

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101824\
 Data File : VW030661.D
 Acq On : 18 Oct 2024 13:47
 Operator : SY/MD
 Sample : P4429-01DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E93DL

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/21/2024
 Supervised By :Semsettin Yesilyurt 10/21/2024

Quant Time: Oct 19 00:26:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Oct 19 00:23:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	249708	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	230258	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	115289	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	66546	16.954	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	67.800%		
7) Chloroethane-d5	2.893	69	59942	20.175	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	80.720%		
11) 1,1-Dichloroethene-d2	4.021	65	29809	18.259	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	73.040%		
21) 2-Butanone-d5	7.081	46	35295	49.968	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	99.940%		
24) Chloroform-d	7.648	84	166153	23.267	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	93.080%		
26) 1,2-Dichloroethane-d4	8.307	65	81417m	21.925	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	87.720%		
32) Benzene-d6	8.276	84	270004	20.204	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	80.800%		
36) 1,2-Dichloropropane-d6	9.276	67	87400	22.282	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	89.120%		
41) Toluene-d8	10.325	98	256456	21.021	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	84.080%		
43) trans-1,3-Dichloroprop...	10.575	79	34166	20.801	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	83.200%		
47) 2-Hexanone-d5	10.922	63	26114	51.689	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	103.380%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	73577	25.542	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	102.160%		
66) 1,2-Dichlorobenzene-d4	13.848	152	81056	20.779	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	83.120%		
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.045	96	76764	22.913	ug/L	87
13) Acetone	4.124	43	31120	30.093	ug/L	78
16) Methylene chloride	4.917	84	166925	44.218	ug/L	97
17) trans-1,2-Dichloroethene	5.435	96	59674	16.507	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	121498	24.014	ug/L	99
19) 1,1-Dichloroethane	6.216	63	333930	49.700	ug/L	99
22) 2-Butanone	7.167	43	111755	100.255	ug/L	95
25) Chloroform	7.679	83	353271	49.201	ug/L	96
31) Carbon tetrachloride	8.069	117	48179	8.825	ug/L	100
33) Benzene	8.325	78	541752	36.155	ug/L	100
34) Trichloroethene	9.093	95	210673	50.537	ug/L	97
37) 1,2-Dichloropropane	9.367	63	76118	20.340	ug/L	100
39) cis-1,3-Dichloropropene	10.075	75	192925	34.177	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	151991	84.540	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	183437	38.671	ug/L	97
45) 1,1,2-Trichloroethane	10.788	97	74040	27.375	ug/L	95
50) 1,2-Dibromoethane	11.233	107	64651	25.617	ug/L	96
53) m,p-Xylene	11.830	106	175876	25.736	ug/L	95
54) o-Xylene	12.160	106	226529	35.855	ug/L	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101824\
 Data File : VW030661.D
 Acq On : 18 Oct 2024 13:47
 Operator : SY/MD
 Sample : P4429-01DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E93DL

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/21/2024
 Supervised By :Semsettin Yesilyurt 10/21/2024

Quant Time: Oct 19 00:26:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Oct 19 00:23:37 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.714	83	83880	27.501	ug/L	97
59) Bromoform	12.349	173	15734	9.714	ug/L	97
61) 1,2,3-Trichloropropane	12.763	75	92840	41.383	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	156661	20.159	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	156216	19.468	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.476	75	6034	12.063	ug/L	95
70) 1,2,4-trichlorobenzene	15.122	180	42857	10.388	ug/L	96

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

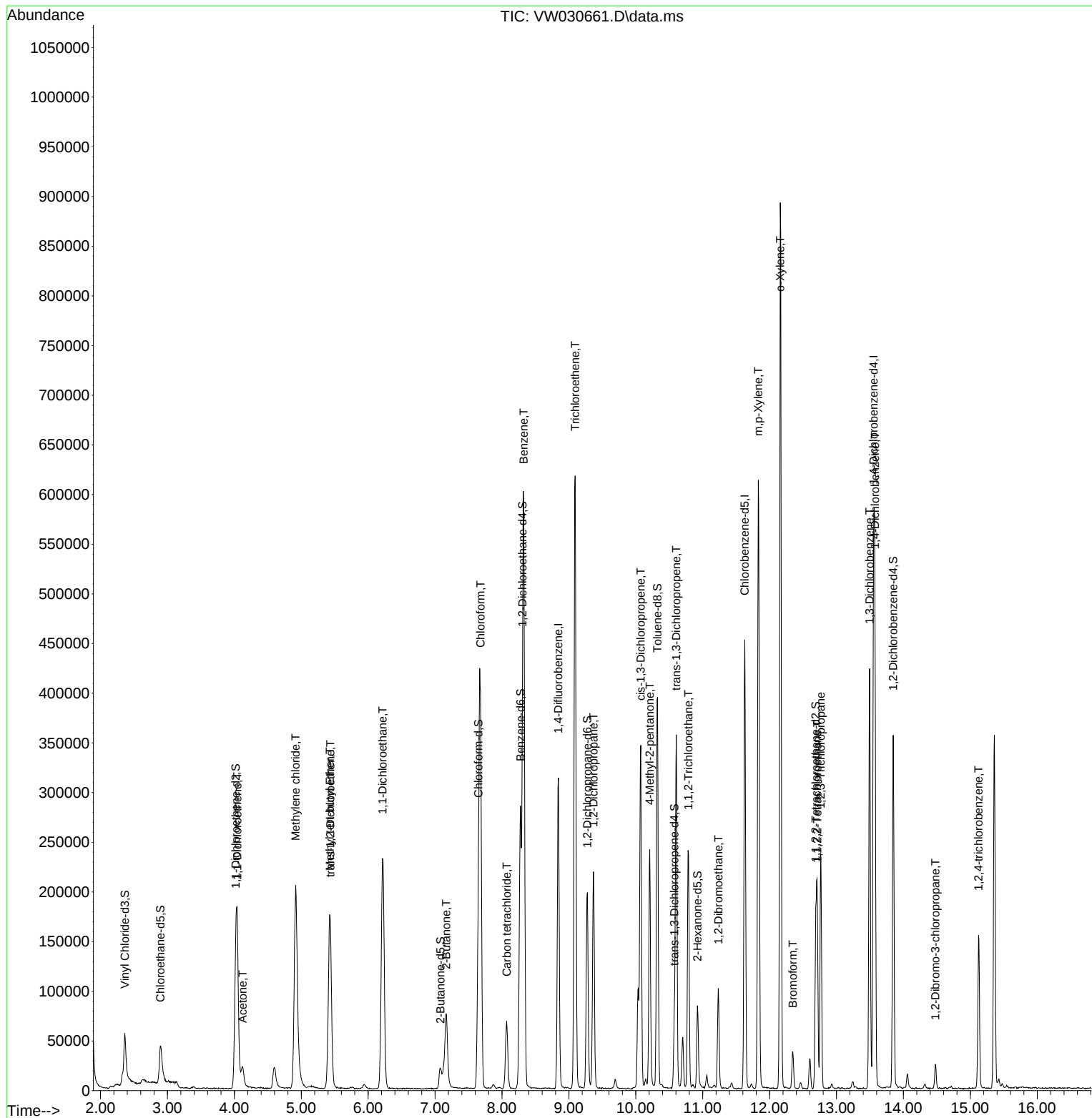
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101824\
Data File : VW030661.D
Acq On : 18 Oct 2024 13:47
Operator : SY/MD
Sample : P4429-01DL 2X
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

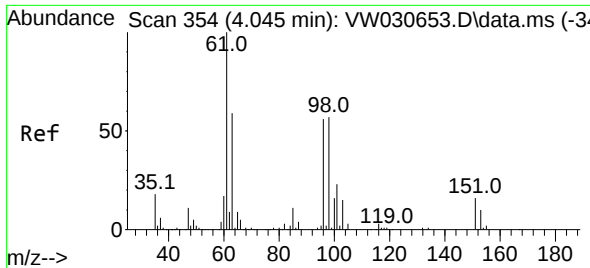
Instrument :
MSVOA_W
ClientSampleId :
A4E93DL

Quant Time: Oct 19 00:26:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Oct 19 00:23:37 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

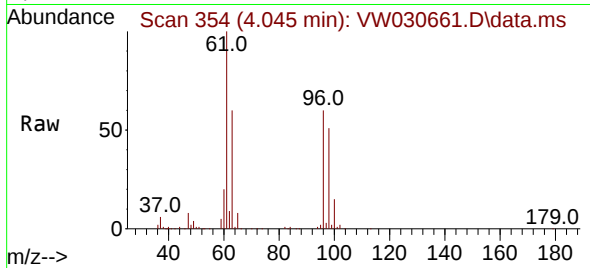
Reviewed By :Mahesh Dadoda 10/21/2024
Supervised By :Semsettin Yesilyurt 10/21/2024





#12
1,1-Dichloroethene
Concen: 22.913 ug/L
RT: 4.045 min Scan# 354
Delta R.T. -0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

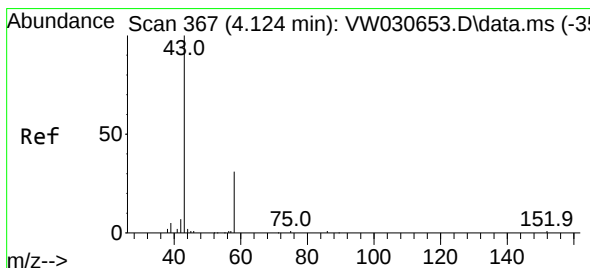
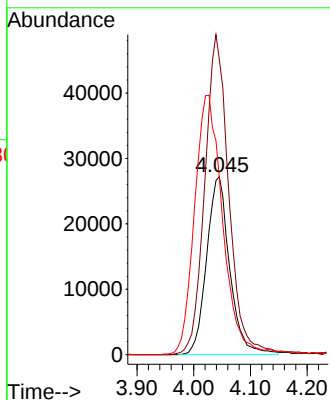
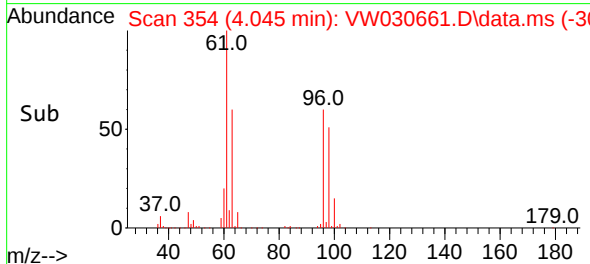
Instrument :
MSVOA_W
ClientSampleId :
A4E93DL



Tgt Ion: 96 Resp: 76764
Ion Ratio Lower Upper
96 100
61 165.7 121.3 225.3
63 99.4 87.6 162.8

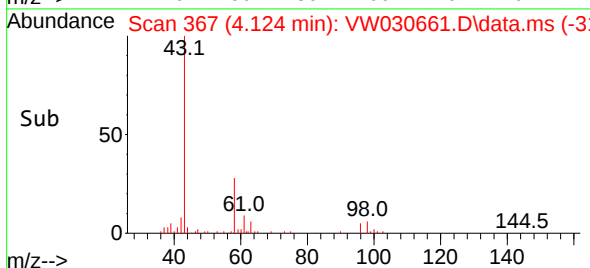
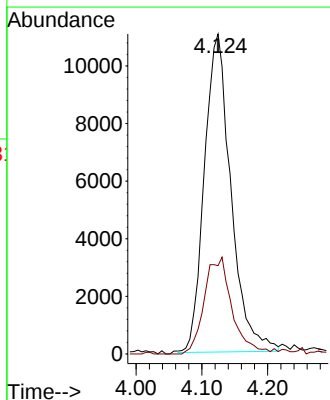
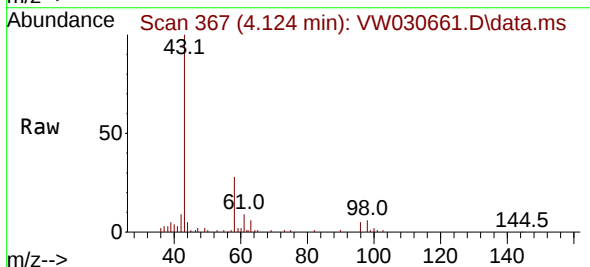
Manual Integrations
APPROVED

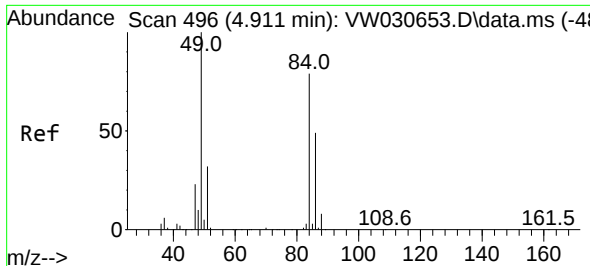
Reviewed By :Mahesh Dadoda 10/21/2024
Supervised By :Semsettin Yesilyurt 10/21/2024



#13
Acetone
Concen: 30.093 ug/L
RT: 4.124 min Scan# 367
Delta R.T. -0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

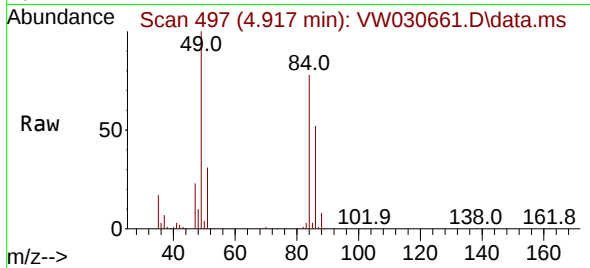
Tgt Ion: 43 Resp: 31120
Ion Ratio Lower Upper
43 100
58 17.2 0.0 57.6





#16
Methylene chloride
Concen: 44.218 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.006 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

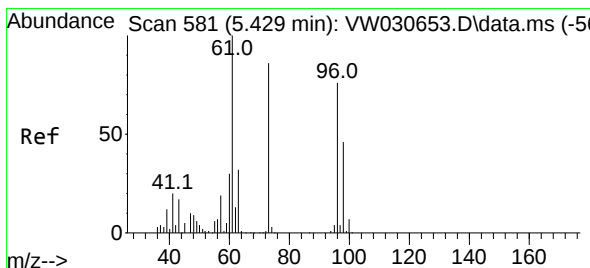
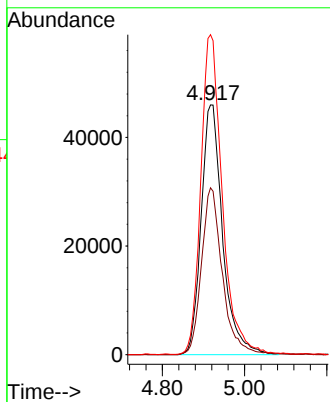
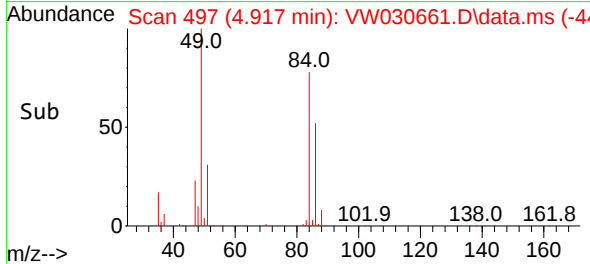
Instrument :
MSVOA_W
ClientSampleId :
A4E93DL



Tgt Ion: 84 Resp: 166925
Ion Ratio Lower Upper
84 100
86 66.8 43.8 81.3
49 128.1 88.3 164.1

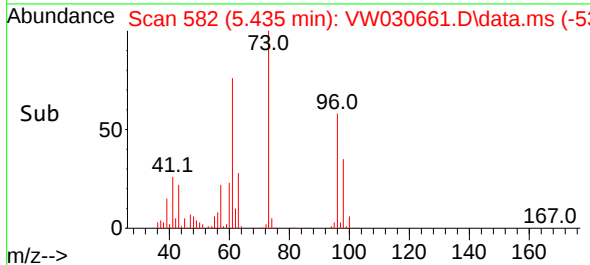
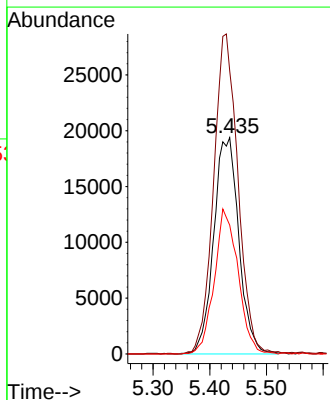
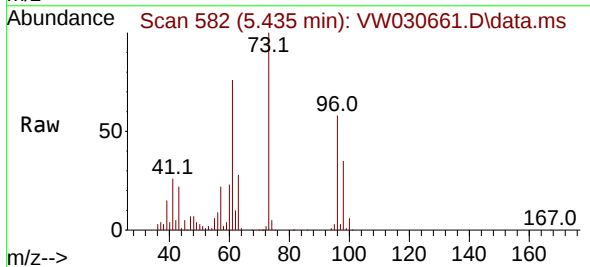
Manual Integrations
APPROVED

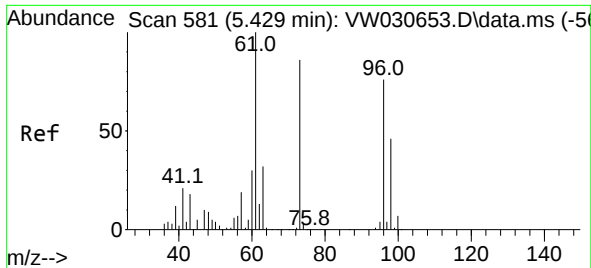
Reviewed By :Mahesh Dadoda 10/21/2024
Supervised By :Semsettin Yesilyurt 10/21/2024



#17
trans-1,2-Dichloroethene
Concen: 16.507 ug/L
RT: 5.435 min Scan# 582
Delta R.T. 0.006 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

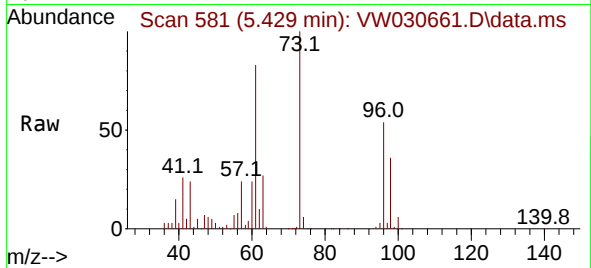
Tgt Ion: 96 Resp: 59674
Ion Ratio Lower Upper
96 100
61 130.8 96.9 179.9
98 59.5 42.2 78.4





#18
Methyl tert-butyl Ether
Concen: 24.014 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

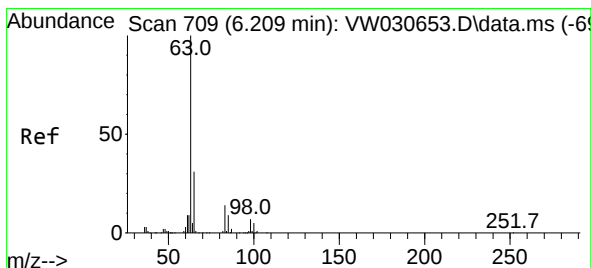
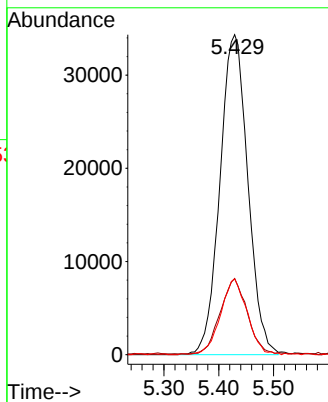
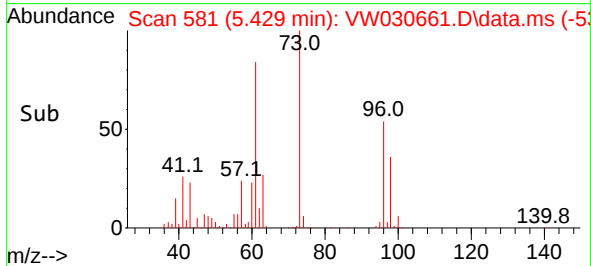
Instrument :
MSVOA_W
ClientSampleId :
A4E93DL



Tgt Ion: 73 Resp: 121498
Ion Ratio Lower Upper
73 100
43 22.8 18.1 27.1
57 22.4 17.7 26.5

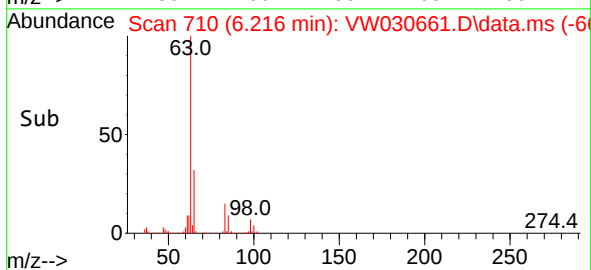
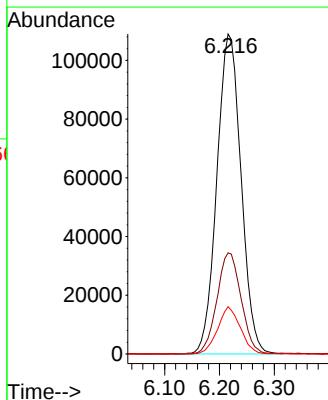
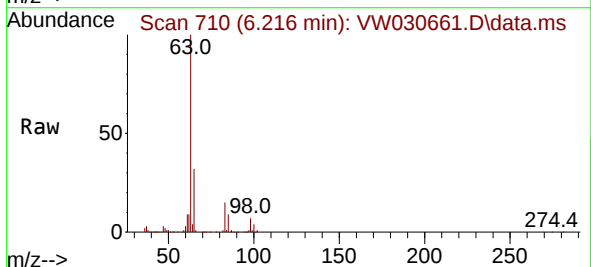
Manual Integrations
APPROVED

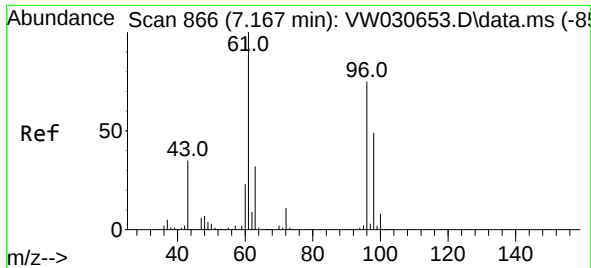
Reviewed By :Mahesh Dadoda 10/21/2024
Supervised By :Semsettin Yesilyurt 10/21/2024



#19
1,1-Dichloroethane
Concen: 49.700 ug/L
RT: 6.216 min Scan# 710
Delta R.T. 0.006 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

Tgt Ion: 63 Resp: 333930
Ion Ratio Lower Upper
63 100
65 31.6 22.5 41.9
83 14.7 9.8 18.2





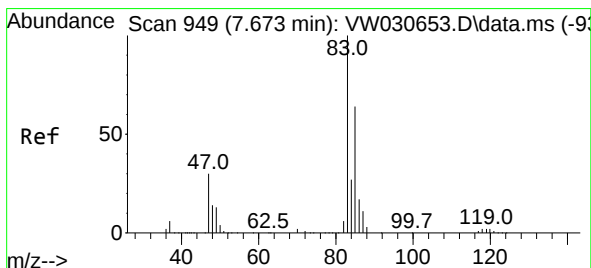
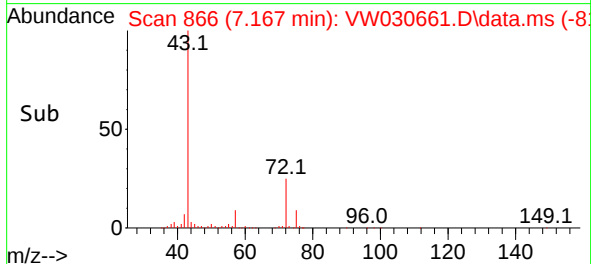
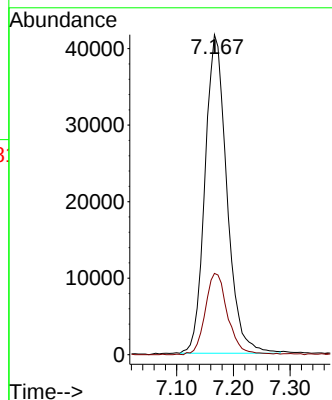
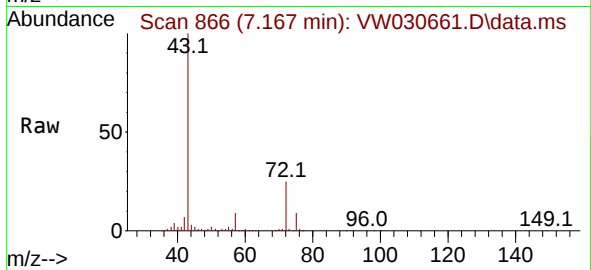
#22
2-Butanone
Concen: 100.255 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

Instrument :
MSVOA_W
ClientSampleId :
A4E93DL

Tgt Ion: 43 Resp: 11175
Ion Ratio Lower Upper
43 100
72 26.1 14.4 43.0

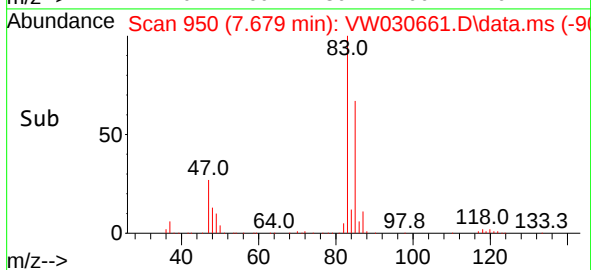
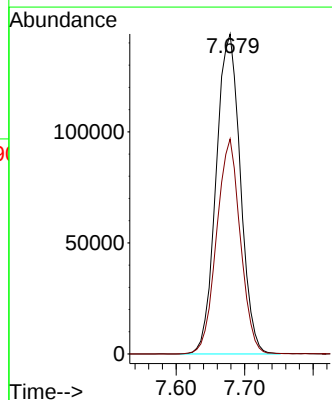
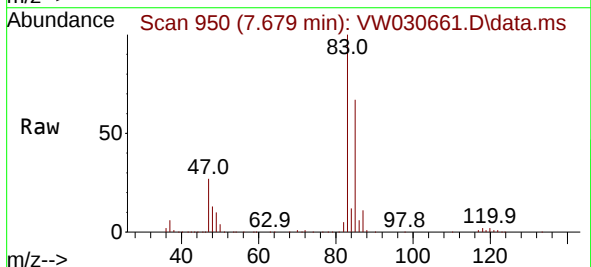
Manual Integrations
APPROVED

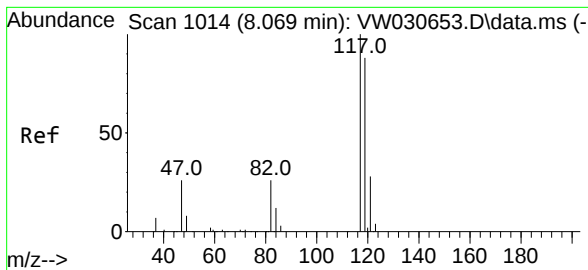
Reviewed By :Mahesh Dadoda 10/21/2024
Supervised By :Semsettin Yesilyurt 10/21/2024



#25
Chloroform
Concen: 49.201 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

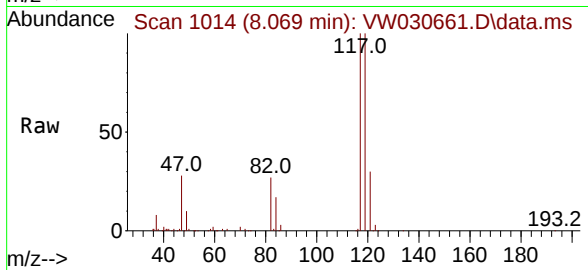
Tgt Ion: 83 Resp: 353271
Ion Ratio Lower Upper
83 100
85 67.2 45.1 83.7





#31
Carbon tetrachloride
Concen: 8.825 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

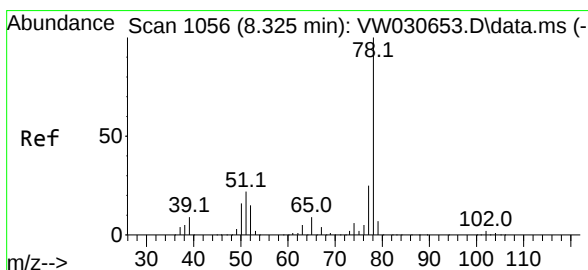
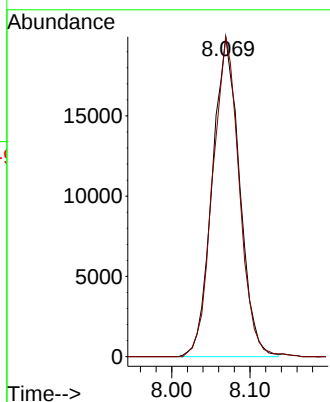
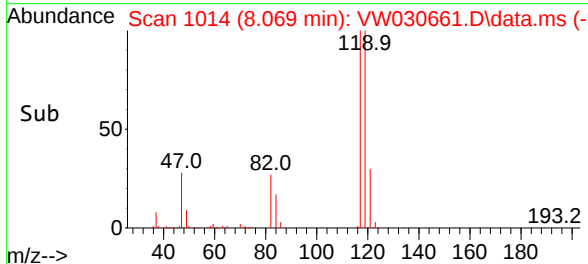
Instrument :
MSVOA_W
ClientSampleId :
A4E93DL



Tgt Ion:117 Resp: 48179
Ion Ratio Lower Upper
117 100
119 97.4 77.8 116.8

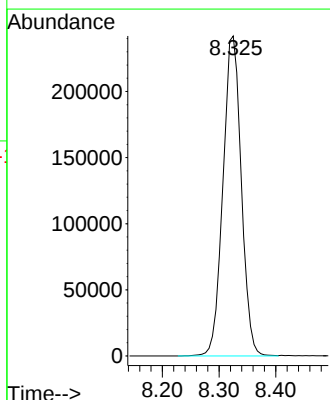
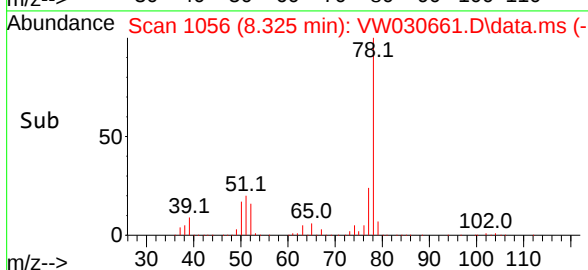
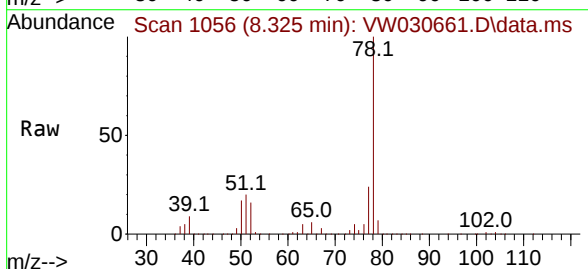
Manual Integrations
APPROVED

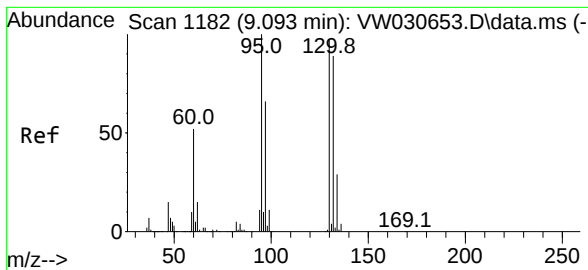
Reviewed By :Mahesh Dadoda 10/21/2024
Supervised By :Semsettin Yesilyurt 10/21/2024



#33
Benzene
Concen: 36.155 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

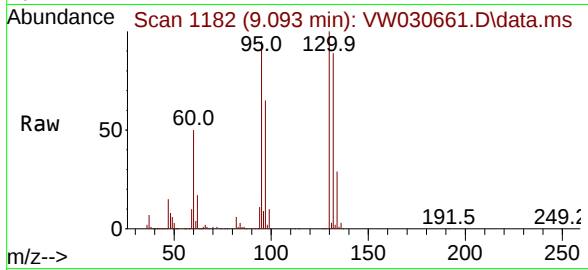
Tgt Ion: 78 Resp: 541752





#34
 Trichloroethene
 Concen: 50.537 ug/L
 RT: 9.093 min Scan# 1182
 Delta R.T. 0.000 min
 Lab File: VW030661.D
 Acq: 18 Oct 2024 13:47

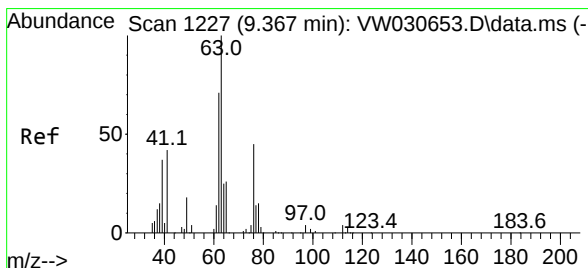
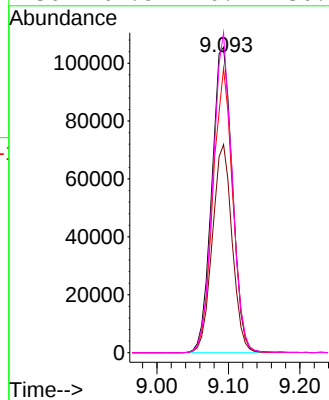
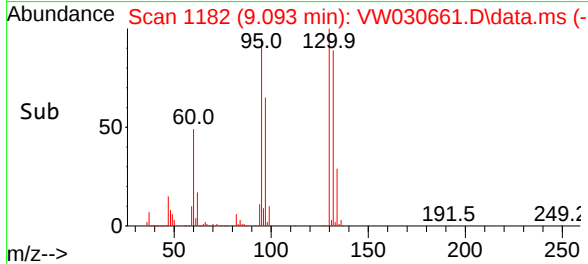
Instrument :
 MSVOA_W
 ClientSampleId :
 A4E93DL



Tgt Ion: 95 Resp: 21067
 Ion Ratio Lower Upper
 95 100
 97 68.1 45.9 85.3
 132 93.1 66.4 123.2
 130 104.8 70.4 130.8

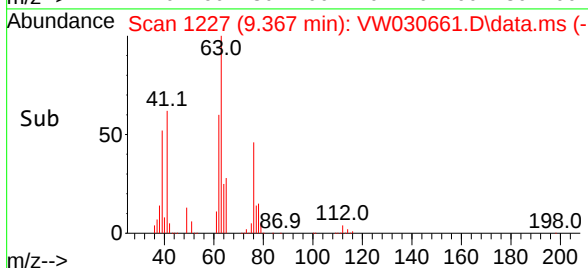
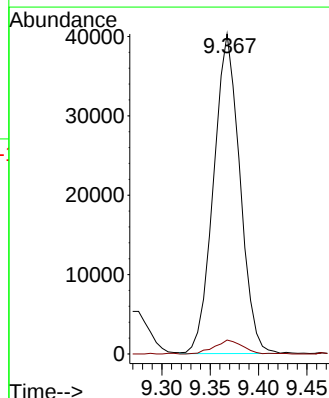
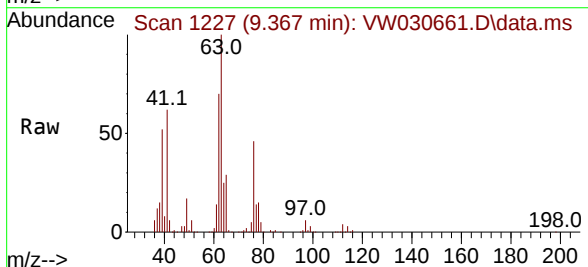
Manual Integrations
 APPROVED

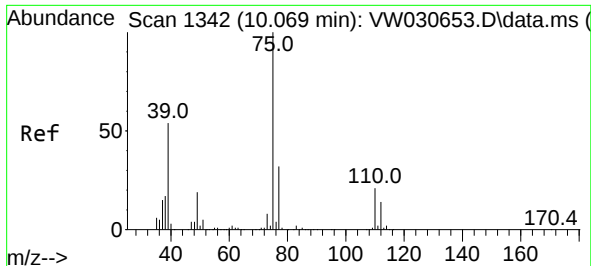
Reviewed By :Mahesh Dadoda 10/21/2024
 Supervised By :Semsettin Yesilyurt 10/21/2024



#37
 1,2-Dichloropropane
 Concen: 20.340 ug/L
 RT: 9.367 min Scan# 1227
 Delta R.T. 0.000 min
 Lab File: VW030661.D
 Acq: 18 Oct 2024 13:47

Tgt Ion: 63 Resp: 76118
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5





#39

cis-1,3-Dichloropropene

Concen: 34.177 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VW030661.D

Acq: 18 Oct 2024 13:47

Instrument :

MSVOA_W

ClientSampleId :

A4E93DL

Tgt Ion: 75 Resp: 19292

Ion Ratio Lower Upper

75 100

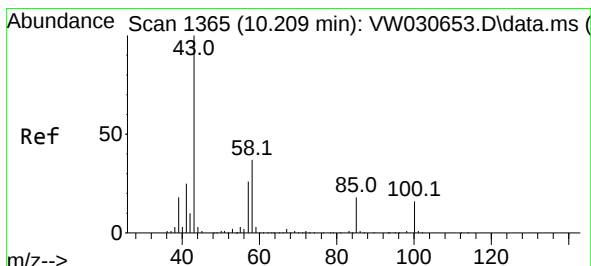
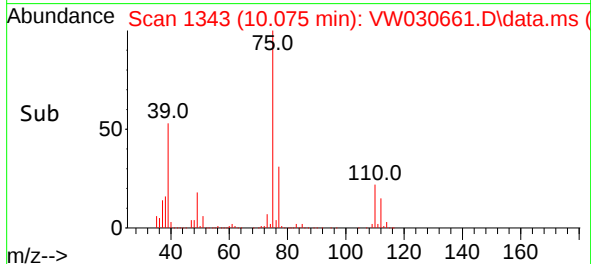
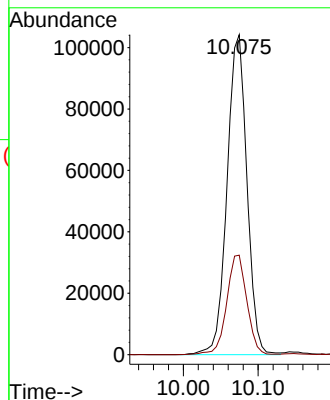
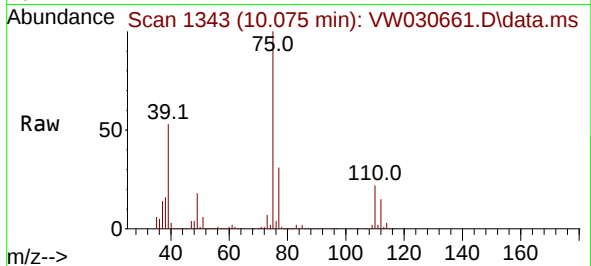
77 31.1 21.1 39.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/21/2024

Supervised By :Semsettin Yesilyurt 10/21/2024



#40

4-Methyl-2-pentanone

Concen: 84.540 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW030661.D

Acq: 18 Oct 2024 13:47

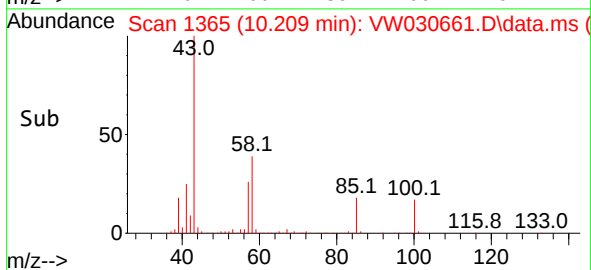
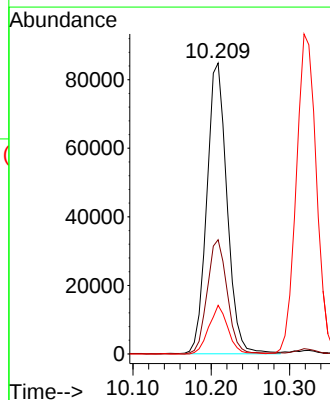
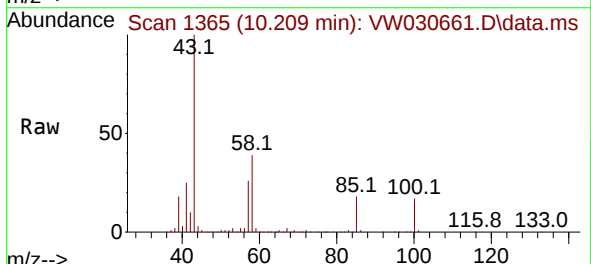
Tgt Ion: 43 Resp: 151991

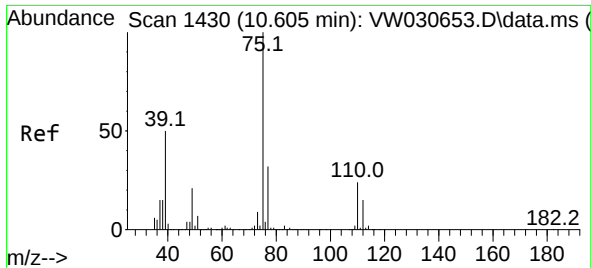
Ion Ratio Lower Upper

43 100

58 39.1 31.4 47.2

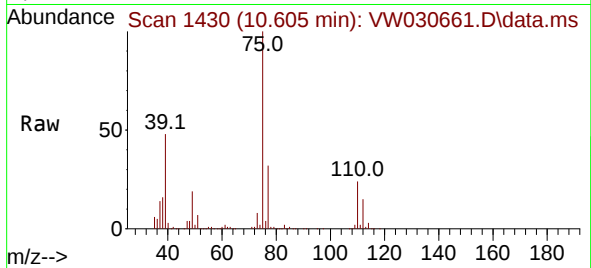
100 15.8 13.1 19.7





#44
trans-1,3-Dichloropropene
Concen: 38.671 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

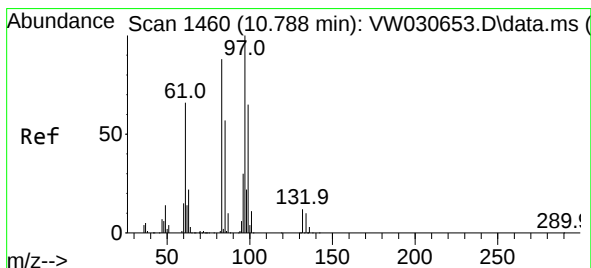
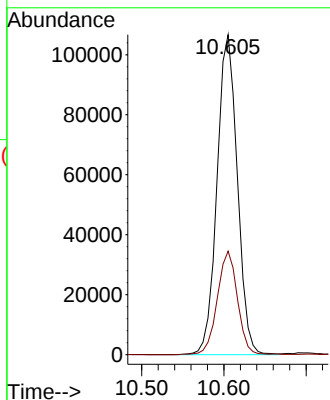
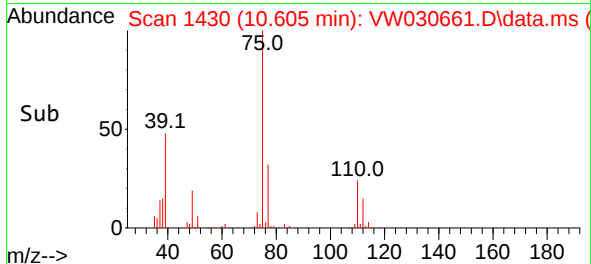
Instrument :
MSVOA_W
ClientSampleId :
A4E93DL



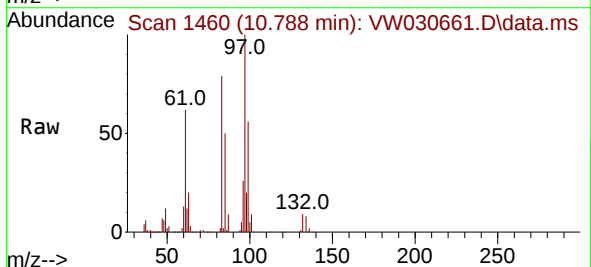
Tgt Ion: 75 Resp: 18343
Ion Ratio Lower Upper
75 100
77 32.4 21.6 40.2

Manual Integrations
APPROVED

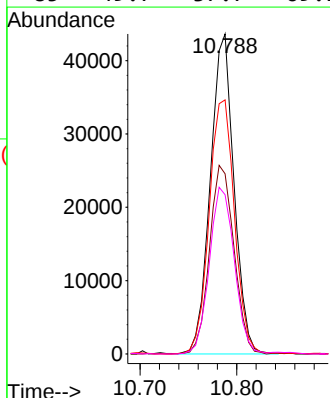
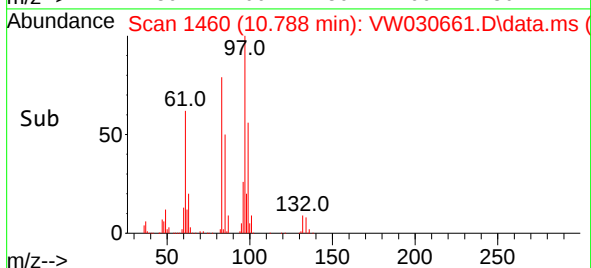
Reviewed By :Mahesh Dadoda 10/21/2024
Supervised By :Semsettin Yesilyurt 10/21/2024

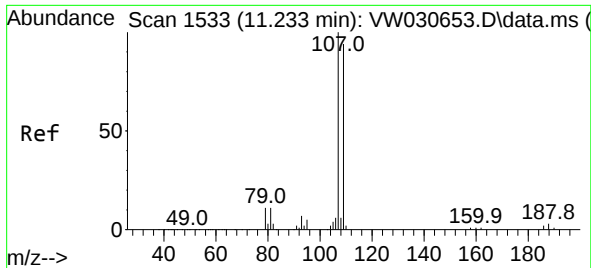


#45
1,1,2-Trichloroethane
Concen: 27.375 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47



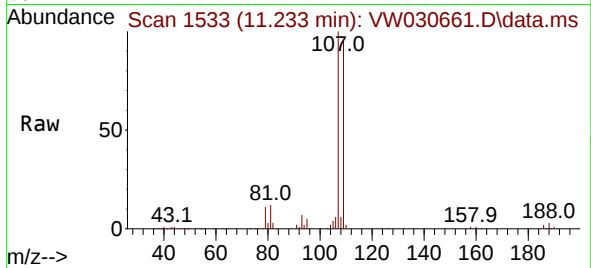
Tgt Ion: 97 Resp: 74040
Ion Ratio Lower Upper
97 100
99 56.3 41.2 76.6
83 79.4 59.6 110.6
85 49.7 37.7 69.9





#50
1,2-Dibromoethane
Concen: 25.617 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

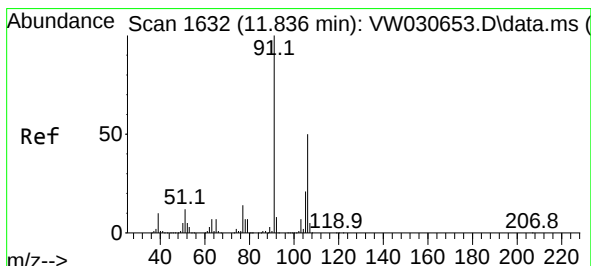
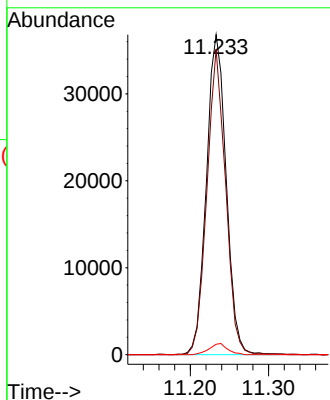
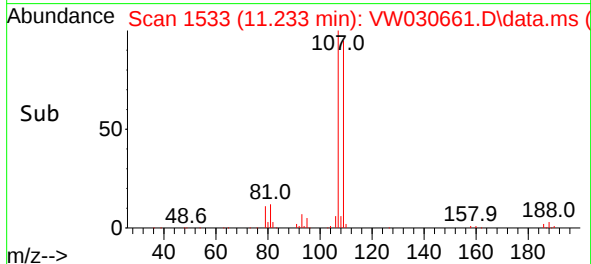
Instrument :
MSVOA_W
ClientSampleId :
A4E93DL



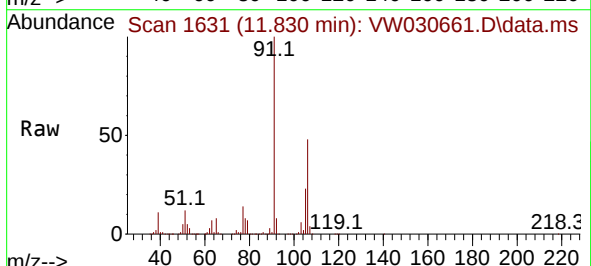
Tgt Ion:107 Resp: 6465
Ion Ratio Lower Upper
107 100
109 95.5 63.8 118.6
188 3.3 2.6 3.8

Manual Integrations
APPROVED

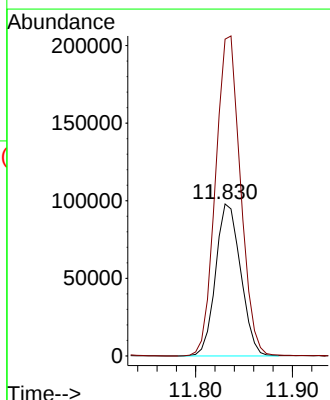
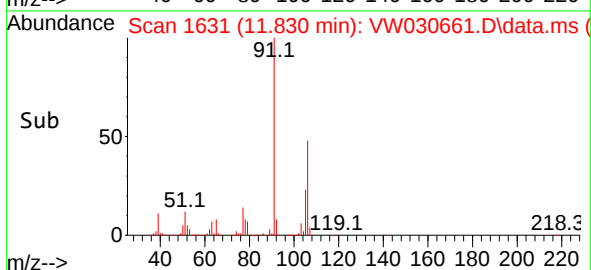
Reviewed By :Mahesh Dadoda 10/21/2024
Supervised By :Semsettin Yesilyurt 10/21/2024

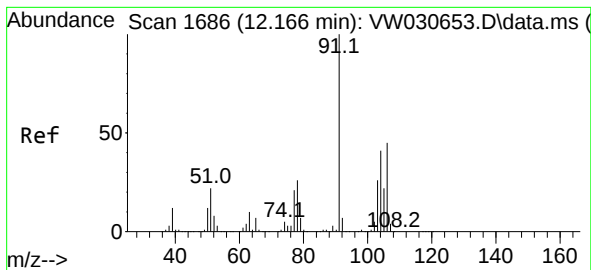


#53
m,p-Xylene
Concen: 25.736 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47



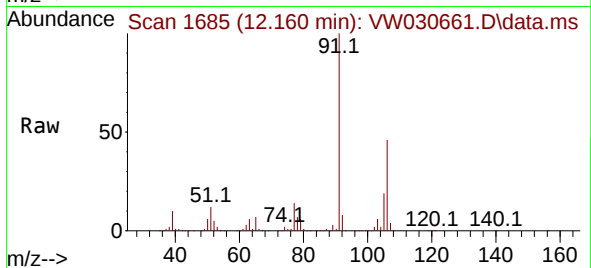
Tgt Ion:106 Resp: 175876
Ion Ratio Lower Upper
106 100
91 208.5 140.6 261.2





#54
o-Xylene
Concen: 35.855 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

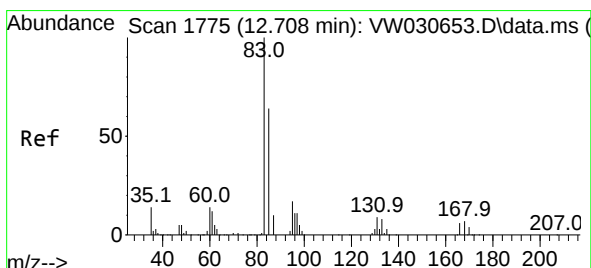
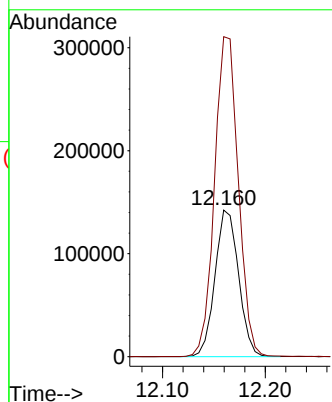
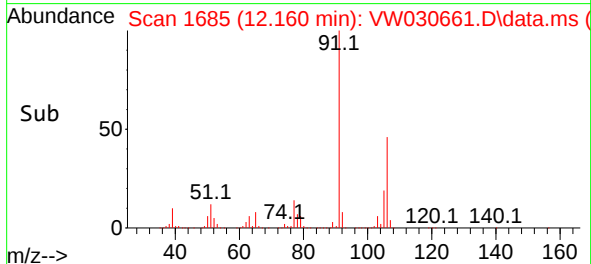
Instrument :
MSVOA_W
ClientSampleId :
A4E93DL



Tgt Ion:106 Resp: 226529
Ion Ratio Lower Upper
106 100
91 218.4 144.5 268.4

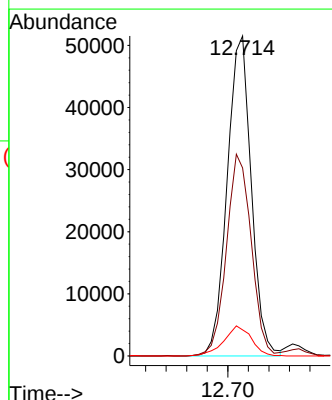
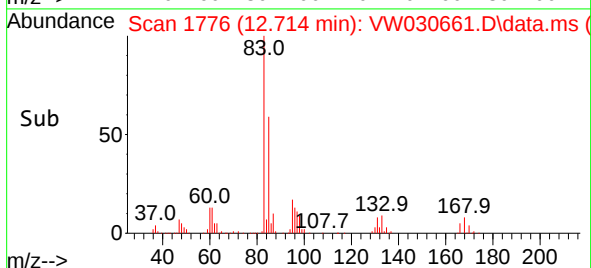
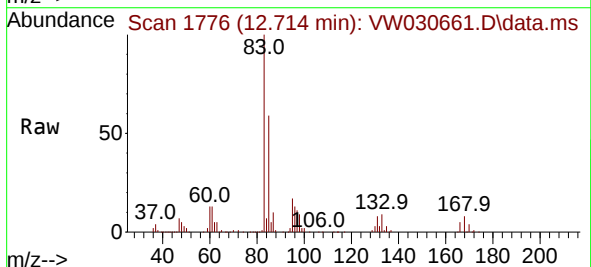
Manual Integrations
APPROVED

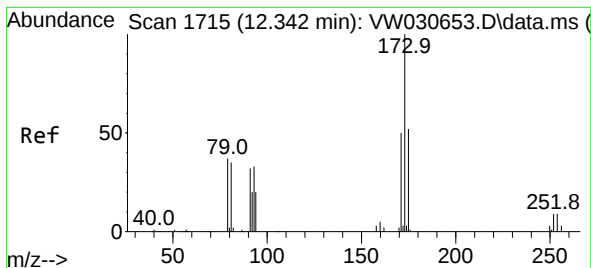
Reviewed By :Mahesh Dadoda 10/21/2024
Supervised By :Semsettin Yesilyurt 10/21/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 27.501 ug/L
RT: 12.714 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

Tgt Ion: 83 Resp: 83880
Ion Ratio Lower Upper
83 100
85 58.8 42.6 79.2
131 8.2 7.4 11.0





#59

Bromoform

Concen: 9.714 ug/L

RT: 12.349 min Scan# 1715

Delta R.T. 0.006 min

Lab File: VW030661.D

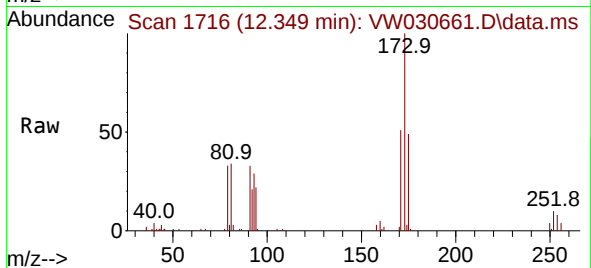
Acq: 18 Oct 2024 13:47

Instrument :

MSVOA_W

ClientSampleId :

A4E93DL

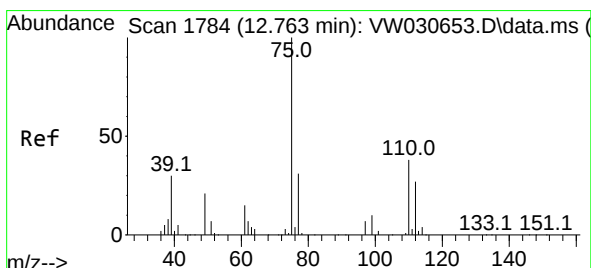
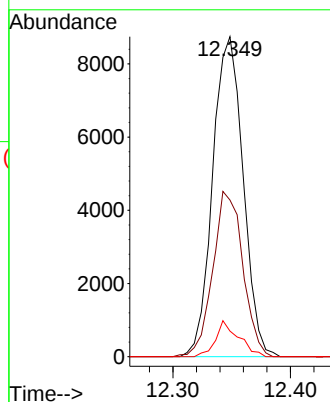
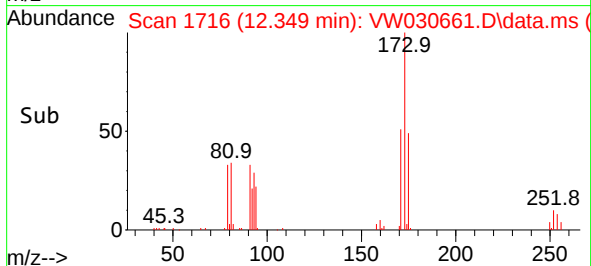


Tgt Ion:	173	Resp:	15734
Ion Ratio	Lower	Upper	
173	100		
175	50.8	39.0	58.4
254	8.5	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/21/2024
Supervised By :Semsettin Yesilyurt 10/21/2024



#61

1,2,3-Trichloropropane

Concen: 41.383 ug/L

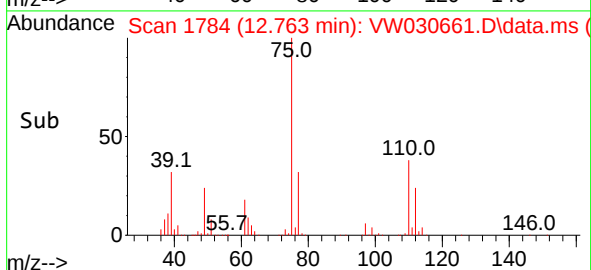
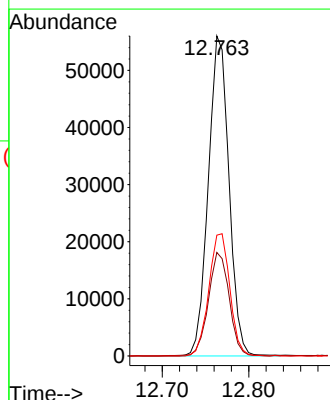
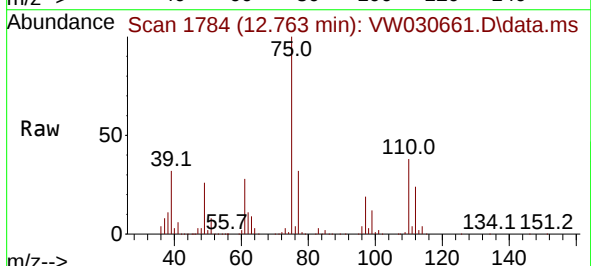
RT: 12.763 min Scan# 1784

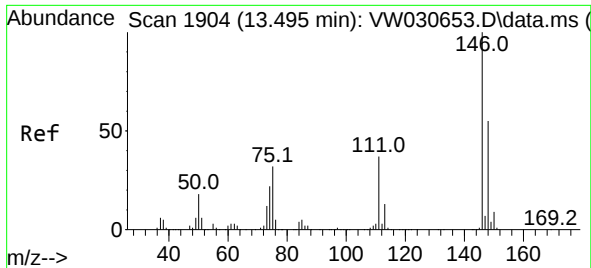
Delta R.T. 0.000 min

Lab File: VW030661.D

Acq: 18 Oct 2024 13:47

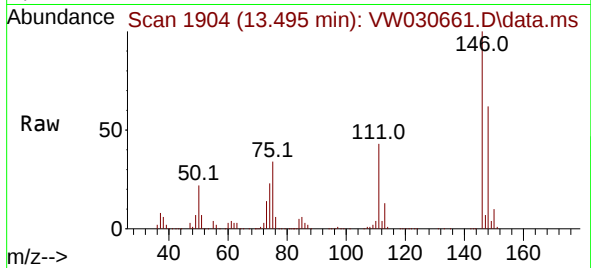
Tgt Ion:	75	Resp:	92840
Ion Ratio	Lower	Upper	
75	100		
77	32.5	25.7	38.5
110	38.9	32.3	48.5





#64
1,3-Dichlorobenzene
Concen: 20.159 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

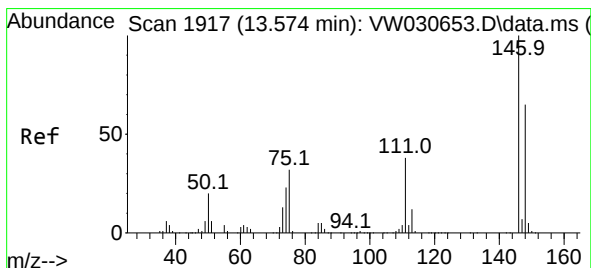
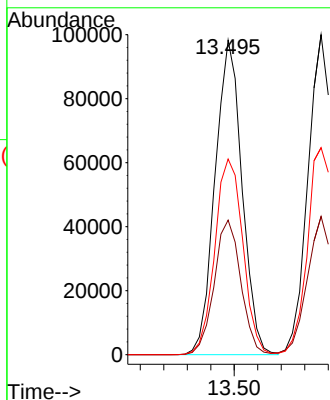
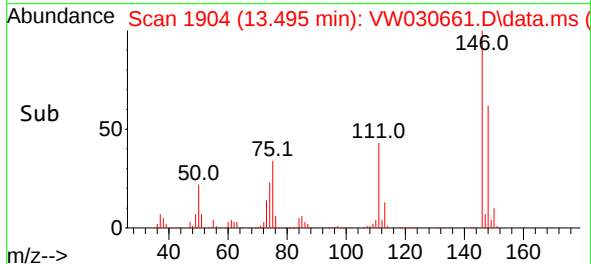
Instrument :
MSVOA_W
ClientSampleId :
A4E93DL



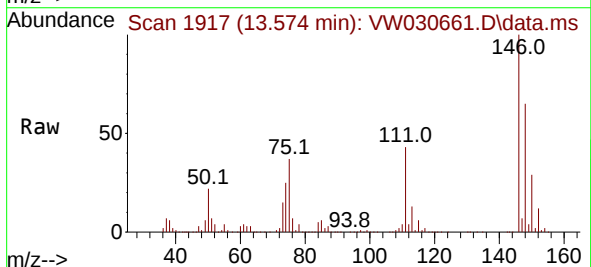
Tgt Ion:146 Resp: 15666
Ion Ratio Lower Upper
146 100
111 42.8 31.2 58.0
148 62.2 45.7 84.9

Manual Integrations
APPROVED

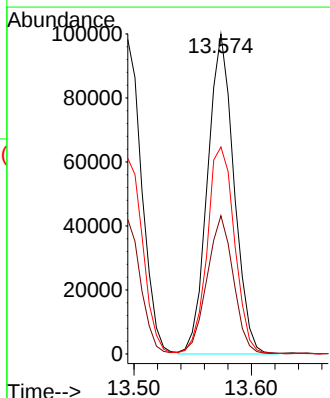
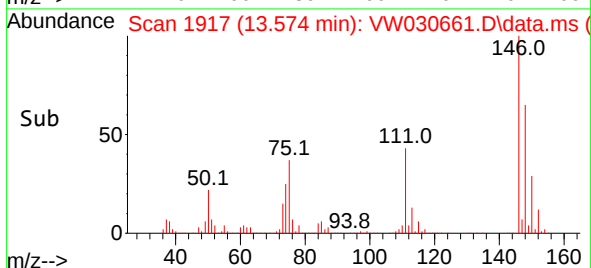
Reviewed By :Mahesh Dadoda 10/21/2024
Supervised By :Semsettin Yesilyurt 10/21/2024

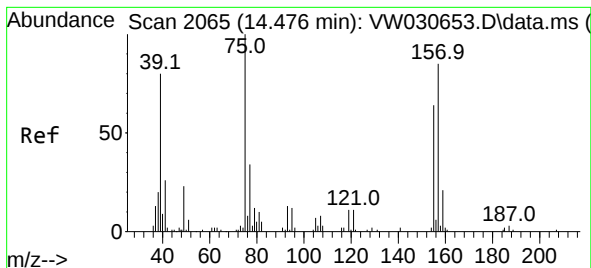


#65
1,4-Dichlorobenzene
Concen: 19.468 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47



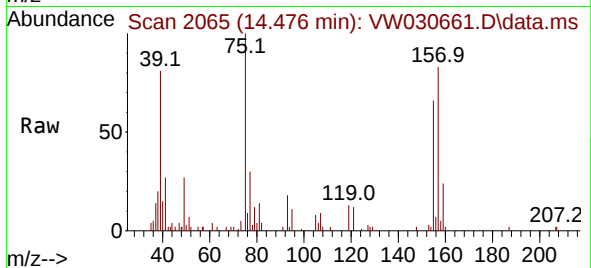
Tgt Ion:146 Resp: 156216
Ion Ratio Lower Upper
146 100
111 43.2 26.8 49.8
148 64.7 41.0 76.2





#68
1,2-Dibromo-3-chloropropane
Concen: 12.063 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

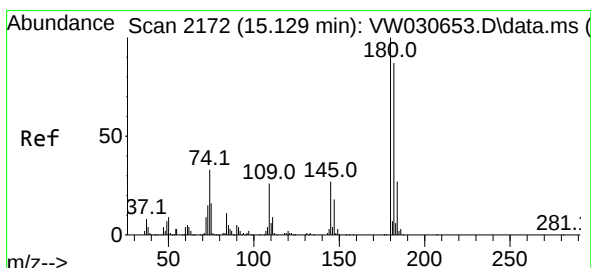
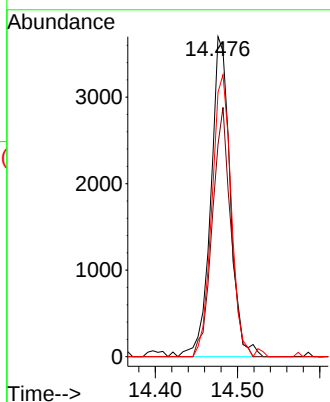
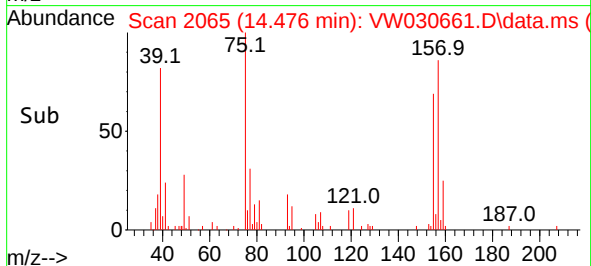
Instrument :
MSVOA_W
ClientSampleId :
A4E93DL



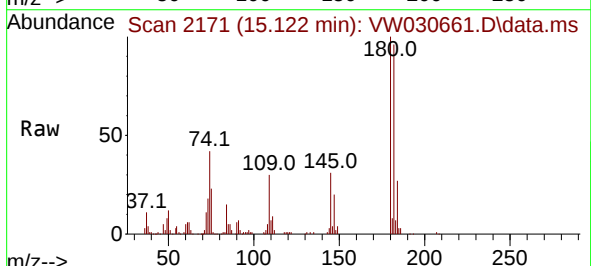
Tgt Ion: 75 Resp: 6034
Ion Ratio Lower Upper
75 100
155 66.3 57.9 86.9
157 82.7 69.0 103.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/21/2024
Supervised By :Semsettin Yesilyurt 10/21/2024



#70
1,2,4-trichlorobenzene
Concen: 10.388 ug/L
RT: 15.122 min Scan# 2171
Delta R.T. -0.006 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47



Tgt Ion:180 Resp: 42857
Ion Ratio Lower Upper
180 100
182 98.2 75.2 112.8
145 33.1 25.4 38.2

