

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071924\
 Data File : VW029650.D
 Acq On : 19 Jul 2024 12:47
 Operator : SY/MD
 Sample : P3265-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4DH6

Manual Integrations
 APPROVED

Reviewed By :Romaben
 Patel

07/22/2024
 Supervised By :Mahesh
 Dadoda

Quant Time: Jul 19 23:40:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jul 19 23:16:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	218747	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	199250	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	98407	25.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.363	65	60465	17.111	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.440%
7) Chloroethane-d5	2.893	69	50299	19.768	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.080%
11) 1,1-Dichloroethene-d2	4.015	65	30451	19.190	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.760%
21) 2-Butanone-d5	7.075	46	42082	39.671	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.340%
24) Chloroform-d	7.648	84	161133	25.480	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.920%
26) 1,2-Dichloroethane-d4	8.307	65	81506m	21.974	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.880%
32) Benzene-d6	8.276	84	254573	21.328	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.320%
36) 1,2-Dichloropropane-d6	9.270	67	84287	22.085	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.360%
41) Toluene-d8	10.319	98	234239	22.314	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.240%
43) trans-1,3-Dichloroprop...	10.575	79	32456	20.083	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.320%
47) 2-Hexanone-d5	10.922	63	27652	39.874	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.740%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	69094	22.298	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.200%
66) 1,2-Dichlorobenzene-d4	13.848	152	70224	20.491	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.960%

Target Compounds

						Qvalue
12) 1,1-Dichloroethene	4.039	96	122469m	45.020	ug/L	
13) Acetone	4.118	43	69200	64.633	ug/L	99
16) Methylene chloride	4.923	84	278718	71.169	ug/L	93
17) trans-1,2-Dichloroethene	5.429	96	97314	32.315	ug/L	94
18) Methyl tert-butyl Ether	5.423	73	224525	43.820	ug/L	100
19) 1,1-Dichloroethane	6.216	63	593602	95.983	ug/L	98
22) 2-Butanone	7.167	43	270339	192.335	ug/L	95
25) Chloroform	7.673	83	578826	96.731	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	3612	0.794	ug/L	96
31) Carbon tetrachloride	8.069	117	74729	17.934	ug/L	100
33) Benzene	8.325	78	905524	72.637	ug/L	100
34) Trichloroethene	9.093	95	340391	103.397	ug/L	96
37) 1,2-Dichloropropane	9.368	63	139625	40.502	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	341332	65.922	ug/L	99
40) 4-Methyl-2-pentanone	10.203	43	349214	143.735	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	322757	72.728	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	121483	49.000	ug/L	98
50) 1,2-Dibromoethane	11.233	107	106271	44.980	ug/L	100
53) m,p-Xylene	11.831	106	291729	54.998	ug/L	94

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 Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	12.166	106	361185	73.619	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	147288	47.097	ug/L	99
59) Bromoform	12.343	173	25925	17.067	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	175107	73.525	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	261627	42.155	ug/L	93
65) 1,4-Dichlorobenzene	13.574	146	267640	42.094	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.476	75	11125	19.540	ug/L	95
70) 1,2,4-trichlorobenzene	15.129	180	75206	21.110	ug/L	96

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

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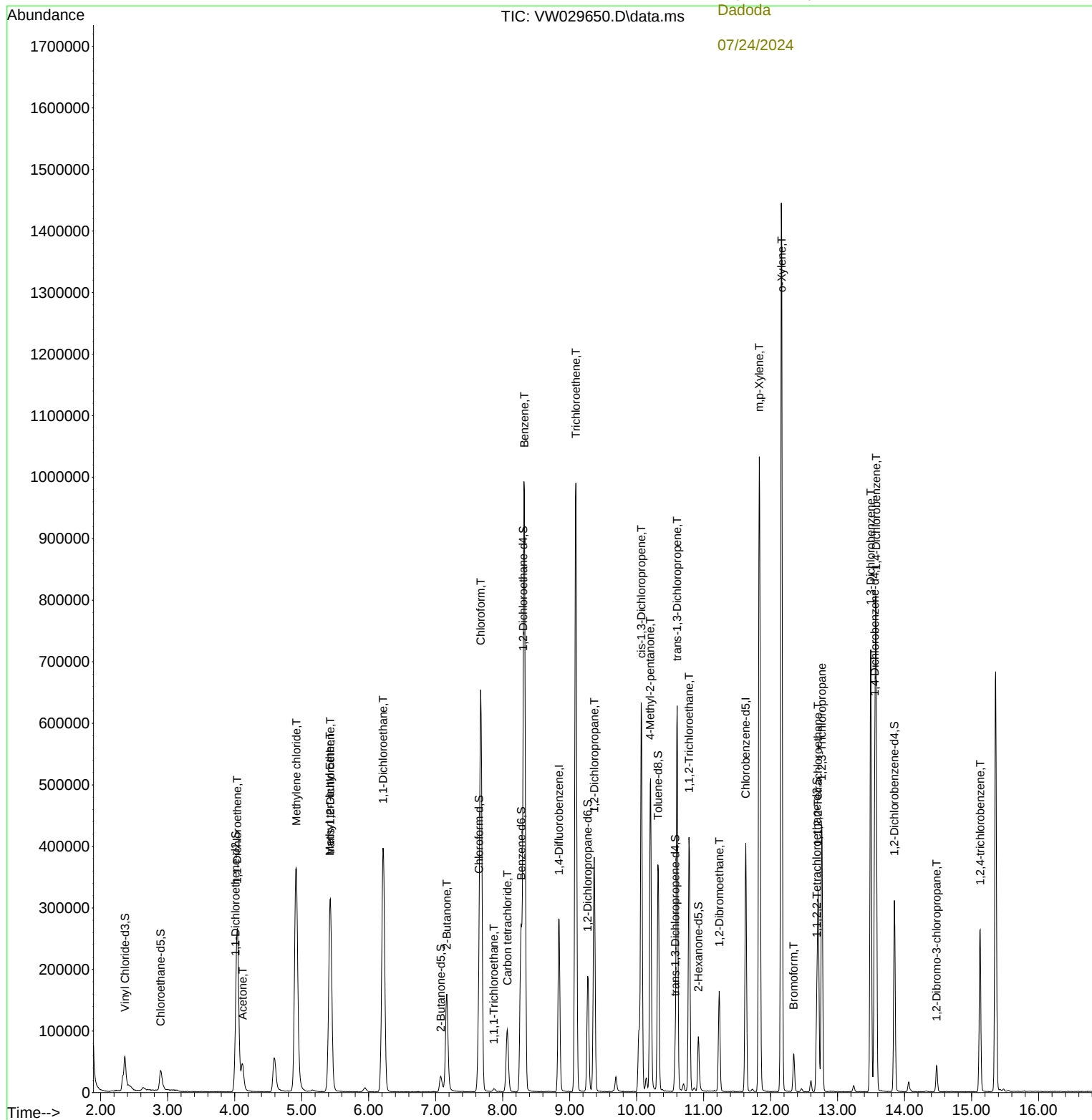
Manual Integrations
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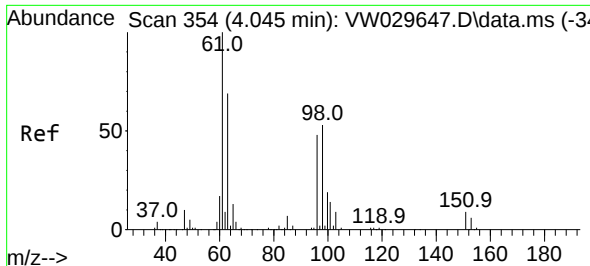
Reviewed By :Romaben
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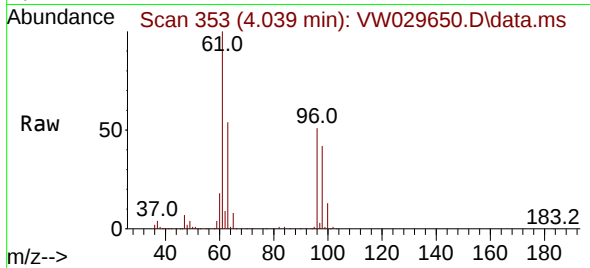
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Quant Title : SFAM01.0
QLast Update : Fri Jul 19 23:16:32 2024
Response via : Initial Calibration





#12
1,1-Dichloroethene
Concen: 45.020 ug/L m
RT: 4.039 min Scan# 353
Delta R.T. -0.006 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

Instrument :
MSVOA_W
ClientSampleId :
A4DH6



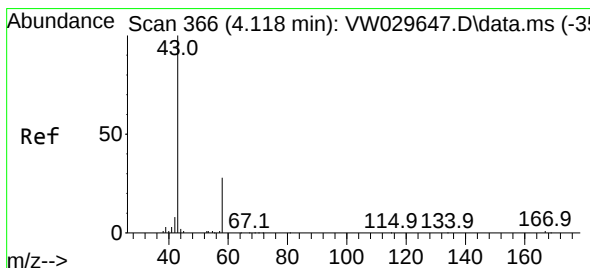
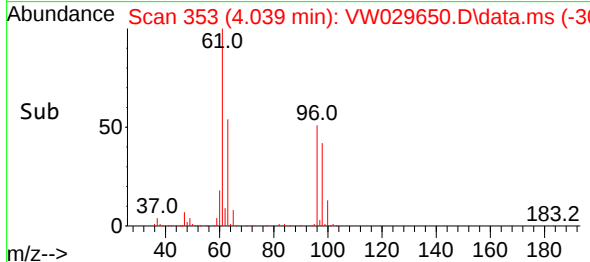
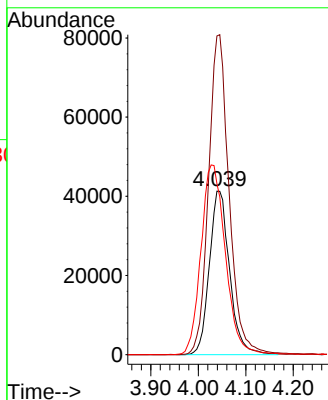
Tgt Ion: 96 Resp: 122469
Ion Ratio Lower Upper
96 100
61 194.9 132.4 245.8
63 104.6 108.4 201.2

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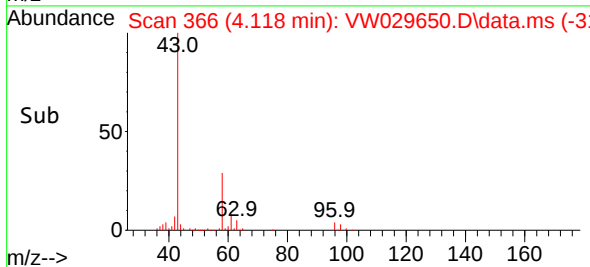
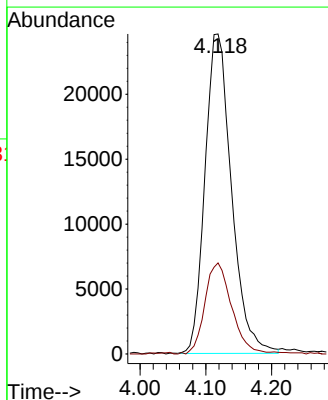
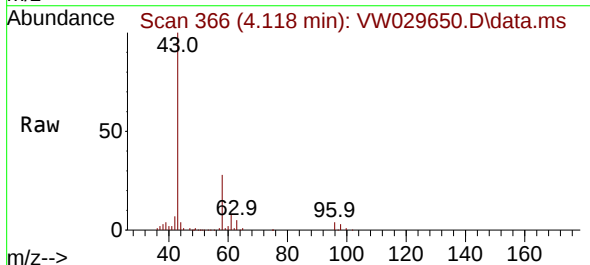
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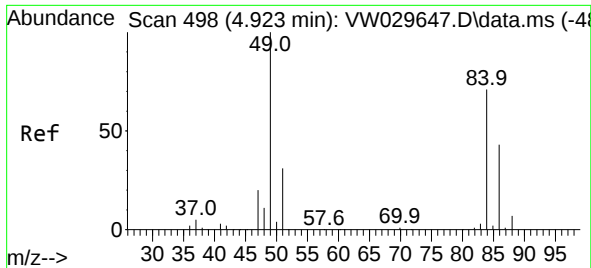
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#13
Acetone
Concen: 64.633 ug/L
RT: 4.118 min Scan# 366
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

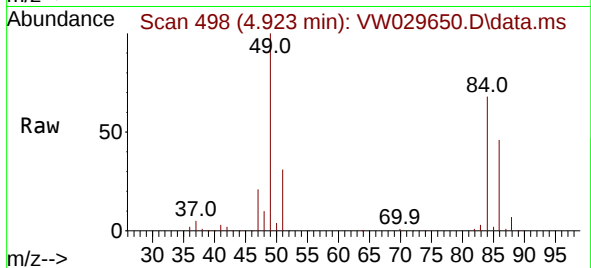
Tgt Ion: 43 Resp: 69200
Ion Ratio Lower Upper
43 100
58 28.5 0.0 55.6





#16
Methylene chloride
Concen: 71.169 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

Instrument :
MSVOA_W
ClientSampleId :
A4DH6



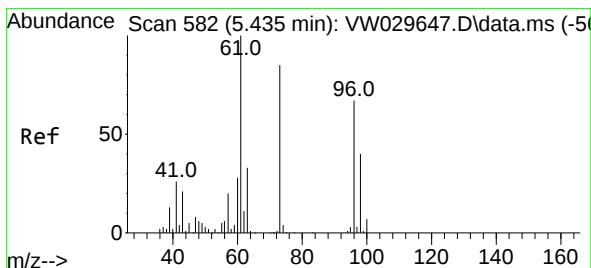
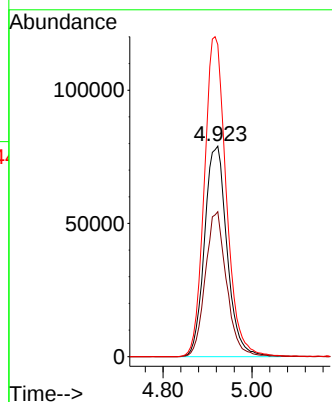
Tgt Ion: 84 Resp: 278718
Ion Ratio Lower Upper
84 100
86 68.8 46.2 85.8
49 148.1 96.7 179.7

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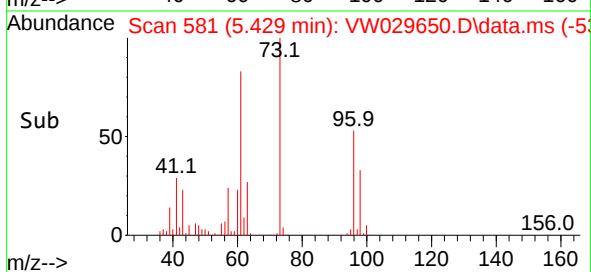
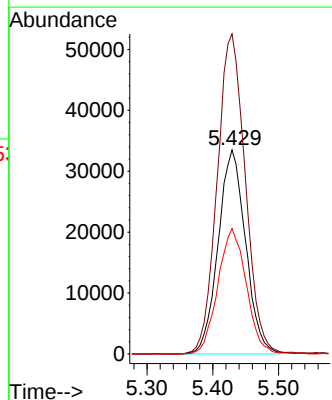
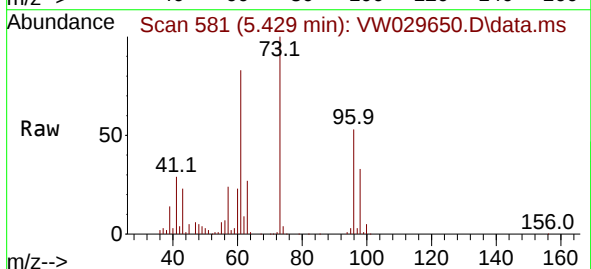
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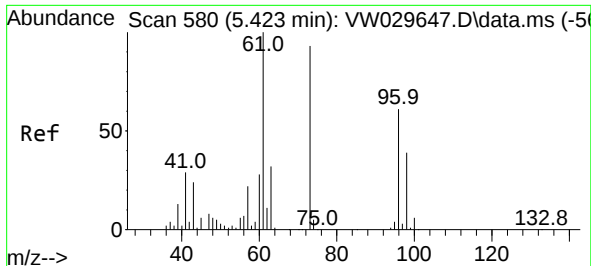
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#17
trans-1,2-Dichloroethene
Concen: 32.315 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

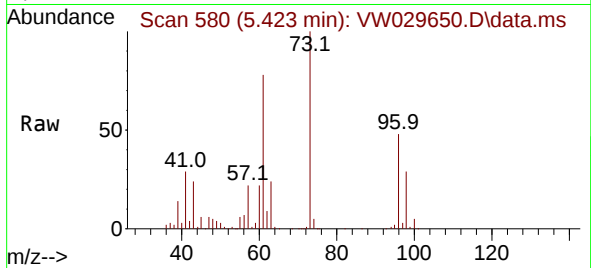
Tgt Ion: 96 Resp: 97314
Ion Ratio Lower Upper
96 100
61 156.8 102.9 191.1
98 61.5 43.9 81.5





#18
Methyl tert-butyl Ether
Concen: 43.820 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

Instrument :
MSVOA_W
ClientSampleId :
A4DH6



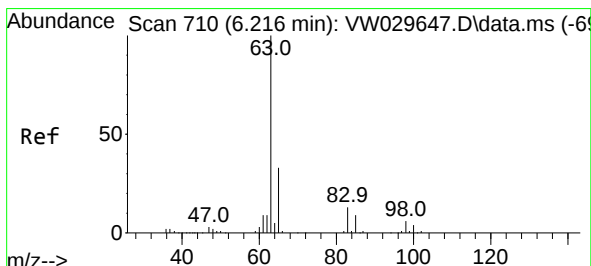
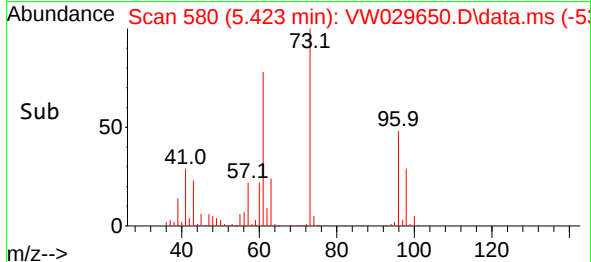
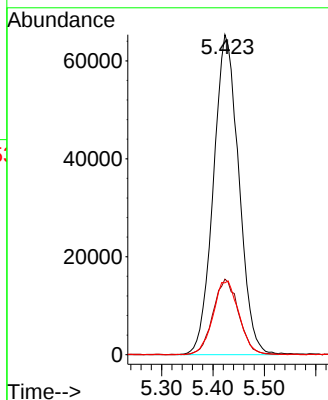
Tgt Ion: 73 Resp: 22452
Ion Ratio Lower Upper
73 100
43 23.8 18.7 28.1
57 23.5 18.9 28.3

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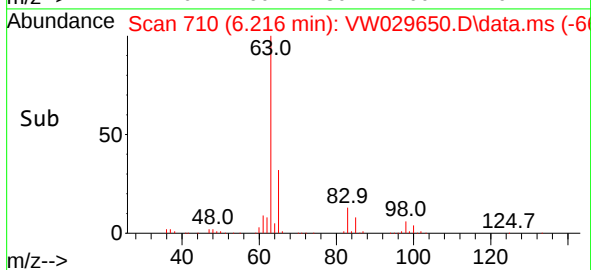
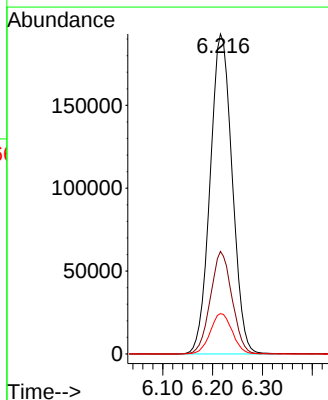
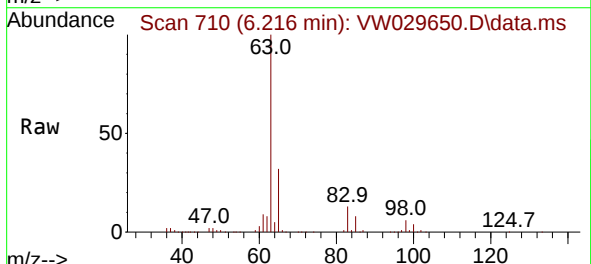
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Dadoda

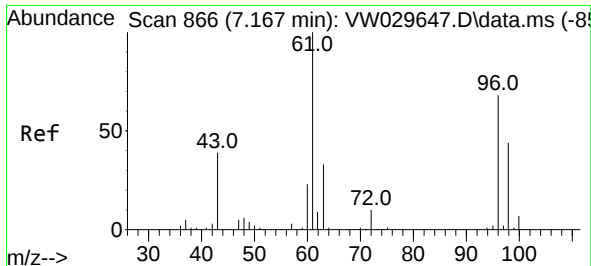
07/24/2024



#19
1,1-Dichloroethane
Concen: 95.983 ug/L
RT: 6.216 min Scan# 710
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

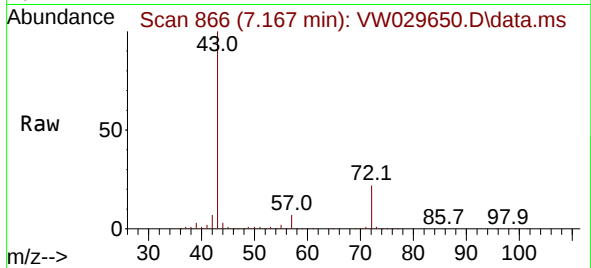
Tgt Ion: 63 Resp: 593602
Ion Ratio Lower Upper
63 100
65 32.0 21.5 39.9
83 12.6 8.7 16.1





#22
2-Butanone
Concen: 192.335 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

Instrument :
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ClientSampleId :
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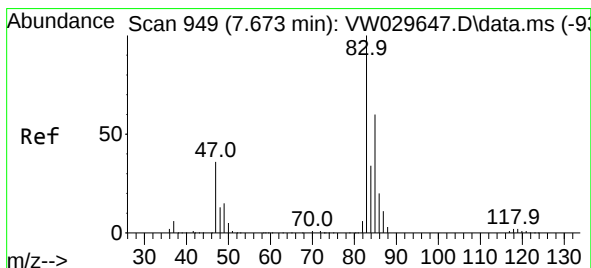
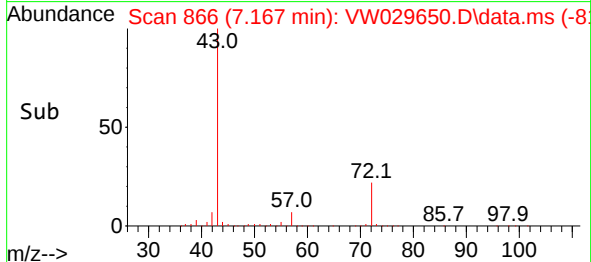
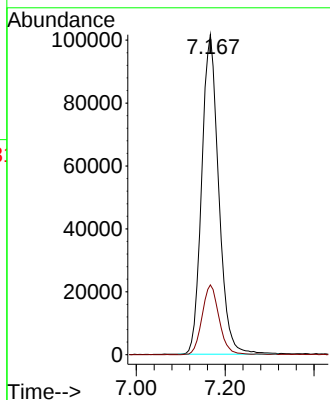
Tgt Ion: 43 Resp: 270339
Ion Ratio Lower Upper
43 100
72 21.9 12.0 36.1

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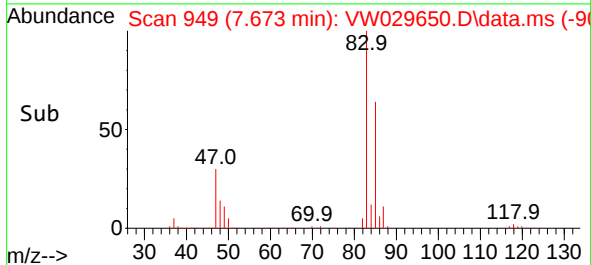
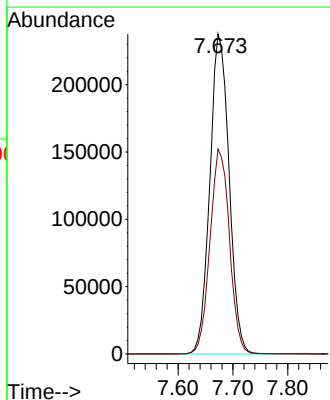
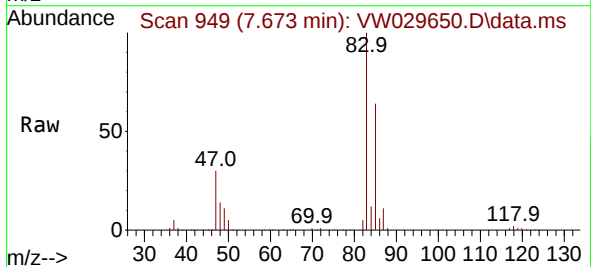
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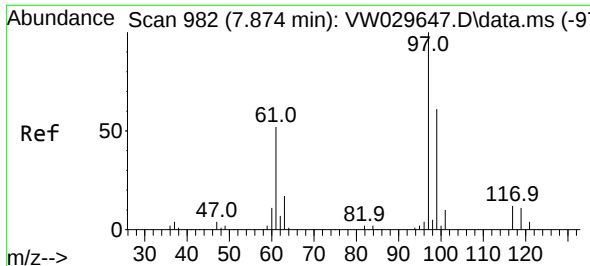
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#25
Chloroform
Concen: 96.731 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

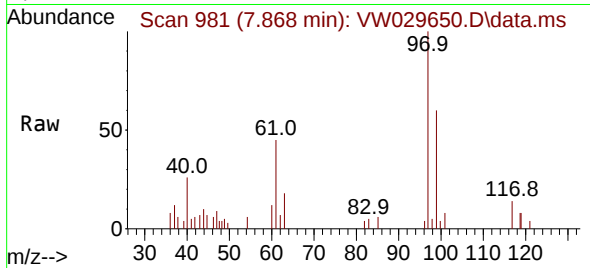
Tgt Ion: 83 Resp: 578826
Ion Ratio Lower Upper
83 100
85 64.0 44.1 81.9





#30
1,1,1-Trichloroethane
Concen: 0.794 ug/L
RT: 7.868 min Scan# 981
Delta R.T. -0.006 min
Lab File: VW029650.D
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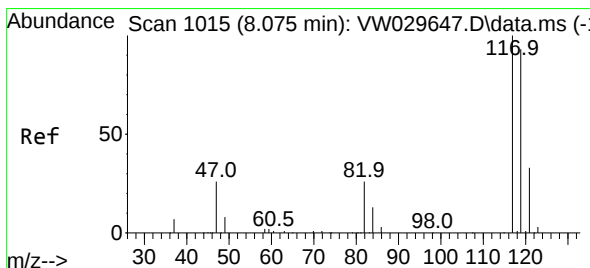
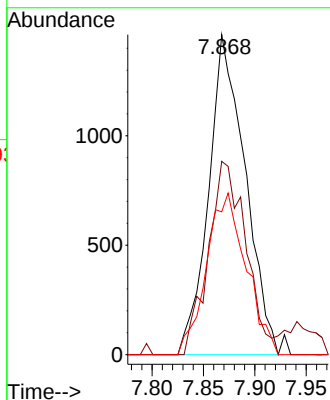
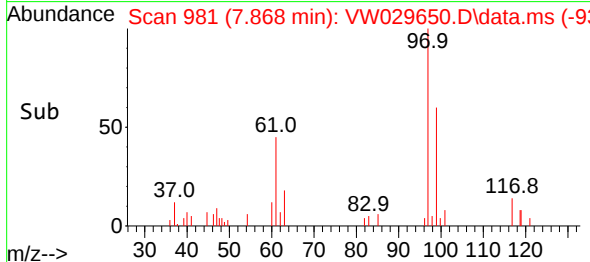
Tgt Ion: 97 Resp: 361
Ion Ratio Lower Upper
97 100
99 62.0 51.1 76.7
61 54.6 40.6 61.0

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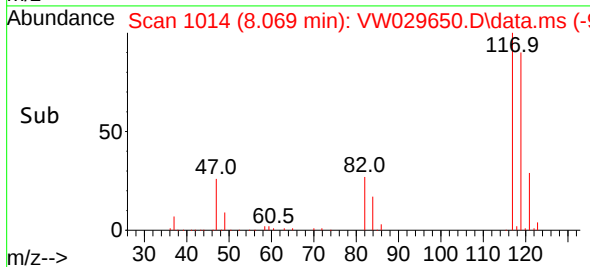
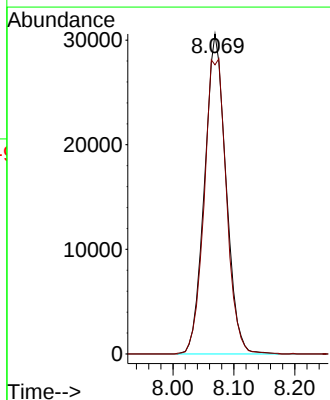
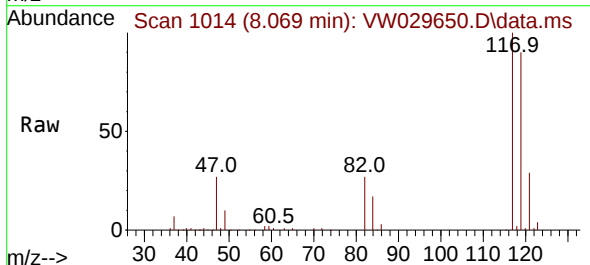
07/22/2024
Supervised By :Mahesh
Dadoda

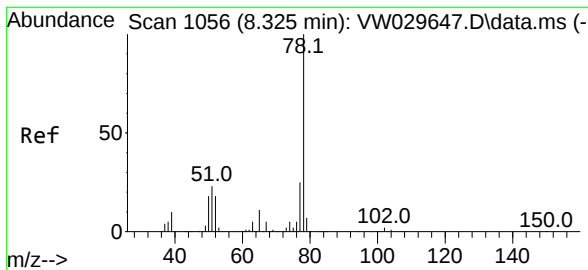
07/24/2024



#31
Carbon tetrachloride
Concen: 17.934 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.006 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

Tgt Ion:117 Resp: 74729
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.6





#33

Benzene

Concen: 72.637 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VW029650.D

Acq: 19 Jul 2024 12:47

Instrument :

MSVOA_W

ClientSampleId :

A4DH6

Tgt Ion: 78 Resp: 905524

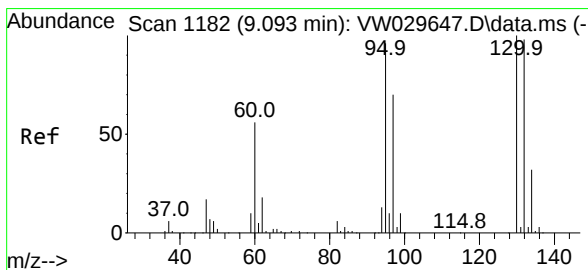
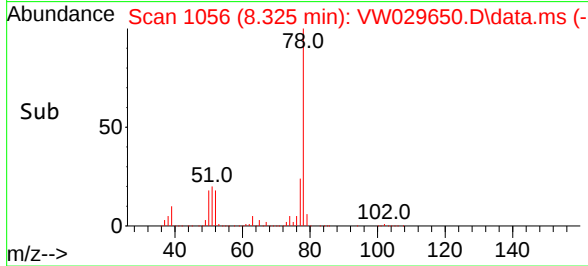
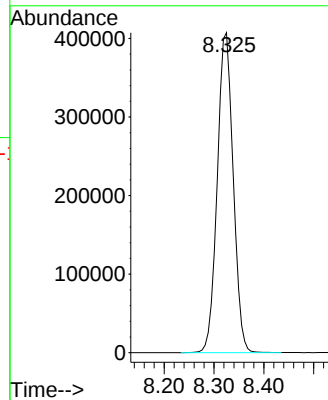
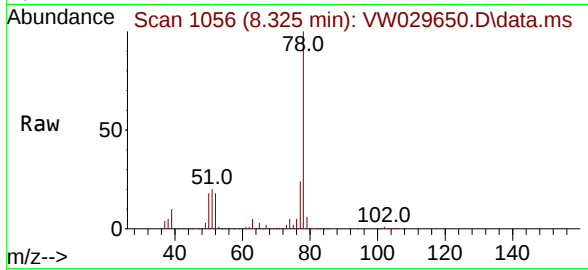
Manual Integrations
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Dadoda

07/24/2024



#34

Trichloroethene

Concen: 103.397 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW029650.D

Acq: 19 Jul 2024 12:47

Tgt Ion: 95 Resp: 340391

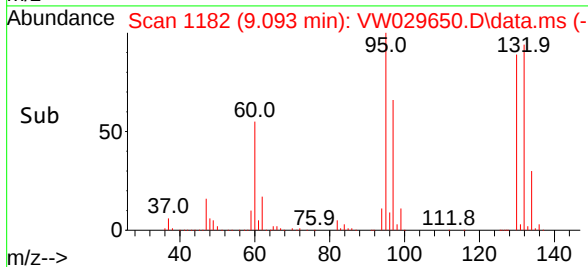
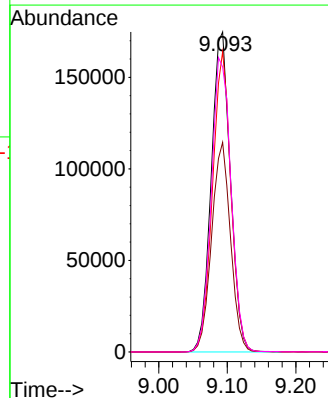
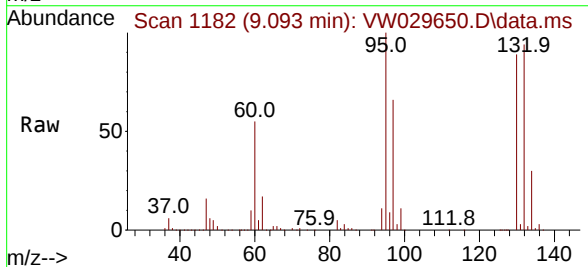
Ion Ratio Lower Upper

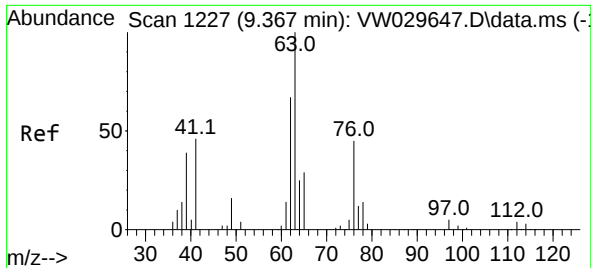
95 100

97 65.5 47.3 87.9

132 93.8 65.8 122.2

130 89.1 67.8 125.8





#37

1,2-Dichloropropane

Concen: 40.502 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW029650.D

Acq: 19 Jul 2024 12:47

Instrument :

MSVOA_W

ClientSampleId :

A4DH6

Tgt Ion: 63 Resp: 13962

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9

Manual Integrations

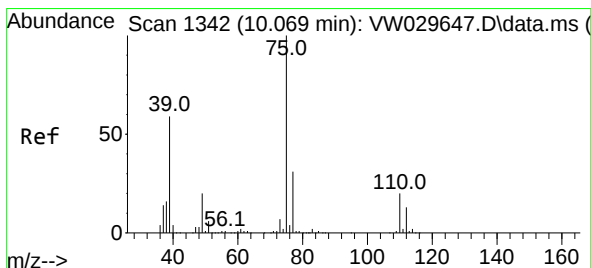
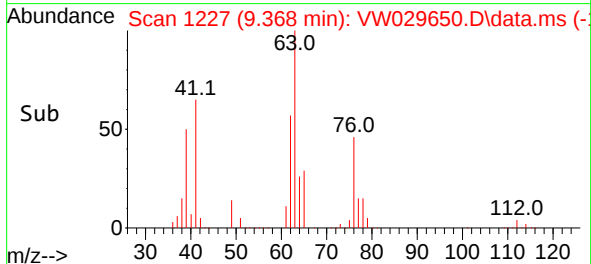
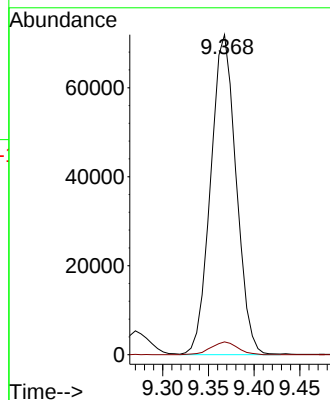
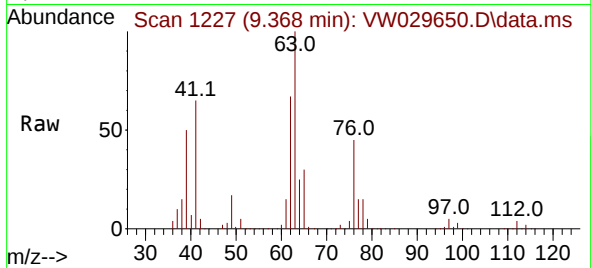
APPROVED

Reviewed By :Romaben
Patel

07/22/2024

Supervised By :Mahesh
Dadoda

07/24/2024



#39

cis-1,3-Dichloropropene

Concen: 65.922 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW029650.D

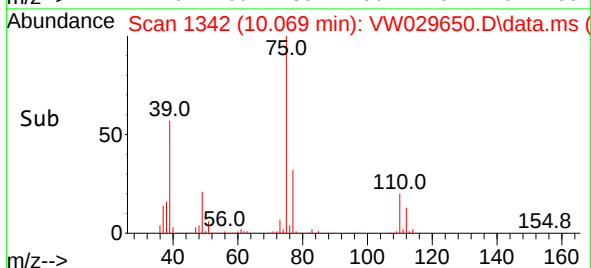
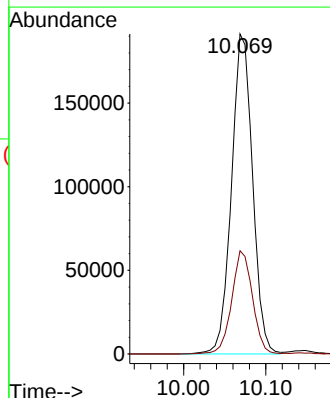
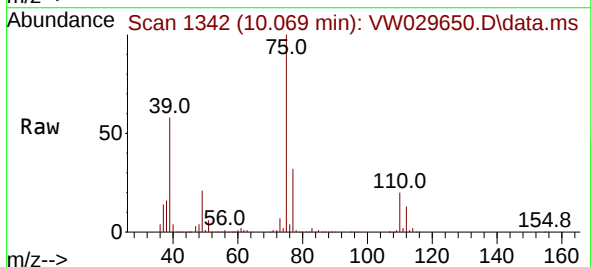
Acq: 19 Jul 2024 12:47

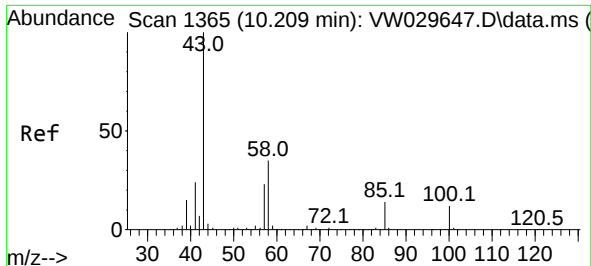
Tgt Ion: 75 Resp: 341332

Ion Ratio Lower Upper

75 100

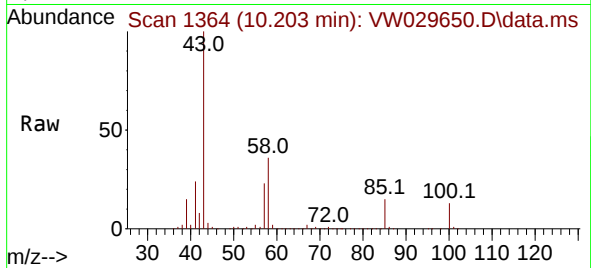
77 32.2 22.2 41.2





#40
4-Methyl-2-pentanone
Concen: 143.735 ug/L
RT: 10.203 min Scan# 1364
Delta R.T. -0.006 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

Instrument :
MSVOA_W
ClientSampleId :
A4DH6



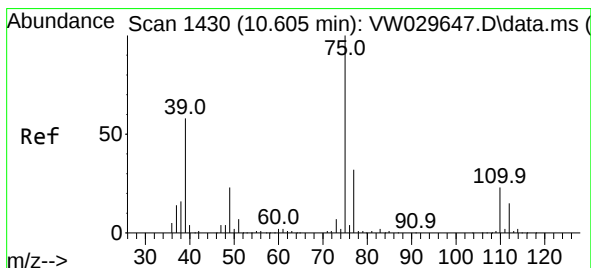
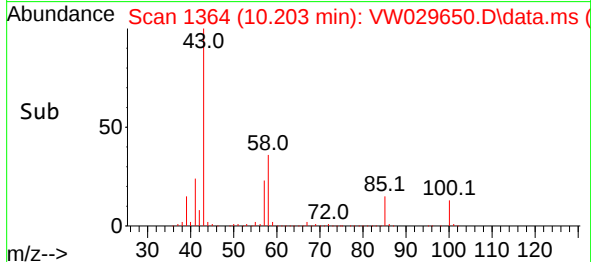
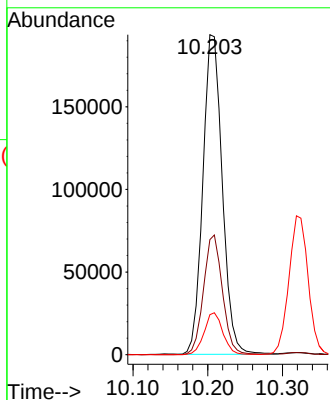
Tgt Ion: 43 Resp: 349214
Ion Ratio Lower Upper
43 100
58 36.5 29.0 43.6
100 12.7 10.5 15.7

Manual Integrations
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Reviewed By :Romaben
Patel

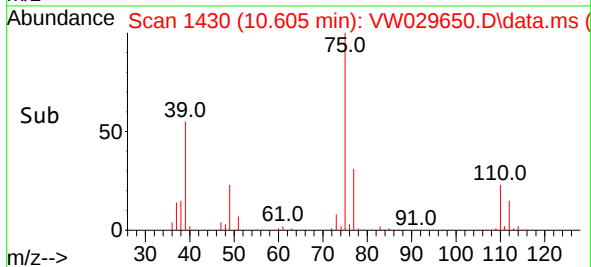
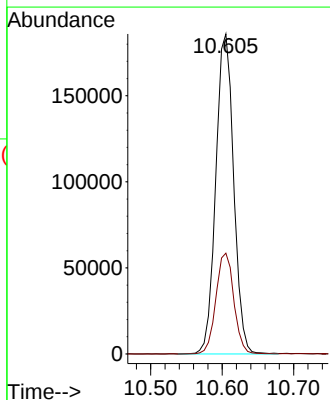
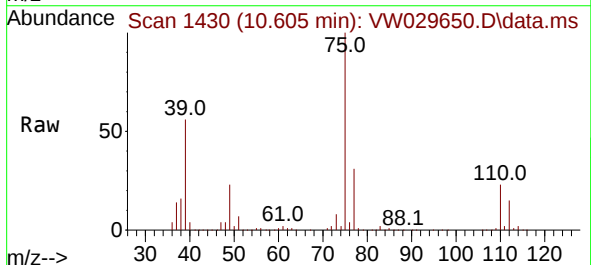
07/22/2024
Supervised By :Mahesh
Dadoda

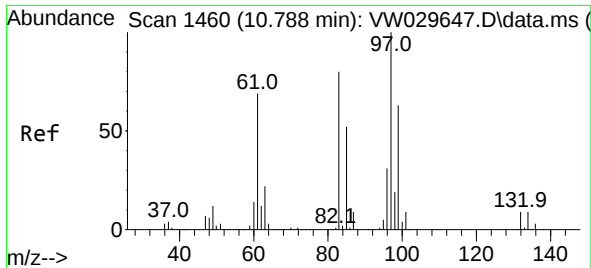
07/24/2024



#44
trans-1,3-Dichloropropene
Concen: 72.728 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

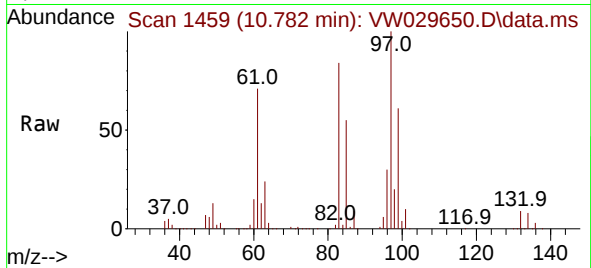
Tgt Ion: 75 Resp: 322757
Ion Ratio Lower Upper
75 100
77 31.5 22.4 41.6





#45
1,1,2-Trichloroethane
Concen: 49.000 ug/L
RT: 10.782 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

Instrument :
MSVOA_W
ClientSampleId :
A4DH6



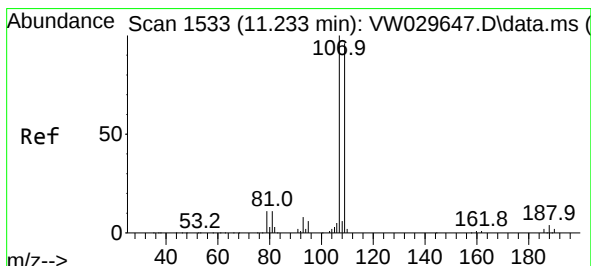
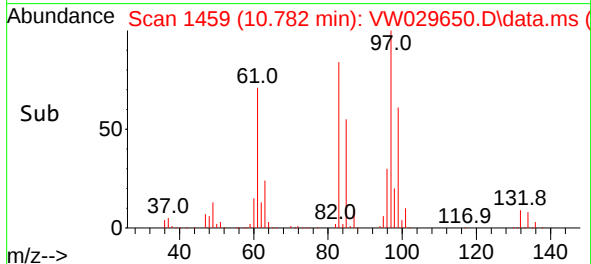
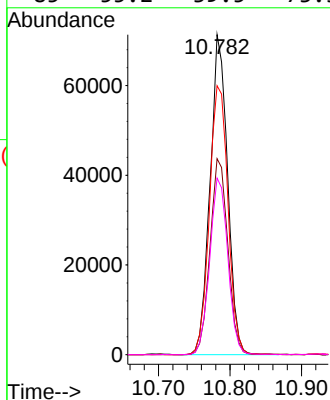
Tgt Ion: 97 Resp: 12148
Ion Ratio Lower Upper
97 100
99 61.2 43.8 81.4
83 84.0 60.3 111.9
85 55.2 39.5 73.3

Manual Integrations
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Reviewed By :Romaben
Patel

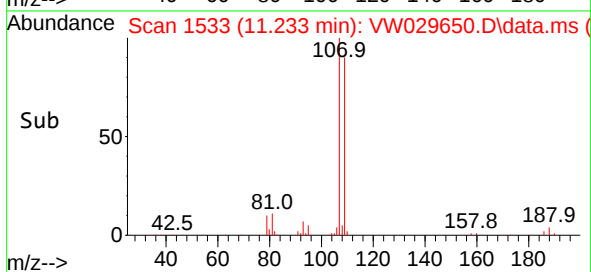
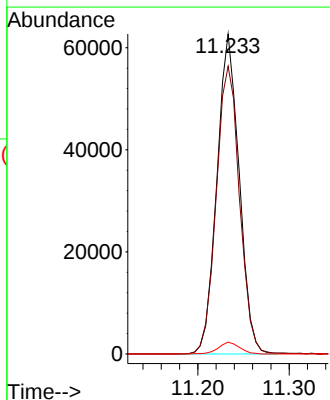
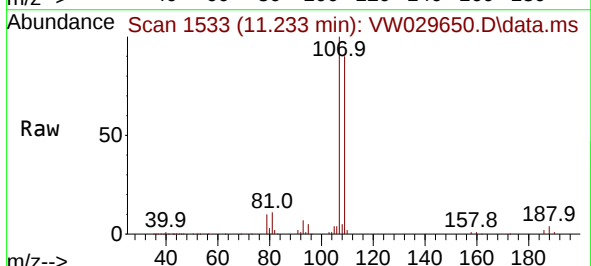
07/22/2024
Supervised By :Mahesh
Dadoda

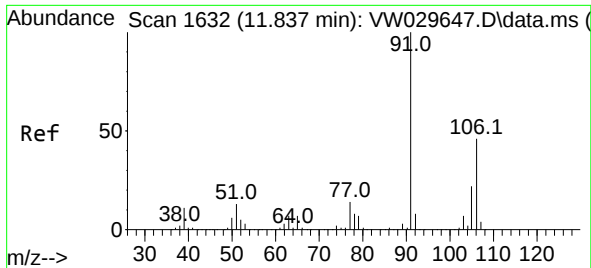
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#50
1,2-Dibromoethane
Concen: 44.980 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

Tgt Ion:107 Resp: 106271
Ion Ratio Lower Upper
107 100
109 89.9 63.2 117.4
188 3.7 2.9 4.3





#53
m,p-Xylene
Concen: 54.998 ug/L
RT: 11.831 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

Instrument :
MSVOA_W
ClientSampleId :
A4DH6

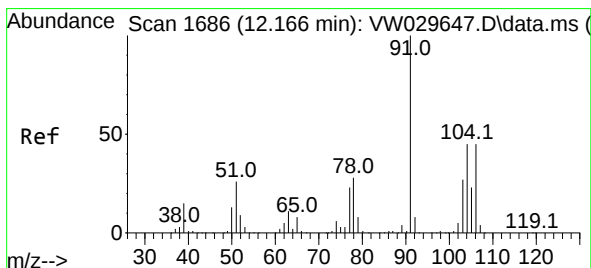
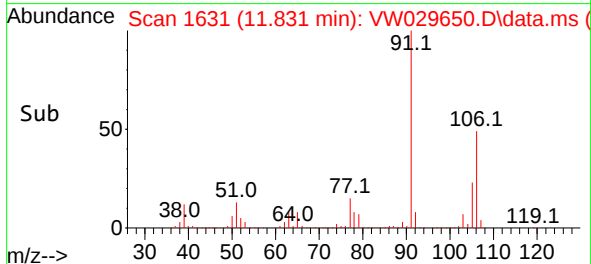
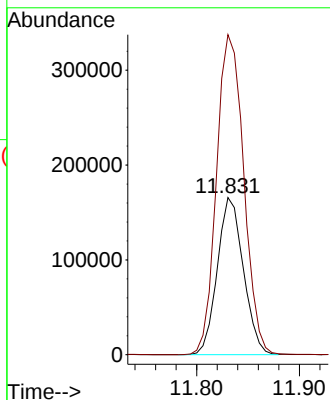
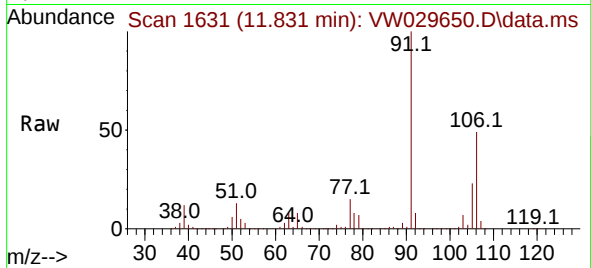
Tgt Ion:106 Resp: 291729
Ion Ratio Lower Upper
106 100
91 203.6 149.3 277.3

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Reviewed By :Romaben
Patel

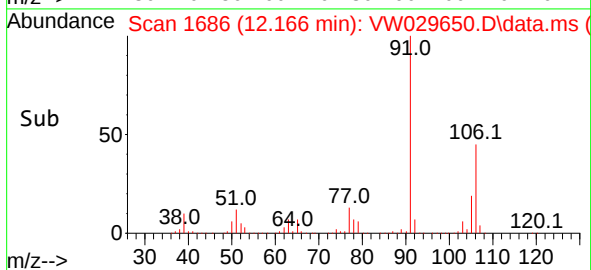
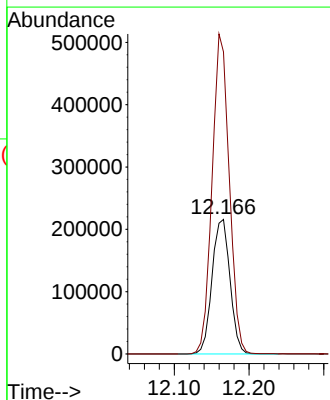
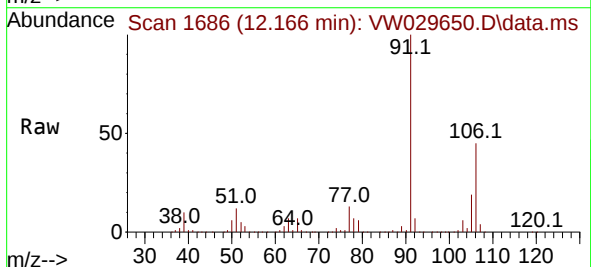
07/22/2024
Supervised By :Mahesh
Dadoda

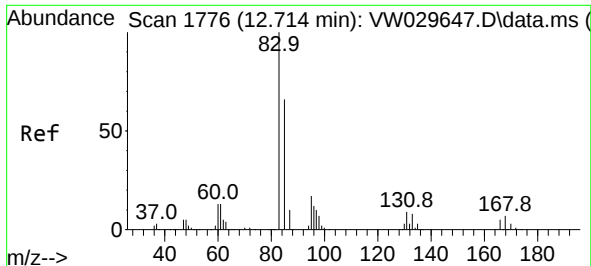
07/24/2024



#54
o-Xylene
Concen: 73.619 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

Tgt Ion:106 Resp: 361185
Ion Ratio Lower Upper
106 100
91 224.4 159.2 295.6





#57
1,1,2,2-Tetrachloroethane
Concen: 47.097 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

Instrument :
MSVOA_W
ClientSampleId :
A4DH6

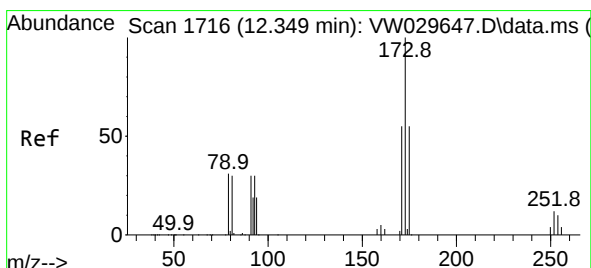
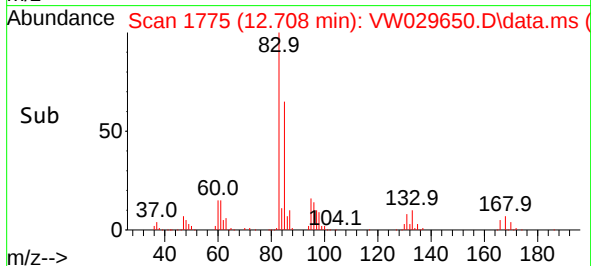
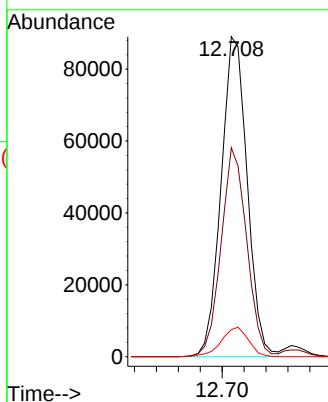
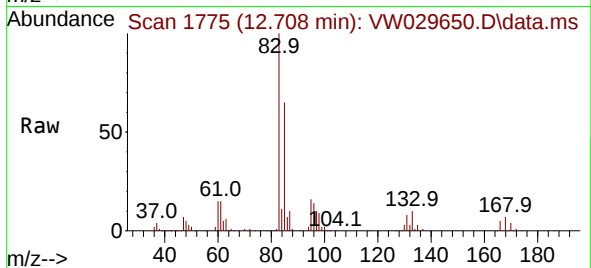
Tgt Ion: 83 Resp: 147288
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.4
131 8.4 6.4 9.6

Manual Integrations
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Reviewed By :Romaben
Patel

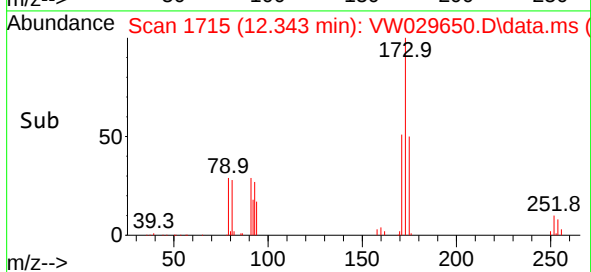
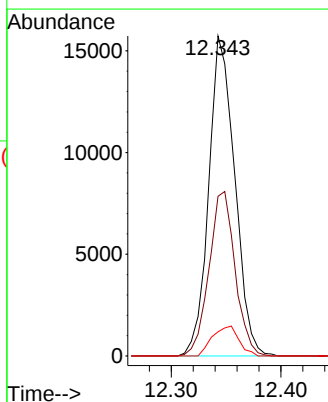
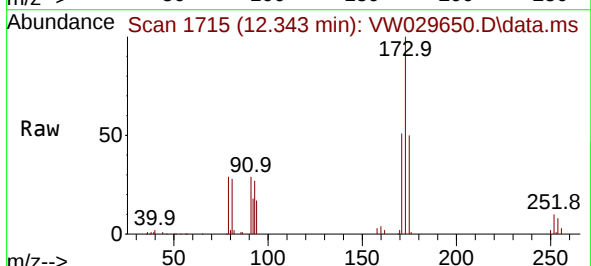
07/22/2024
Supervised By :Mahesh
Dadoda

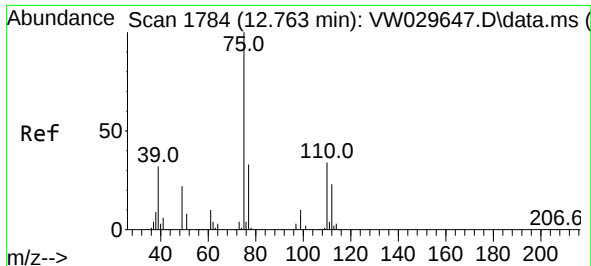
07/24/2024



#59
Bromoform
Concen: 17.067 ug/L
RT: 12.343 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

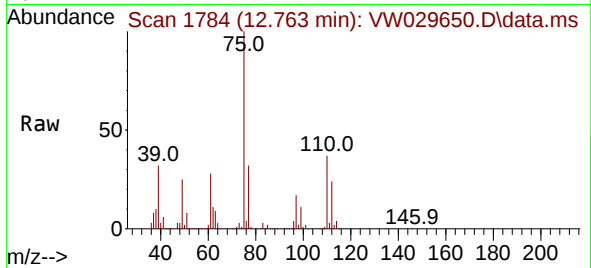
Tgt Ion:173 Resp: 25925
Ion Ratio Lower Upper
173 100
175 51.6 40.4 60.6
254 9.5 8.8 13.2





#61
1,2,3-Trichloropropane
Concen: 73.525 ug/L
RT: 12.763 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

Instrument :
MSVOA_W
ClientSampleId :
A4DH6



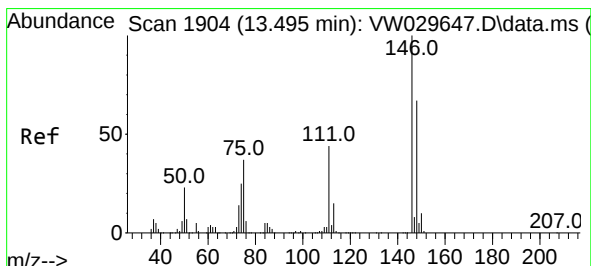
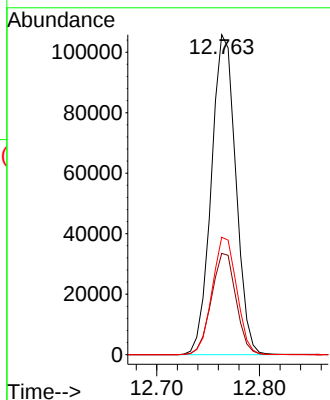
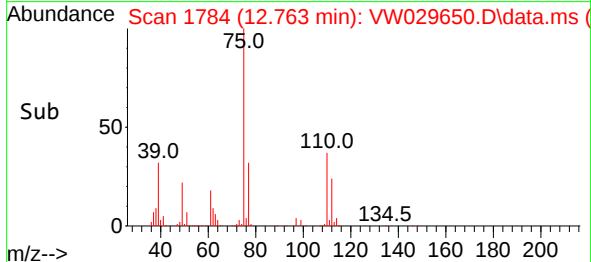
Tgt Ion: 75 Resp: 17510
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3
110 36.8 29.1 43.7

Manual Integrations
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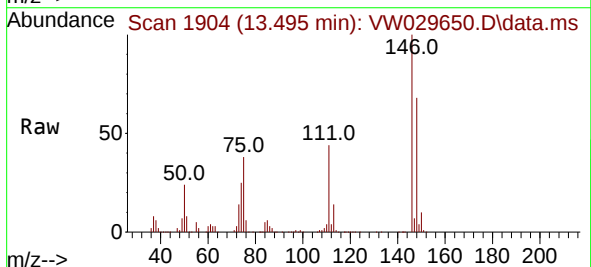
Reviewed By :Romaben
Patel

07/22/2024
Supervised By :Mahesh
Dadoda

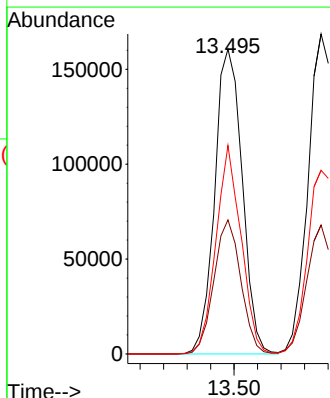
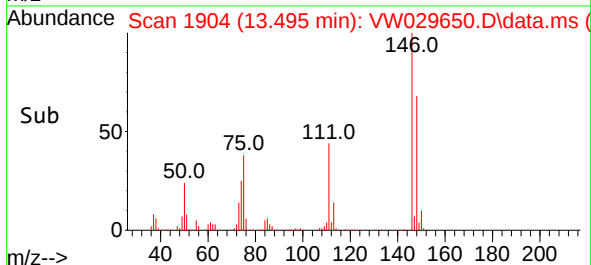
07/24/2024

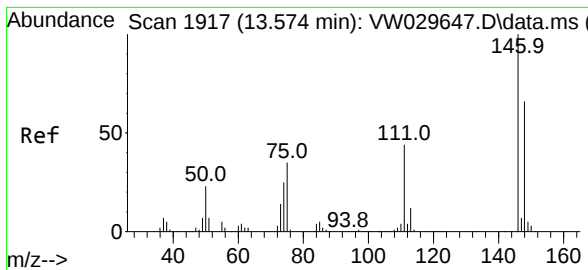


#64
1,3-Dichlorobenzene
Concen: 42.155 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47



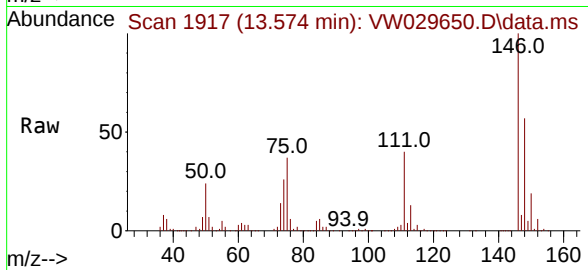
Tgt Ion:146 Resp: 261627
Ion Ratio Lower Upper
146 100
111 44.0 28.6 53.2
148 68.3 43.0 80.0





#65
1,4-Dichlorobenzene
Concen: 42.094 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47

Instrument :
MSVOA_W
ClientSampleId :
A4DH6



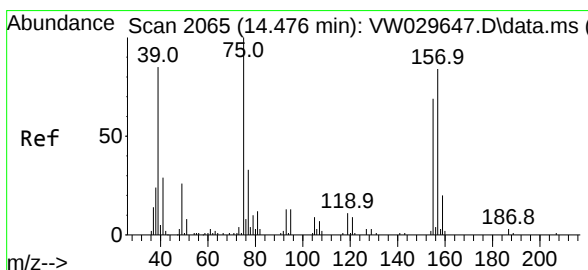
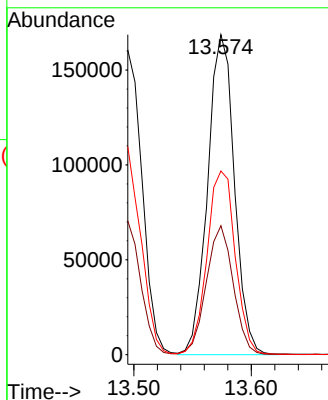
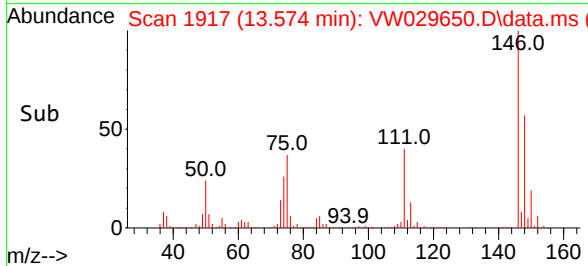
Tgt Ion:146 Resp: 267640
Ion Ratio Lower Upper
146 100
111 40.3 27.6 51.4
148 57.4 40.9 75.9

Manual Integrations
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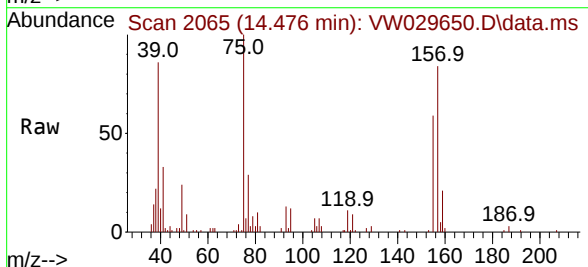
Reviewed By :Romaben
Patel

07/22/2024
Supervised By :Mahesh
Dadoda

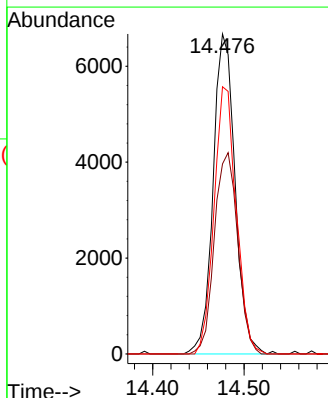
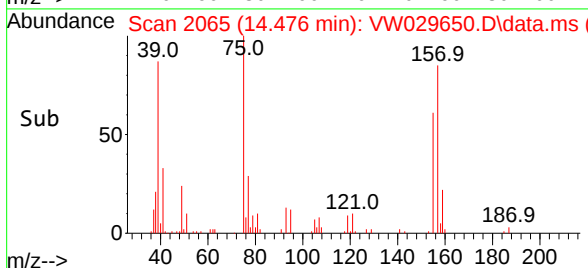
07/24/2024

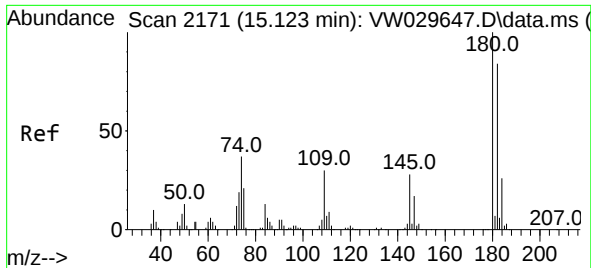


#68
1,2-Dibromo-3-chloropropane
Concen: 19.540 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VW029650.D
Acq: 19 Jul 2024 12:47



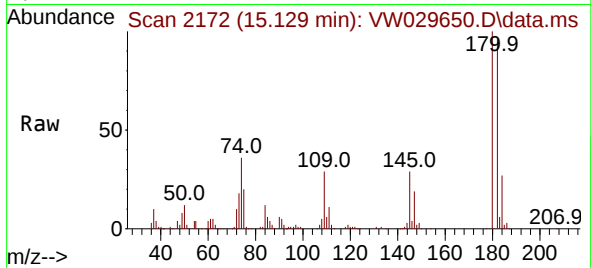
Tgt Ion: 75 Resp: 11125
Ion Ratio Lower Upper
75 100
155 59.4 51.2 76.8
157 83.5 63.7 95.5





#70
 1,2,4-trichlorobenzene
 Concen: 21.110 ug/L
 RT: 15.129 min Scan# 2172
 Delta R.T. 0.006 min
 Lab File: VW029650.D
 Acq: 19 Jul 2024 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 A4DH6



Tgt Ion:180 Resp: 75200
 Ion Ratio Lower Upper
 180 100
 182 97.8 74.7 112.1
 145 31.8 26.2 39.2

Manual Integrations
 APPROVED

Reviewed By :Romaben
 Patel

07/22/2024
 Supervised By :Mahesh
 Dadoda

07/24/2024

