

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092424\
 Data File : VW030224.D
 Acq On : 24 Sep 2024 15:15
 Operator : SY/MD
 Sample : P4131-20
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E66

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/25/2024
 Supervised By :Semsettin Yesilyurt 09/25/2024

Quant Time: Sep 25 01:21:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Sep 25 01:17:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	277177	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	245645	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	121797	25.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.363	65	77593	21.677	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.720%
7) Chloroethane-d5	2.899	69	65652	25.980	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.920%
11) 1,1-Dichloroethene-d2	4.021	65	31931	17.854	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.400%
21) 2-Butanone-d5	7.075	46	39179	45.203	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.400%
24) Chloroform-d	7.655	84	179481	23.550	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	8.307	65	84139	21.985	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.960%
32) Benzene-d6	8.276	84	292029	20.636	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.560%
36) 1,2-Dichloropropane-d6	9.276	67	88515	20.259	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.040%
41) Toluene-d8	10.325	98	277063	21.848	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.400%
43) trans-1,3-Dichloroprop...	10.575	79	37365	21.345	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.400%
47) 2-Hexanone-d5	10.922	63	33402	49.959	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.920%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	76229	23.434	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.720%
66) 1,2-Dichlorobenzene-d4	13.849	152	88346	21.368	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.480%

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	4.045	96	145824m	44.074	ug/L
13) Acetone	4.119	43	75976	76.404	ug/L
16) Methylene chloride	4.917	84	305064	74.639	ug/L
17) trans-1,2-Dichloroethene	5.435	96	113887	31.224	ug/L
18) Methyl tert-butyl Ether	5.429	73	246087	42.810	ug/L
19) 1,1-Dichloroethane	6.222	63	601343	81.193	ug/L
22) 2-Butanone	7.167	43	232883	197.844	ug/L
25) Chloroform	7.679	83	644639	85.696	ug/L
31) Carbon tetrachloride	8.069	117	85159	15.773	ug/L
33) Benzene	8.325	78	985071	65.590	ug/L
34) Trichloroethene	9.093	95	389345	96.034	ug/L
37) 1,2-Dichloropropane	9.368	63	140234	34.450	ug/L
39) cis-1,3-Dichloropropene	10.069	75	374750	62.930	ug/L
40) 4-Methyl-2-pentanone	10.209	43	301741	145.069	ug/L
44) trans-1,3-Dichloropropene	10.605	75	354461	70.757	ug/L
45) 1,1,2-Trichloroethane	10.782	97	139109	46.964	ug/L
50) 1,2-Dibromoethane	11.233	107	123252	45.127	ug/L
53) m,p-Xylene	11.831	106	343818	51.082	ug/L
54) o-Xylene	12.160	106	418357	66.054	ug/L

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092424\
 Data File : VW030224.D
 Acq On : 24 Sep 2024 15:15
 Operator : SY/MD
 Sample : P4131-20
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E66

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/25/2024
 Supervised By :Semsettin Yesilyurt 09/25/2024

Quant Time: Sep 25 01:21:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Sep 25 01:17:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.708	83	160471	45.388	ug/L	100
59) Bromoform	12.343	173	32776	17.003	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	181568	71.658	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	295991	37.243	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	299097	36.427	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.483	75	11377	20.588	ug/L #	89
70) 1,2,4-trichlorobenzene	15.123	180	84329	18.766	ug/L	98

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

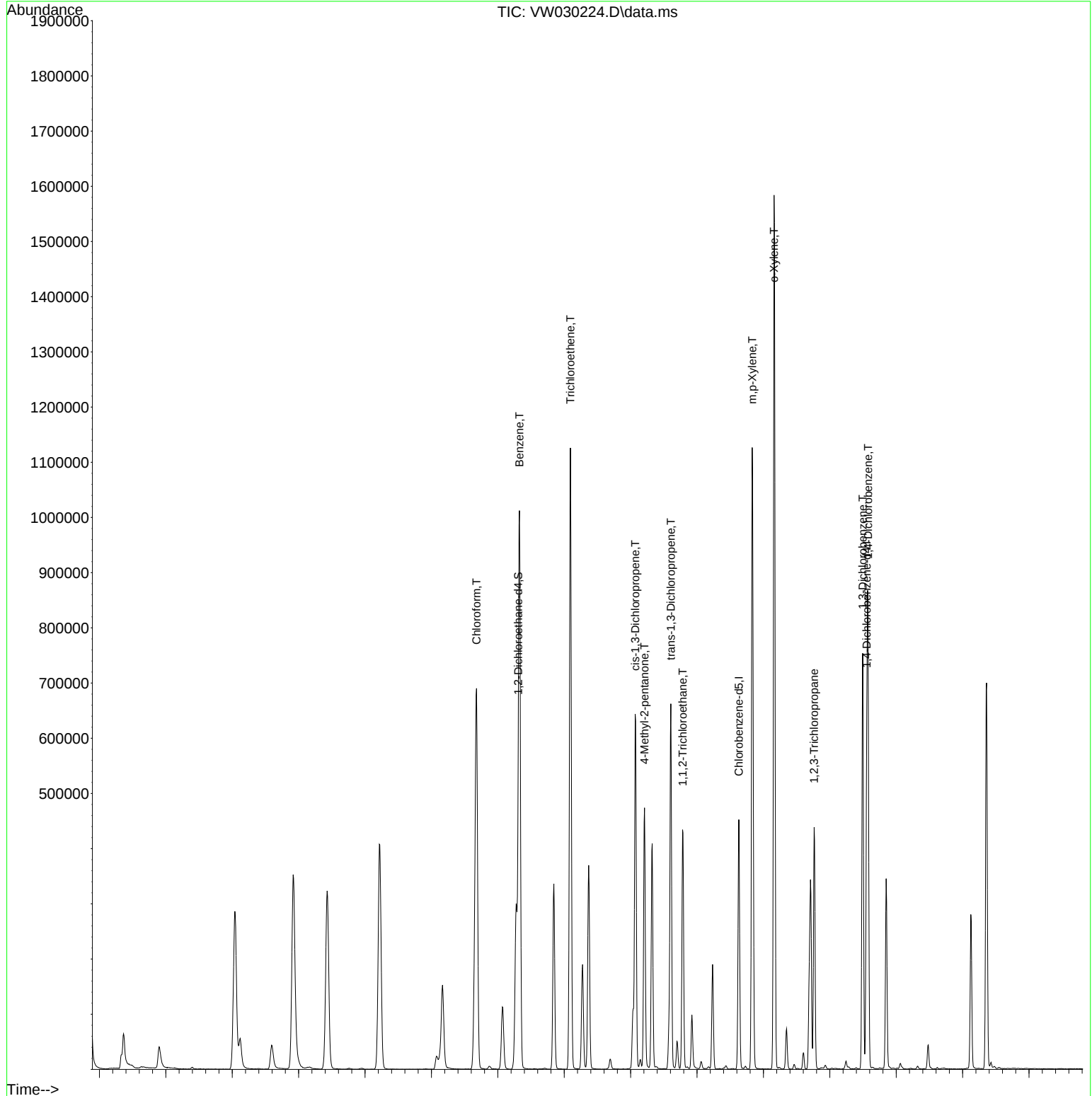
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092424\
Data File : VW030224.D
Acq On : 24 Sep 2024 15:15
Operator : SY/MD
Sample : P4131-20
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

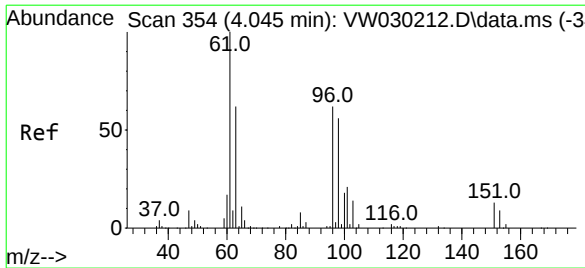
Instrument :
MSVOA_W
ClientSampleId :
A4E66

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024

Quant Time: Sep 25 01:21:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Sep 25 01:17:29 2024
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 44.074 ug/L m

RT: 4.045 min Scan# 35

Delta R.T. 0.000 min

Lab File: VW030224.D

Acq: 24 Sep 2024 15:15

Instrument :

MSVOA_W

ClientSampleId :

A4E66

Tgt Ion: 96 Resp: 145824

Ion Ratio Lower Upper

96 100

61 173.6 124.0 230.4

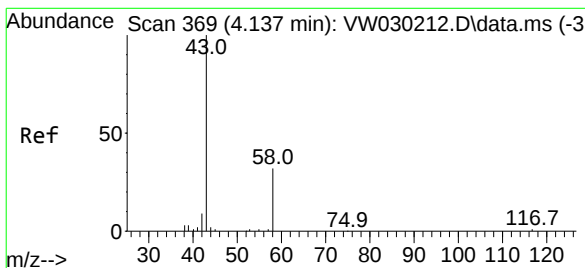
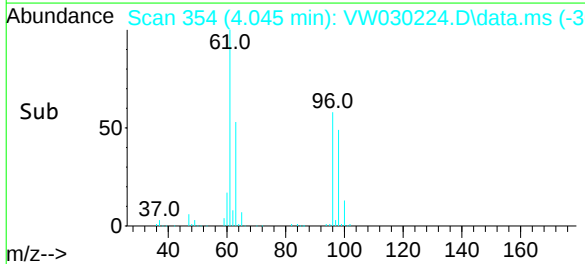
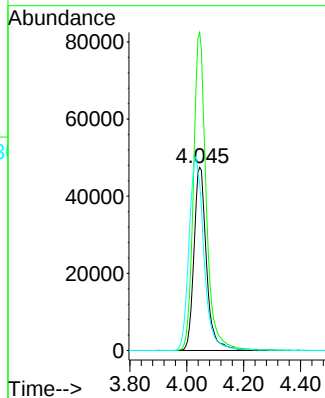
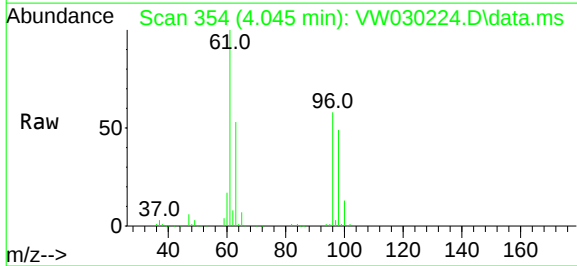
63 91.2 93.3 173.3#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/25/2024

Supervised By :Semsettin Yesilyurt 09/25/2024



#13

Acetone

Concen: 76.404 ug/L

RT: 4.119 min Scan# 366

Delta R.T. -0.018 min

Lab File: VW030224.D

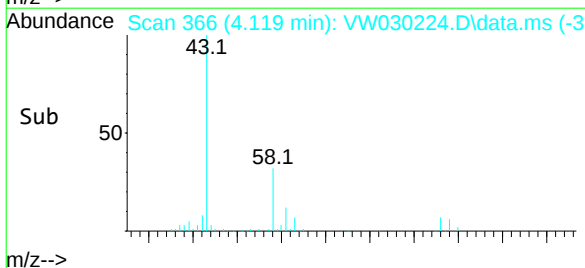
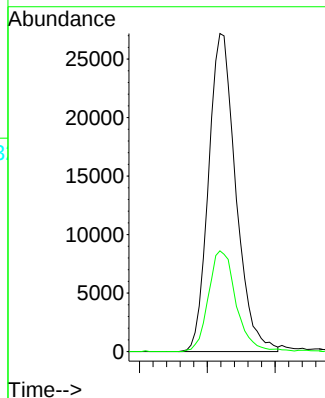
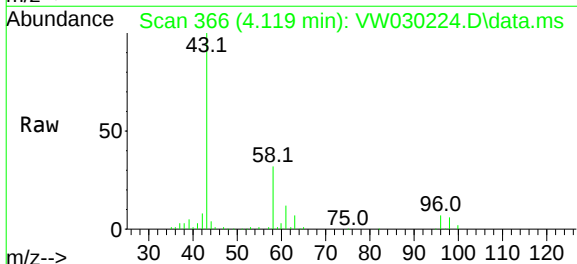
Acq: 24 Sep 2024 15:15

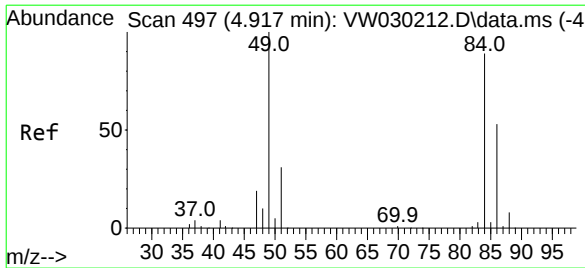
Tgt Ion: 43 Resp: 75976

Ion Ratio Lower Upper

43 100

58 31.7 0.0 65.0





#16

Methylene chloride

Concen: 74.639 ug/L

RT: 4.917 min Scan# 49

Delta R.T. 0.000 min

Lab File: VW030224.D

Acq: 24 Sep 2024 15:15

Instrument :

MSVOA_W

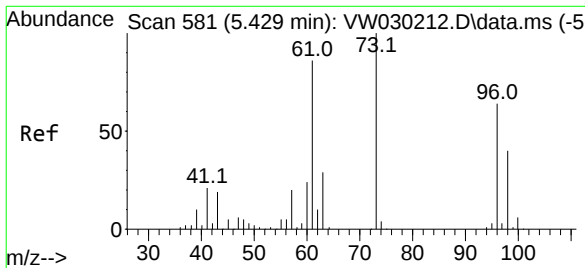
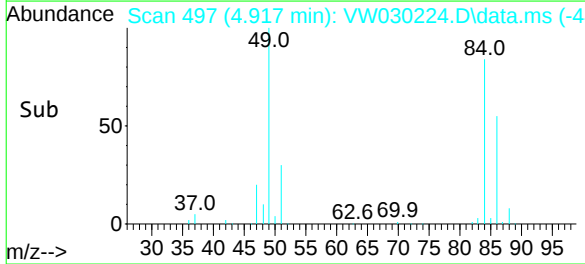
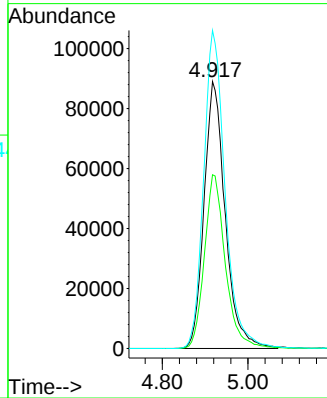
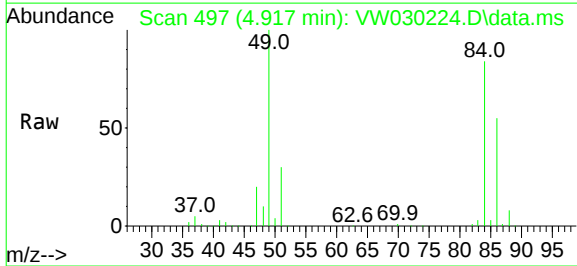
ClientSampleId :

A4E66

Tgt Ion:	84	Resp:	305064
Ion	Ratio	Lower	Upper
84	100		
86	65.1	44.6	82.8
49	119.1	83.8	155.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#17

trans-1,2-Dichloroethene

Concen: 31.224 ug/L

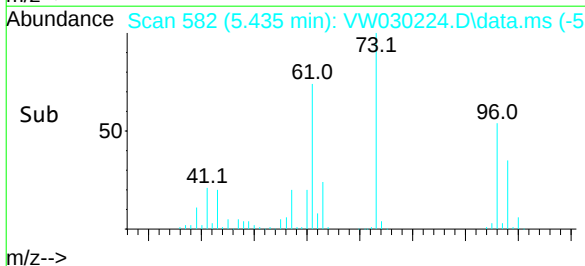
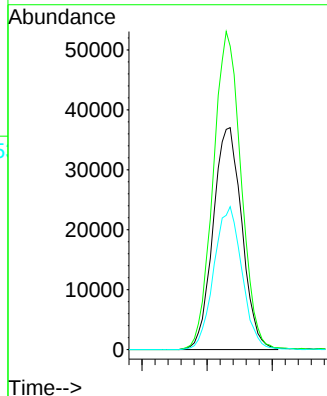
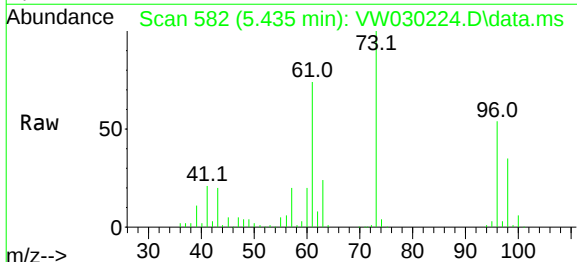
RT: 5.435 min Scan# 582

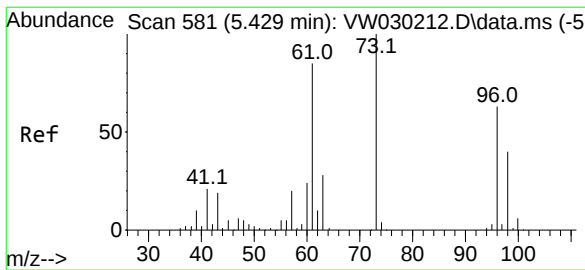
Delta R.T. 0.006 min

Lab File: VW030224.D

Acq: 24 Sep 2024 15:15

Tgt Ion:	96	Resp:	113887
Ion	Ratio	Lower	Upper
96	100		
61	136.7	100.8	187.2
98	64.4	43.0	80.0





#18

Methyl tert-butyl Ether

Concen: 42.810 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW030224.D

Acq: 24 Sep 2024 15:15

Instrument :

MSVOA_W

ClientSampleId :

A4E66

Tgt Ion: 73 Resp: 246087

Ion Ratio Lower Upper

73 100

43 20.6 15.7 23.5

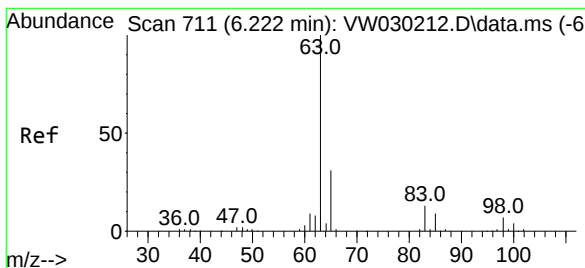
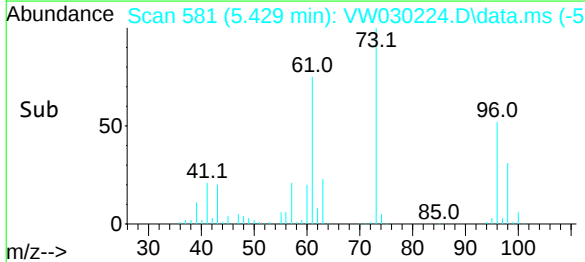
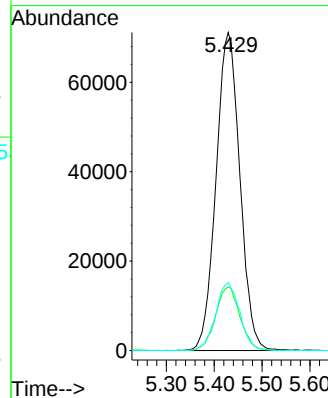
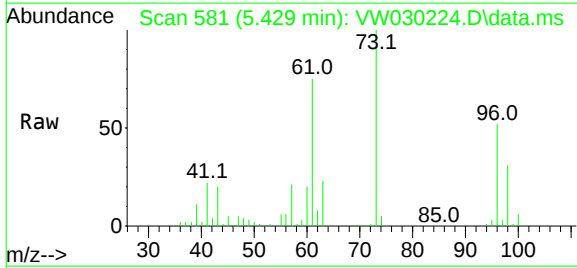
57 21.5 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/25/2024

Supervised By :Semsettin Yesilyurt 09/25/2024



#19

1,1-Dichloroethane

Concen: 81.193 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.000 min

Lab File: VW030224.D

Acq: 24 Sep 2024 15:15

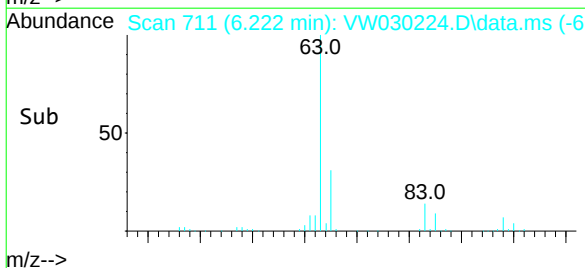
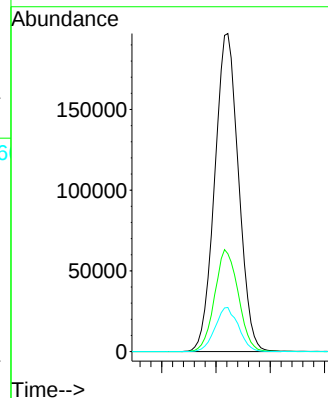
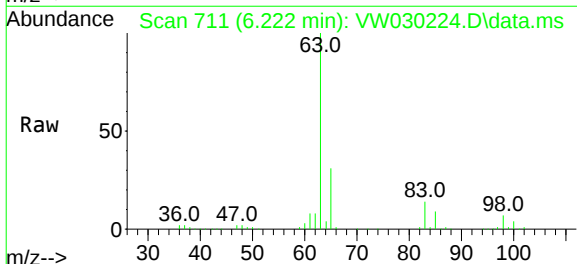
Tgt Ion: 63 Resp: 601343

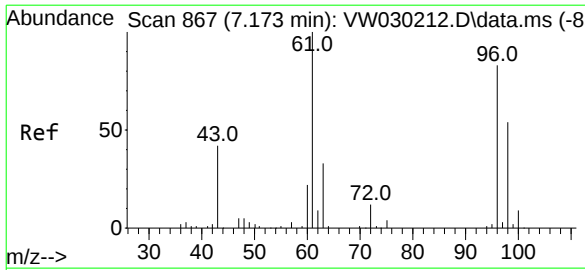
Ion Ratio Lower Upper

63 100

65 30.8 21.6 40.0

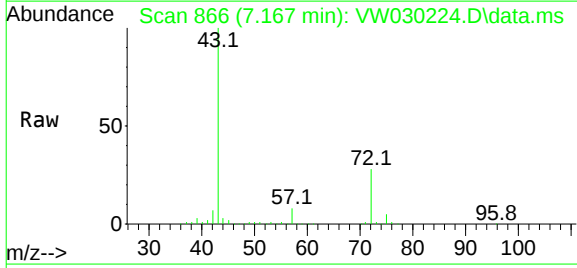
83 13.9 9.0 16.8





#22
2-Butanone
Concen: 197.844 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW030224.D
Acq: 24 Sep 2024 15:15

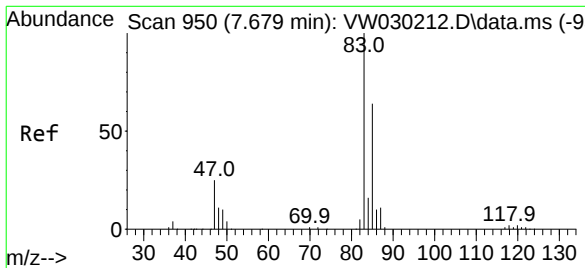
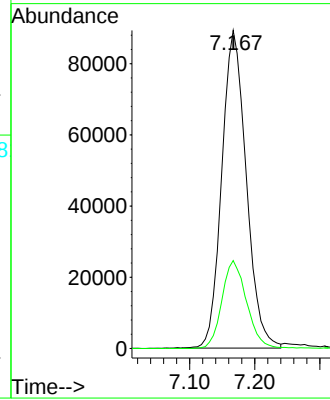
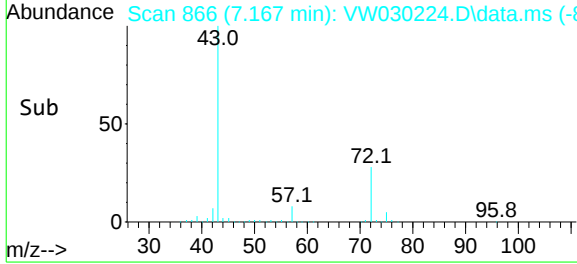
Instrument :
MSVOA_W
ClientSampleId :
A4E66



Tgt Ion: 43 Resp: 232883
Ion Ratio Lower Upper
43 100
72 27.8 13.9 41.7

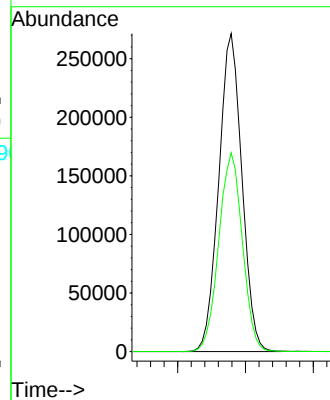
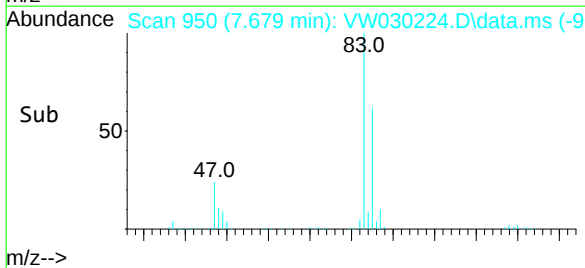
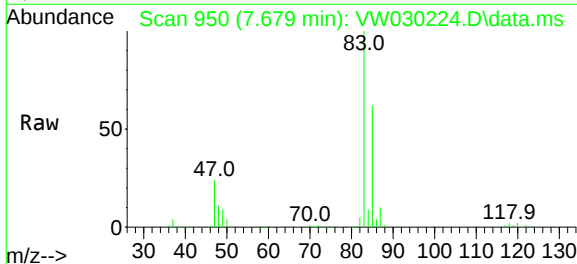
Manual Integrations
APPROVED

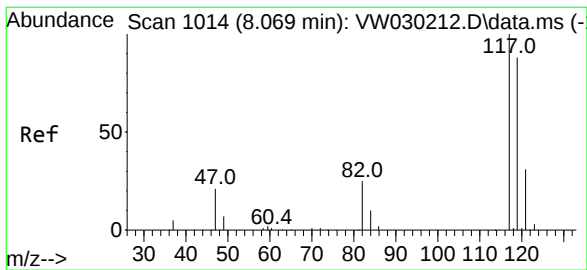
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#25
Chloroform
Concen: 85.696 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.000 min
Lab File: VW030224.D
Acq: 24 Sep 2024 15:15

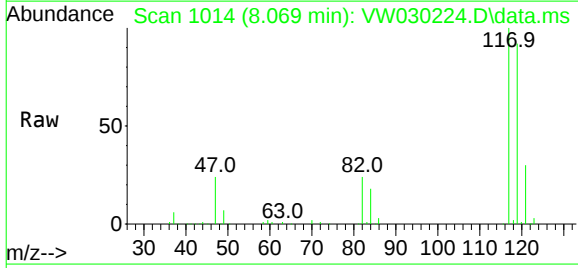
Tgt Ion: 83 Resp: 644639
Ion Ratio Lower Upper
83 100
85 62.5 46.1 85.5





#31
Carbon tetrachloride
Concen: 15.773 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW030224.D
Acq: 24 Sep 2024 15:15

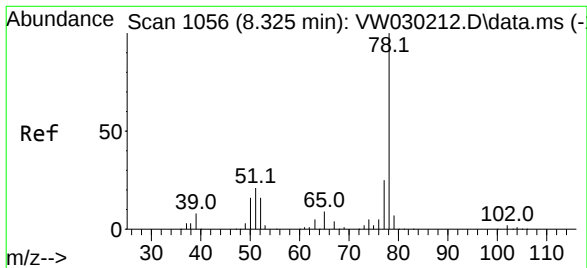
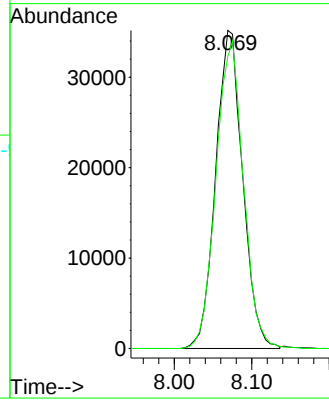
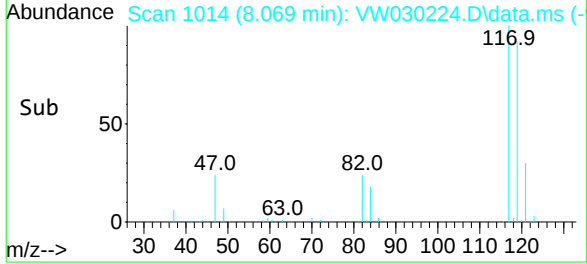
Instrument :
MSVOA_W
ClientSampleId :
A4E66



Tgt Ion:117 Resp: 85159
Ion Ratio Lower Upper
117 100
119 98.7 76.2 114.4

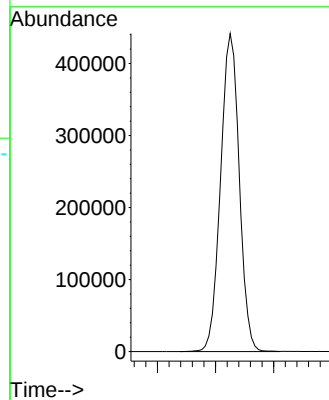
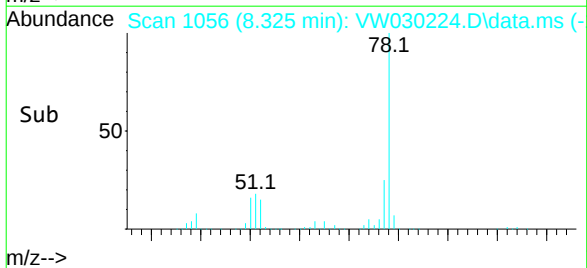
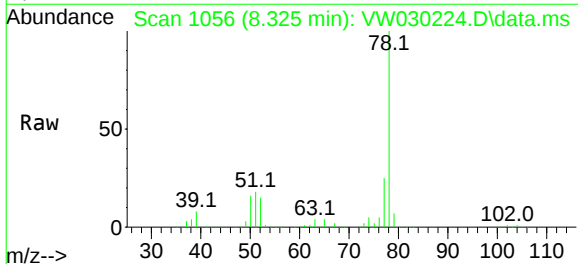
Manual Integrations
APPROVED

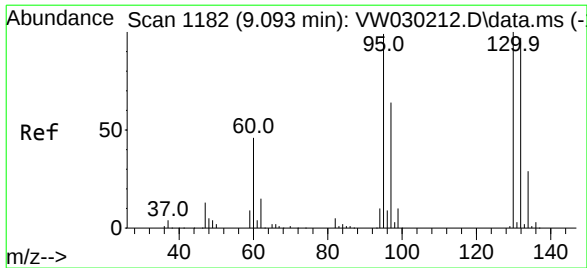
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#33
Benzene
Concen: 65.590 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW030224.D
Acq: 24 Sep 2024 15:15

Tgt Ion: 78 Resp: 985071





#34

Trichloroethene

Concen: 96.034 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW030224.D

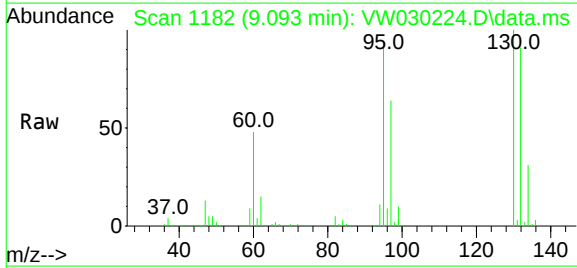
Acq: 24 Sep 2024 15:15

Instrument :

MSVOA_W

ClientSampleId :

A4E66



Tgt Ion: 95 Resp: 389345

Ion Ratio Lower Upper

95 100

97 67.6 45.2 84.0

132 96.0 64.8 120.3

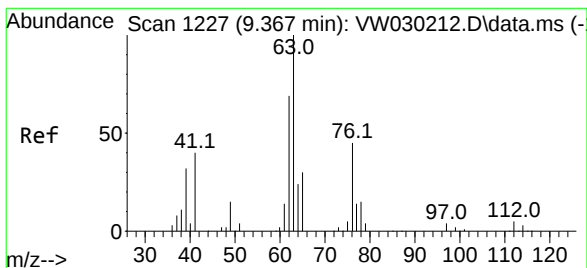
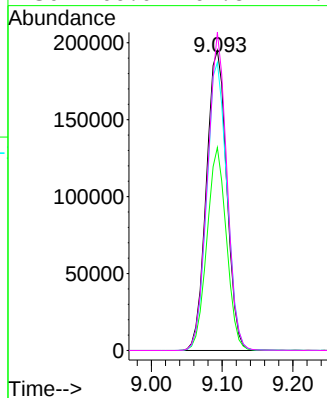
130 106.0 69.8 129.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/25/2024

Supervised By :Semsettin Yesilyurt 09/25/2024



#37

1,2-Dichloropropane

Concen: 34.450 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW030224.D

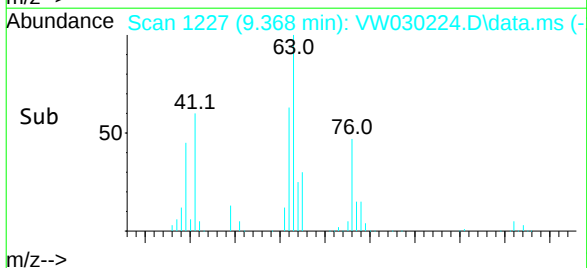
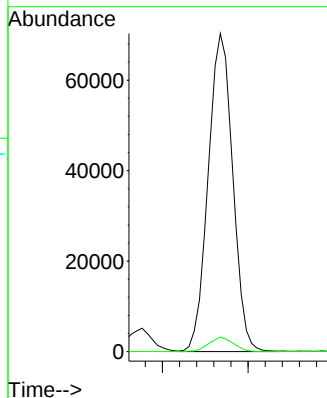
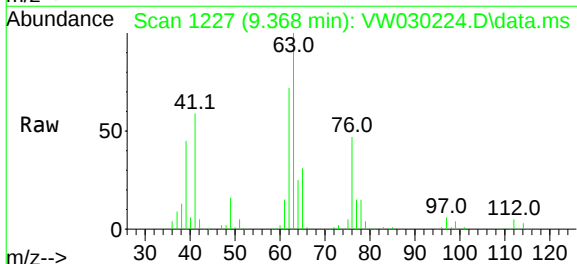
Acq: 24 Sep 2024 15:15

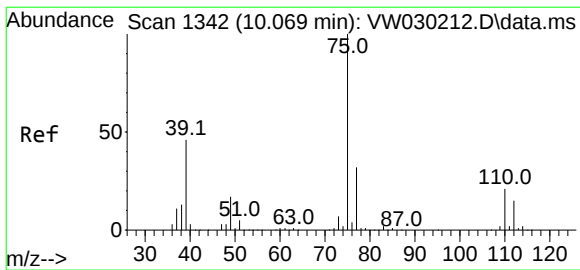
Tgt Ion: 63 Resp: 140234

Ion Ratio Lower Upper

63 100

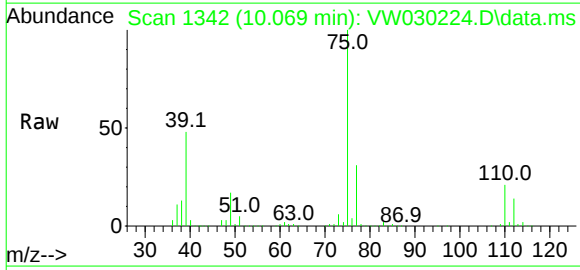
112 4.5 3.5 5.3





#39
cis-1,3-Dichloropropene
Concen: 62.930 ug/L
RT: 10.069 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VW030224.D
Acq: 24 Sep 2024 15:15

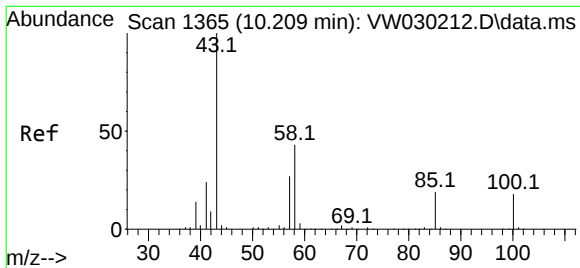
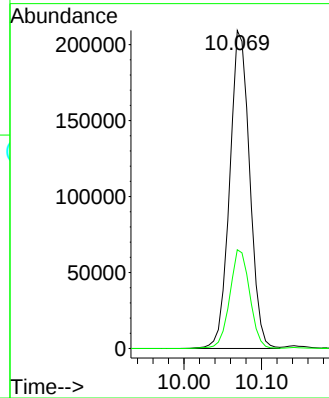
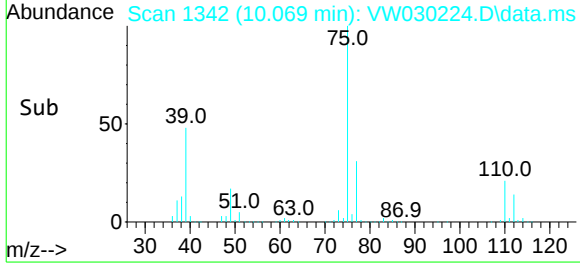
Instrument :
MSVOA_W
ClientSampleId :
A4E66



Tgt Ion: 75 Resp: 374750
Ion Ratio Lower Upper
75 100
77 31.0 20.7 38.5

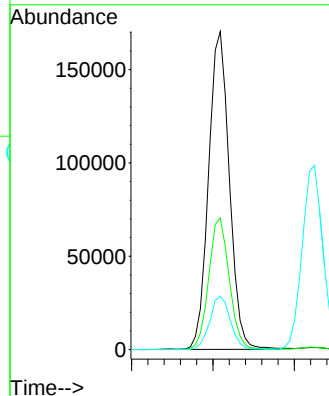
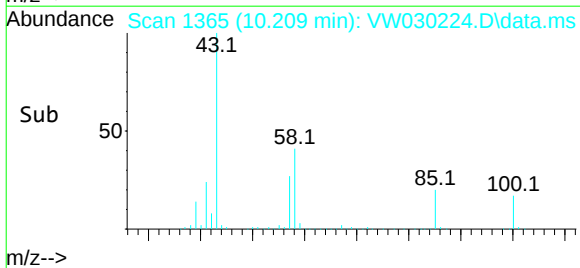
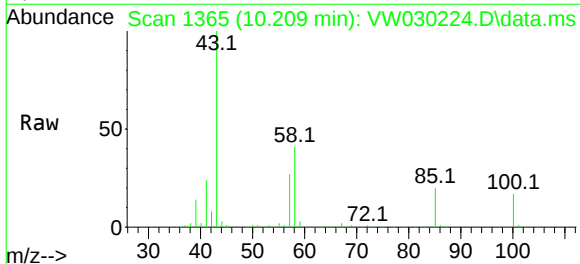
Manual Integrations
APPROVED

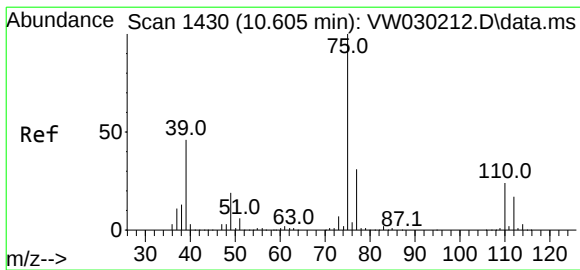
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#40
4-Methyl-2-pentanone
Concen: 145.069 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. 0.000 min
Lab File: VW030224.D
Acq: 24 Sep 2024 15:15

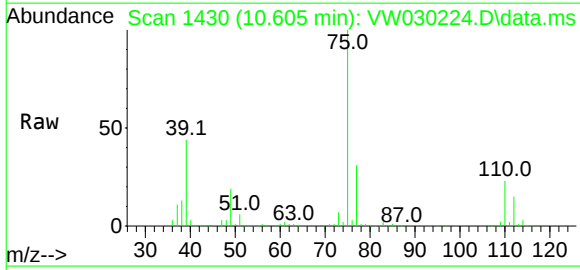
Tgt Ion: 43 Resp: 301741
Ion Ratio Lower Upper
43 100
58 41.1 32.7 49.1
100 16.8 12.7 19.1





#44
trans-1,3-Dichloropropene
Concen: 70.757 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW030224.D
Acq: 24 Sep 2024 15:15

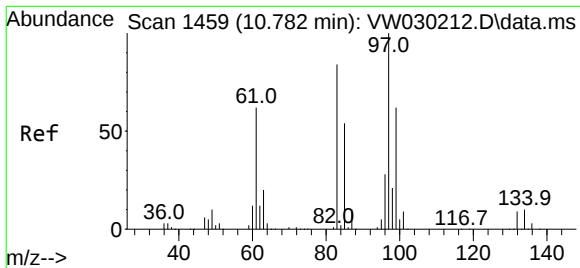
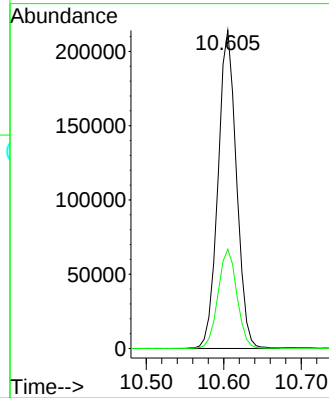
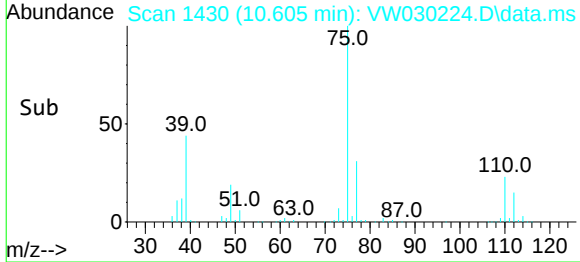
Instrument :
MSVOA_W
ClientSampleId :
A4E66



Tgt Ion: 75 Resp: 354461
Ion Ratio Lower Upper
75 100
77 31.2 21.2 39.4

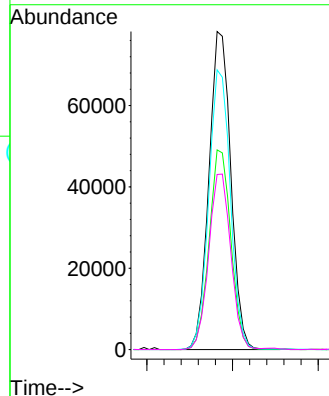
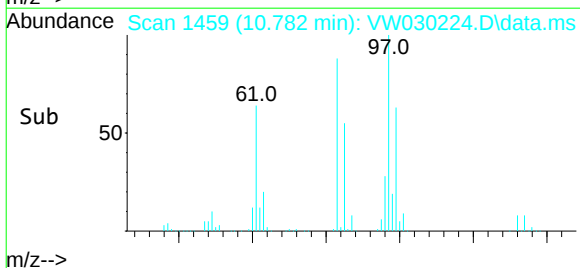
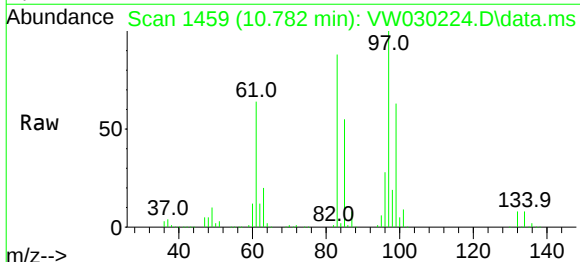
Manual Integrations
APPROVED

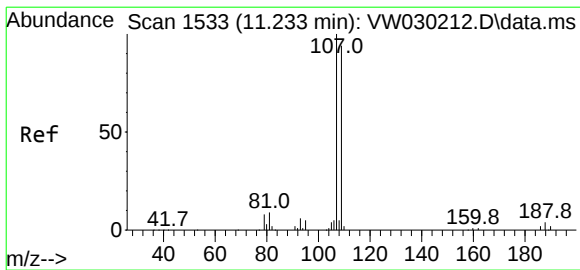
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#45
1,1,2-Trichloroethane
Concen: 46.964 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VW030224.D
Acq: 24 Sep 2024 15:15

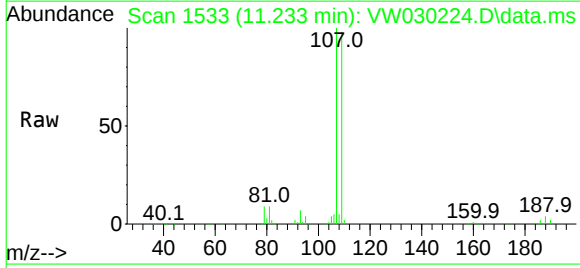
Tgt Ion: 97 Resp: 139109
Ion Ratio Lower Upper
97 100
99 62.8 45.6 84.8
83 88.0 64.0 119.0
85 55.1 38.9 72.3





1,2-Dibromoethane
 Concen: 45.127 ug/L
 RT: 11.233 min Scan# 1533
 Delta R.T. 0.000 min
 Lab File: VW030224.D
 Acq: 24 Sep 2024 15:15

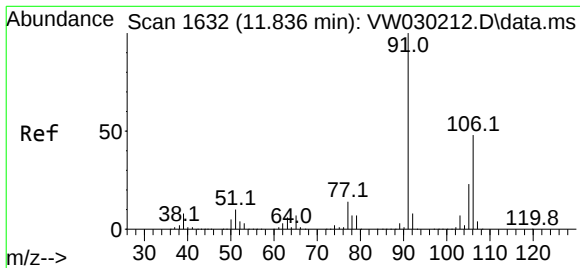
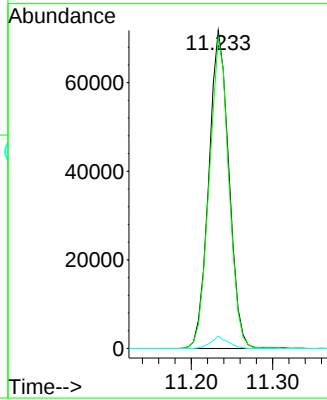
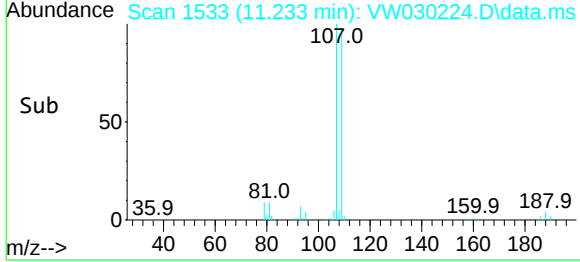
Instrument :
 MSVOA_W
 ClientSampleId :
 A4E66



Tgt Ion:	107	Resp:	123252
Ion Ratio	Lower	Upper	
107	100		
109	97.7	68.7	127.7
188	3.9	2.6	4.0

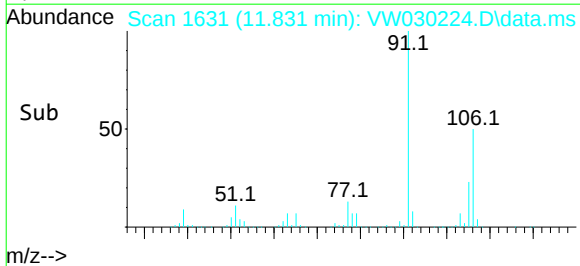
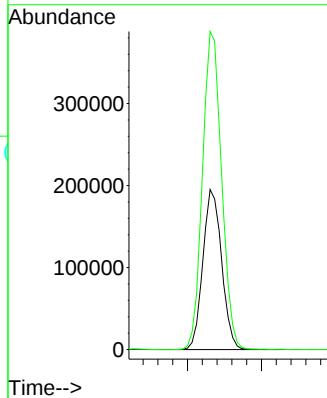
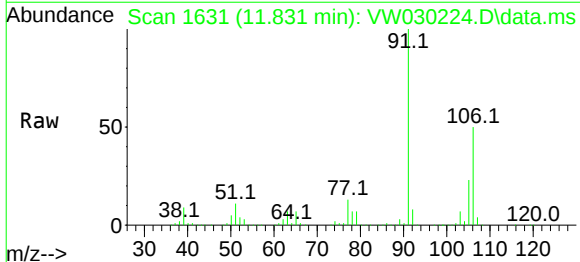
Manual Integrations
 APPROVED

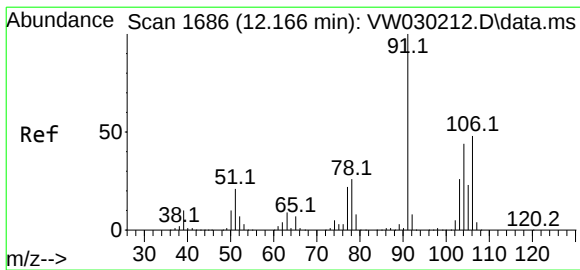
Reviewed By :Mahesh Dadoda 09/25/2024
 Supervised By :Semsettin Yesilyurt 09/25/2024



m,p-Xylene
 Concen: 51.082 ug/L
 RT: 11.831 min Scan# 1631
 Delta R.T. -0.006 min
 Lab File: VW030224.D
 Acq: 24 Sep 2024 15:15

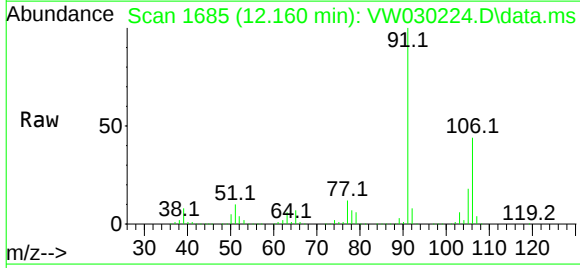
Tgt Ion:	106	Resp:	343818
Ion Ratio	Lower	Upper	
106	100		
91	198.8	152.9	283.9





#54
o-Xylene
Concen: 66.054 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW030224.D
Acq: 24 Sep 2024 15:15

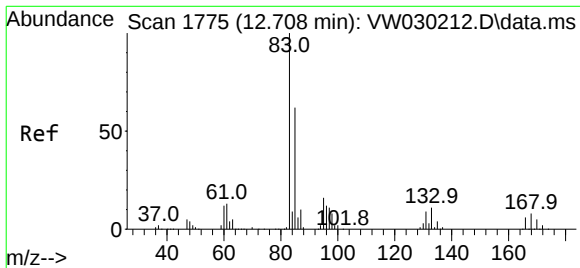
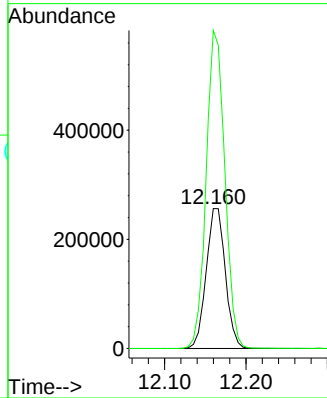
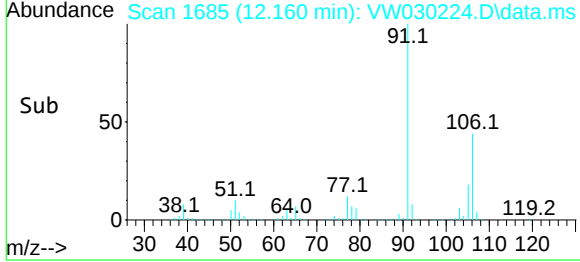
Instrument :
MSVOA_W
ClientSampleId :
A4E66



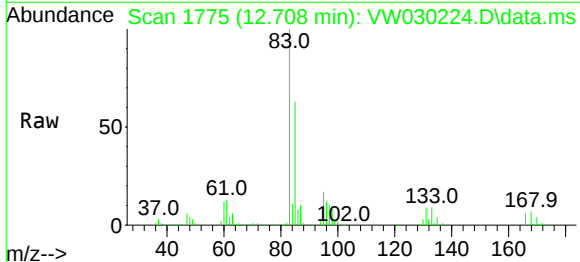
Tgt Ion:106 Resp: 418357
Ion Ratio Lower Upper
106 100
91 227.4 158.1 293.7

Manual Integrations
APPROVED

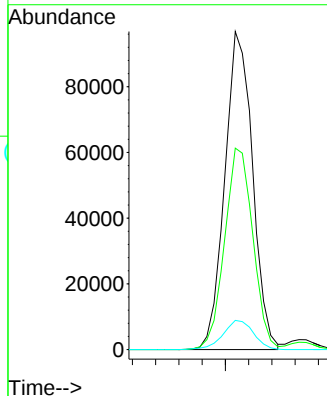
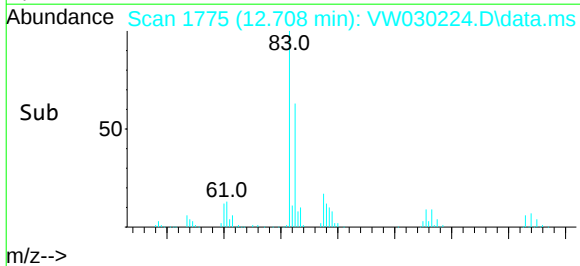
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024

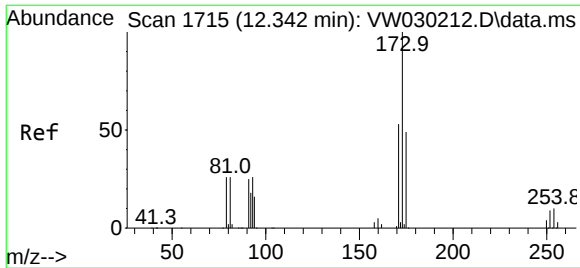


#57
1,1,2,2-Tetrachloroethane
Concen: 45.388 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VW030224.D
Acq: 24 Sep 2024 15:15



Tgt Ion: 83 Resp: 160471
Ion Ratio Lower Upper
83 100
85 63.3 44.5 82.7
131 9.2 7.4 11.2





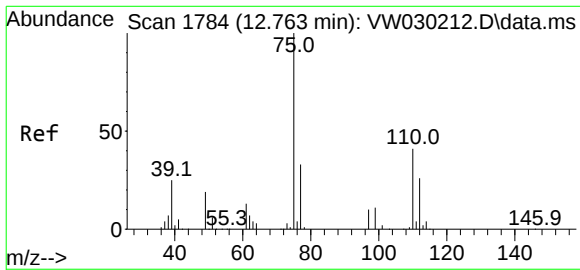
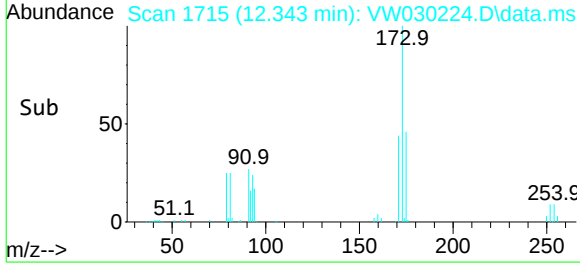
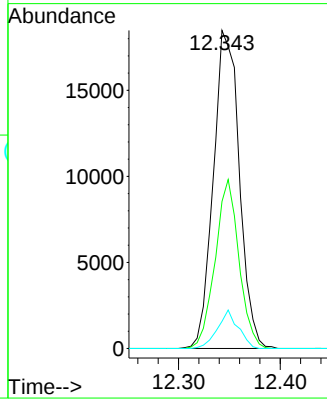
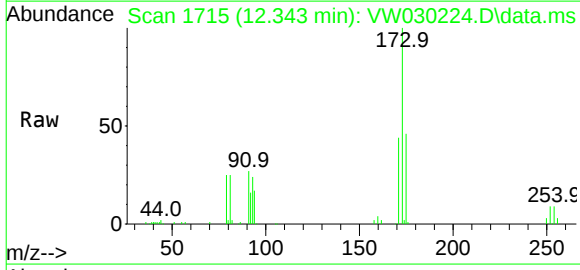
#59
Bromoform
Concen: 17.003 ug/L
RT: 12.343 min Scan# 1715
Delta R.T. 0.000 min
Lab File: VW030224.D
Acq: 24 Sep 2024 15:15

Instrument :
MSVOA_W
ClientSampleId :
A4E66

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.6	57.8
254	9.7	7.7	11.5

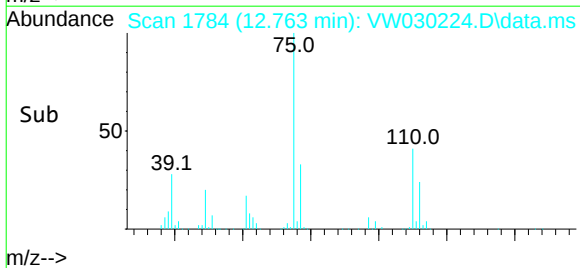
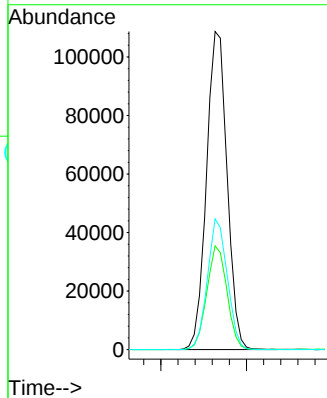
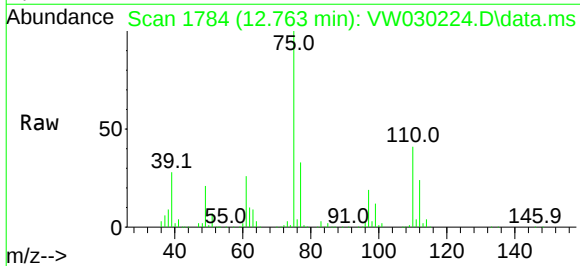
Manual Integrations
APPROVED

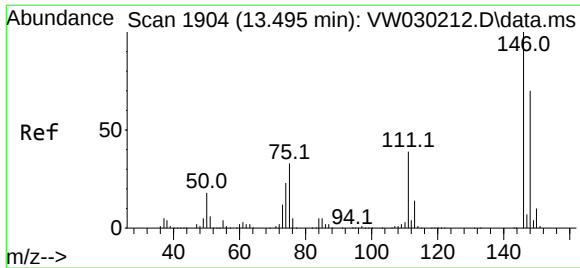
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#61
1,2,3-Trichloropropane
Concen: 71.658 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW030224.D
Acq: 24 Sep 2024 15:15

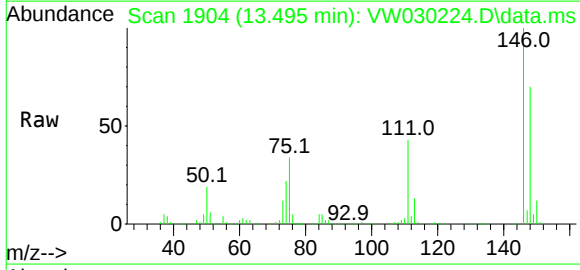
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.2	39.2
110	39.7	29.7	44.5





#64
1,3-Dichlorobenzene
Concen: 37.243 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW030224.D
Acq: 24 Sep 2024 15:15

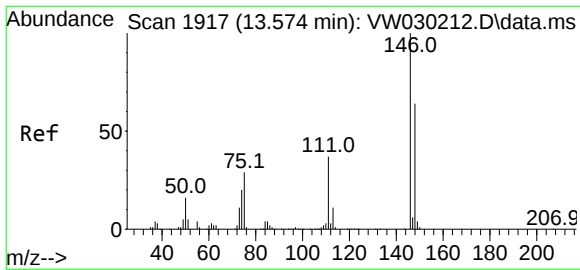
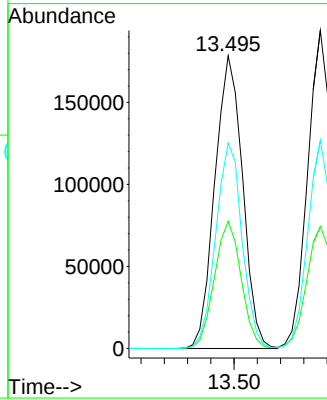
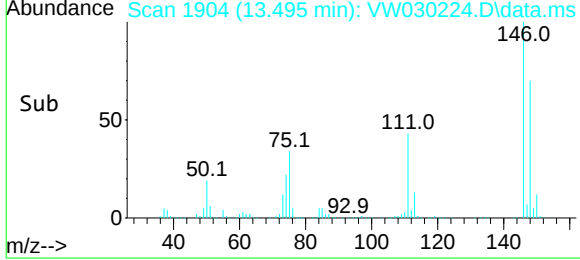
Instrument :
MSVOA_W
ClientSampleId :
A4E66



Tgt Ion:	146	Resp:	295991
Ion	Ratio	Lower	Upper
146	100		
111	43.5	31.9	59.3
148	70.1	47.7	88.5

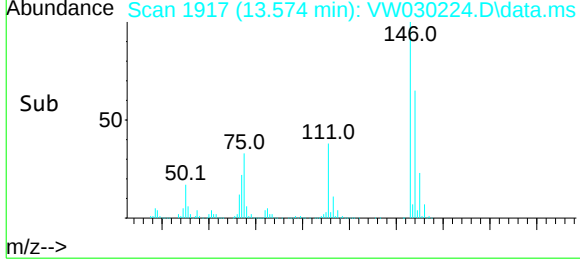
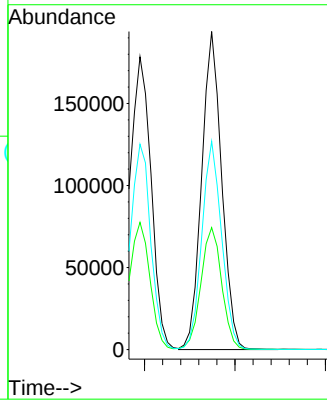
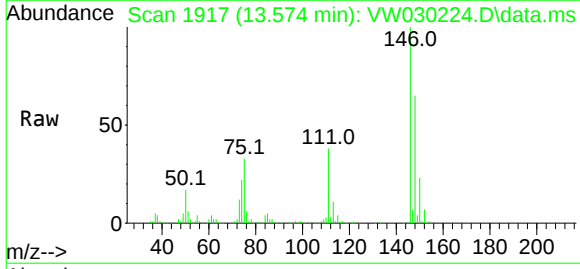
Manual Integrations
APPROVED

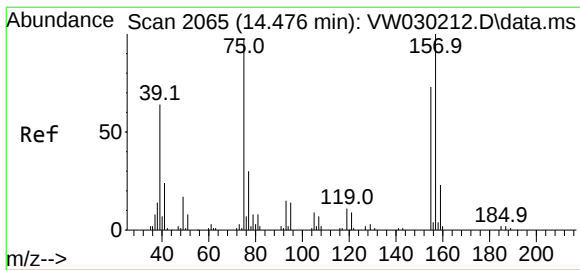
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#65
1,4-Dichlorobenzene
Concen: 36.427 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW030224.D
Acq: 24 Sep 2024 15:15

Tgt Ion:	146	Resp:	299097
Ion	Ratio	Lower	Upper
146	100		
111	38.3	29.5	54.7
148	65.5	44.4	82.5





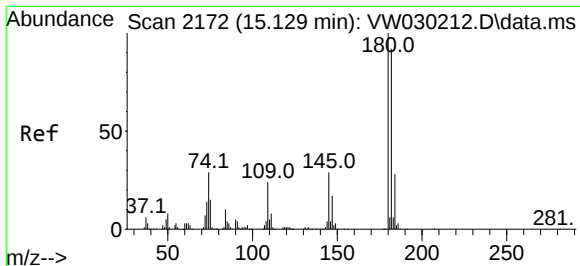
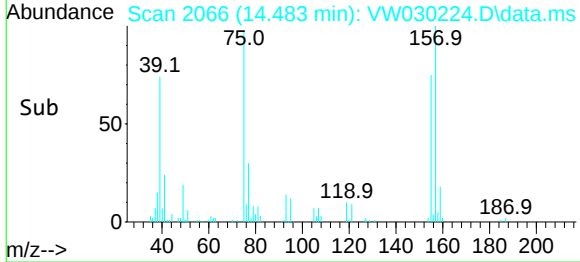
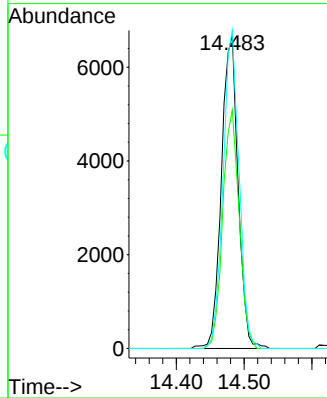
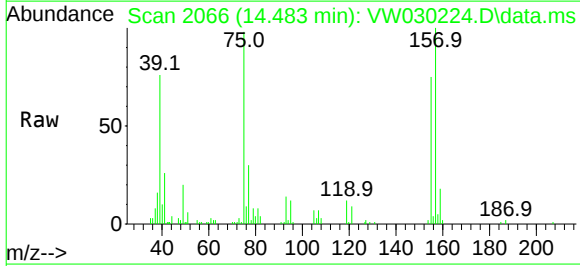
#68
1,2-Dibromo-3-chloropropane
Concen: 20.588 ug/L
RT: 14.483 min Scan# 2065
Delta R.T. 0.006 min
Lab File: VW030224.D
Acq: 24 Sep 2024 15:15

Instrument :
MSVOA_W
ClientSampleId :
A4E66

Tgt Ion: 75 Resp: 11377
Ion Ratio Lower Upper
75 100
155 76.1 60.5 90.7
157 101.6 66.9 100.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#70
1,2,4-trichlorobenzene
Concen: 18.766 ug/L
RT: 15.123 min Scan# 2171
Delta R.T. -0.006 min
Lab File: VW030224.D
Acq: 24 Sep 2024 15:15

Tgt Ion:180 Resp: 84329
Ion Ratio Lower Upper
180 100
182 93.3 73.4 110.2
145 31.6 24.0 36.0

