

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110124\
 Data File : VW030882.D
 Acq On : 01 Nov 2024 13:14
 Operator : SY/MD
 Sample : P4585-01DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4EA6DL

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/04/2024
 Supervised By :Mahesh Dadoda 11/05/2024

Quant Time: Nov 04 00:54:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Nov 01 03:09:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	388510	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	372013	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	181433	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	97933	16.037	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	64.160%		
7) Chloroethane-d5	2.899	69	85899	18.582	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	74.320%		
11) 1,1-Dichloroethene-d2	4.021	65	41587m	16.373	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	65.480%		
21) 2-Butanone-d5	7.087	46	54769	49.836	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery =	99.680%		
24) Chloroform-d	7.648	84	243626	21.927	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	87.720%		
26) 1,2-Dichloroethane-d4	8.307	65	126092	21.825	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	87.280%		
32) Benzene-d6	8.276	84	392762	18.191	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	72.760%		
36) 1,2-Dichloropropane-d6	9.270	67	127686	20.148	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	80.600%		
41) Toluene-d8	10.325	98	366686	18.603	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	74.400%		
43) trans-1,3-Dichloroprop...	10.575	79	53287	20.081	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	80.320%		
47) 2-Hexanone-d5	10.922	63	45665	55.945	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	111.900%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	114198	24.537	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	98.160%		
66) 1,2-Dichlorobenzene-d4	13.848	152	129464	21.089	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	84.360%		
Target Compounds					Qvalue	
12) 1,1-Dichloroethene	4.045	96	96558	18.524	ug/L	99
13) Acetone	4.143	43	41238	25.630	ug/L	96
16) Methylene chloride	4.923	84	219490	37.370	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	77610	13.798	ug/L	96
18) Methyl tert-butyl Ether	5.423	73	160495	20.388	ug/L	99
19) 1,1-Dichloroethane	6.216	63	428706	41.010	ug/L	99
22) 2-Butanone	7.179	43	157617	90.881	ug/L	97
25) Chloroform	7.679	83	464813	41.608	ug/L	97
31) Carbon tetrachloride	8.069	117	63707	7.223	ug/L	94
33) Benzene	8.325	78	711625	29.395	ug/L	100
34) Trichloroethene	9.093	95	276676	41.080	ug/L	93
37) 1,2-Dichloropropane	9.367	63	101075	16.717	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	259315	28.434	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	218575	75.249	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	253432	33.069	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	103936	23.785	ug/L	98
50) 1,2-Dibromoethane	11.233	107	89272	21.894	ug/L	98
53) m,p-Xylene	11.837	106	237030	21.468	ug/L	99
54) o-Xylene	12.160	106	302224	29.608	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.714	83	122299	24.818	ug/L	99
59) Bromoform	12.349	173	23713	9.303	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	136010	38.524	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	213430	17.451	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	219979	17.420	ug/L	90
68) 1,2-Dibromo-3-chloropr...	14.482	75	8718	11.075	ug/L	91
70) 1,2,4-trichlorobenzene	15.129	180	62473	9.622	ug/L	94

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

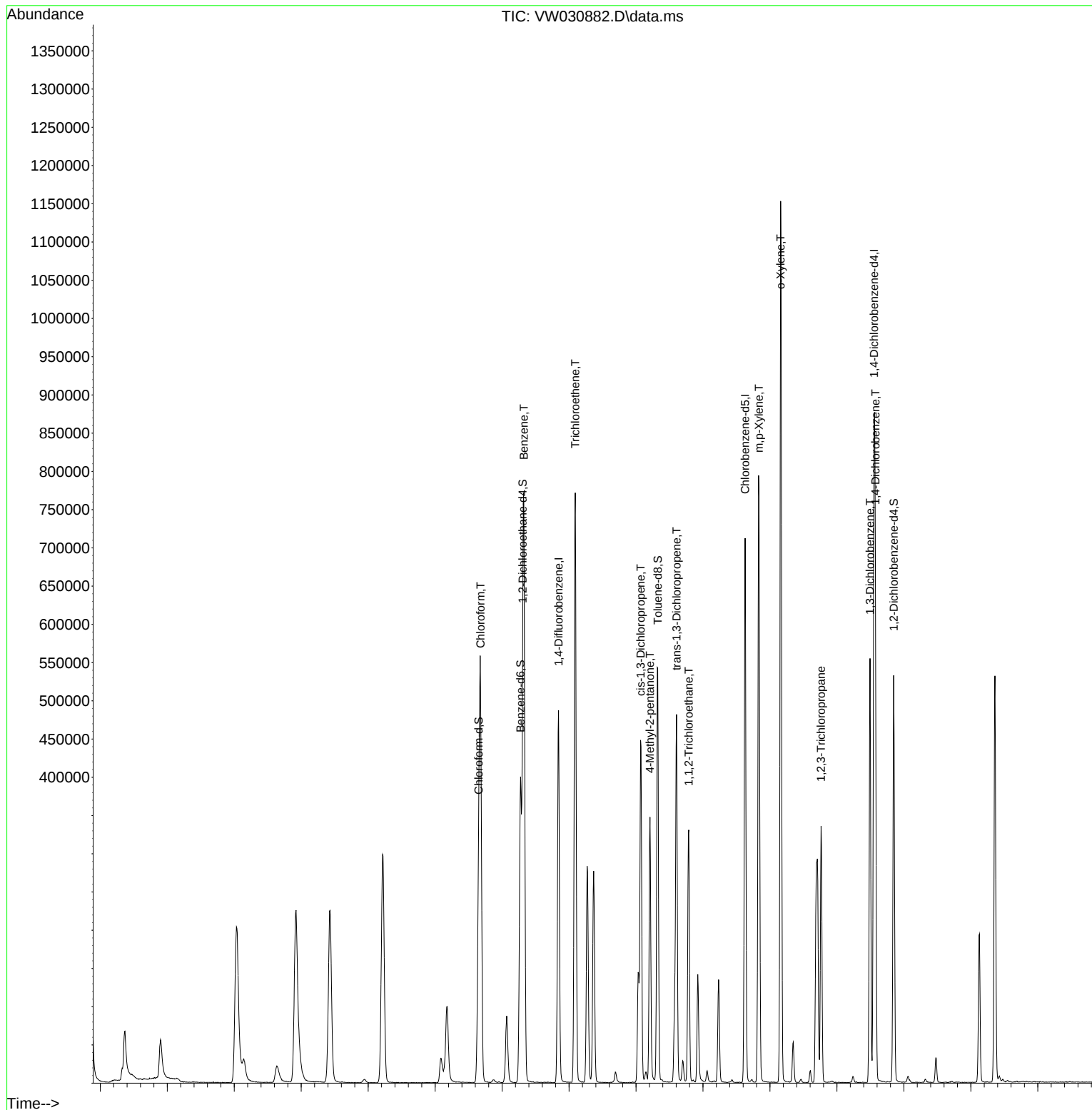
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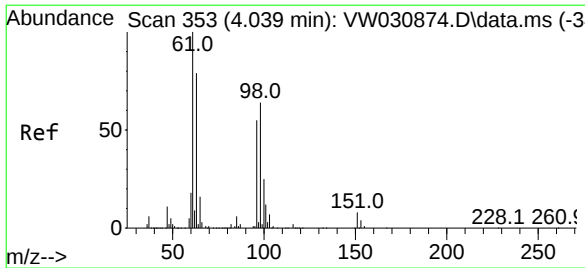
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#12

1,1-Dichloroethene

Concen: 18.524 ug/L

RT: 4.045 min Scan# 353

Delta R.T. 0.006 min

Lab File: VW030882.D

Acq: 01 Nov 2024 13:14

Instrument :

MSVOA_W

ClientSampleId :

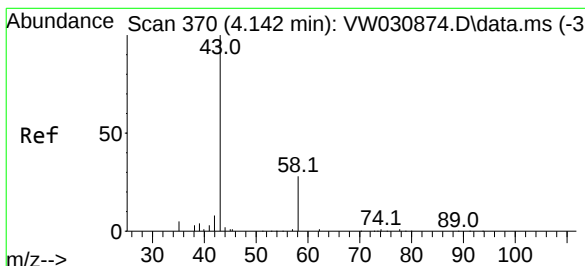
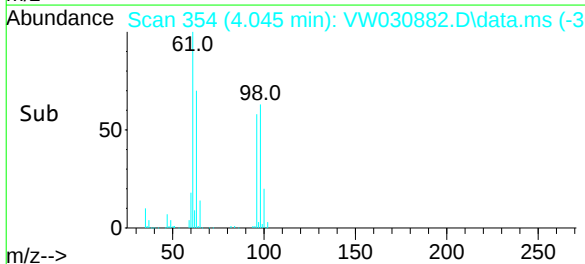
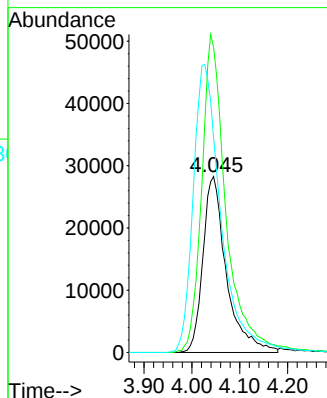
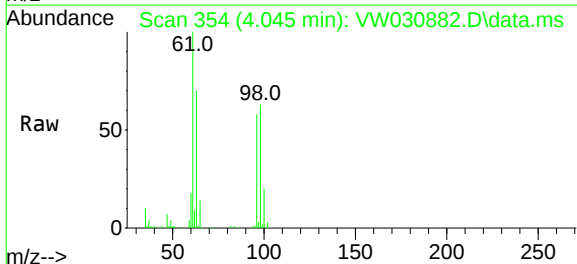
A4EA6DL

Tgt Ion:	96	Resp:	96558
Ion	Ratio	Lower	Upper
96	100		
61	173.5	121.3	225.3
63	121.9	87.6	162.8

Manual Integrations

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#13

Acetone

Concen: 25.630 ug/L

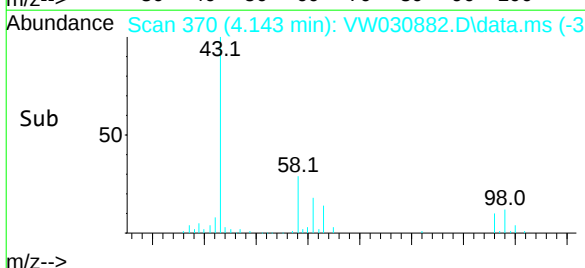
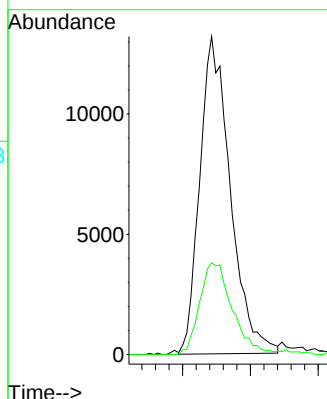
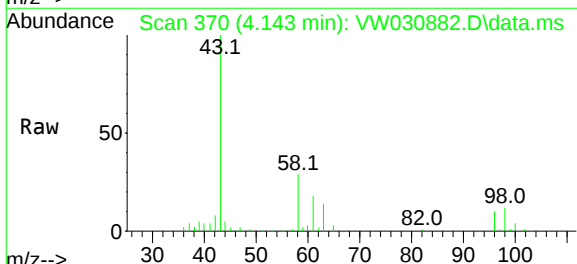
RT: 4.143 min Scan# 370

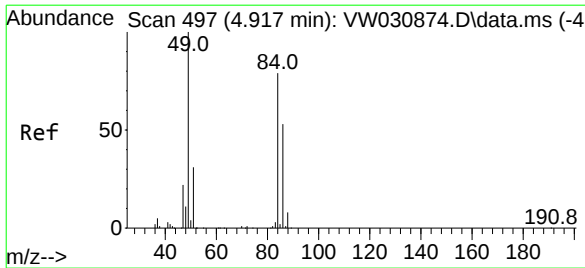
Delta R.T. 0.031 min

Lab File: VW030882.D

Acq: 01 Nov 2024 13:14

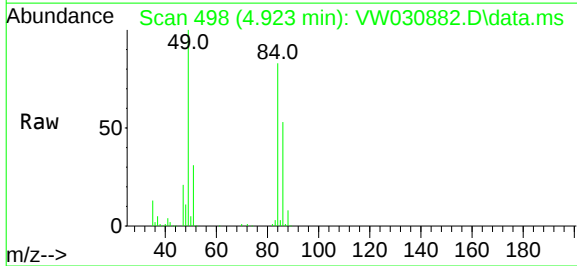
Tgt Ion:	43	Resp:	41238
Ion	Ratio	Lower	Upper
43	100		
58	30.9	0.0	57.6





#16
Methylene chloride
Concen: 37.370 ug/L
RT: 4.923 min Scan# 49
Delta R.T. 0.006 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14

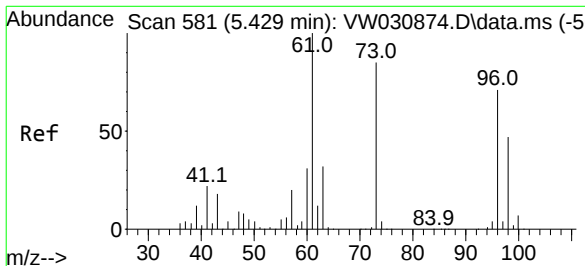
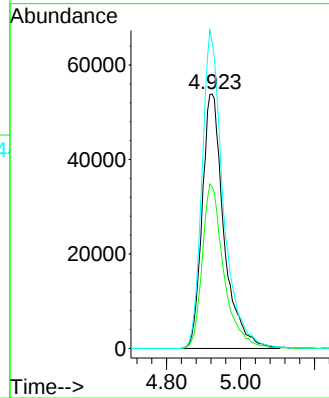
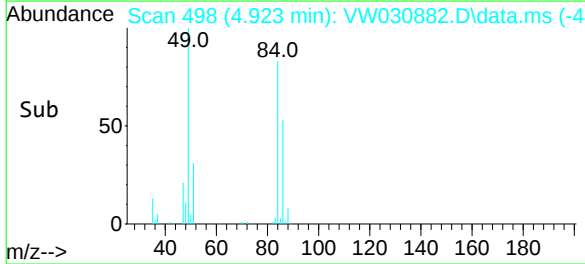
Instrument :
MSVOA_W
ClientSampleId :
A4EA6DL



Tgt Ion: 84 Resp: 219490
Ion Ratio Lower Upper
84 100
86 63.5 43.8 81.3
49 120.3 88.3 164.1

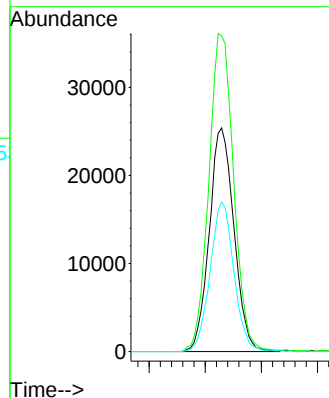
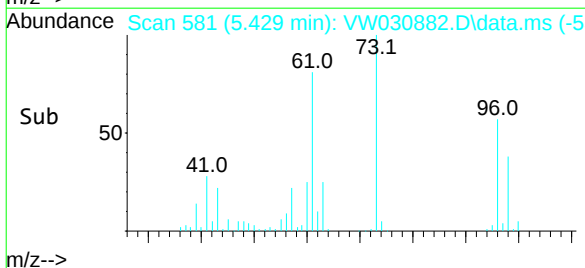
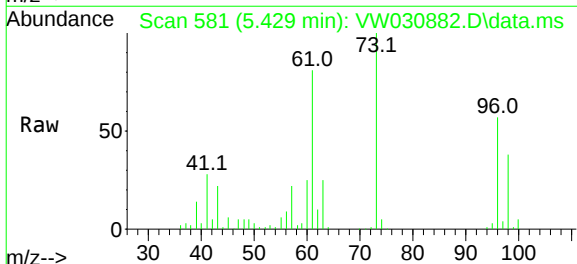
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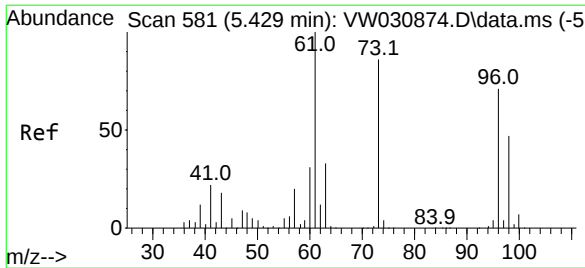
Reviewed By :Romaben Patel 11/04/2024
Supervised By :Mahesh Dadoda 11/05/2024



#17
trans-1,2-Dichloroethene
Concen: 13.798 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14

Tgt Ion: 96 Resp: 77610
Ion Ratio Lower Upper
96 100
61 141.1 96.9 179.9
98 66.8 42.2 78.4





#18

Methyl tert-butyl Ether

Concen: 20.388 ug/L

RT: 5.423 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW030882.D

Acq: 01 Nov 2024 13:14

Instrument :

MSVOA_W

ClientSampleId :

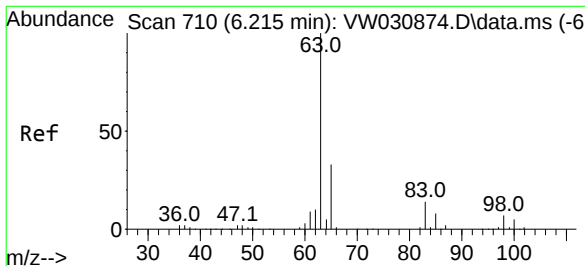
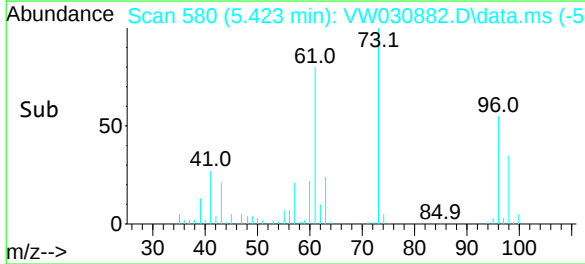
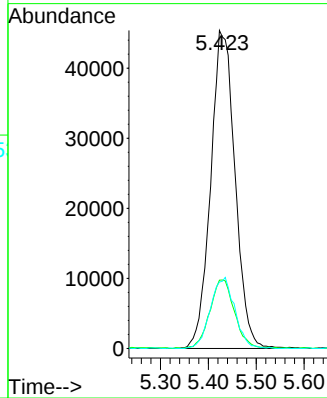
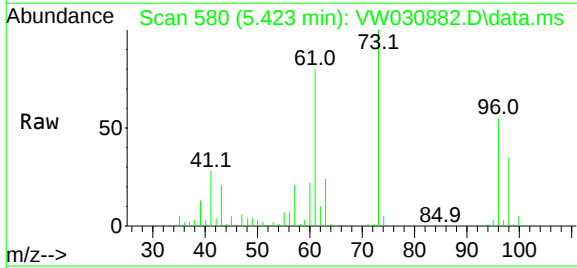
A4EA6DL

Tgt Ion: 73	Resp: 160495
Ion Ratio	Lower Upper
73 100	
43 21.9	18.1 27.1
57 22.2	17.7 26.5

Manual Integrations

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Supervised By :Mahesh Dadoda 11/05/2024



#19

1,1-Dichloroethane

Concen: 41.010 ug/L

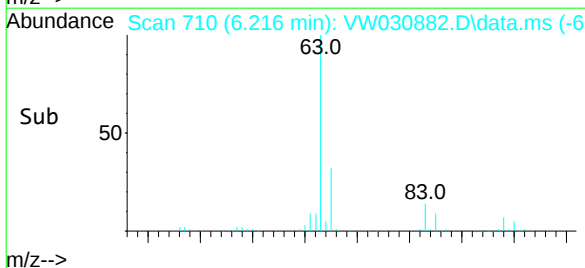
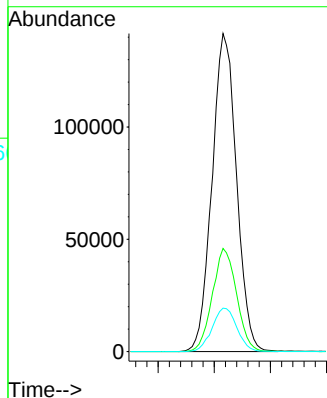
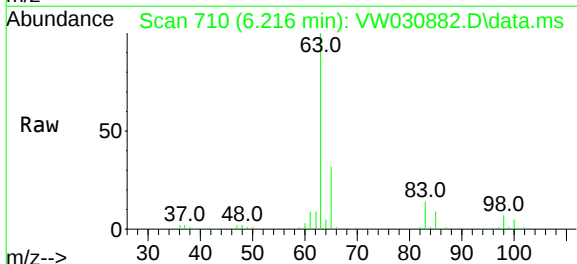
RT: 6.216 min Scan# 710

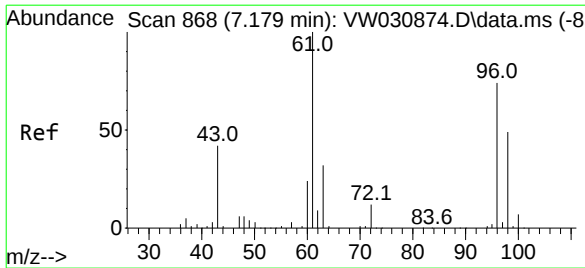
Delta R.T. 0.000 min

Lab File: VW030882.D

Acq: 01 Nov 2024 13:14

Tgt Ion: 63	Resp: 428706
Ion Ratio	Lower Upper
63 100	
65 32.4	22.5 41.9
83 13.7	9.8 18.2





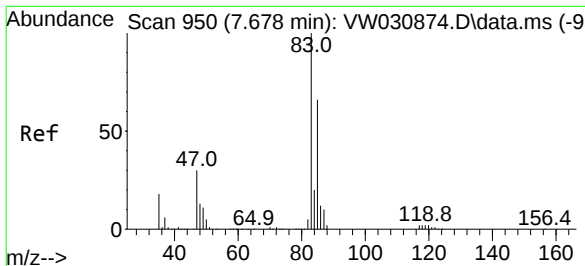
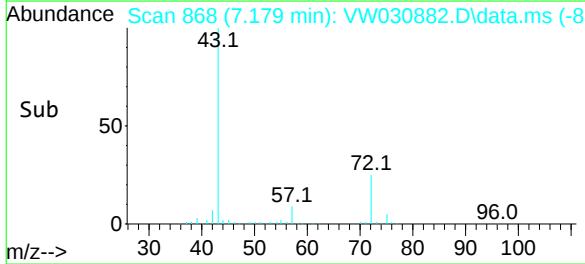
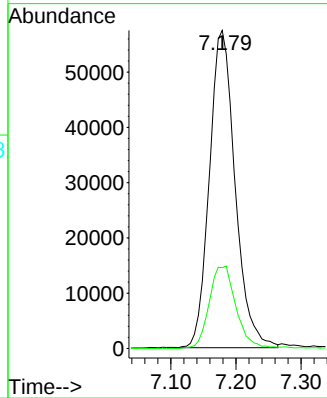
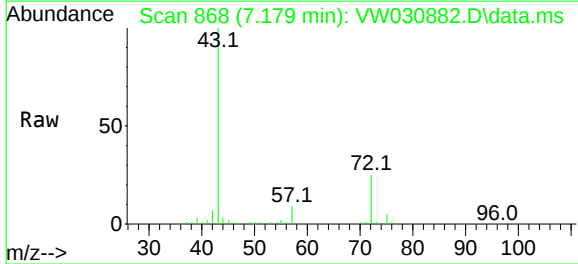
#22
2-Butanone
Concen: 90.881 ug/L
RT: 7.179 min Scan# 868
Delta R.T. 0.012 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14

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Tgt Ion: 43 Resp: 157617
Ion Ratio Lower Upper
43 100
72 27.0 14.4 43.0

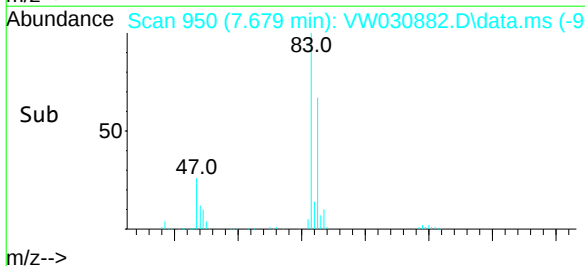
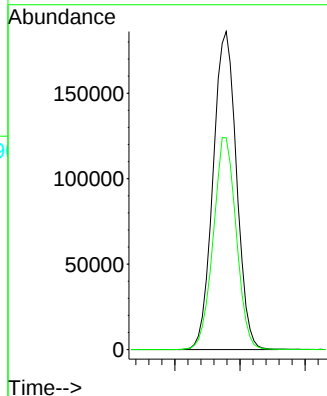
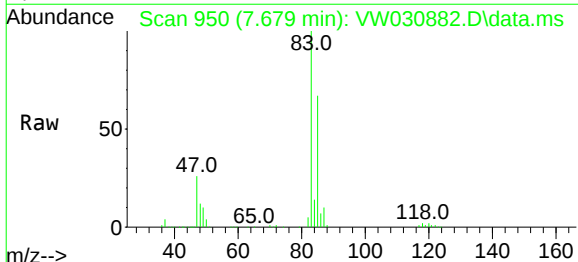
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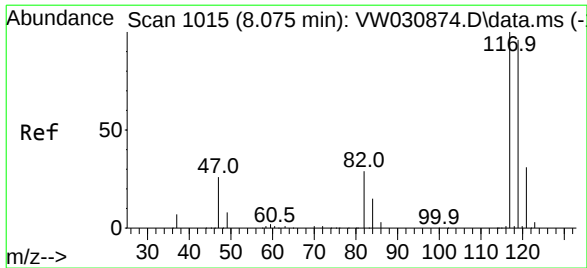
Reviewed By :Romaben Patel 11/04/2024
Supervised By :Mahesh Dadoda 11/05/2024



#25
Chloroform
Concen: 41.608 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14

Tgt Ion: 83 Resp: 464813
Ion Ratio Lower Upper
83 100
85 66.6 45.1 83.7





#31

Carbon tetrachloride

Concen: 7.223 ug/L

RT: 8.069 min Scan# 1015

Delta R.T. 0.006 min

Lab File: VW030882.D

Acq: 01 Nov 2024 13:14

Instrument :

MSVOA_W

ClientSampleId :

A4EA6DL

Tgt Ion:117 Resp: 63707

Ion Ratio Lower Upper

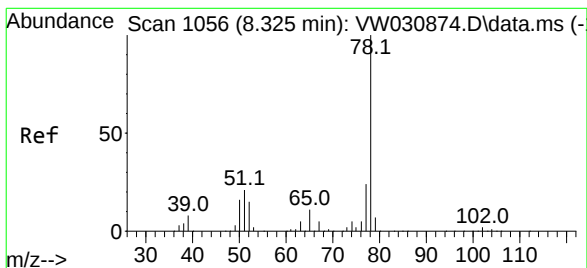
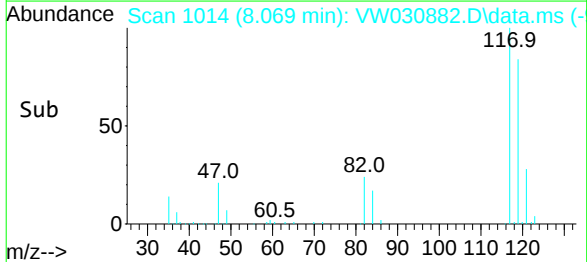
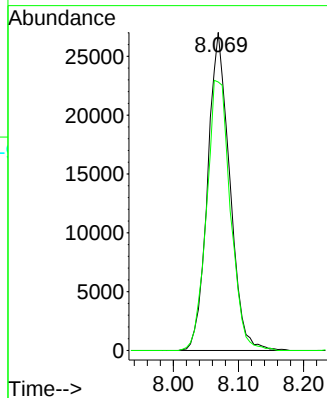
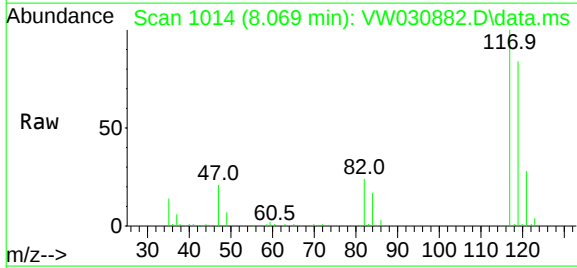
117 100

119 91.8 77.8 116.8

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#33

Benzene

Concen: 29.395 ug/L

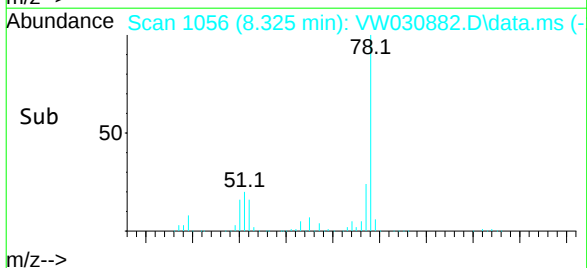
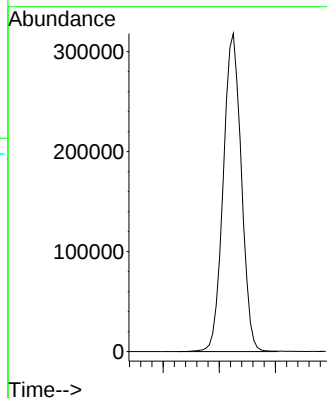
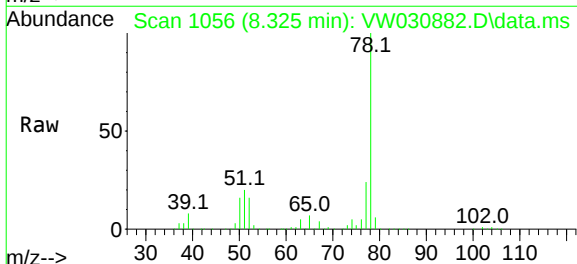
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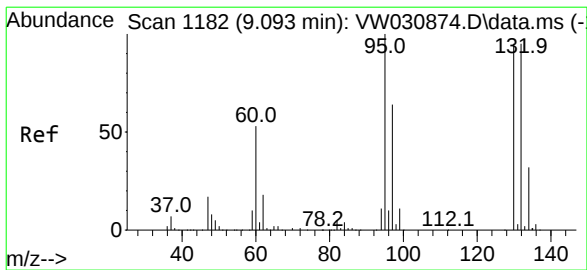
Delta R.T. 0.000 min

Lab File: VW030882.D

Acq: 01 Nov 2024 13:14

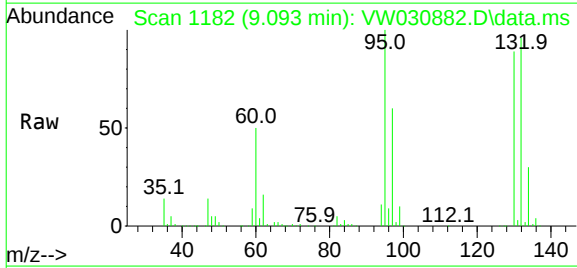
Tgt Ion: 78 Resp: 711625





#34
Trichloroethene
Concen: 41.080 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. 0.006 min
Lab File: VW030882.D
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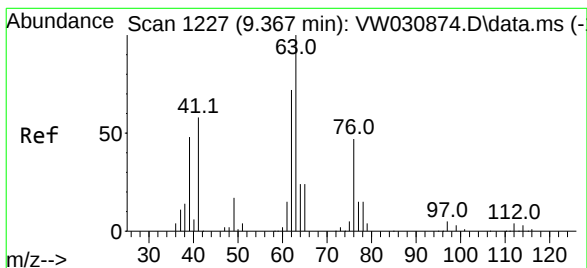
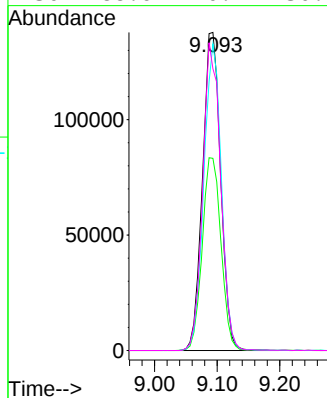
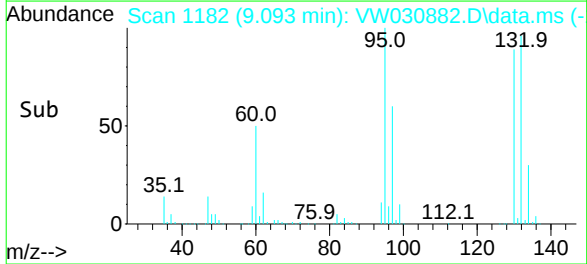
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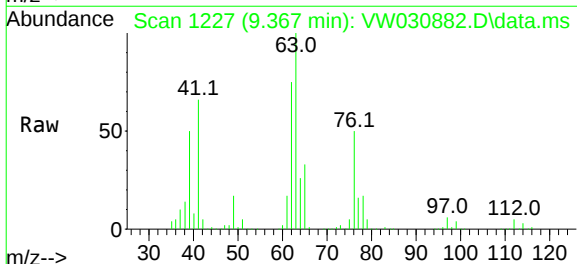
Tgt Ion: 95 Resp: 276676
Ion Ratio Lower Upper
95 100
97 60.4 45.9 85.3
132 96.4 66.4 123.2
130 88.6 70.4 130.8

Manual Integrations
APPROVED

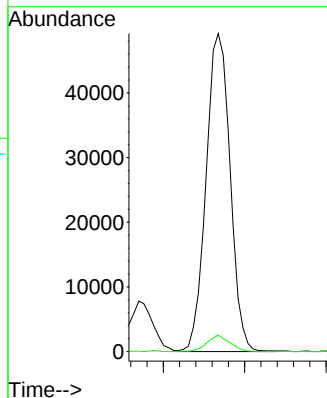
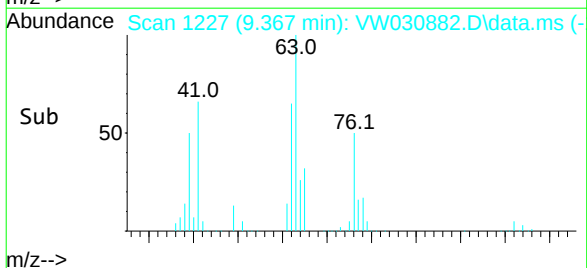
Reviewed By :Romaben Patel 11/04/2024
Supervised By :Mahesh Dadoda 11/05/2024

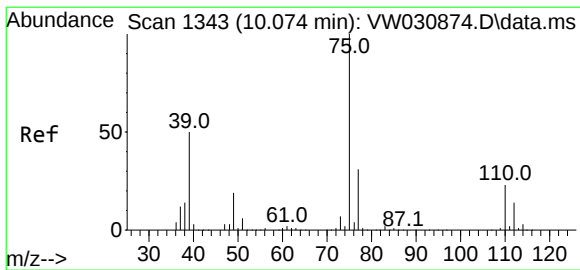


#37
1,2-Dichloropropane
Concen: 16.717 ug/L
RT: 9.367 min Scan# 1227
Delta R.T. 0.000 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14



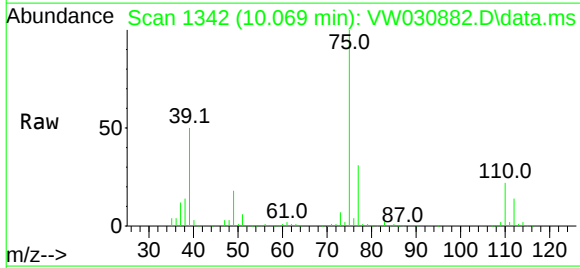
Tgt Ion: 63 Resp: 101075
Ion Ratio Lower Upper
63 100
112 4.9 3.7 5.5





#39
 cis-1,3-Dichloropropene
 Concen: 28.434 ug/L
 RT: 10.069 min Scan# 1342
 Delta R.T. 0.000 min
 Lab File: VW030882.D
 Acq: 01 Nov 2024 13:14

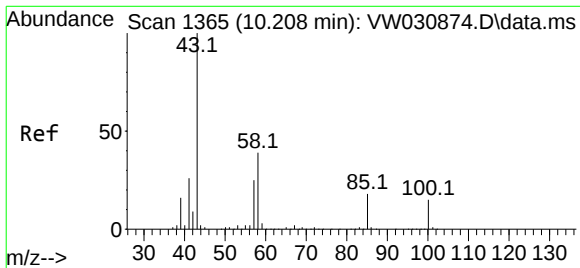
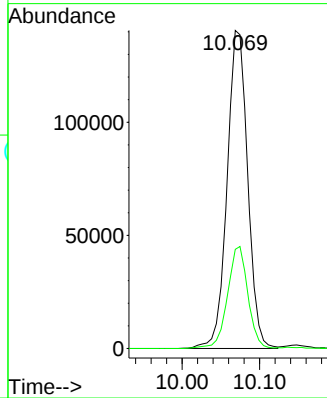
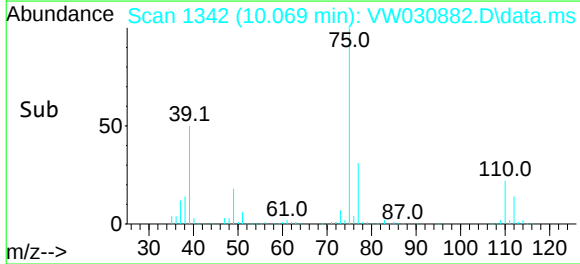
Instrument :
 MSVOA_W
 ClientSampleId :
 A4EA6DL



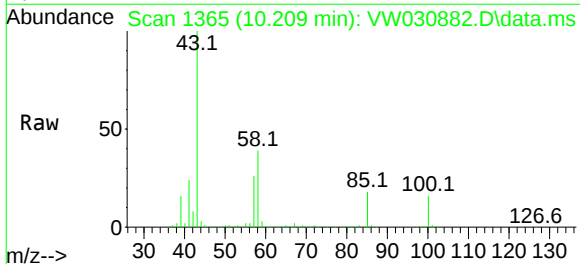
Tgt Ion: 75 Resp: 259315
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.1 39.1

Manual Integrations
 APPROVED

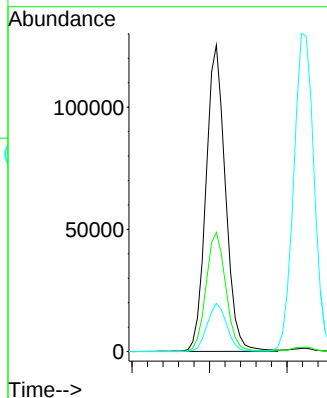
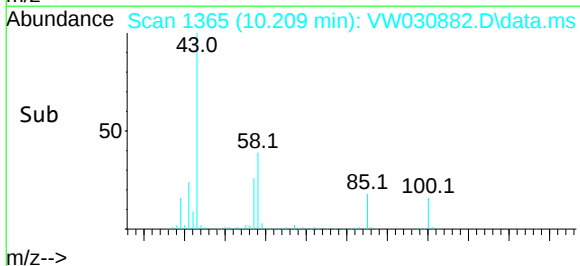
Reviewed By :Romaben Patel 11/04/2024
 Supervised By :Mahesh Dadoda 11/05/2024

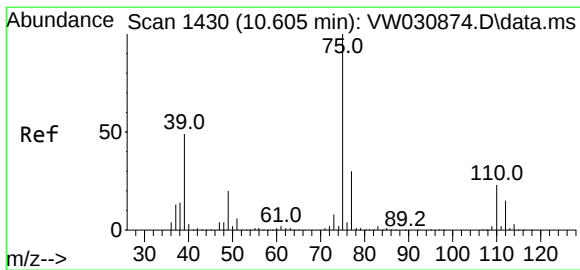


#40
 4-Methyl-2-pentanone
 Concen: 75.249 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. 0.000 min
 Lab File: VW030882.D
 Acq: 01 Nov 2024 13:14



Tgt Ion: 43 Resp: 218575
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.4 47.2
 100 15.9 13.1 19.7





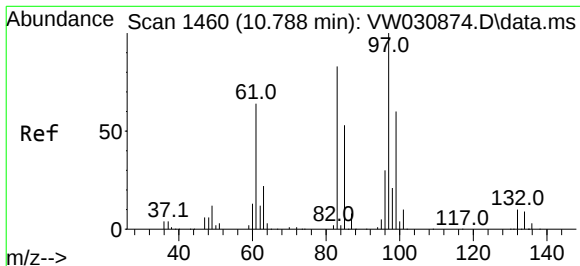
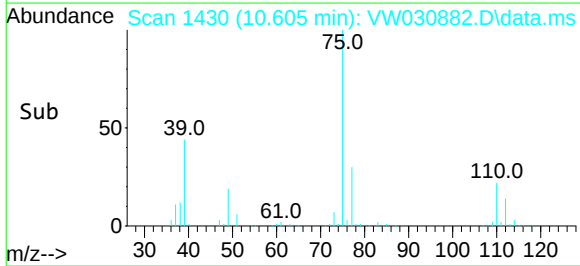
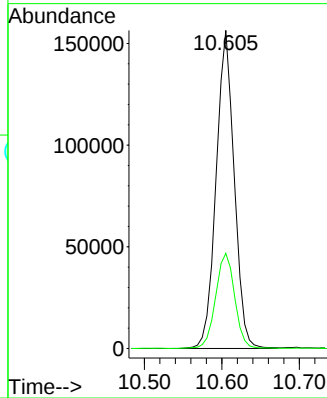
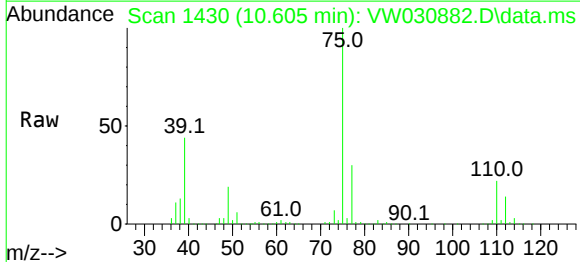
#44
trans-1,3-Dichloropropene
Concen: 33.069 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14

Instrument :
MSVOA_W
ClientSampleId :
A4EA6DL

Tgt Ion: 75 Resp: 253432
Ion Ratio Lower Upper
75 100
77 29.9 21.6 40.2

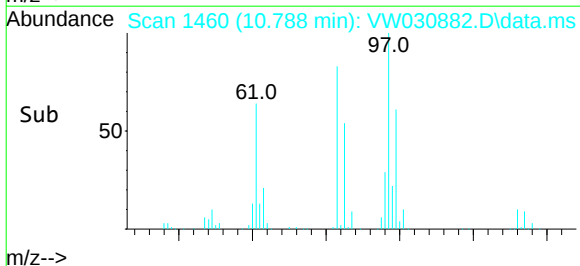
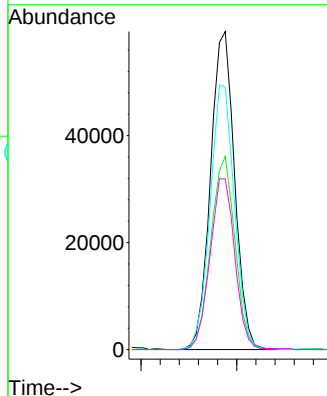
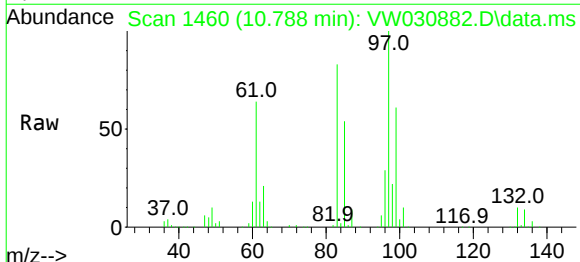
Manual Integrations
APPROVED

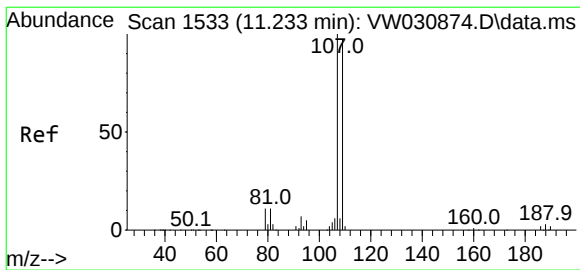
Reviewed By :Romaben Patel 11/04/2024
Supervised By :Mahesh Dadoda 11/05/2024



#45
1,1,2-Trichloroethane
Concen: 23.785 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14

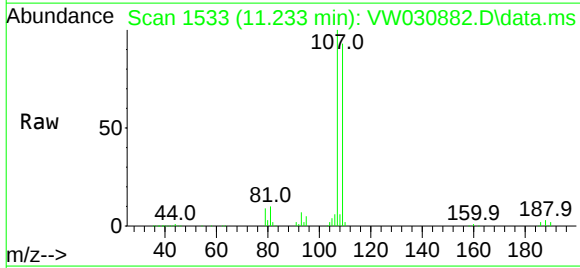
Tgt Ion: 97 Resp: 103936
Ion Ratio Lower Upper
97 100
99 60.8 41.2 76.6
83 82.5 59.6 110.6
85 53.7 37.7 69.9





#50
1,2-Dibromoethane
Concen: 21.894 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14

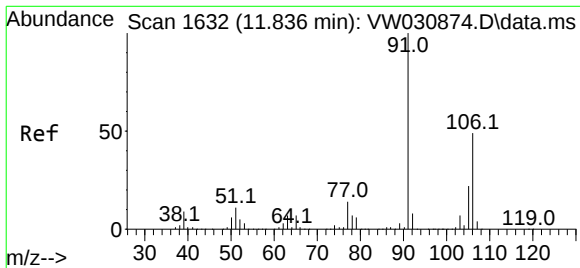
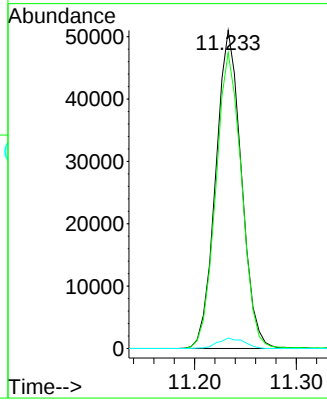
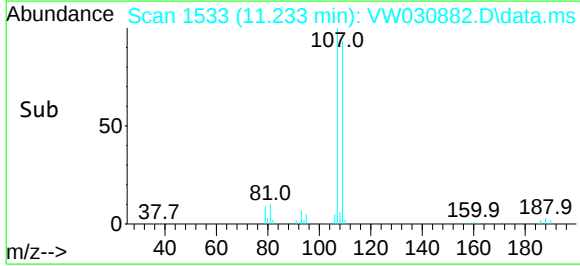
Instrument :
MSVOA_W
ClientSampleId :
A4EA6DL



Tgt Ion:107 Resp: 89272
Ion Ratio Lower Upper
107 100
109 93.0 63.8 118.6
188 3.3 2.6 3.8

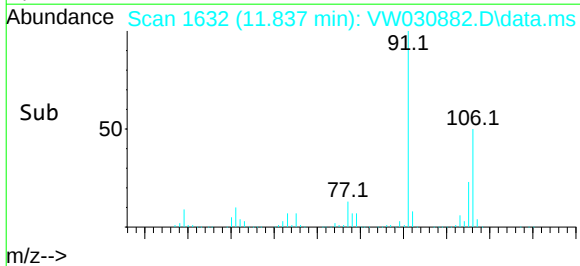
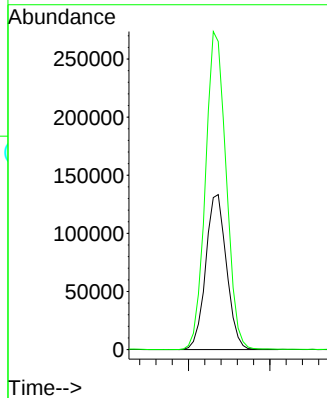
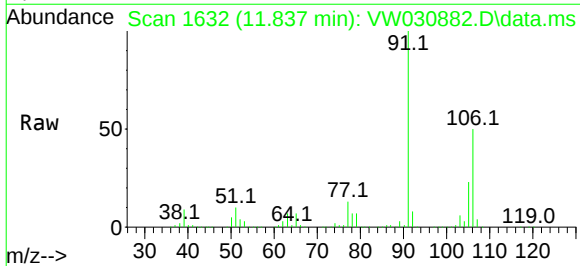
Manual Integrations
APPROVED

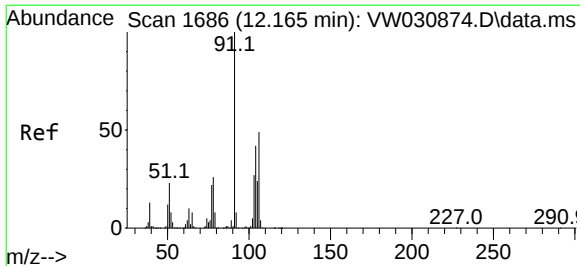
Reviewed By :Romaben Patel 11/04/2024
Supervised By :Mahesh Dadoda 11/05/2024



#53
m,p-Xylene
Concen: 21.468 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14

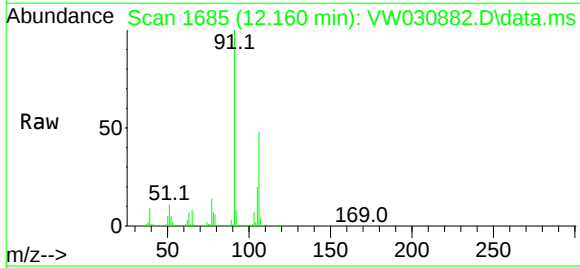
Tgt Ion:106 Resp: 237030
Ion Ratio Lower Upper
106 100
91 198.8 140.6 261.2





#54
o-Xylene
Concen: 29.608 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14

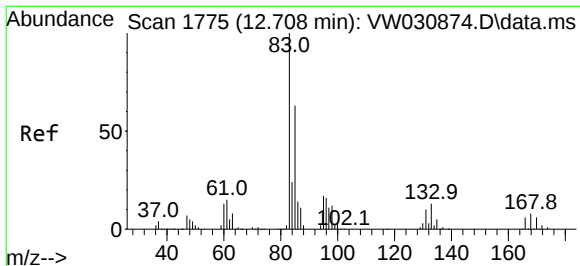
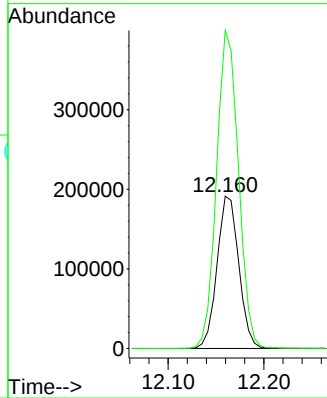
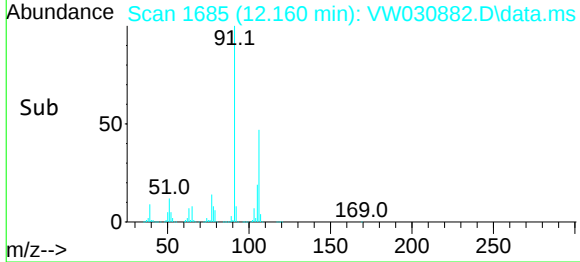
Instrument : MSVOA_W
ClientSampleId : A4EA6DL



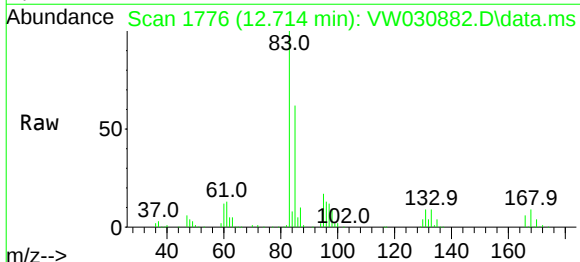
Tgt Ion: 106 Resp: 302224
Ion Ratio Lower Upper
106 100
91 208.8 144.5 268.4

Manual Integrations
APPROVED

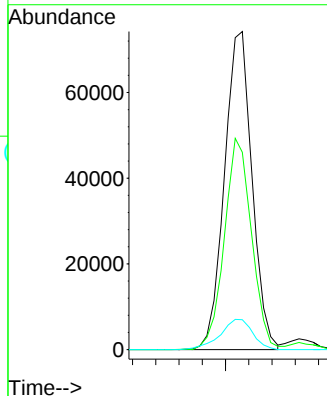
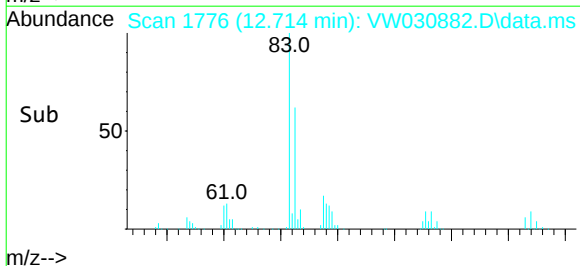
Reviewed By : Romaben Patel 11/04/2024
Supervised By : Mahesh Dadoda 11/05/2024

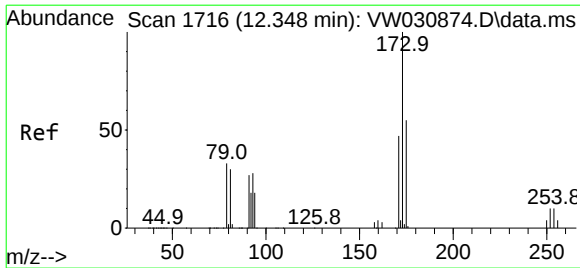


#57
1,1,2,2-Tetrachloroethane
Concen: 24.818 ug/L
RT: 12.714 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14



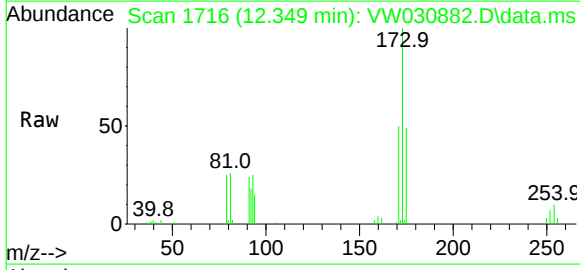
Tgt Ion: 83 Resp: 122299
Ion Ratio Lower Upper
83 100
85 62.0 42.6 79.2
131 9.4 7.4 11.0





#59
Bromoform
Concen: 9.303 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14

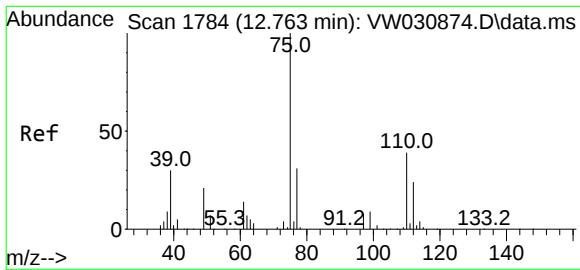
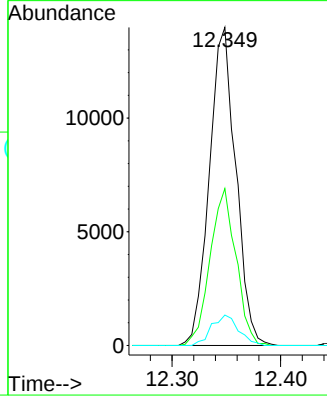
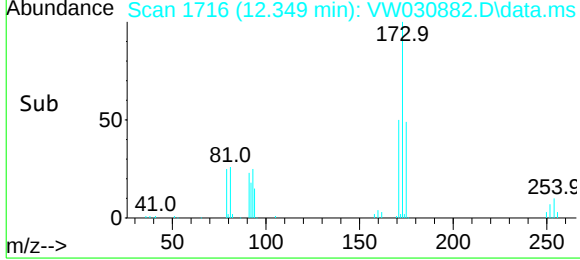
Instrument :
MSVOA_W
ClientSampleId :
A4EA6DL



Tgt Ion:	173	Resp:	23713
Ion Ratio	Lower	Upper	
173	100		
175	48.3	39.0	58.4
254	9.7	7.7	11.5

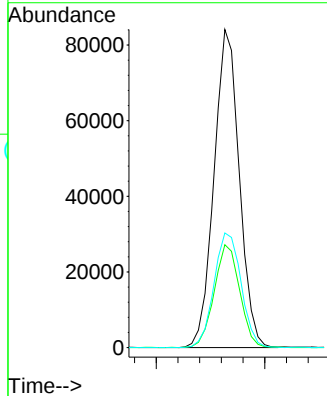
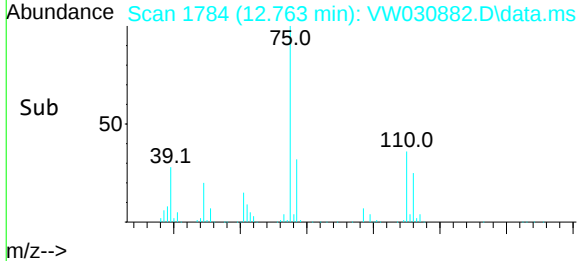
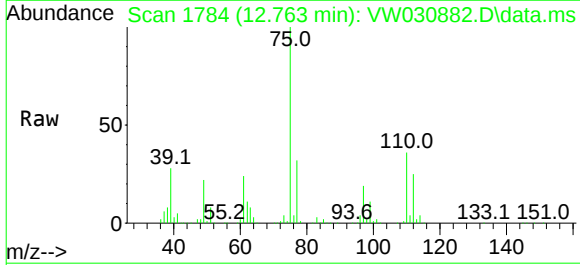
Manual Integrations
APPROVED

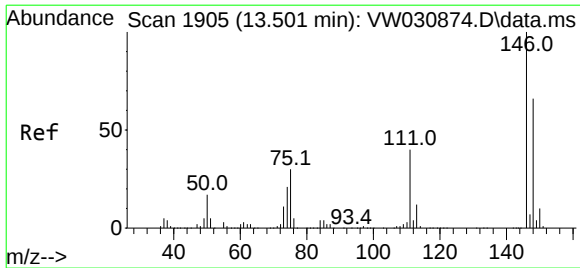
Reviewed By :Romaben Patel 11/04/2024
Supervised By :Mahesh Dadoda 11/05/2024



#61
1,2,3-Trichloropropane
Concen: 38.524 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14

Tgt Ion:	75	Resp:	136010
Ion Ratio	Lower	Upper	
75	100		
77	32.7	25.7	38.5
110	38.6	32.3	48.5





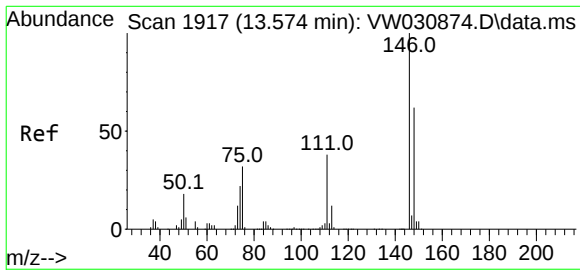
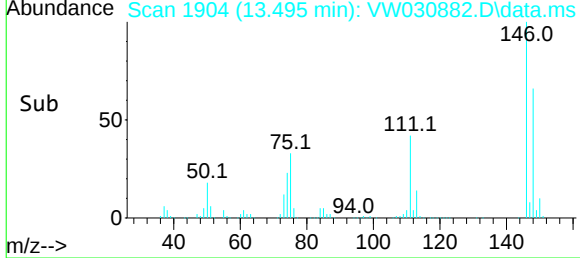
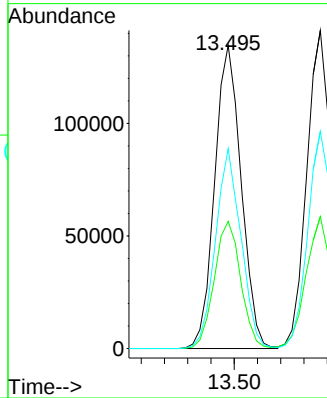
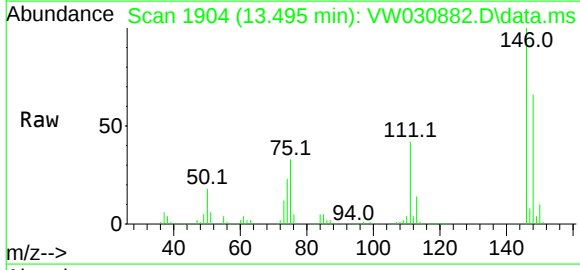
#64
1,3-Dichlorobenzene
Concen: 17.451 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14

Instrument :
MSVOA_W
ClientSampleId :
A4EA6DL

Tgt Ion:	146	Resp:	213430
Ion Ratio	Lower	Upper	
146	100		
111	41.9	31.2	58.0
148	65.9	45.7	84.9

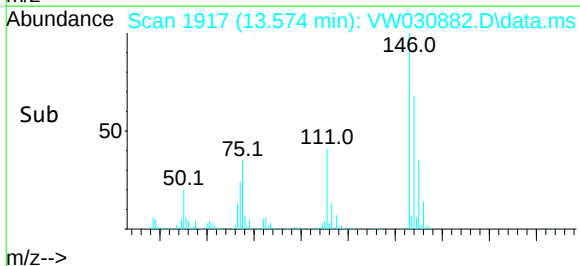
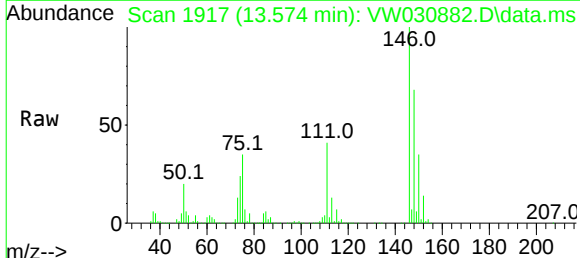
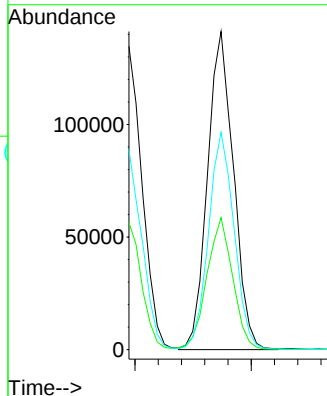
Manual Integrations
APPROVED

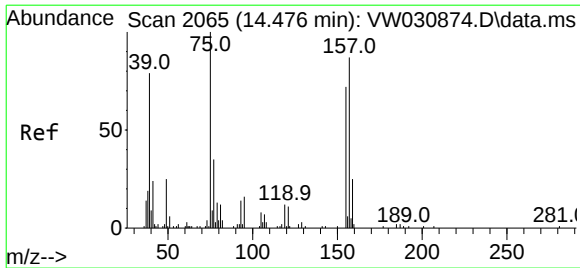
Reviewed By :Romaben Patel 11/04/2024
Supervised By :Mahesh Dadoda 11/05/2024



#65
1,4-Dichlorobenzene
Concen: 17.420 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14

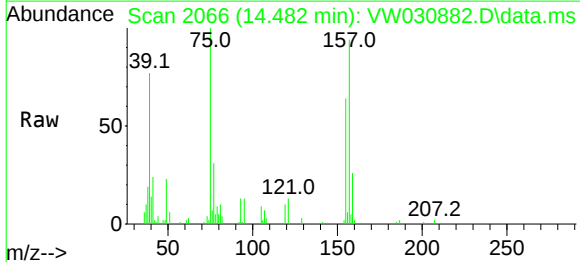
Tgt Ion:	146	Resp:	219979
Ion Ratio	Lower	Upper	
146	100		
111	41.5	26.8	49.8
148	68.3	41.0	76.2





#68
1,2-Dibromo-3-chloropropane
Concen: 11.075 ug/L
RT: 14.482 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14

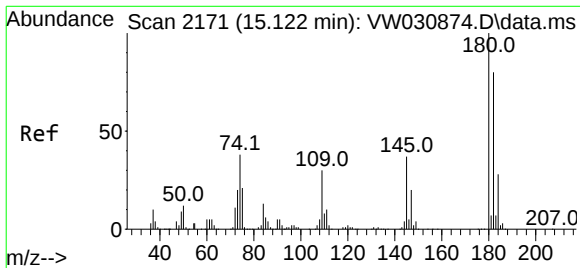
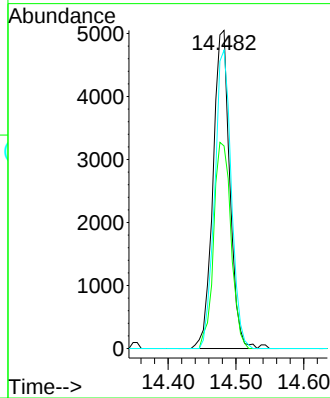
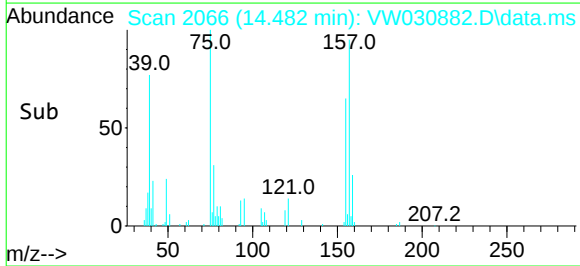
Instrument :
MSVOA_W
ClientSampleId :
A4EA6DL



Tgt Ion: 75 Resp: 8718
Ion Ratio Lower Upper
75 100
155 63.7 57.9 86.9
157 93.8 69.0 103.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/04/2024
Supervised By :Mahesh Dadoda 11/05/2024



#70
1,2,4-trichlorobenzene
Concen: 9.622 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.000 min
Lab File: VW030882.D
Acq: 01 Nov 2024 13:14

Tgt Ion:180 Resp: 62473
Ion Ratio Lower Upper
180 100
182 86.8 75.2 112.8
145 31.5 25.4 38.2

