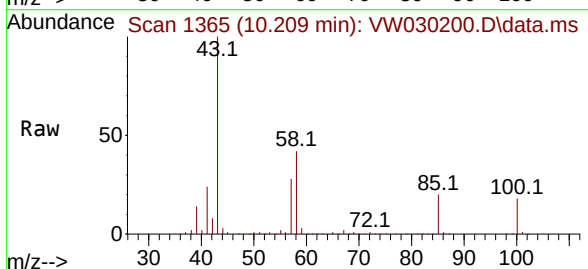
Manual Integrations
APPROVED

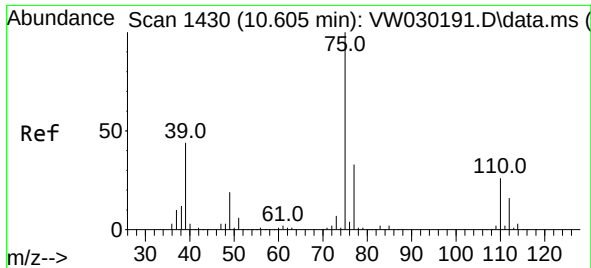
Reviewed By :Romaben Patel 09/25/2024
Supervised By :Mahesh Dadoda 09/25/2024



#40
4-Methyl-2-pentanone
Concen: 146.938 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

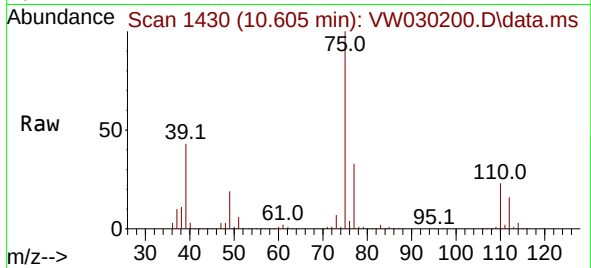
Tgt Ion: 43 Resp: 379297
Ion Ratio Lower Upper
43 100
58 42.1 32.7 49.1
100 17.6 12.7 19.1





#44
trans-1,3-Dichloropropene
Concen: 74.441 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

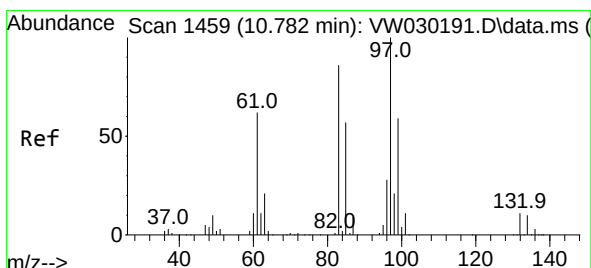
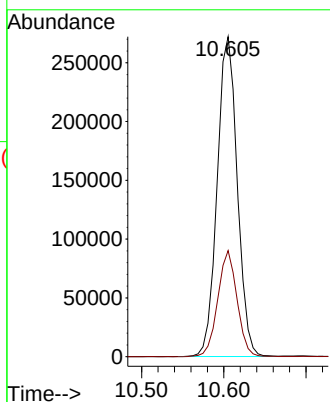
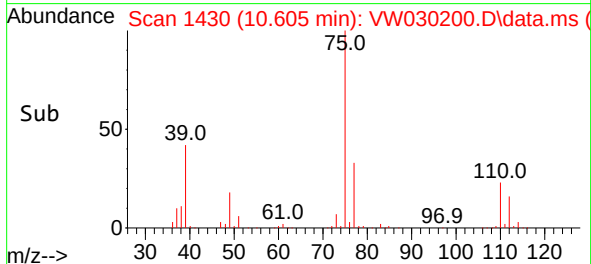
Instrument :
MSVOA_W
ClientSampleId :
A4E63



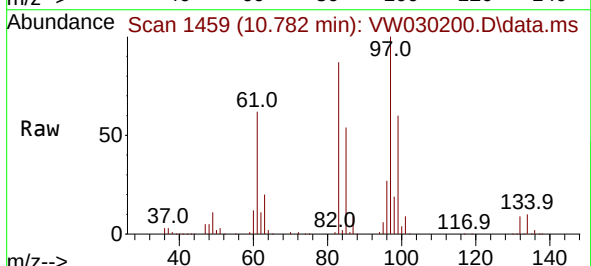
Tgt Ion: 75 Resp: 46279
Ion Ratio Lower Upper
75 100
77 33.1 21.2 39.4

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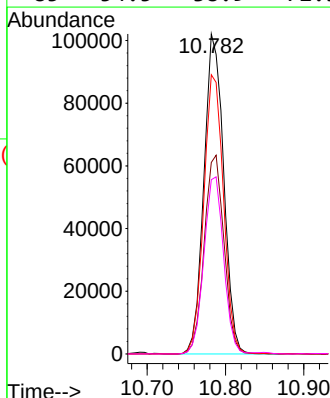
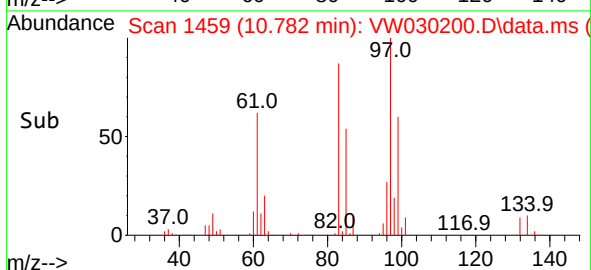
Reviewed By :Romaben Patel 09/25/2024
Supervised By :Mahesh Dadoda 09/25/2024

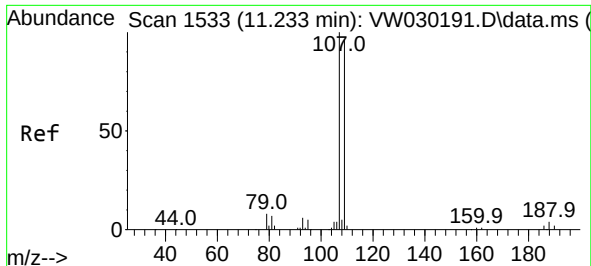


#45
1,1,2-Trichloroethane
Concen: 48.633 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18



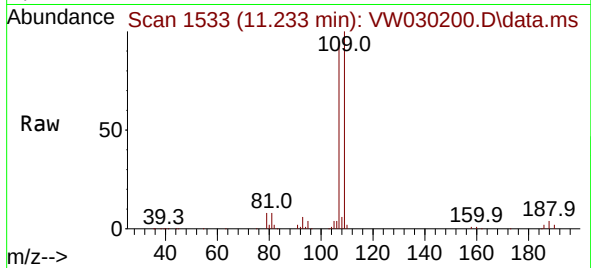
Tgt Ion: 97 Resp: 178774
Ion Ratio Lower Upper
97 100
99 59.8 45.6 84.8
83 87.3 64.0 119.0
85 54.5 38.9 72.3





#50
1,2-Dibromoethane
Concen: 46.793 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

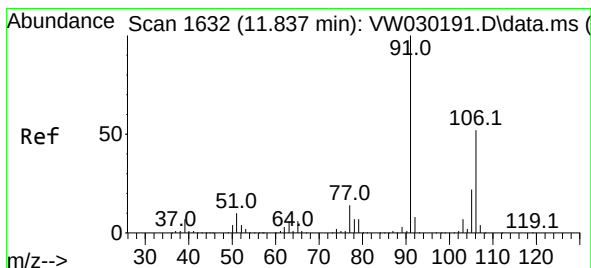
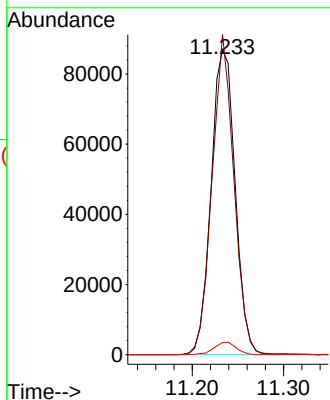
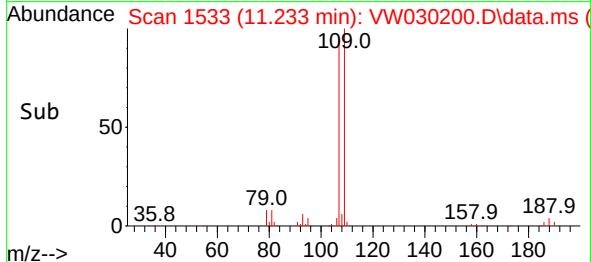
Instrument :
MSVOA_W
ClientSampleId :
A4E63



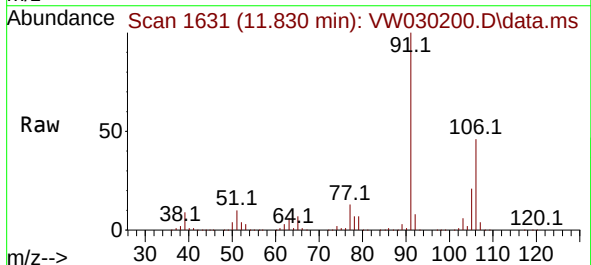
Tgt Ion:107 Resp: 158600
Ion Ratio Lower Upper
107 100
109 105.0 68.7 127.7
188 4.0 2.6 4.0

Manual Integrations
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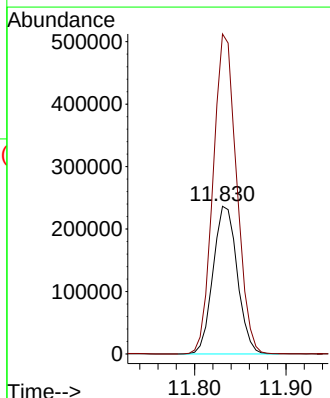
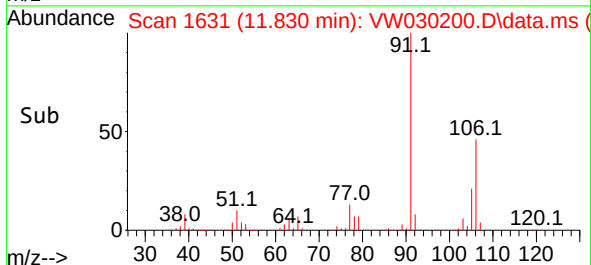
Reviewed By :Romaben Patel 09/25/2024
Supervised By :Mahesh Dadoda 09/25/2024

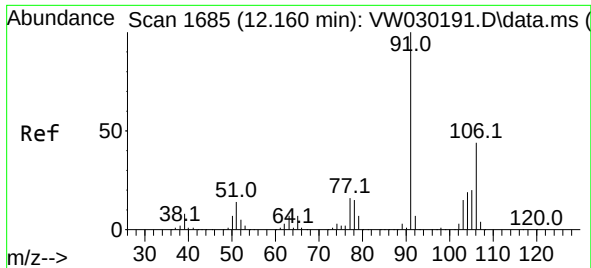


#53
m,p-Xylene
Concen: 52.084 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18



Tgt Ion:106 Resp: 435056
Ion Ratio Lower Upper
106 100
91 216.8 152.9 283.9





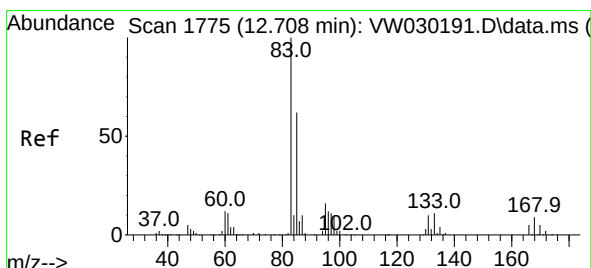
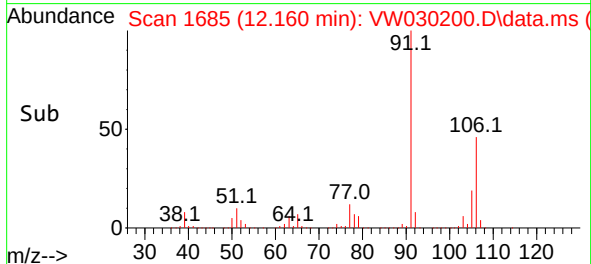
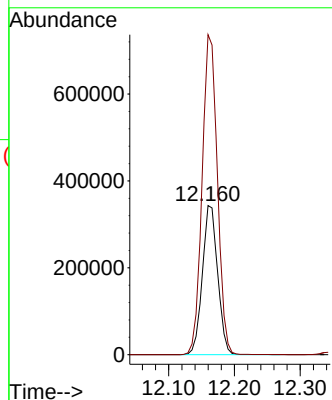
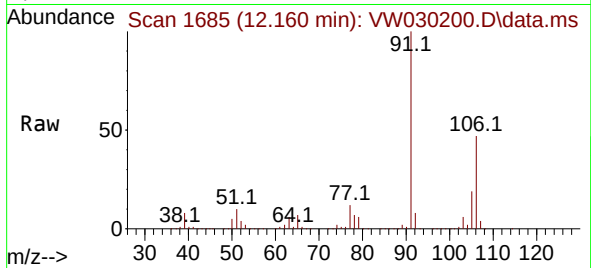
#54
o-Xylene
Concen: 70.565 ug/L
RT: 12.160 min Scan# 110
Delta R.T. -0.000 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

Instrument :
MSVOA_W
ClientSampleId :
A4E63

Tgt Ion:106 Resp: 554659
Ion Ratio Lower Upper
106 100
91 214.6 158.1 293.7

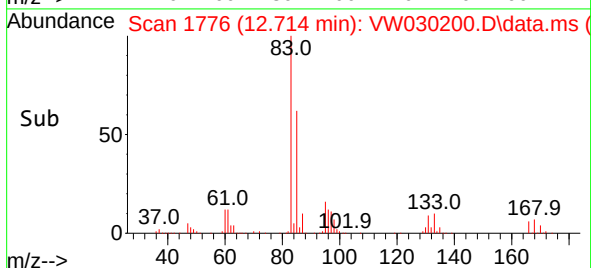
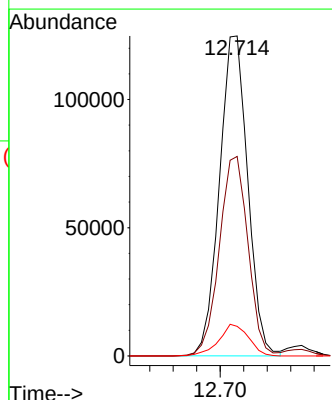
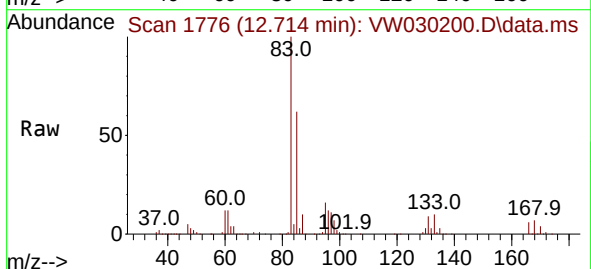
Manual Integrations
APPROVED

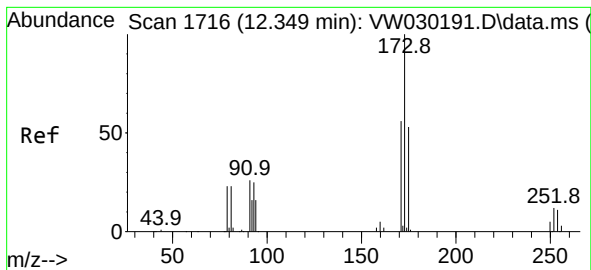
Reviewed By :Romaben Patel 09/25/2024
Supervised By :Mahesh Dadoda 09/25/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 47.592 ug/L
RT: 12.714 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

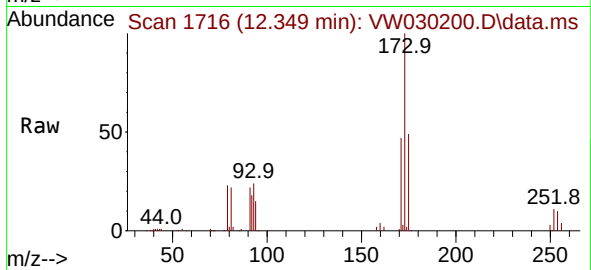
Tgt Ion: 83 Resp: 208817
Ion Ratio Lower Upper
83 100
85 62.4 44.5 82.7
131 9.3 7.4 11.2





#59
Bromoform
Concen: 17.363 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

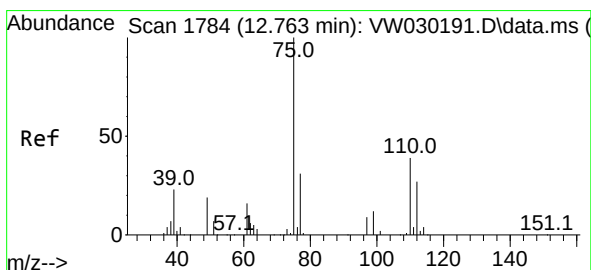
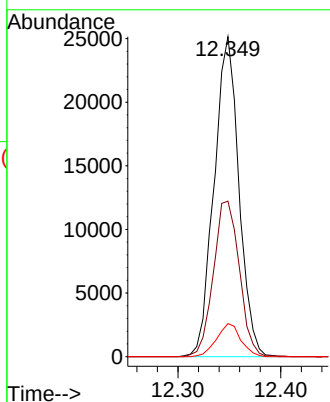
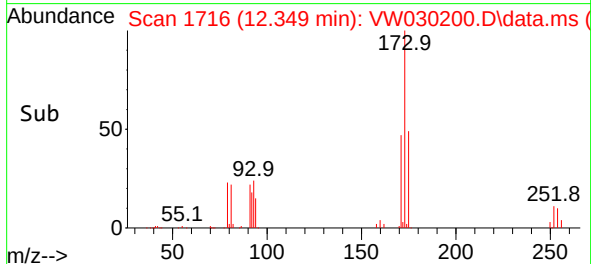
Instrument :
MSVOA_W
ClientSampleId :
A4E63



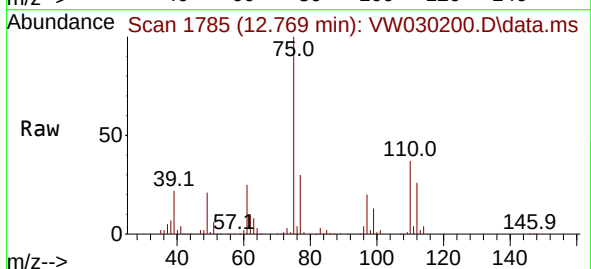
Tgt Ion:173 Resp: 42160
Ion Ratio Lower Upper
173 100
175 50.6 38.6 57.8
254 10.1 7.7 11.5

Manual Integrations
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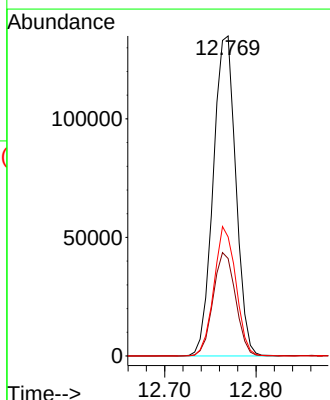
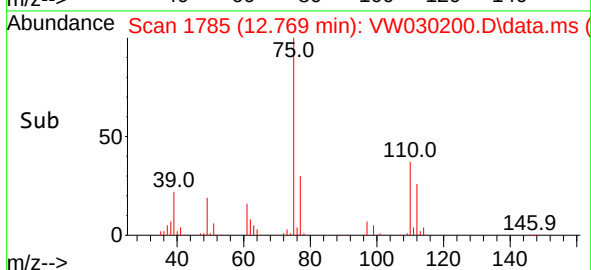
Reviewed By :Romaben Patel 09/25/2024
Supervised By :Mahesh Dadoda 09/25/2024

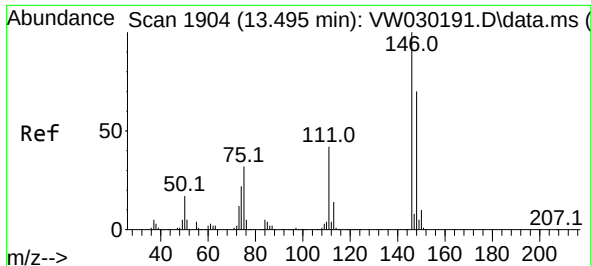


#61
1,2,3-Trichloropropane
Concen: 72.694 ug/L
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18



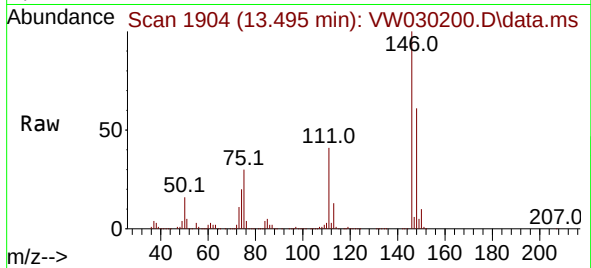
Tgt Ion: 75 Resp: 232047
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2
110 39.2 29.7 44.5





#64
1,3-Dichlorobenzene
Concen: 41.926 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

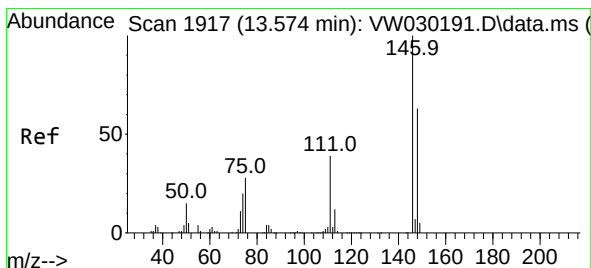
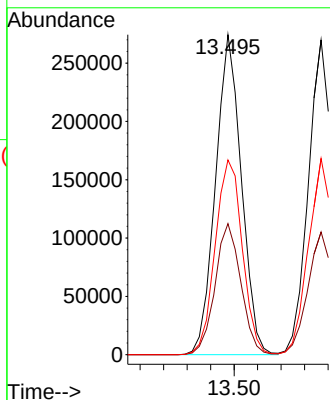
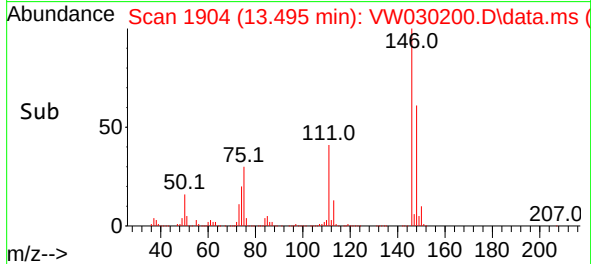
Instrument :
MSVOA_W
ClientSampleId :
A4E63



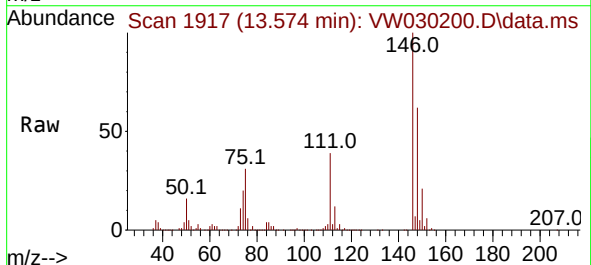
Tgt Ion:146 Resp: 41978
Ion Ratio Lower Upper
146 100
111 40.9 31.9 59.3
148 60.9 47.7 88.5

Manual Integrations
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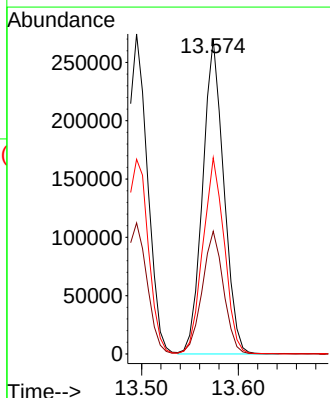
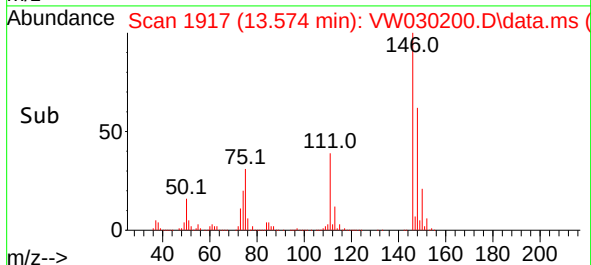
Reviewed By :Romaben Patel 09/25/2024
Supervised By :Mahesh Dadoda 09/25/2024

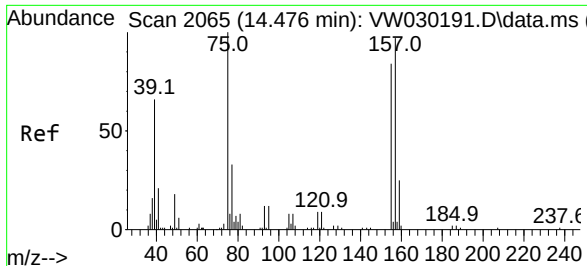


#65
1,4-Dichlorobenzene
Concen: 39.624 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18



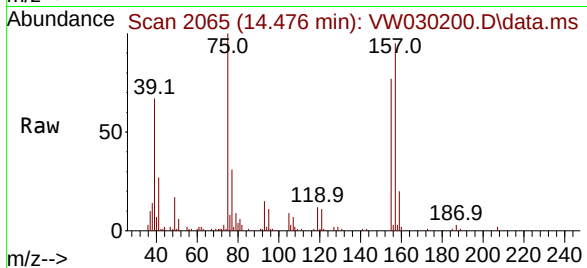
Tgt Ion:146 Resp: 409878
Ion Ratio Lower Upper
146 100
111 39.0 29.5 54.7
148 62.3 44.4 82.5





#68
1,2-Dibromo-3-chloropropane
Concen: 21.971 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18

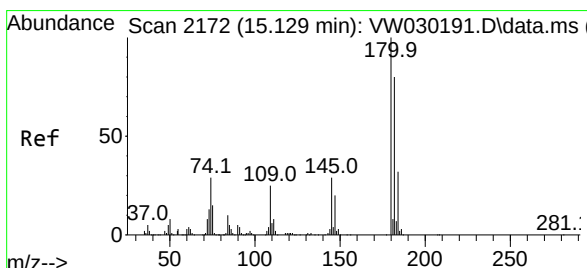
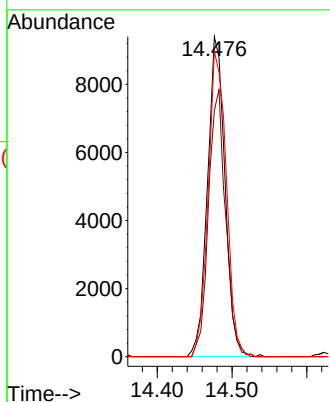
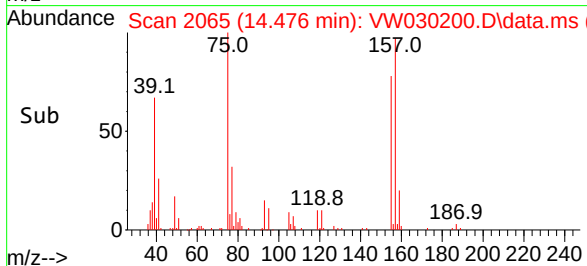
Instrument :
MSVOA_W
ClientSampleId :
A4E63



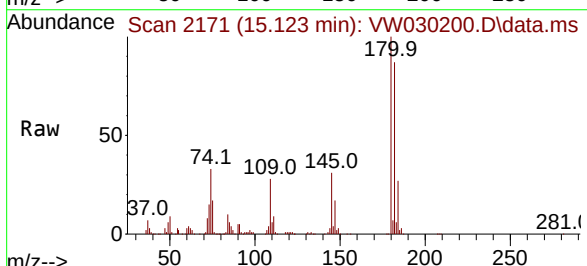
Tgt Ion: 75 Resp: 15290
Ion Ratio Lower Upper
75 100
155 76.9 60.5 90.7
157 95.5 66.9 100.3

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 09/25/2024
Supervised By :Mahesh Dadoda 09/25/2024



#70
1,2,4-trichlorobenzene
Concen: 22.169 ug/L
RT: 15.123 min Scan# 2171
Delta R.T. -0.006 min
Lab File: VW030200.D
Acq: 23 Sep 2024 15:18



Tgt Ion:180 Resp: 125501
Ion Ratio Lower Upper
180 100
182 96.8 73.4 110.2
145 31.7 24.0 36.0

