

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102224\
 Data File : VW030696.D
 Acq On : 22 Oct 2024 12:04
 Operator : SY/MD
 Sample : P4415-01DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E90DL

Manual Integrations
 APPROVED

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

Quant Time: Oct 23 01:36:26 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	258734	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	235352	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	115259	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	60000	14.753	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.000%
7) Chloroethane-d5	2.899	69	54797	17.800	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.200%
11) 1,1-Dichloroethene-d2	4.021	65	26381	15.596	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.400%
21) 2-Butanone-d5	7.075	46	32780	44.788	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.580%
24) Chloroform-d	7.654	84	157219	21.248	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.000%
26) 1,2-Dichloroethane-d4	8.307	65	75597m	19.648	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.600%
32) Benzene-d6	8.276	84	249425	18.260	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	73.040%
36) 1,2-Dichloropropane-d6	9.276	67	81349	20.290	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.160%
41) Toluene-d8	10.325	98	238225	19.104	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.400%
43) trans-1,3-Dichloroprop...	10.575	79	31496	18.761	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.040%
47) 2-Hexanone-d5	10.922	63	24351	47.156	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.320%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	67141	22.803	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.200%
66) 1,2-Dichlorobenzene-d4	13.848	152	80151	20.552	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.200%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.051	96	75123m	21.641	ug/L	
13) Acetone	4.119	43	29615	27.639	ug/L	96
16) Methylene chloride	4.917	84	162037	41.426	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	58436	15.601	ug/L	94
18) Methyl tert-butyl Ether	5.429	73	117094	22.336	ug/L	100
19) 1,1-Dichloroethane	6.216	63	323217	46.427	ug/L	98
22) 2-Butanone	7.167	43	107545	93.112	ug/L	95
25) Chloroform	7.679	83	350334	47.090	ug/L	99
31) Carbon tetrachloride	8.069	117	47539	8.519	ug/L	96
33) Benzene	8.325	78	530428	34.633	ug/L	100
34) Trichloroethene	9.087	95	210669	49.442	ug/L	92
37) 1,2-Dichloropropane	9.368	63	74906	19.582	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	184345	31.950	ug/L	96
40) 4-Methyl-2-pentanone	10.209	43	143555	78.119	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	177978	36.708	ug/L	97
45) 1,1,2-Trichloroethane	10.788	97	71146	25.735	ug/L	98
50) 1,2-Dibromoethane	11.233	107	60826	23.579	ug/L	97
53) m,p-Xylene	11.837	106	173807	24.883	ug/L	98
54) o-Xylene	12.160	106	218504	33.836	ug/L	87

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.708	83	81155	26.032	ug/L	94
59) Bromoform	12.349	173	15449	9.540	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	88729	39.561	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	156588	20.155	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	159672	19.904	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.476	75	6051	12.100	ug/L	92
70) 1,2,4-trichlorobenzene	15.123	180	43788	10.617	ug/L	98

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

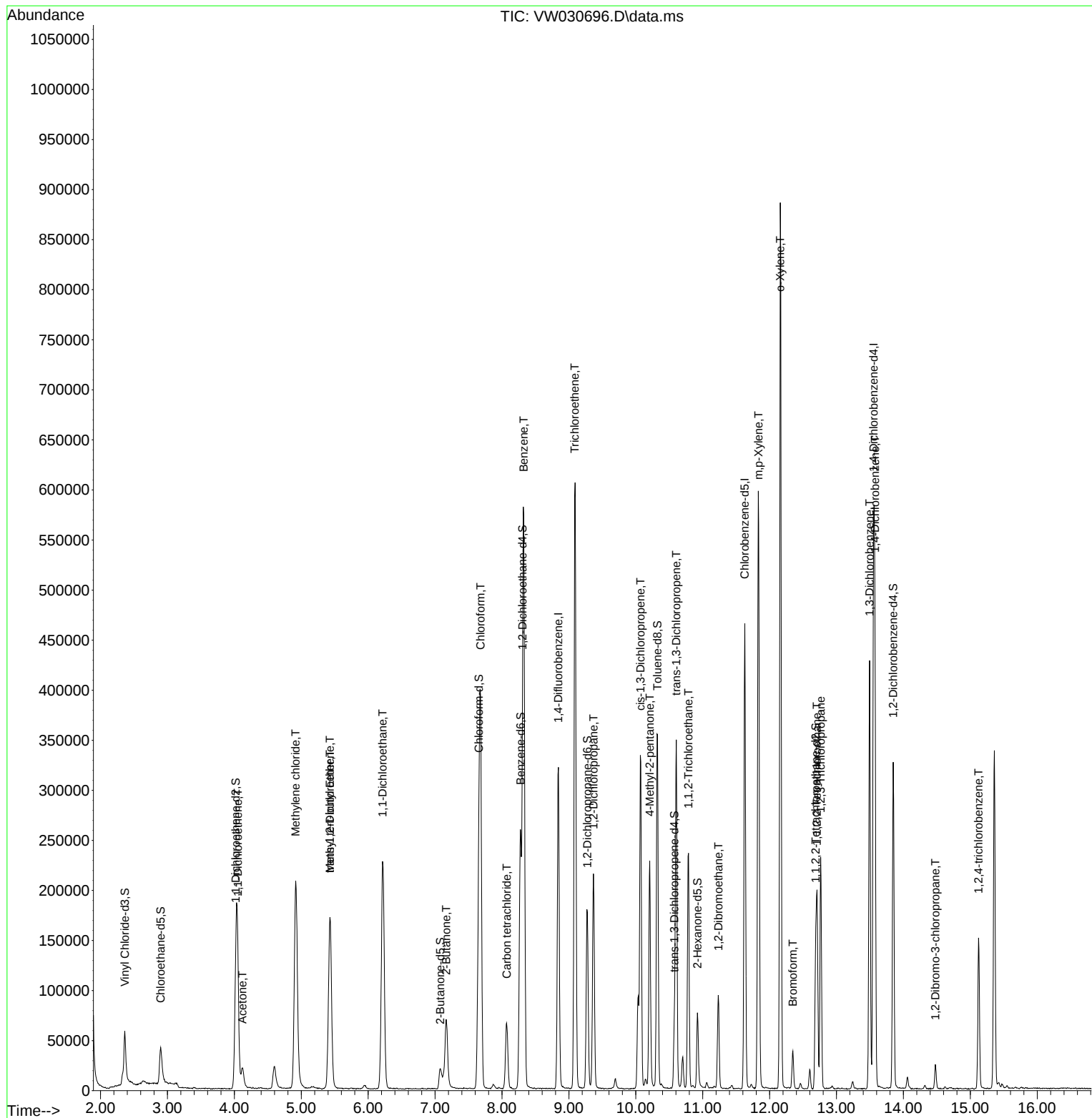
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102224\
Data File : VW030696.D
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Operator : SY/MD
Sample : P4415-01DL 2X
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

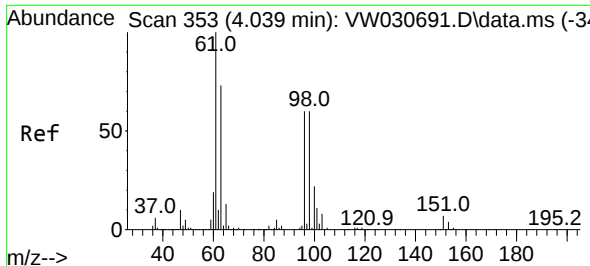
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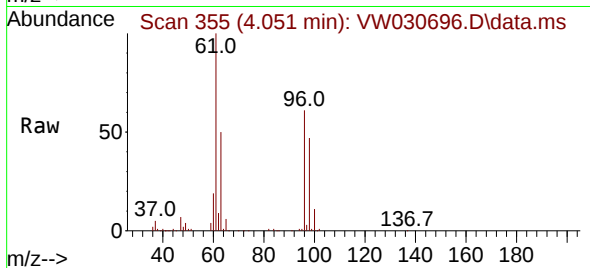
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024





#12
1,1-Dichloroethene
Concen: 21.641 ug/L m
RT: 4.051 min Scan# 353
Delta R.T. 0.012 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

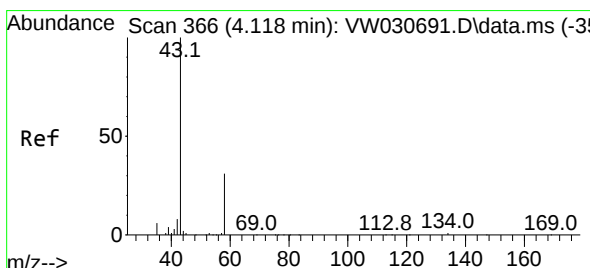
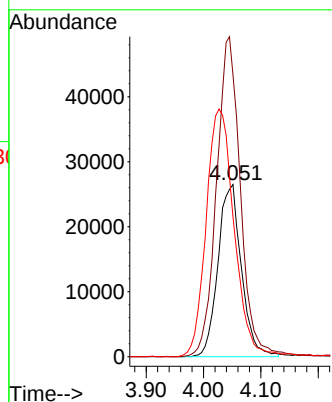
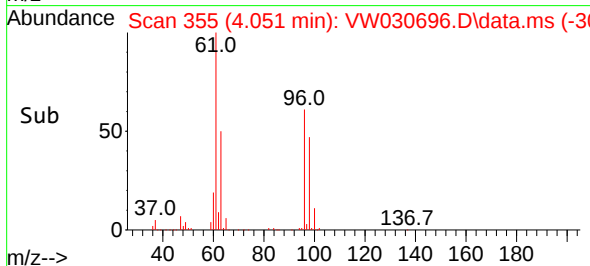
Instrument :
MSVOA_W
ClientSampleId :
A4E90DL



Tgt Ion: 96 Resp: 7512
Ion Ratio Lower Upper
96 100
61 163.5 121.3 225.3
63 81.0 87.6 162.8

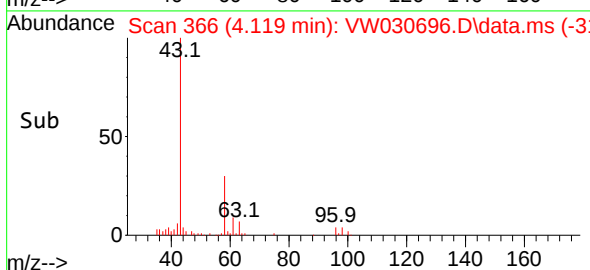
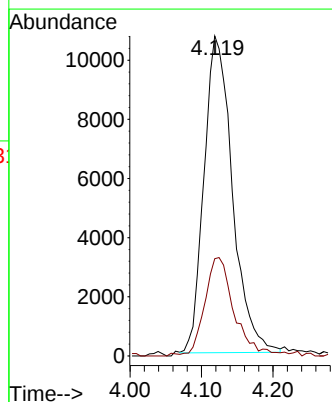
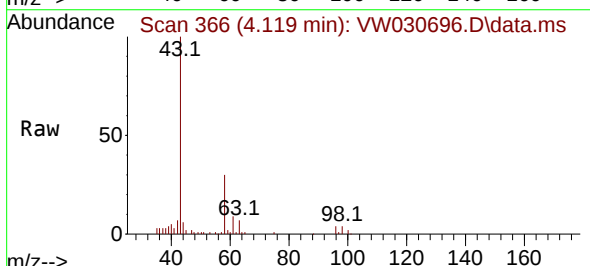
Manual Integrations
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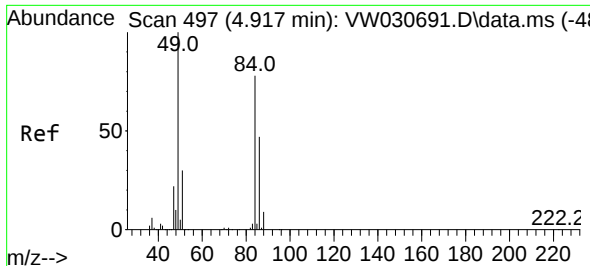
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#13
Acetone
Concen: 27.639 ug/L
RT: 4.119 min Scan# 366
Delta R.T. 0.000 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

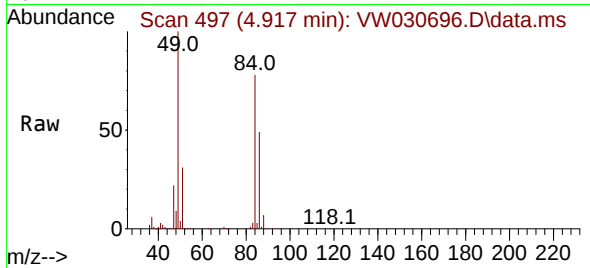
Tgt Ion: 43 Resp: 29615
Ion Ratio Lower Upper
43 100
58 30.8 0.0 57.6





#16
Methylene chloride
Concen: 41.426 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

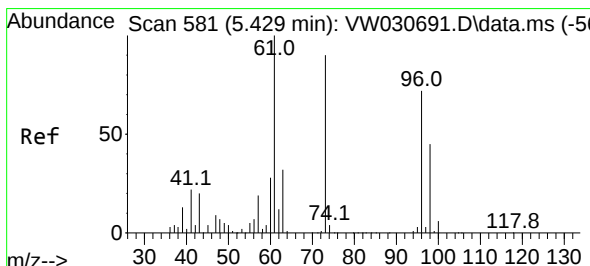
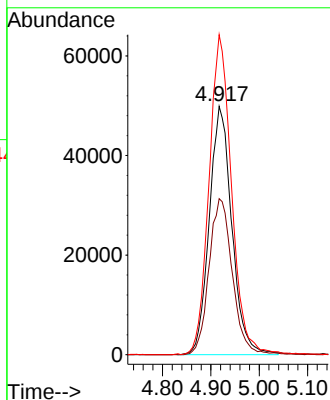
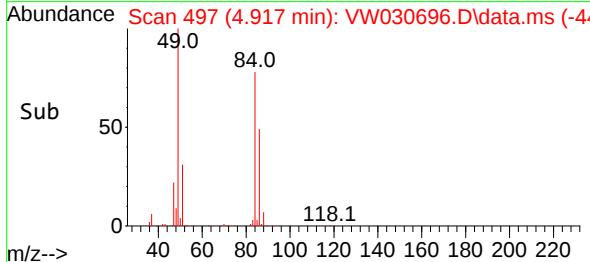
Instrument :
MSVOA_W
ClientSampleId :
A4E90DL



Tgt Ion: 84 Resp: 16203
Ion Ratio Lower Upper
84 100
86 62.8 43.8 81.3
49 128.8 88.3 164.1

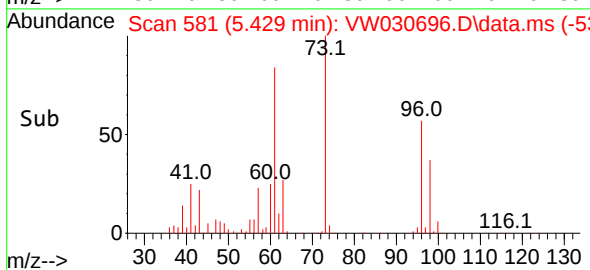
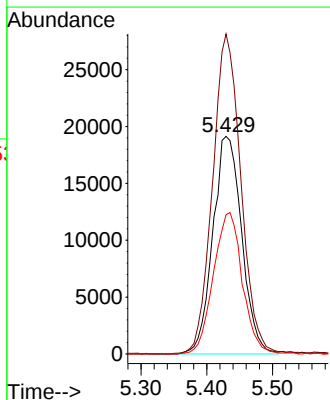
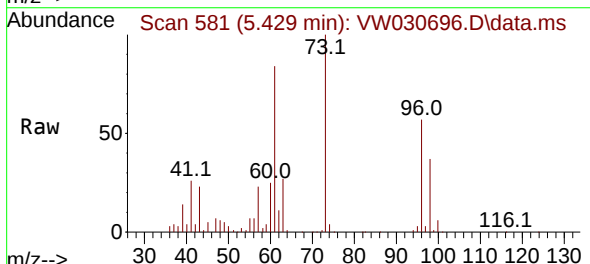
Manual Integrations
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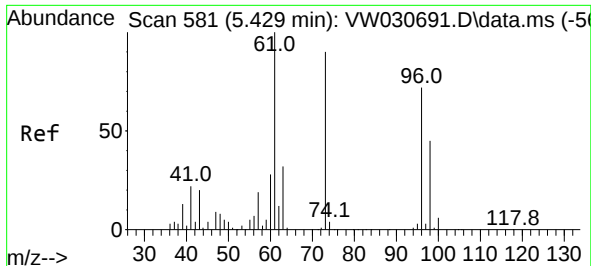
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#17
trans-1,2-Dichloroethene
Concen: 15.601 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

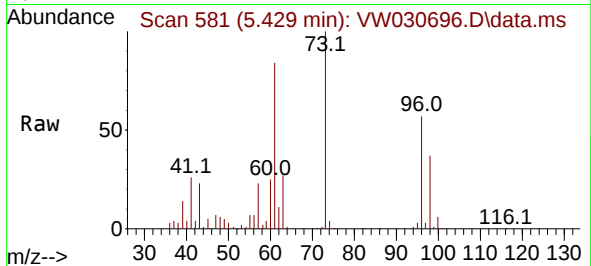
Tgt Ion: 96 Resp: 58436
Ion Ratio Lower Upper
96 100
61 147.1 96.9 179.9
98 64.0 42.2 78.4





#18
Methyl tert-butyl Ether
Concen: 22.336 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

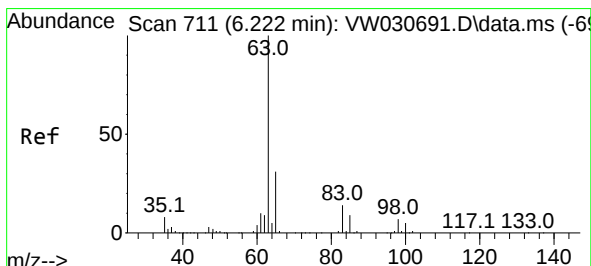
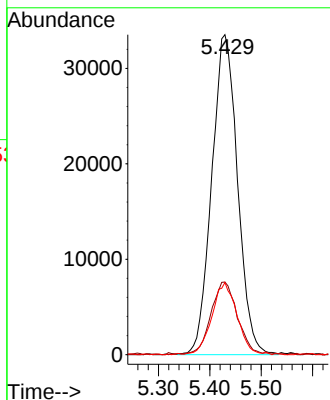
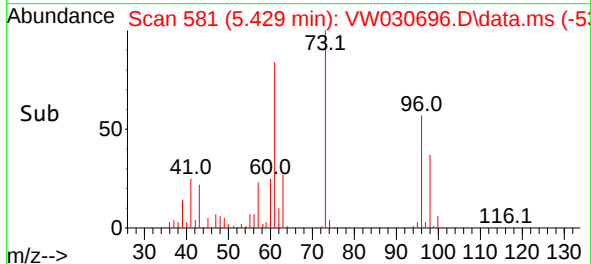
Instrument :
MSVOA_W
Client Sample Id :
A4E90DL



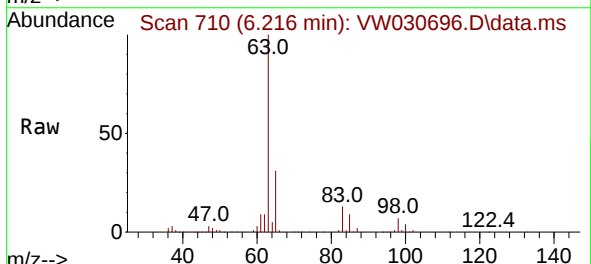
Tgt Ion: 73 Resp: 117094
Ion Ratio Lower Upper
73 100
43 22.4 18.1 27.1
57 21.8 17.7 26.5

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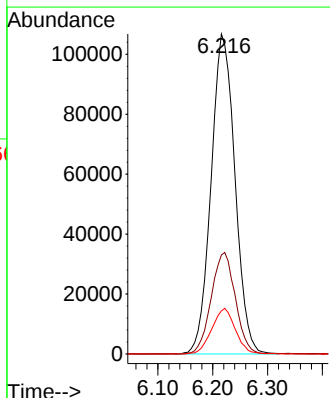
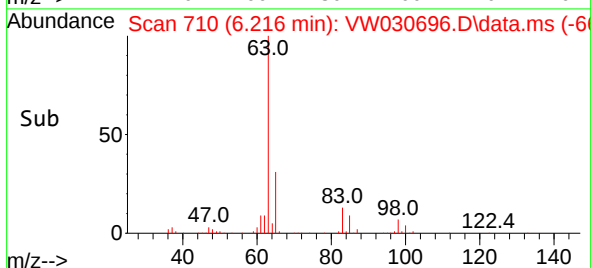
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

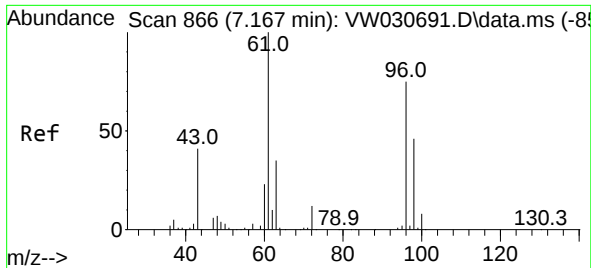


#19
1,1-Dichloroethane
Concen: 46.427 ug/L
RT: 6.216 min Scan# 710
Delta R.T. -0.006 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04



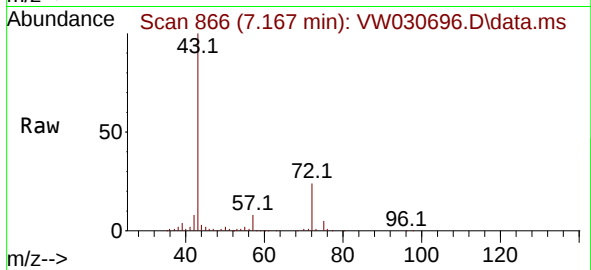
Tgt Ion: 63 Resp: 323217
Ion Ratio Lower Upper
63 100
65 31.0 22.5 41.9
83 13.4 9.8 18.2





#22
2-Butanone
Concen: 93.112 ug/L
RT: 7.167 min Scan# 80
Delta R.T. 0.000 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

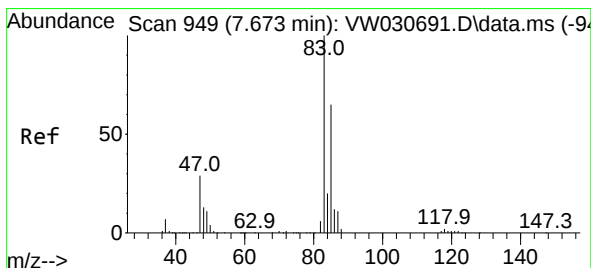
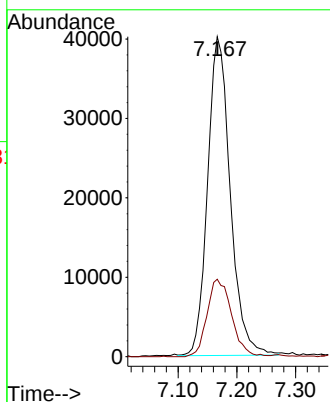
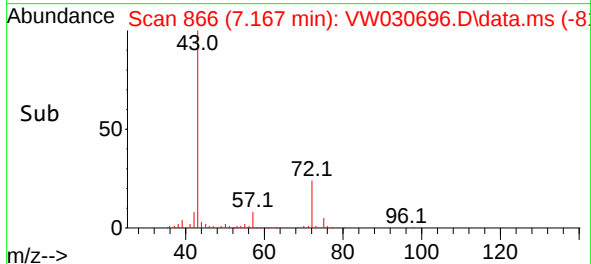
Instrument :
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ClientSampleId :
A4E90DL



Tgt Ion: 43 Resp: 10754
Ion Ratio Lower Upper
43 100
72 26.1 14.4 43.0

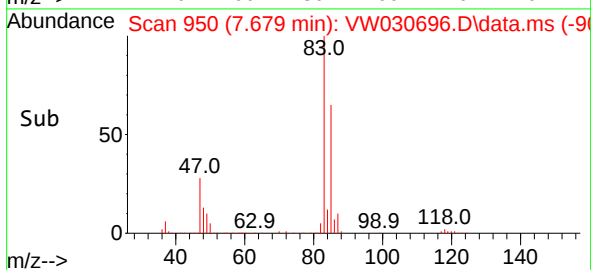
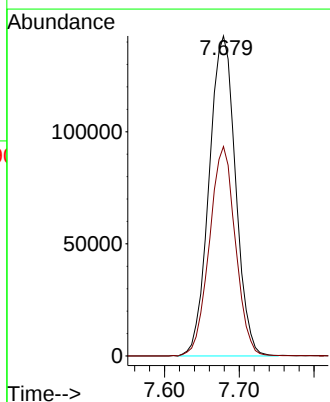
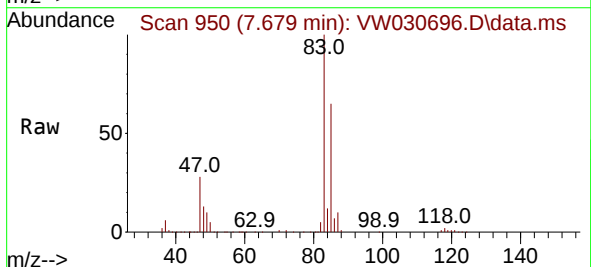
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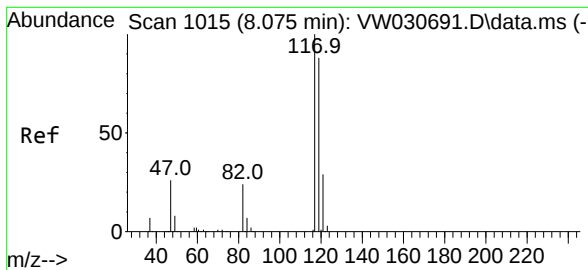
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#25
Chloroform
Concen: 47.090 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

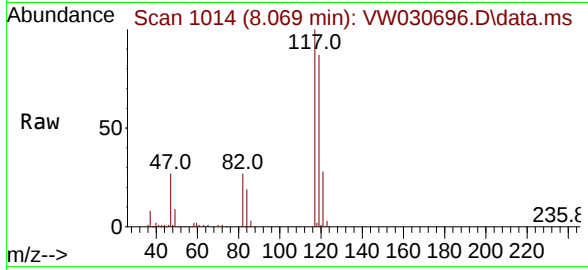
Tgt Ion: 83 Resp: 350334
Ion Ratio Lower Upper
83 100
85 65.5 45.1 83.7





#31
Carbon tetrachloride
Concen: 8.519 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.006 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

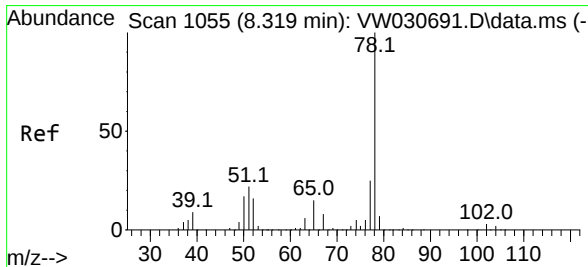
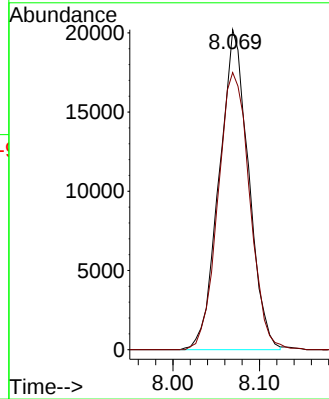
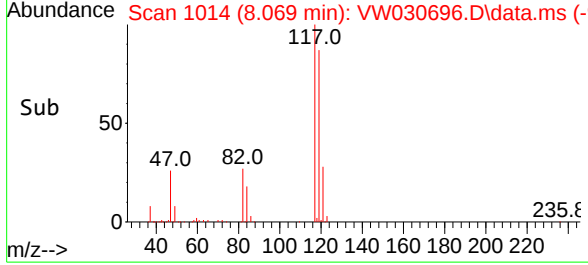
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Tgt Ion:117 Resp: 47539
Ion Ratio Lower Upper
117 100
119 93.4 77.8 116.8

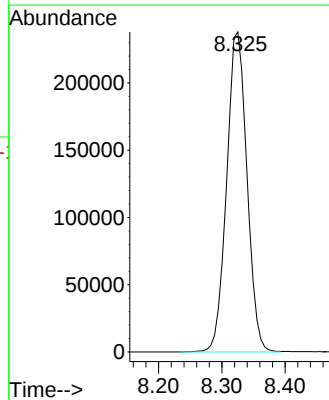
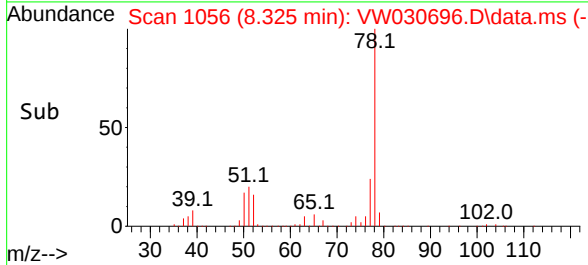
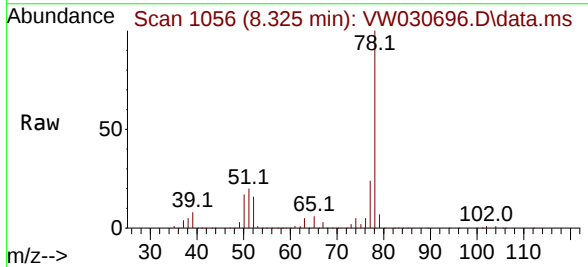
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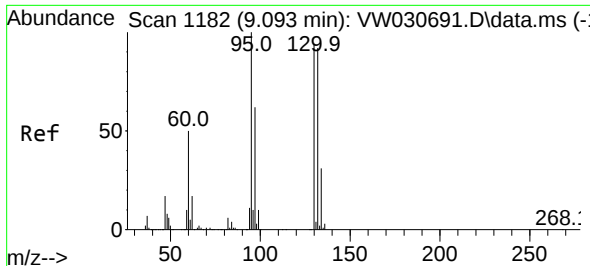
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#33
Benzene
Concen: 34.633 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

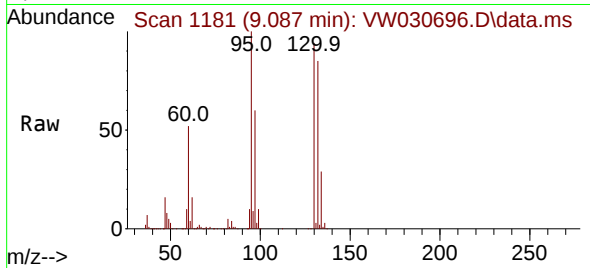
Tgt Ion: 78 Resp: 530428





#34
Trichloroethene
Concen: 49.442 ug/L
RT: 9.087 min Scan# 1181
Delta R.T. -0.006 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

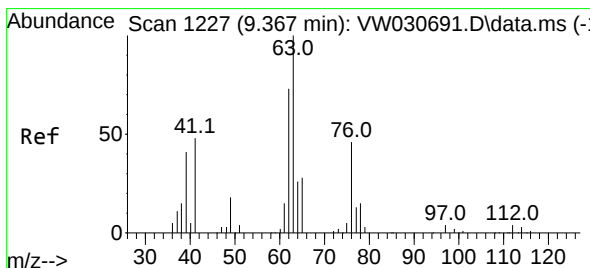
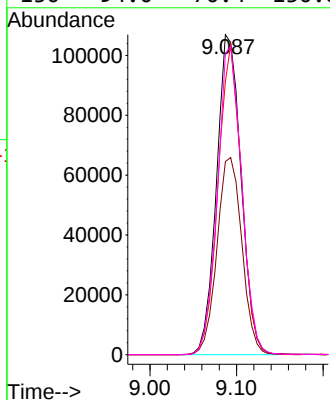
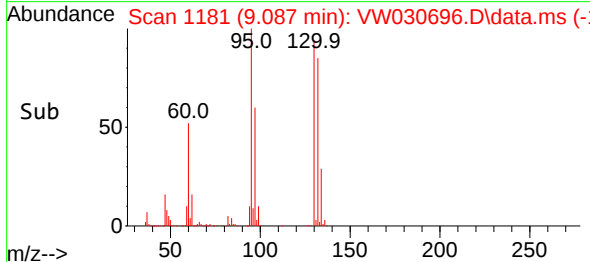
Instrument :
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Tgt Ion: 95 Resp: 210669
Ion Ratio Lower Upper
95 100
97 60.3 45.9 85.3
132 85.4 66.4 123.2
130 94.0 70.4 130.8

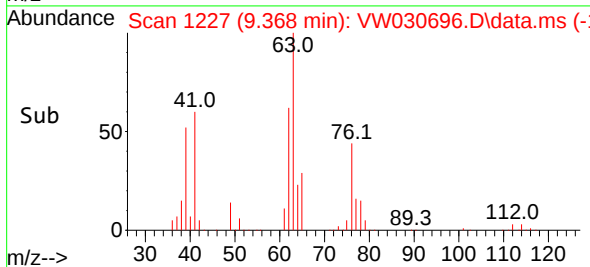
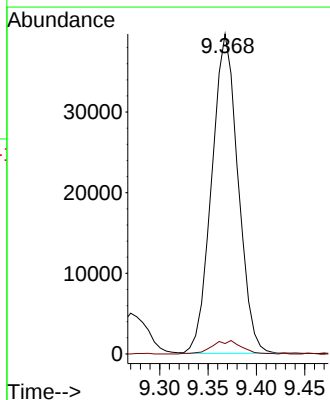
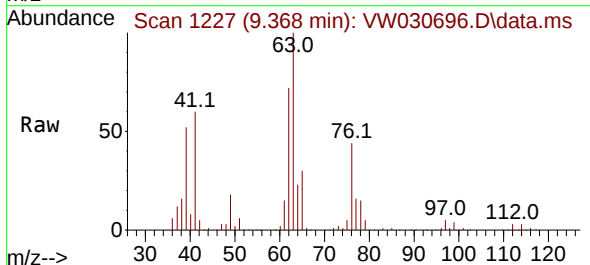
Manual Integrations
APPROVED

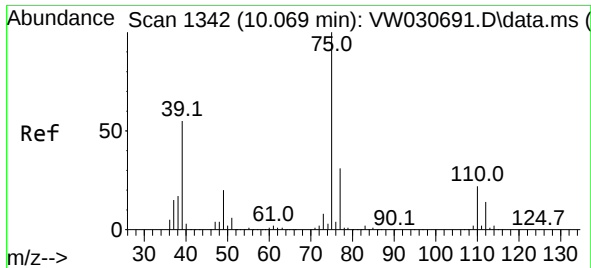
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#37
1,2-Dichloropropane
Concen: 19.582 ug/L
RT: 9.368 min Scan# 1227
Delta R.T. 0.000 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

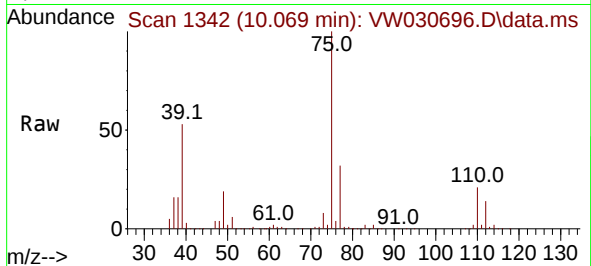
Tgt Ion: 63 Resp: 74906
Ion Ratio Lower Upper
63 100
112 4.7 3.7 5.5





#39
 cis-1,3-Dichloropropene
 Concen: 31.950 ug/L
 RT: 10.069 min Scan# 1342
 Delta R.T. 0.000 min
 Lab File: VW030696.D
 Acq: 22 Oct 2024 12:04

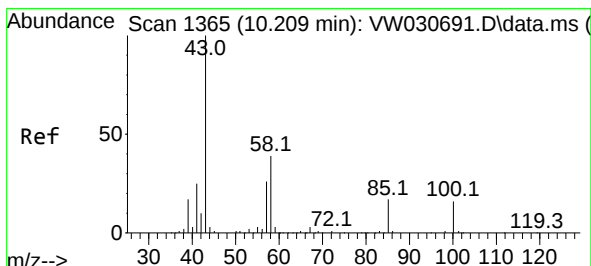
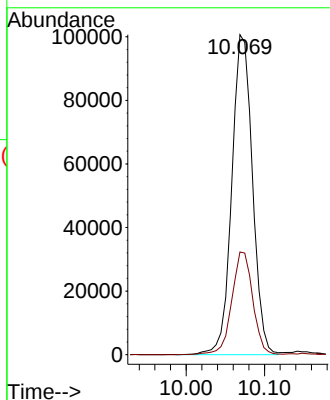
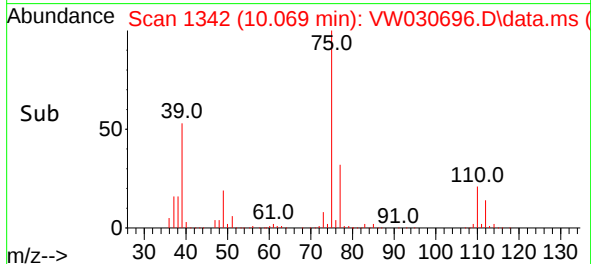
Instrument :
 MSVOA_W
 ClientSampleId :
 A4E90DL



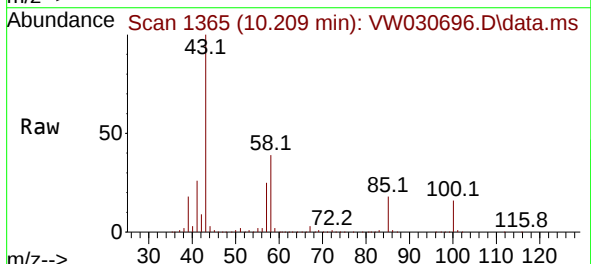
Tgt Ion: 75 Resp: 184345
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.1 39.1

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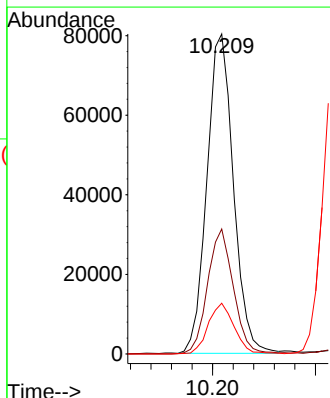
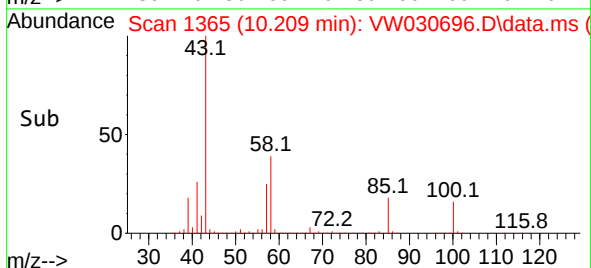
Reviewed By :Romaben Patel 10/23/2024
 Supervised By :Mahesh Dadoda 10/23/2024

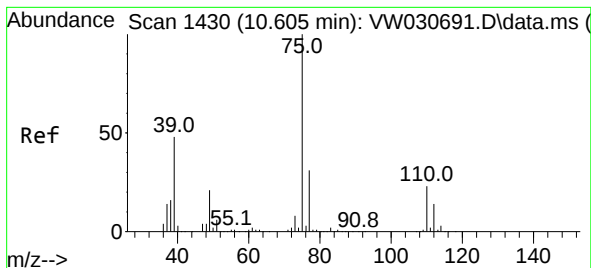


#40
 4-Methyl-2-pentanone
 Concen: 78.119 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. 0.000 min
 Lab File: VW030696.D
 Acq: 22 Oct 2024 12:04



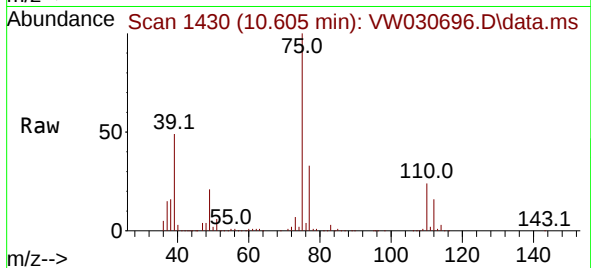
Tgt Ion: 43 Resp: 143555
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.4 47.2
 100 15.2 13.1 19.7





#44
trans-1,3-Dichloropropene
Concen: 36.708 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

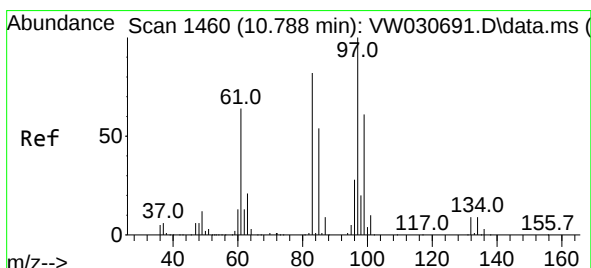
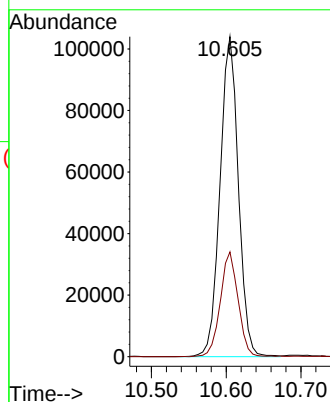
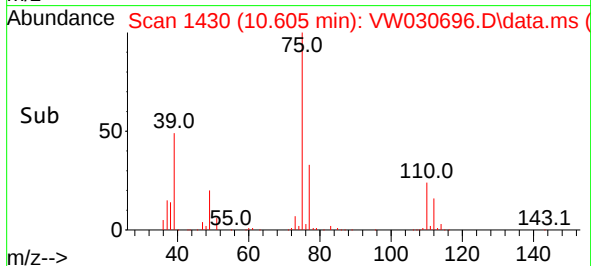
Instrument :
MSVOA_W
ClientSampleId :
A4E90DL



Tgt Ion: 75 Resp: 177978
Ion Ratio Lower Upper
75 100
77 32.7 21.6 40.2

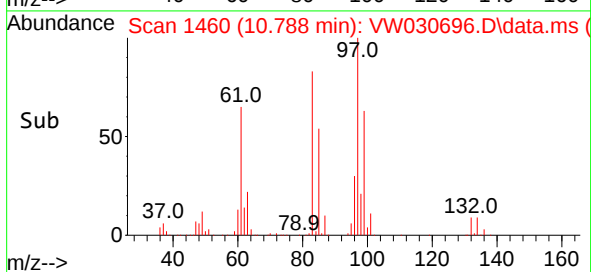
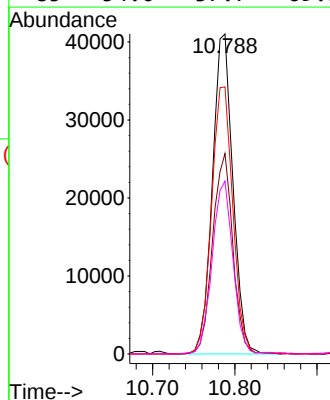
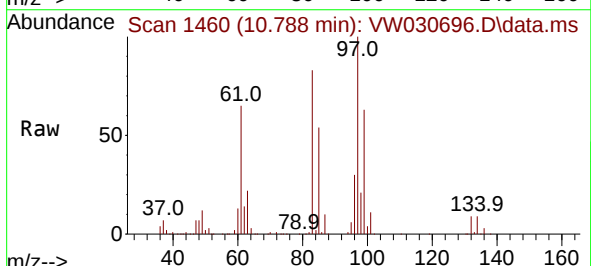
Manual Integrations
APPROVED

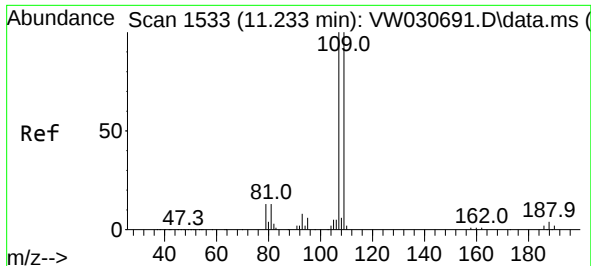
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#45
1,1,2-Trichloroethane
Concen: 25.735 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

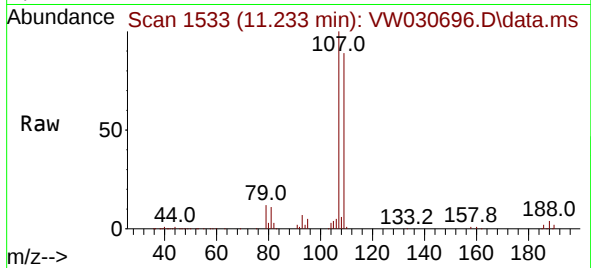
Tgt Ion: 97 Resp: 71146
Ion Ratio Lower Upper
97 100
99 62.7 41.2 76.6
83 83.5 59.6 110.6
85 54.0 37.7 69.9





#50
1,2-Dibromoethane
Concen: 23.579 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

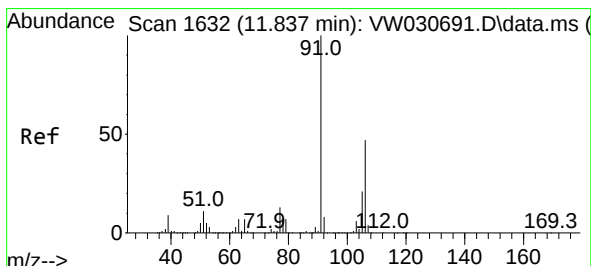
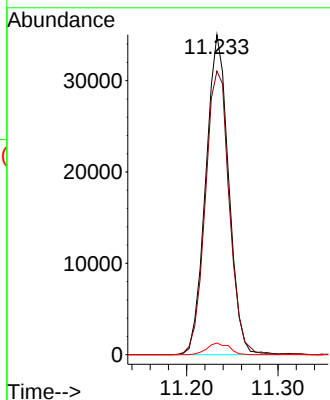
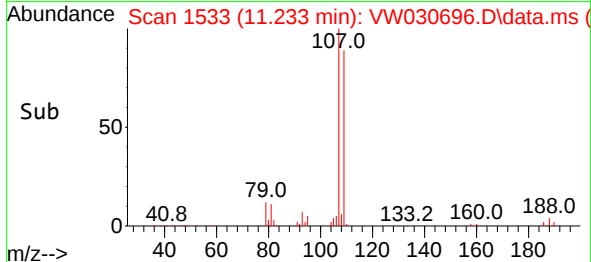
Instrument :
MSVOA_W
ClientSampleId :
A4E90DL



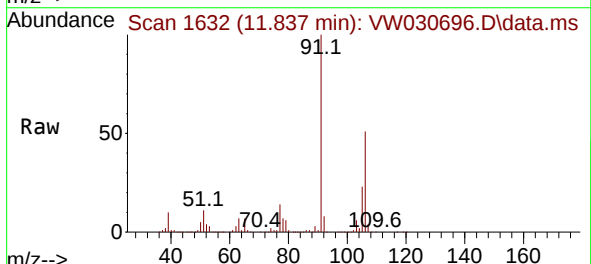
Tgt Ion:107 Resp: 60820
Ion Ratio Lower Upper
107 100
109 88.6 63.8 118.6
188 3.7 2.6 3.8

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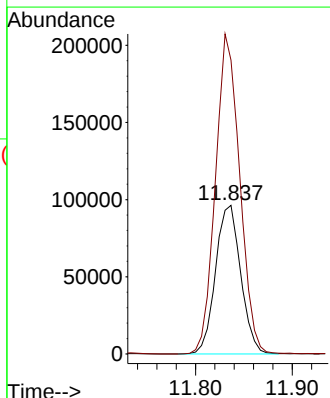
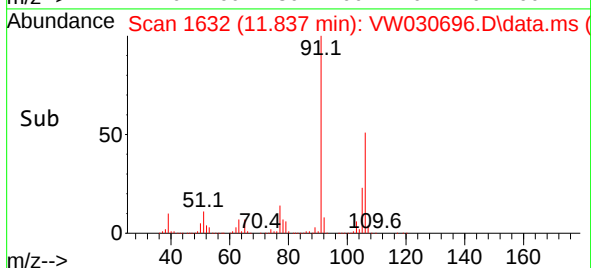
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

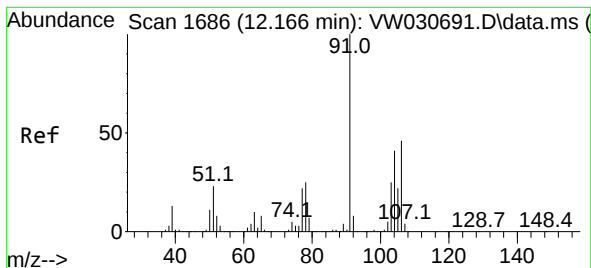


#53
m,p-Xylene
Concen: 24.883 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04



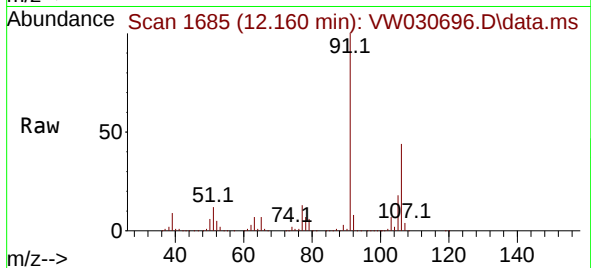
Tgt Ion:106 Resp: 173807
Ion Ratio Lower Upper
106 100
91 197.6 140.6 261.2





#54
o-Xylene
Concen: 33.836 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

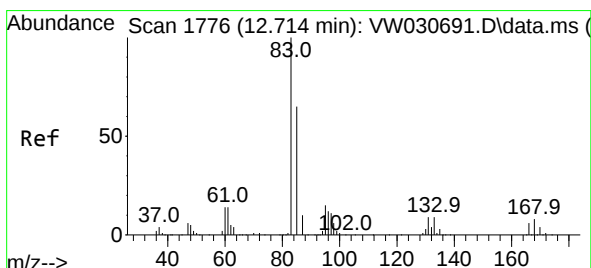
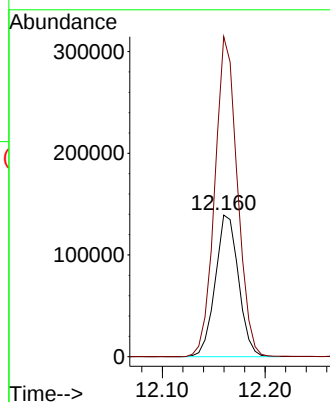
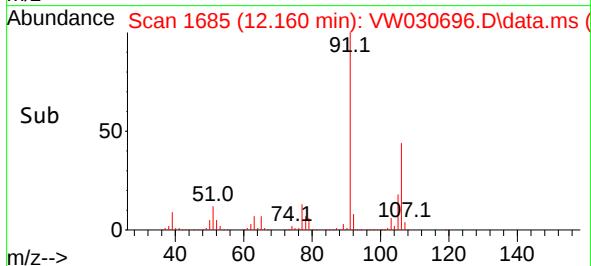
Instrument :
MSVOA_W
ClientSampleId :
A4E90DL



Tgt Ion:106 Resp: 218504
Ion Ratio Lower Upper
106 100
91 225.9 144.5 268.4

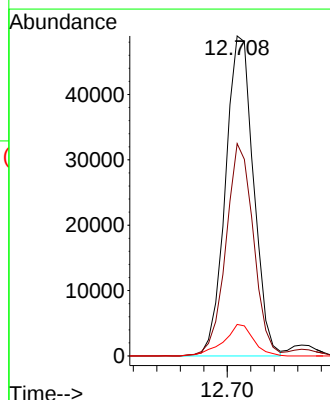
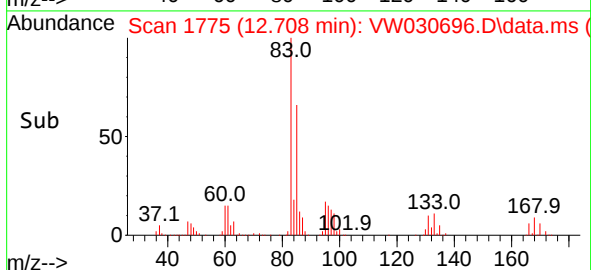
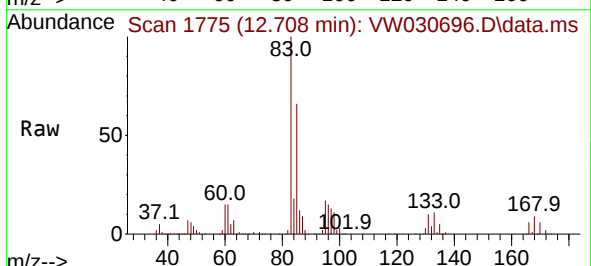
Manual Integrations
APPROVED

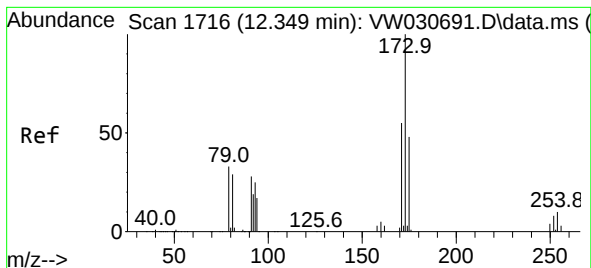
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 26.032 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

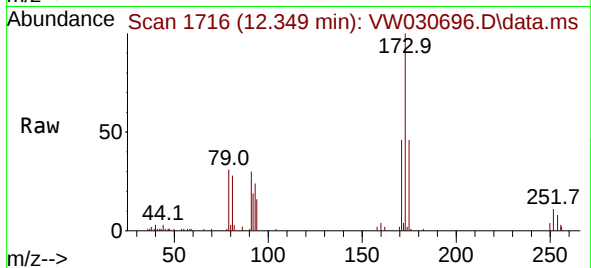
Tgt Ion: 83 Resp: 81155
Ion Ratio Lower Upper
83 100
85 66.4 42.6 79.2
131 9.8 7.4 11.0





#59
Bromoform
Concen: 9.540 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

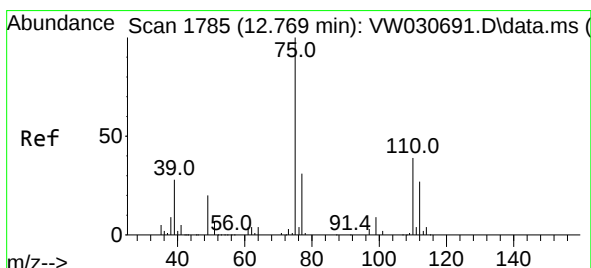
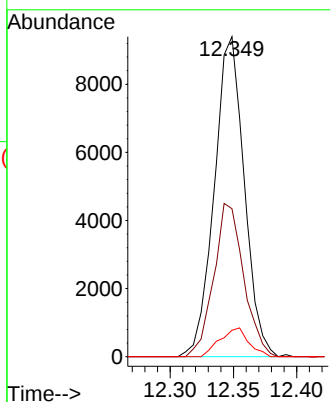
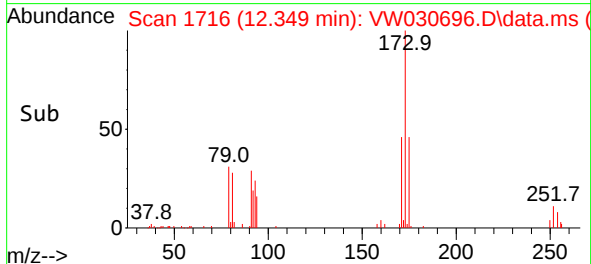
Instrument :
MSVOA_W
ClientSampleId :
A4E90DL



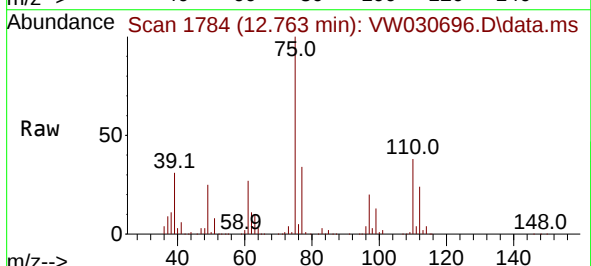
Tgt Ion:173 Resp: 15449
Ion Ratio Lower Upper
173 100
175 47.7 39.0 58.4
254 8.6 7.7 11.5

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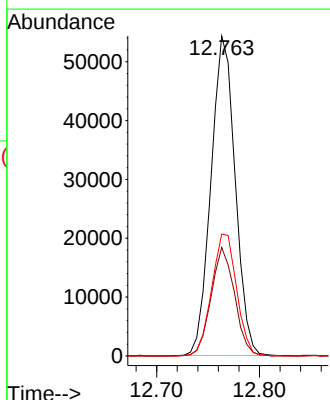
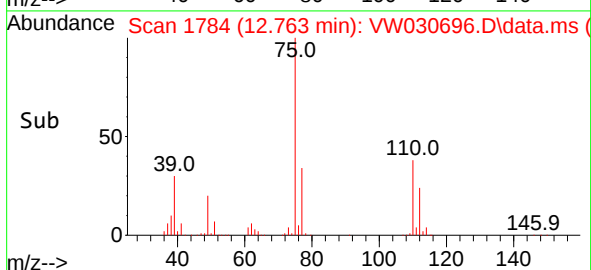
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

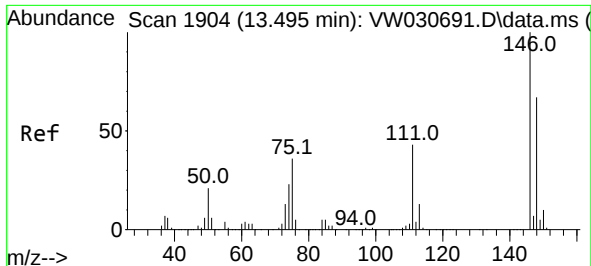


#61
1,2,3-Trichloropropane
Concen: 39.561 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04



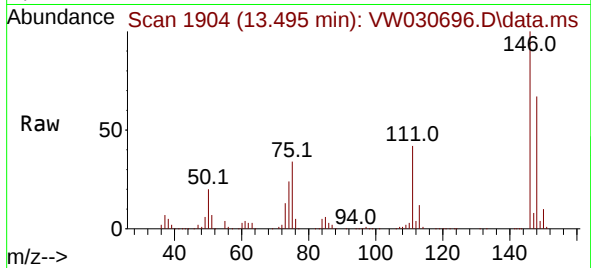
Tgt Ion: 75 Resp: 88729
Ion Ratio Lower Upper
75 100
77 33.0 25.7 38.5
110 39.4 32.3 48.5





#64
1,3-Dichlorobenzene
Concen: 20.155 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

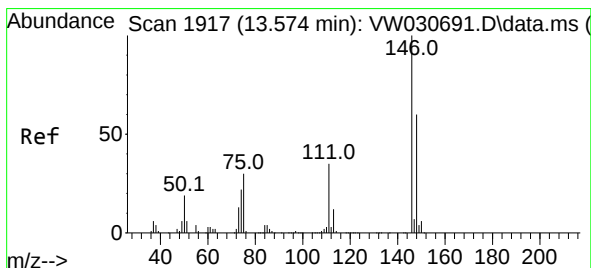
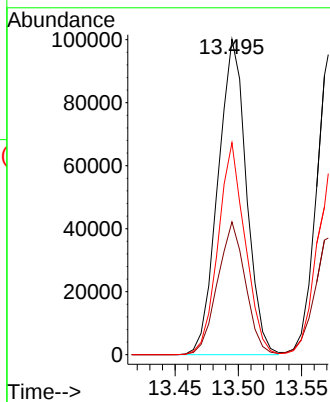
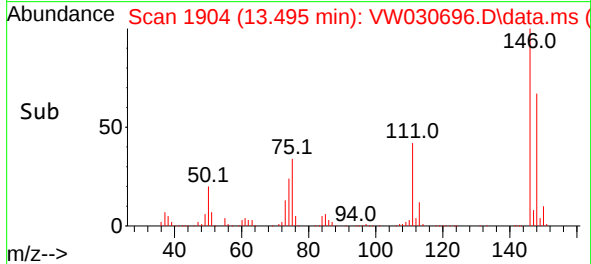
Instrument :
MSVOA_W
ClientSampleId :
A4E90DL



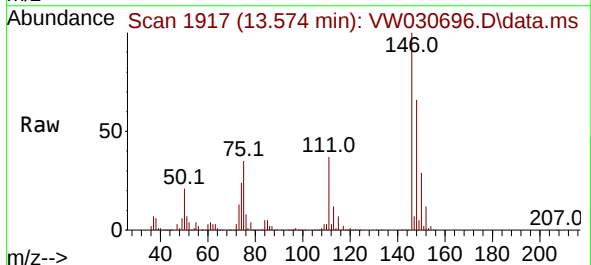
Tgt Ion:146 Resp: 156588
Ion Ratio Lower Upper
146 100
111 42.1 31.2 58.0
148 67.2 45.7 84.9

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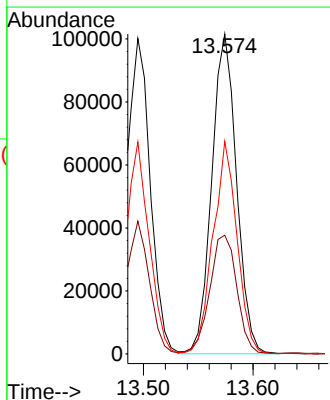
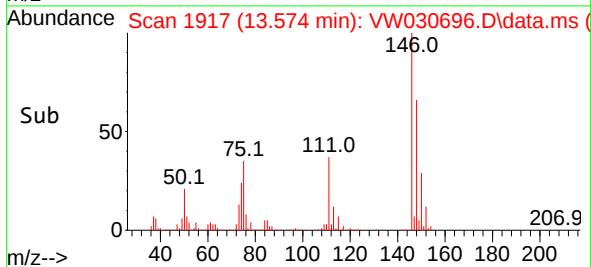
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

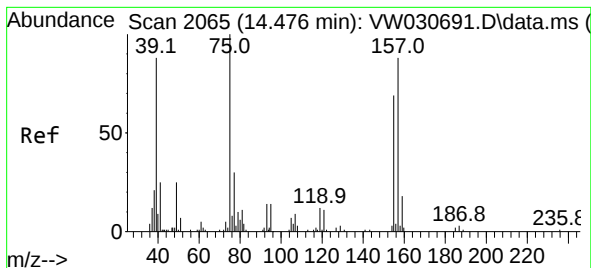


#65
1,4-Dichlorobenzene
Concen: 19.904 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04



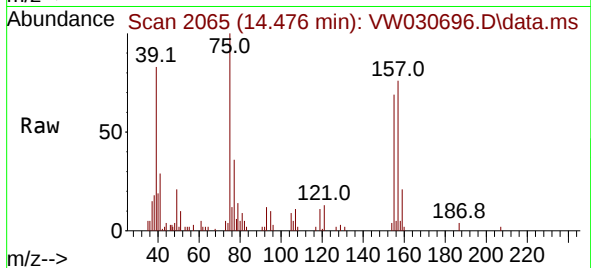
Tgt Ion:146 Resp: 159672
Ion Ratio Lower Upper
146 100
111 37.1 26.8 49.8
148 66.4 41.0 76.2





#68
1,2-Dibromo-3-chloropropane
Concen: 12.100 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04

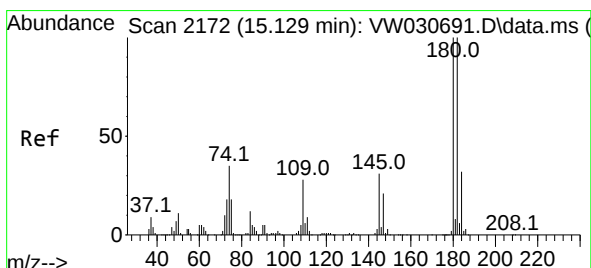
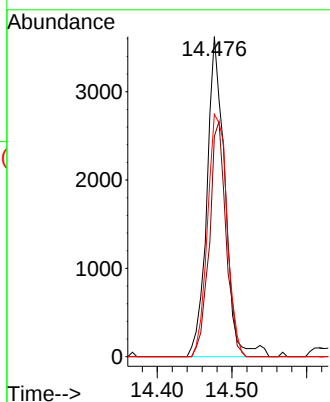
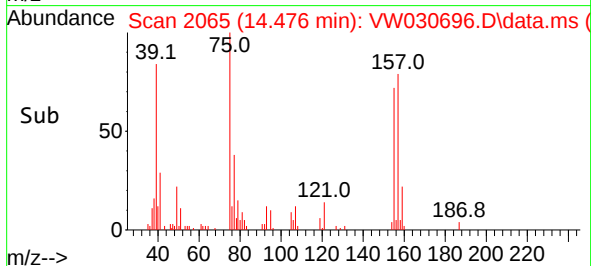
Instrument :
MSVOA_W
ClientSampleId :
A4E90DL



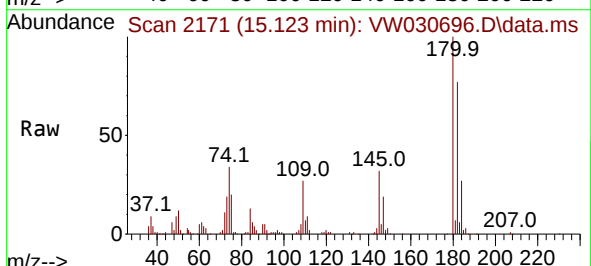
Tgt Ion: 75 Resp: 605
Ion Ratio Lower Upper
75 100
155 68.8 57.9 86.9
157 75.7 69.0 103.6

Manual Integrations
APPROVED

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



#70
1,2,4-trichlorobenzene
Concen: 10.617 ug/L
RT: 15.123 min Scan# 2171
Delta R.T. -0.006 min
Lab File: VW030696.D
Acq: 22 Oct 2024 12:04



Tgt Ion:180 Resp: 43788
Ion Ratio Lower Upper
180 100
182 91.5 75.2 112.8
145 32.0 25.4 38.2

