

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101724\
 Data File : VW030630.D
 Acq On : 17 Oct 2024 11:43
 Operator : SY/MD
 Sample : P4414-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E87

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/18/2024
 Supervised By :Semsettin Yesilyurt 10/18/2024

Quant Time: Oct 18 01:39:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Oct 18 01:38:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	261198	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	242113	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	117100	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	68417	16.664	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.640%
7) Chloroethane-d5	2.899	69	60634	19.510	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.040%
11) 1,1-Dichloroethene-d2	4.015	65	28539	16.713	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.840%
21) 2-Butanone-d5	7.075	46	32289	43.701	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.400%
24) Chloroform-d	7.648	84	174845	23.407	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.640%
26) 1,2-Dichloroethane-d4	8.307	65	76772m	19.765	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	79.040%
32) Benzene-d6	8.276	84	259023	18.433	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	73.720%
36) 1,2-Dichloropropane-d6	9.276	67	81466	19.752	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.000%
41) Toluene-d8	10.325	98	250578	19.534	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.120%
43) trans-1,3-Dichloroprop...	10.574	79	33111	19.172	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.680%
47) 2-Hexanone-d5	10.922	63	24523	46.163	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.320%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	69184	22.841	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.360%
66) 1,2-Dichlorobenzene-d4	13.848	152	78776	19.882	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.520%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.045	96	141336	40.331	ug/L	84
13) Acetone	4.124	43	55239	51.066	ug/L	99
16) Methylene chloride	4.917	84	309163	78.294	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	116310	30.758	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	214332	40.499	ug/L	99
19) 1,1-Dichloroethane	6.215	63	630176	89.666	ug/L	99
22) 2-Butanone	7.167	43	205503	176.246	ug/L	96
25) Chloroform	7.679	83	676858	90.122	ug/L	99
31) Carbon tetrachloride	8.069	117	92674	16.144	ug/L	96
33) Benzene	8.325	78	1029823	65.362	ug/L	100
34) Trichloroethene	9.093	95	410496	93.650	ug/L	97
37) 1,2-Dichloropropane	9.367	63	145315	36.928	ug/L	100
39) cis-1,3-Dichloropropene	10.075	75	369288	62.217	ug/L	95
40) 4-Methyl-2-pentanone	10.209	43	276671	146.354	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	353801	70.934	ug/L	100
45) 1,1,2-Trichloroethane	10.788	97	135326	47.584	ug/L	98
50) 1,2-Dibromoethane	11.233	107	116899	44.051	ug/L	98
53) m,p-Xylene	11.830	106	344763	47.979	ug/L	98
54) o-Xylene	12.166	106	427595	64.366	ug/L	88

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Quant Title : SFAM01.0
QLast Update : Fri Oct 18 01:38:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.714	83	148651	46.350	ug/L	92
59) Bromoform	12.349	173	29651	18.022	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	169515	74.393	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	308653	39.102	ug/L	92
65) 1,4-Dichlorobenzene	13.574	146	295273	36.228	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.476	75	10862	21.379	ug/L	90
70) 1,2,4-trichlorobenzene	15.129	180	81356	19.415	ug/L	98

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

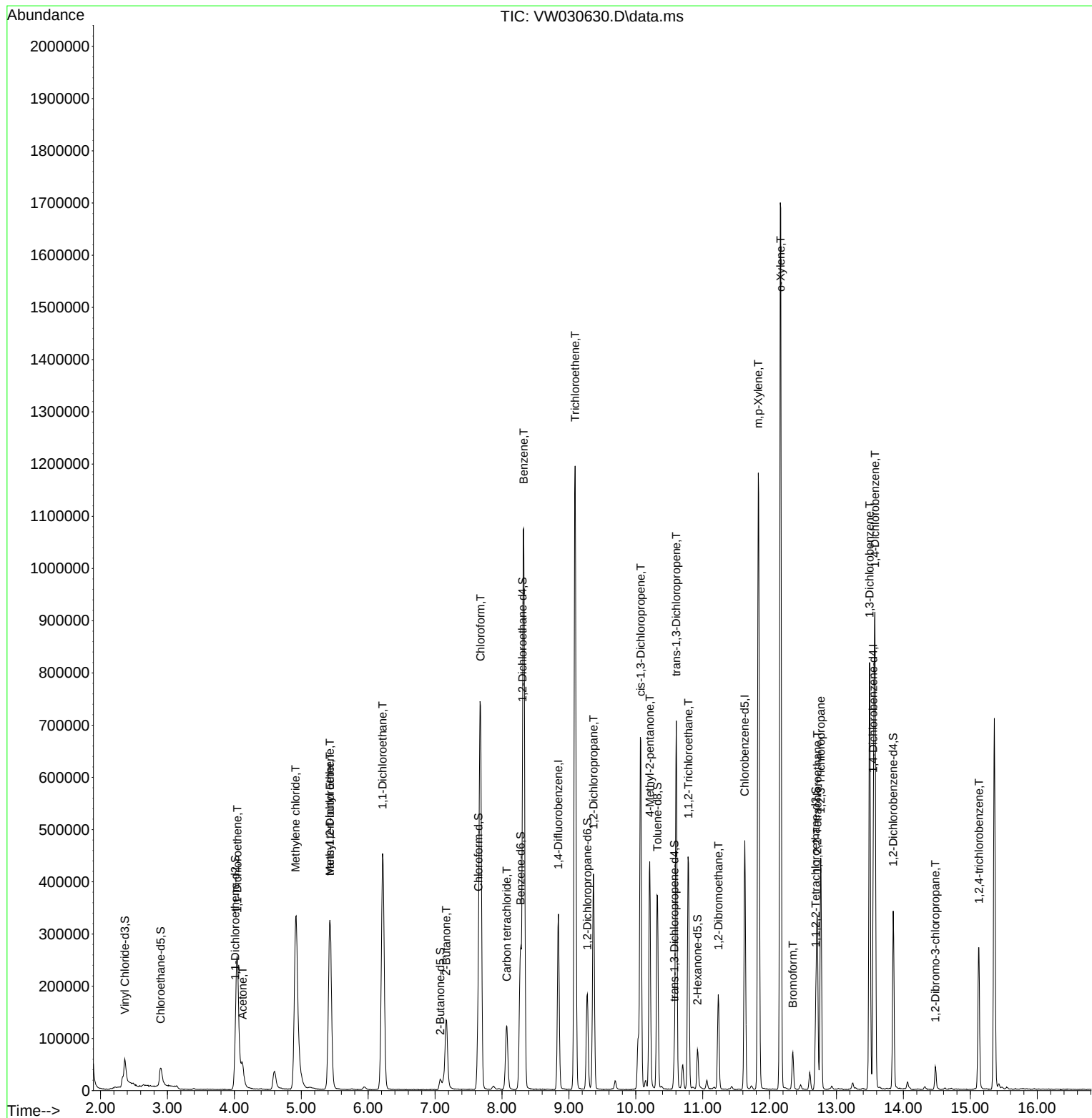
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Data File : VW030630.D
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Operator : SY/MD
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ALS Vial : 6 Sample Multiplier: 1

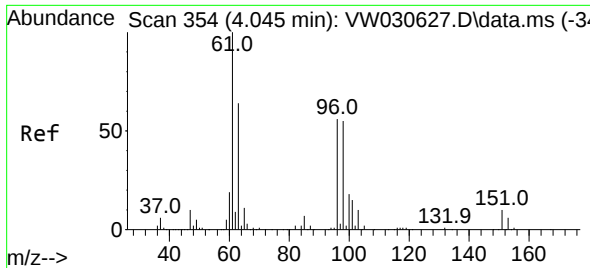
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
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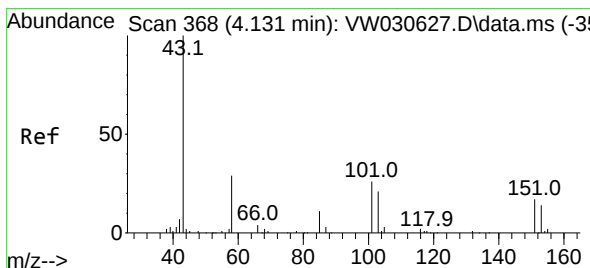
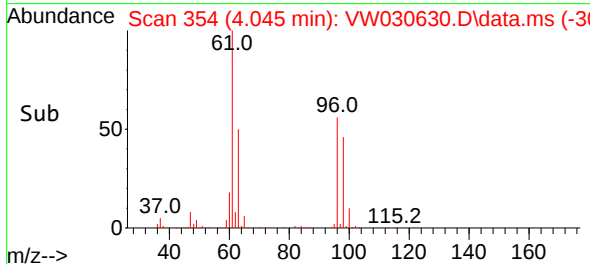
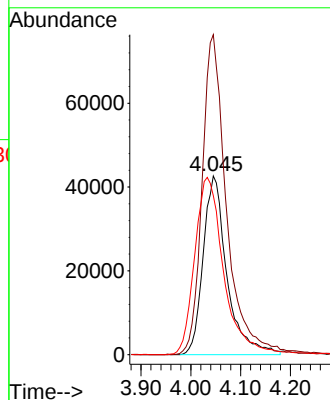
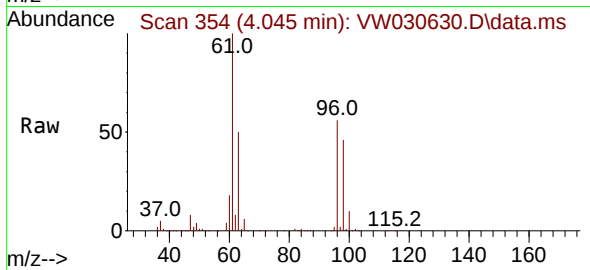
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1,1-Dichloroethene
Concen: 40.331 ug/L
RT: 4.045 min Scan# 354
Delta R.T. -0.000 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

Instrument :
MSVOA_W
ClientSampleId :
A4E87

Tgt Ion: 96 Resp: 141330
Ion Ratio Lower Upper
96 100
61 179.0 121.3 225.3
63 88.9 87.6 162.8

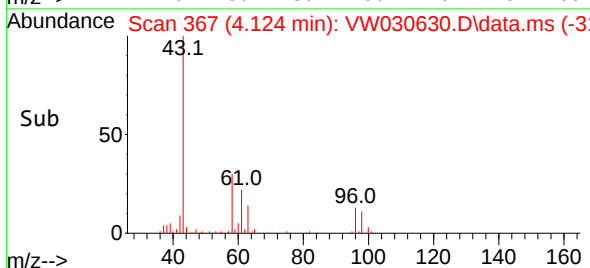
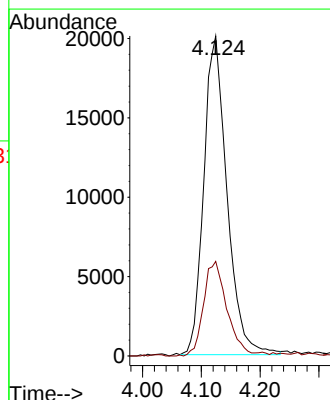
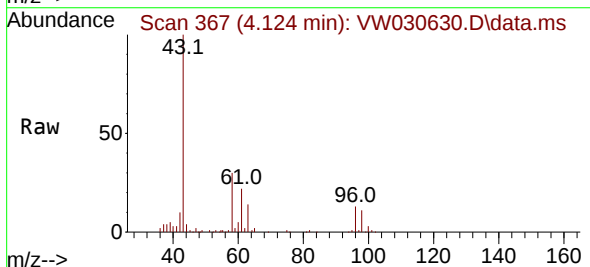
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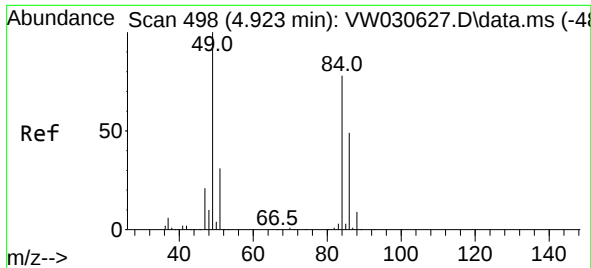
Reviewed By :Mahesh Dadoda 10/18/2024
Supervised By :Semsettin Yesilyurt 10/18/2024



#13
Acetone
Concen: 51.066 ug/L
RT: 4.124 min Scan# 367
Delta R.T. -0.006 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

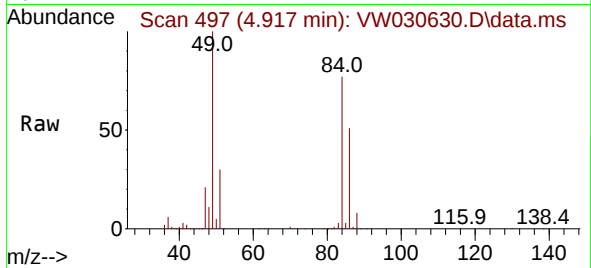
Tgt Ion: 43 Resp: 55239
Ion Ratio Lower Upper
43 100
58 29.6 0.0 57.6





#16
Methylene chloride
Concen: 78.294 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

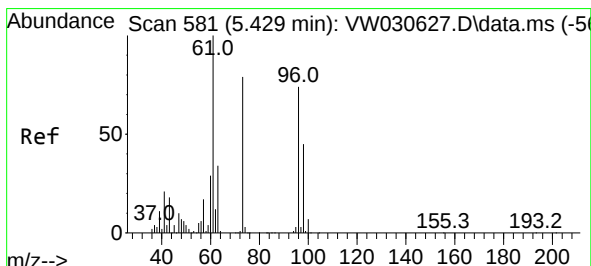
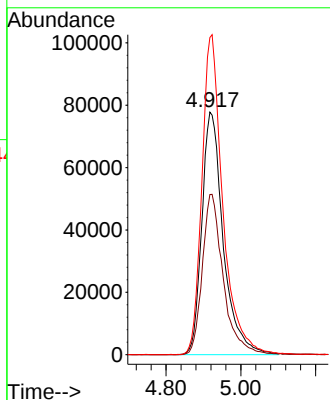
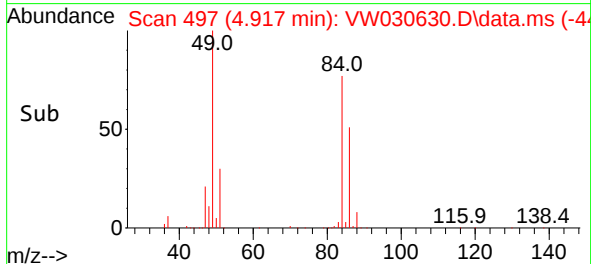
Instrument :
MSVOA_W
ClientSampleId :
A4E87



Tgt Ion: 84 Resp: 30916
Ion Ratio Lower Upper
84 100
86 66.0 43.8 81.3
49 130.7 88.3 164.1

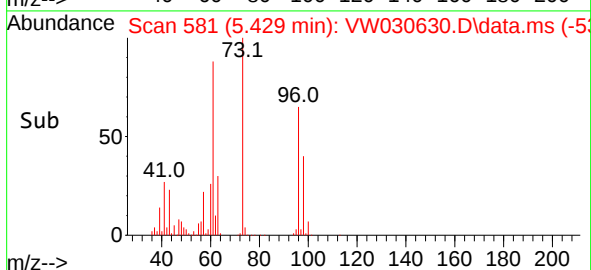
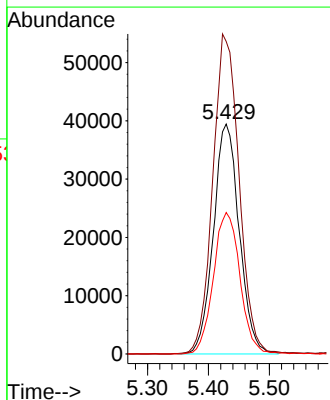
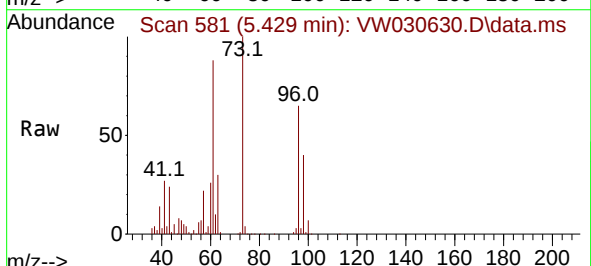
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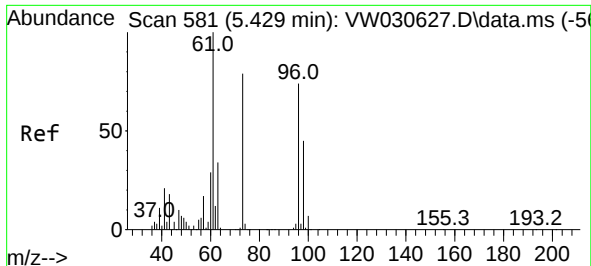
Reviewed By :Mahesh Dadoda 10/18/2024
Supervised By :Semsettin Yesilyurt 10/18/2024



#17
trans-1,2-Dichloroethene
Concen: 30.758 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

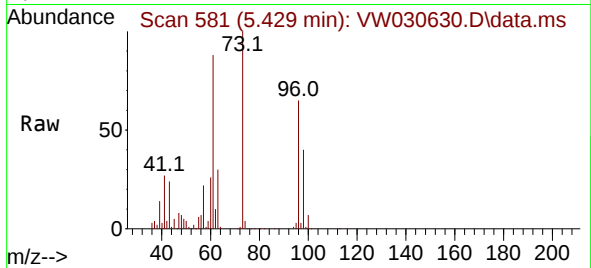
Tgt Ion: 96 Resp: 116310
Ion Ratio Lower Upper
96 100
61 135.9 96.9 179.9
98 61.5 42.2 78.4





#18
Methyl tert-butyl Ether
Concen: 40.499 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

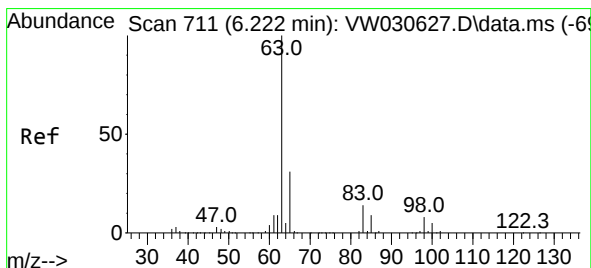
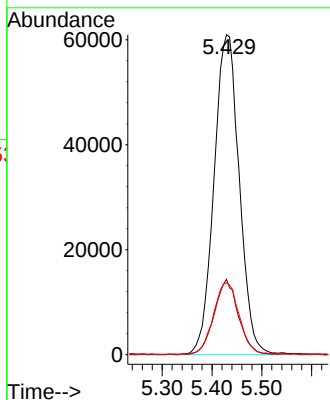
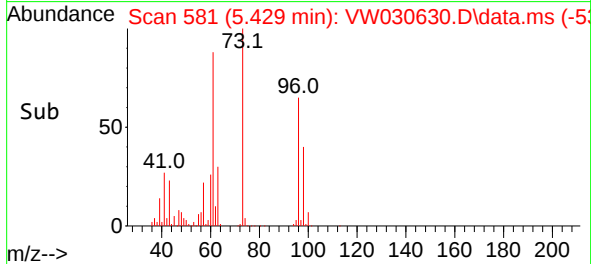
Instrument :
MSVOA_W
ClientSampleId :
A4E87



Tgt Ion: 73 Resp: 21433
Ion Ratio Lower Upper
73 100
43 22.2 18.1 27.1
57 22.5 17.7 26.5

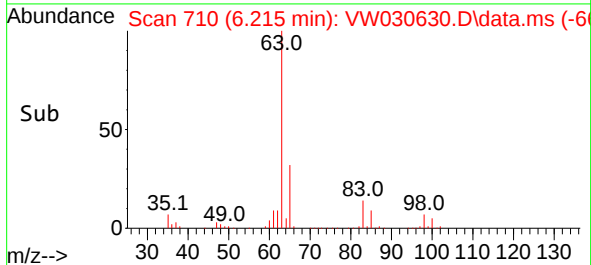
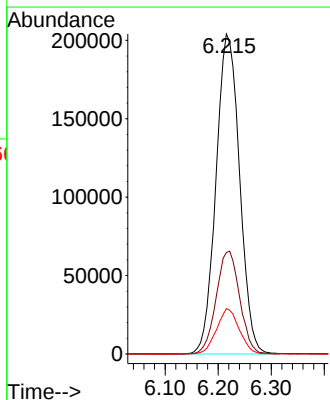
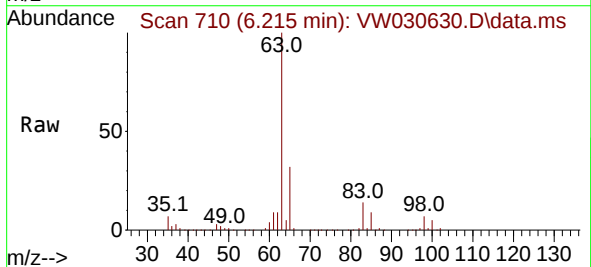
Manual Integrations
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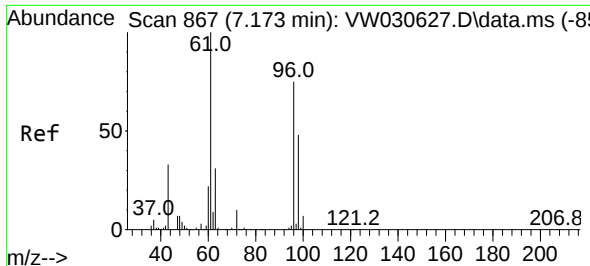
Reviewed By :Mahesh Dadoda 10/18/2024
Supervised By :Semsettin Yesilyurt 10/18/2024



#19
1,1-Dichloroethane
Concen: 89.666 ug/L
RT: 6.215 min Scan# 710
Delta R.T. -0.006 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

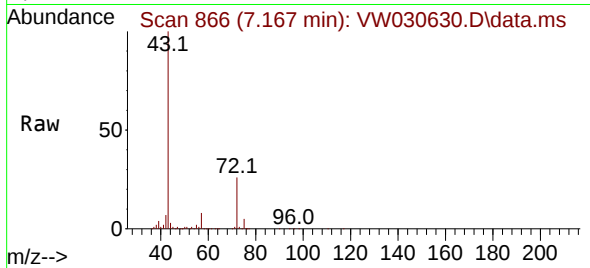
Tgt Ion: 63 Resp: 630176
Ion Ratio Lower Upper
63 100
65 31.7 22.5 41.9
83 14.1 9.8 18.2





#22
2-Butanone
Concen: 176.246 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

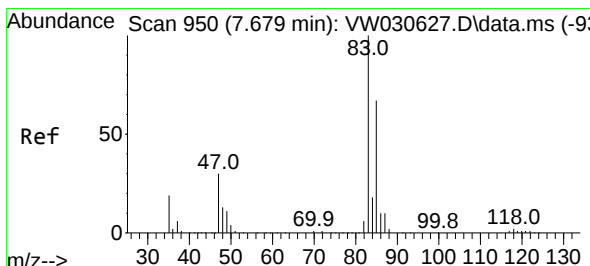
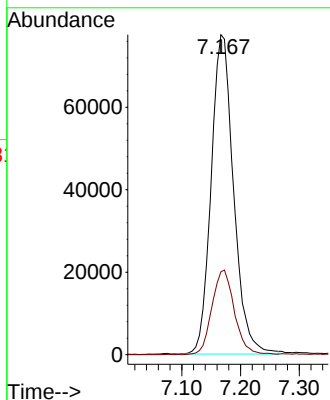
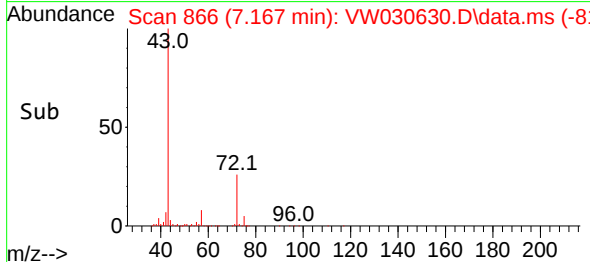
Instrument :
MSVOA_W
ClientSampleId :
A4E87



Tgt Ion: 43 Resp: 20550
Ion Ratio Lower Upper
43 100
72 26.4 14.4 43.0

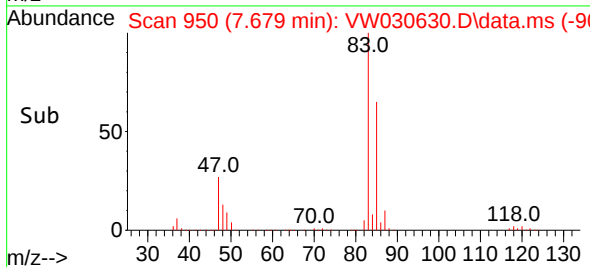
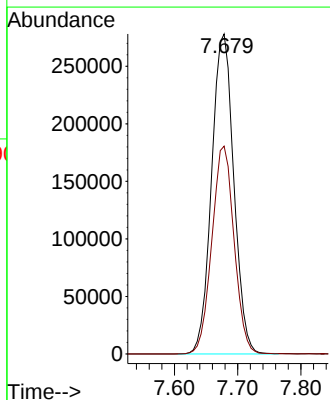
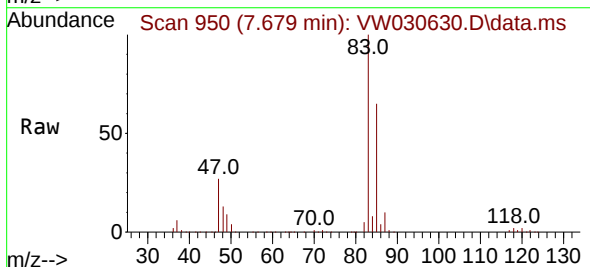
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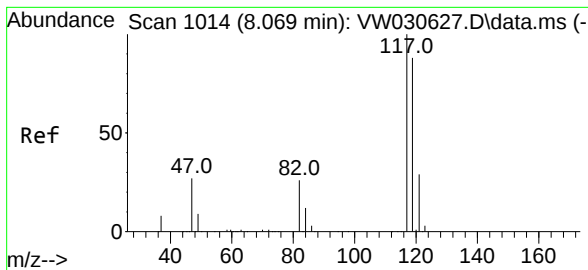
Reviewed By :Mahesh Dadoda 10/18/2024
Supervised By :Semsettin Yesilyurt 10/18/2024



#25
Chloroform
Concen: 90.122 ug/L
RT: 7.679 min Scan# 950
Delta R.T. -0.000 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

Tgt Ion: 83 Resp: 676858
Ion Ratio Lower Upper
83 100
85 64.9 45.1 83.7





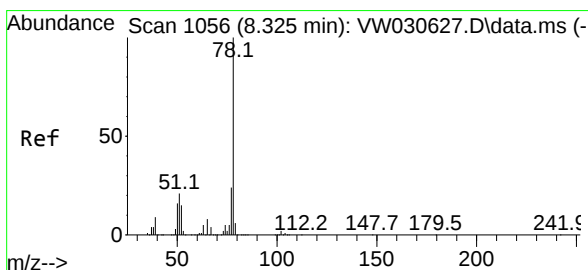
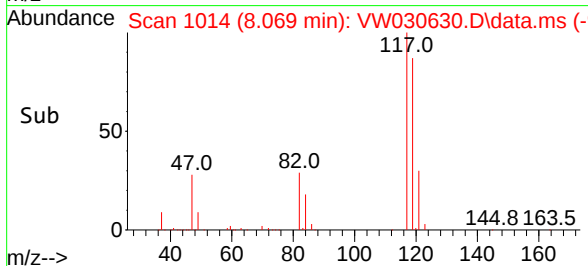
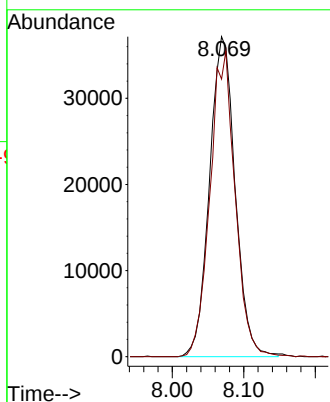
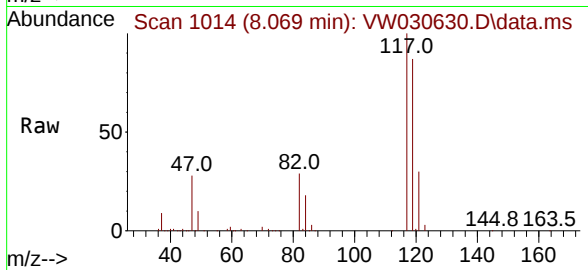
#31
Carbon tetrachloride
Concen: 16.144 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW030630.D
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Instrument :
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ClientSampleId :
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Tgt Ion:117 Resp: 92674
Ion Ratio Lower Upper
117 100
119 93.4 77.8 116.8

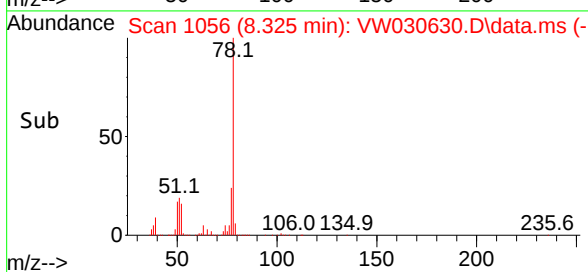
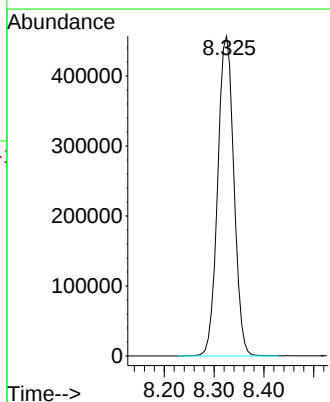
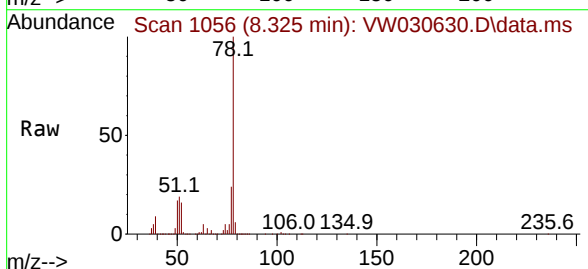
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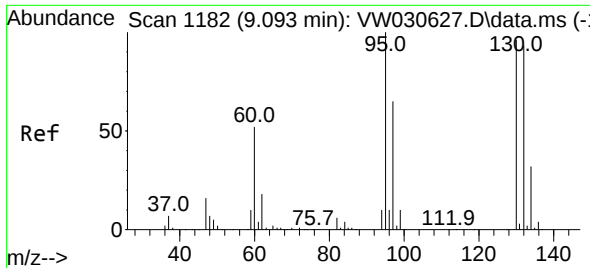
Reviewed By :Mahesh Dadoda 10/18/2024
Supervised By :Semsettin Yesilyurt 10/18/2024



#33
Benzene
Concen: 65.362 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

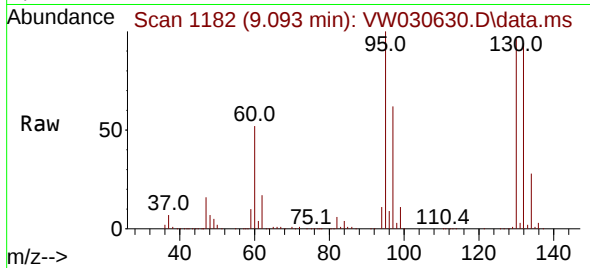
Tgt Ion: 78 Resp: 1029823





#34
Trichloroethene
Concen: 93.650 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

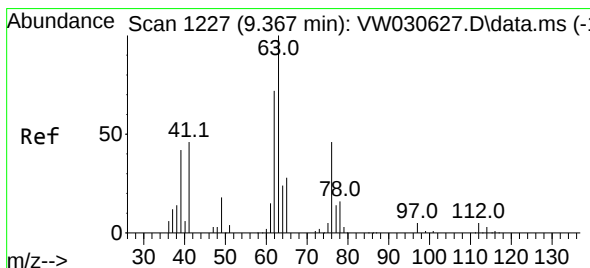
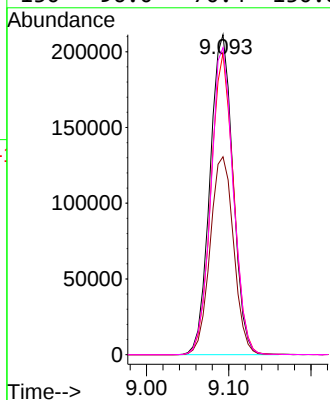
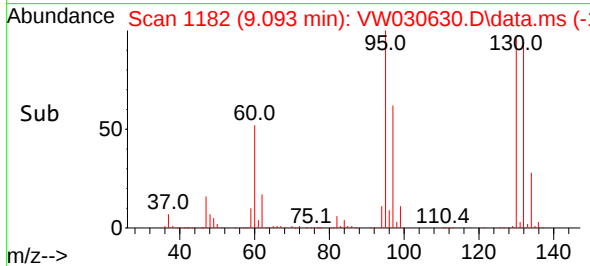
Instrument :
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Tgt Ion: 95 Resp: 410490
Ion Ratio Lower Upper
95 100
97 61.8 45.9 85.3
132 94.2 66.4 123.2
130 96.0 70.4 130.8

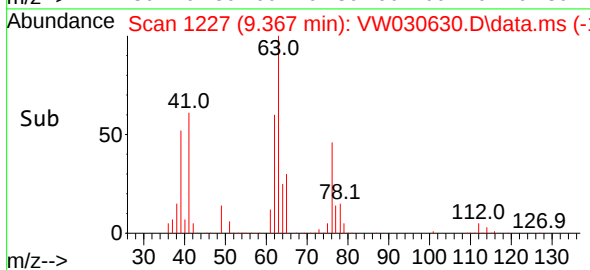
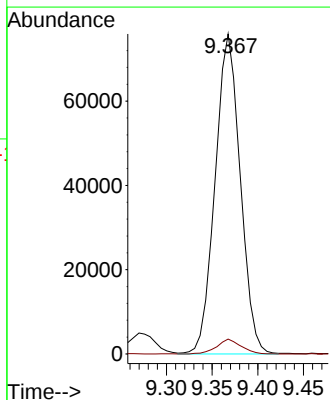
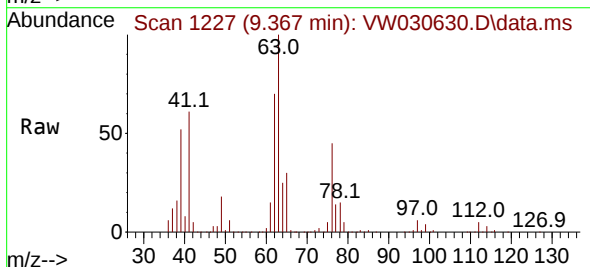
Manual Integrations
APPROVED

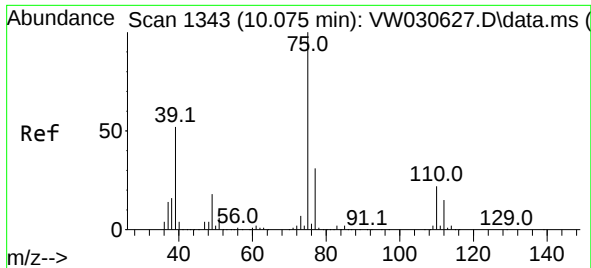
Reviewed By :Mahesh Dadoda 10/18/2024
Supervised By :Semsettin Yesilyurt 10/18/2024



#37
1,2-Dichloropropane
Concen: 36.928 ug/L
RT: 9.367 min Scan# 1227
Delta R.T. -0.000 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

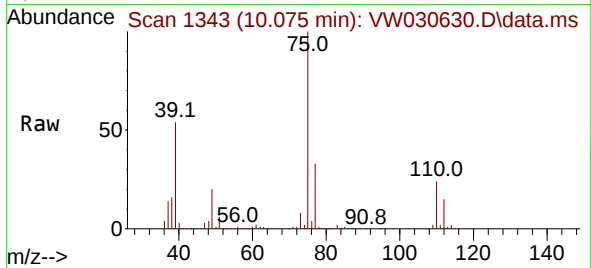
Tgt Ion: 63 Resp: 145315
Ion Ratio Lower Upper
63 100
112 4.5 3.7 5.5





#39
cis-1,3-Dichloropropene
Concen: 62.217 ug/L
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

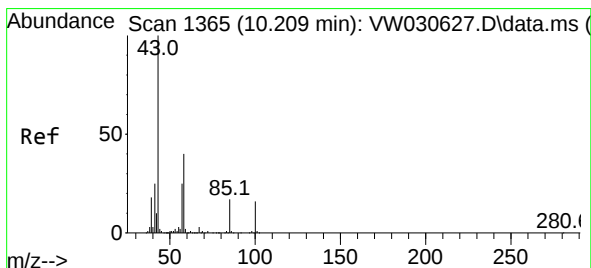
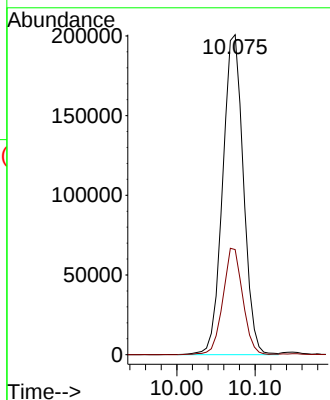
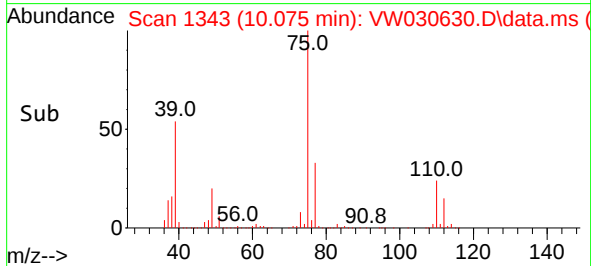
Instrument :
MSVOA_W
ClientSampleId :
A4E87



Tgt Ion: 75 Resp: 369288
Ion Ratio Lower Upper
75 100
77 32.8 21.1 39.1

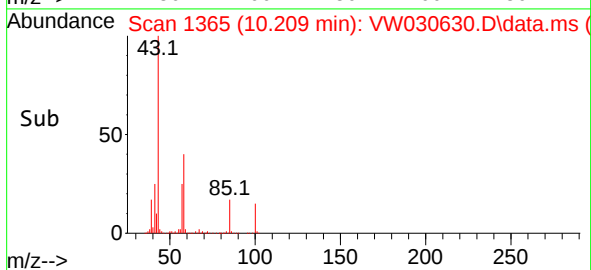
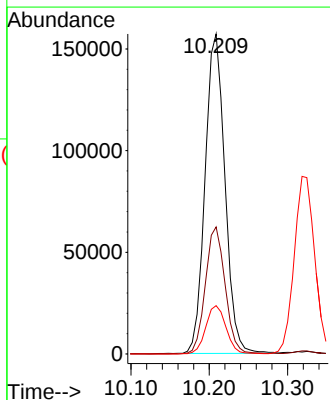
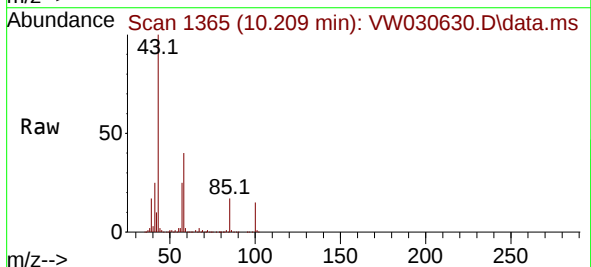
Manual Integrations
APPROVED

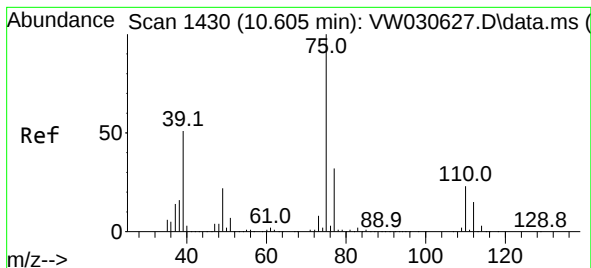
Reviewed By :Mahesh Dadoda 10/18/2024
Supervised By :Semsettin Yesilyurt 10/18/2024



#40
4-Methyl-2-pentanone
Concen: 146.354 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

Tgt Ion: 43 Resp: 276671
Ion Ratio Lower Upper
43 100
58 39.6 31.4 47.2
100 15.5 13.1 19.7





#44

trans-1,3-Dichloropropene

Concen: 70.934 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW030630.D

Acq: 17 Oct 2024 11:43

Instrument :

MSVOA_W

ClientSampleId :

A4E87

Tgt Ion: 75 Resp: 35380

Ion Ratio Lower Upper

75 100

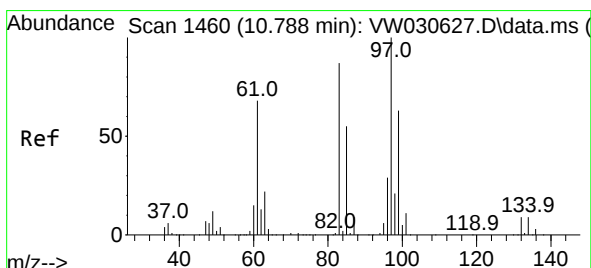
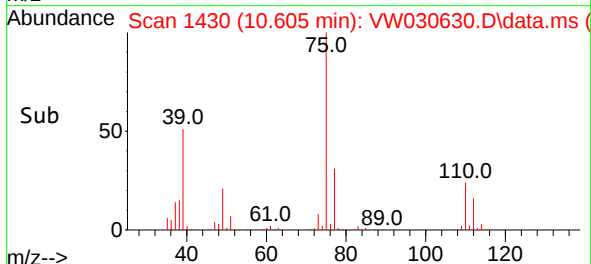
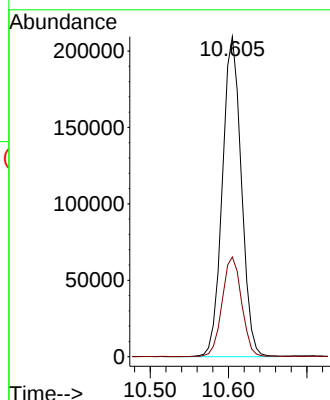
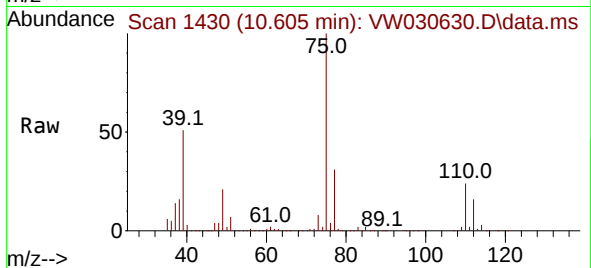
77 31.1 21.6 40.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/18/2024

Supervised By :Semsettin Yesilyurt 10/18/2024



#45

1,1,2-Trichloroethane

Concen: 47.584 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW030630.D

Acq: 17 Oct 2024 11:43

Tgt Ion: 97 Resp: 135326

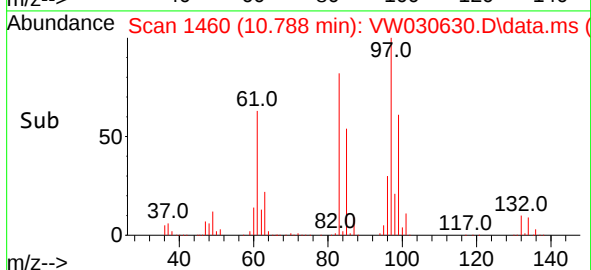
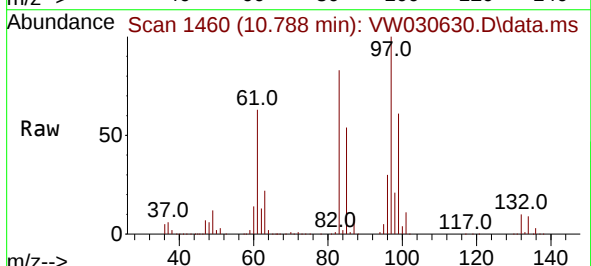
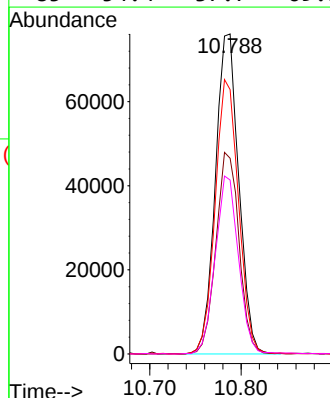
Ion Ratio Lower Upper

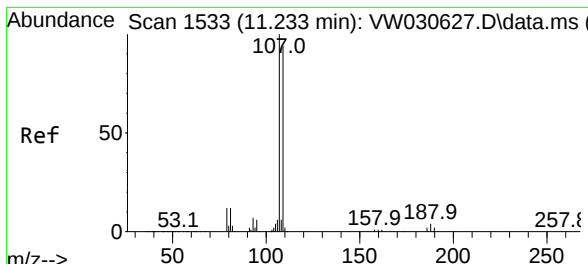
97 100

99 61.2 41.2 76.6

83 82.6 59.6 110.6

85 54.4 37.7 69.9



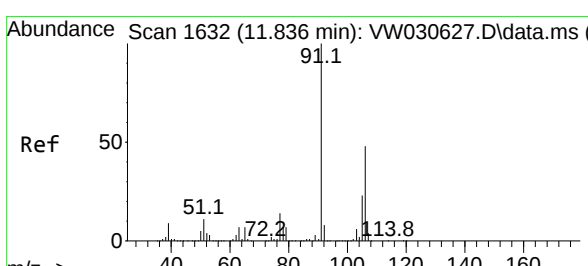
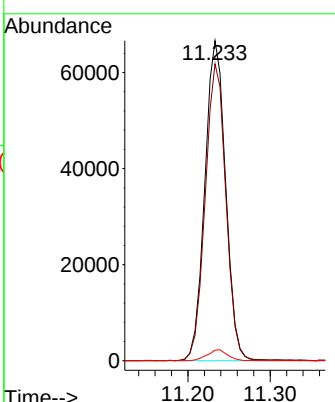
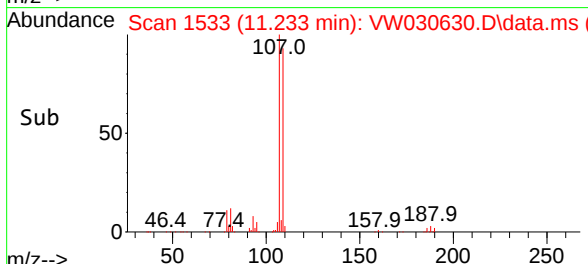
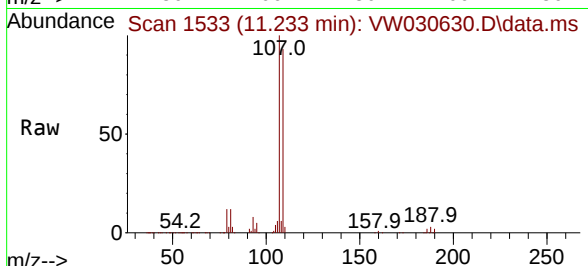


#50
 1,2-Dibromoethane
 Concen: 44.051 ug/L
 RT: 11.233 min Scan# 1533
 Delta R.T. -0.000 min
 Lab File: VW030630.D
 Acq: 17 Oct 2024 11:43

Instrument : MSVOA_W
 ClientSampleId : A4E87

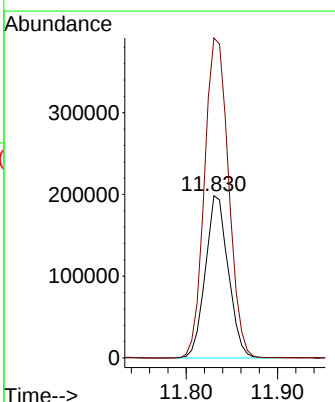
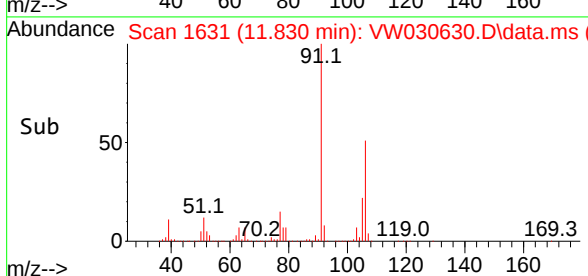
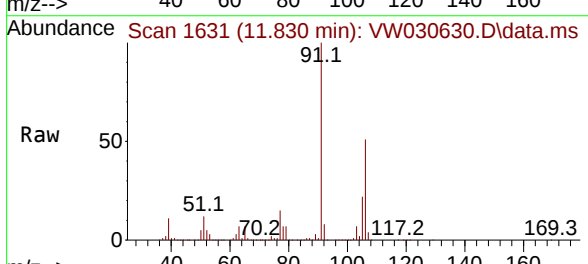
Tgt Ion:	107	Resp:	11689
Ion Ratio	Lower	Upper	
107	100		
109	92.8	63.8	118.6
188	3.3	2.6	3.8

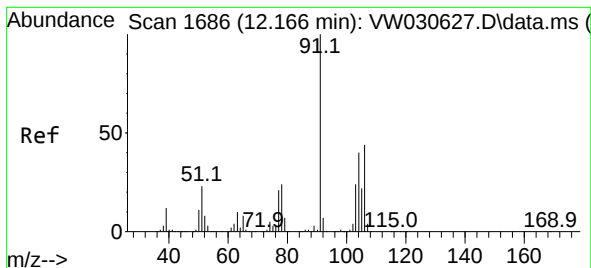
Manual Integrations
APPROVED
 Reviewed By :Mahesh Dadoda 10/18/2024
 Supervised By :Semsettin Yesilyurt 10/18/2024



#53
 m,p-Xylene
 Concen: 47.979 ug/L
 RT: 11.830 min Scan# 1631
 Delta R.T. -0.006 min
 Lab File: VW030630.D
 Acq: 17 Oct 2024 11:43

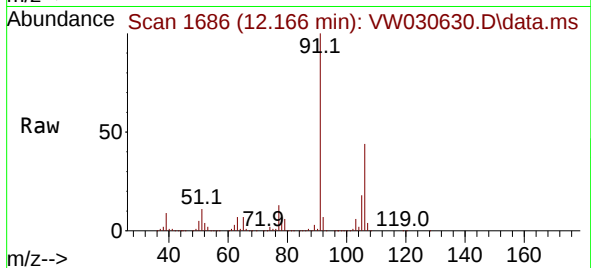
Tgt Ion:	106	Resp:	344763
Ion Ratio	Lower	Upper	
106	100		
91	197.2	140.6	261.2





#54
o-Xylene
Concen: 64.366 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

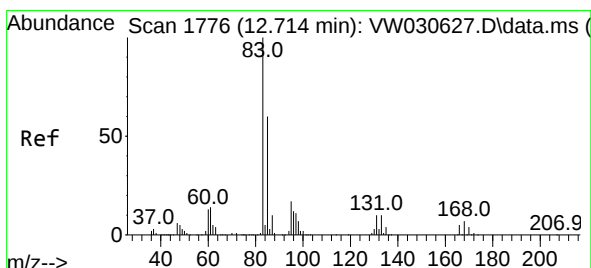
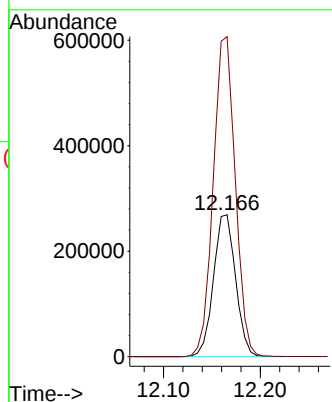
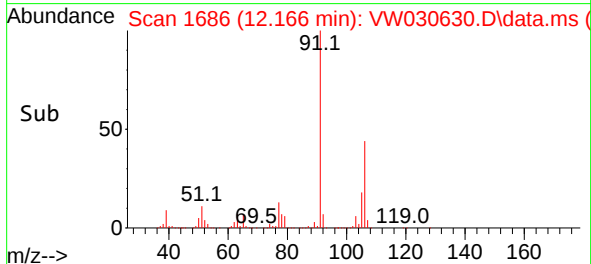
Instrument :
MSVOA_W
ClientSampleId :
A4E87



Tgt Ion:106 Resp: 42759
Ion Ratio Lower Upper
106 100
91 225.6 144.5 268.4

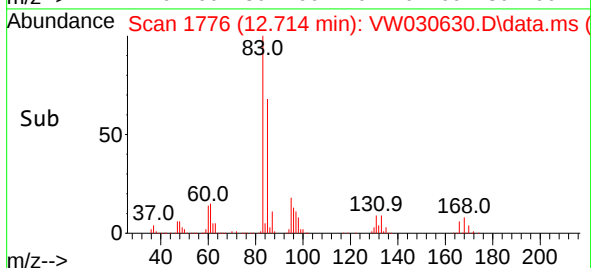
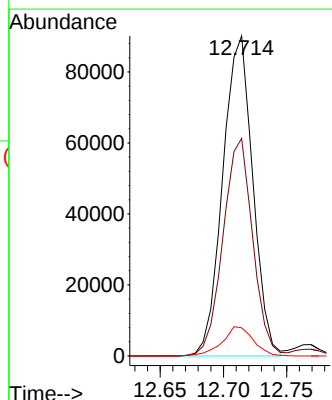
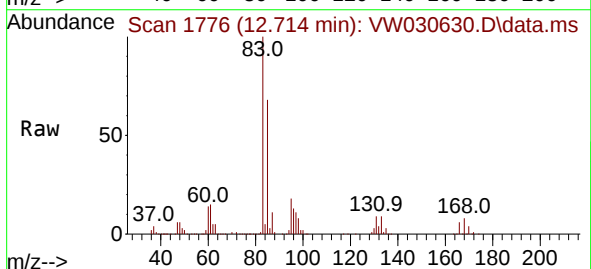
Manual Integrations
APPROVED

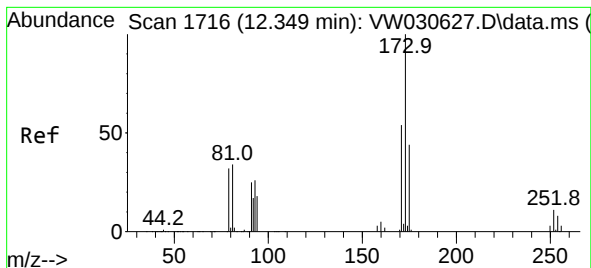
Reviewed By :Mahesh Dadoda 10/18/2024
Supervised By :Semsettin Yesilyurt 10/18/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 46.350 ug/L
RT: 12.714 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

Tgt Ion: 83 Resp: 148651
Ion Ratio Lower Upper
83 100
85 68.0 42.6 79.2
131 8.8 7.4 11.0





#59

Bromoform

Concen: 18.022 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW030630.D

Acq: 17 Oct 2024 11:43

Instrument :

MSVOA_W

ClientSampleId :

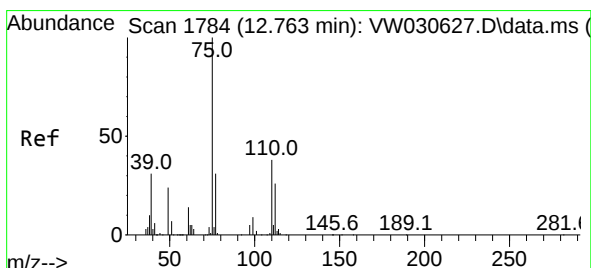
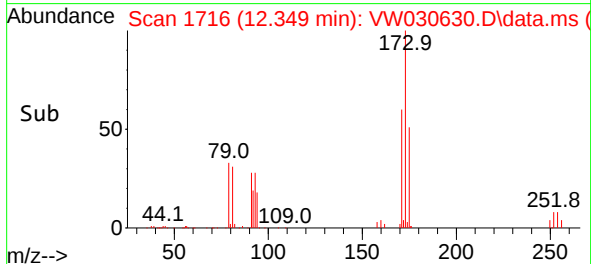
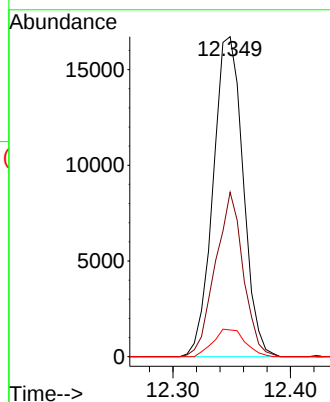
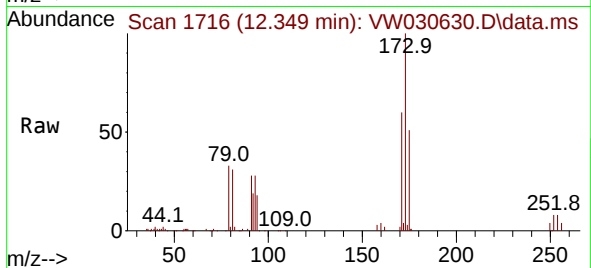
A4E87

Tgt Ion:	173	Resp:	2965
Ion Ratio	Lower	Upper	
173	100		
175	47.9	39.0	58.4
254	9.1	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/18/2024
Supervised By :Semsettin Yesilyurt 10/18/2024



#61

1,2,3-Trichloropropane

Concen: 74.393 ug/L

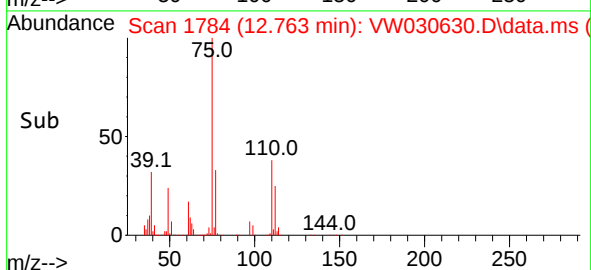
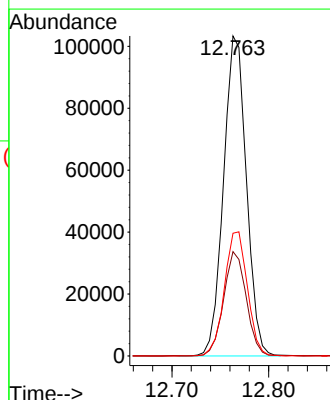
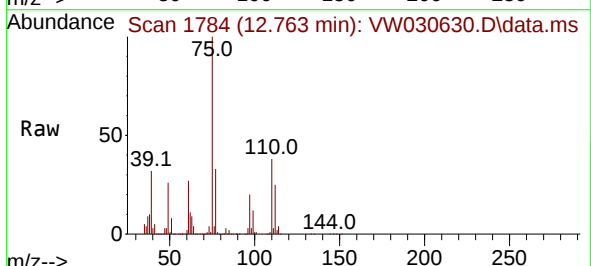
RT: 12.763 min Scan# 1784

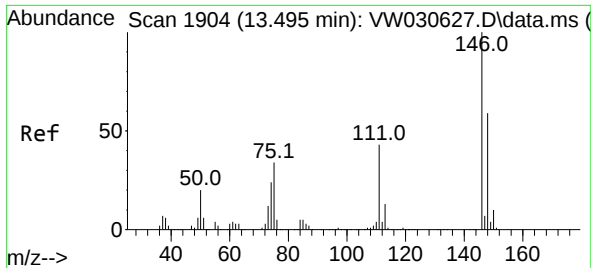
Delta R.T. -0.000 min

Lab File: VW030630.D

Acq: 17 Oct 2024 11:43

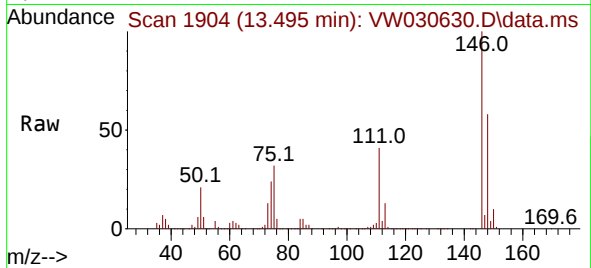
Tgt Ion:	75	Resp:	169515
Ion Ratio	Lower	Upper	
75	100		
77	32.1	25.7	38.5
110	39.1	32.3	48.5





#64
1,3-Dichlorobenzene
Concen: 39.102 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

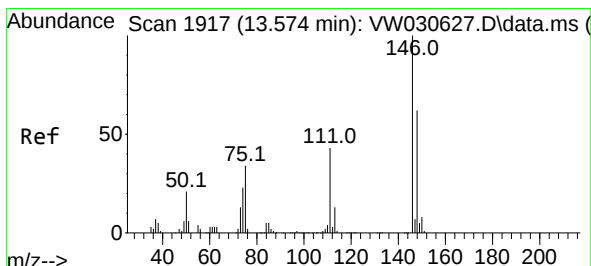
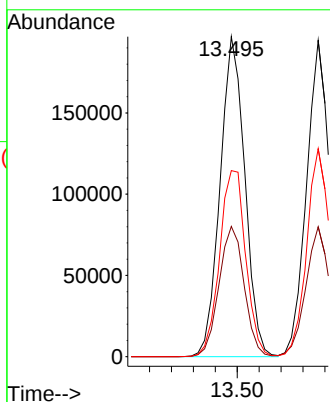
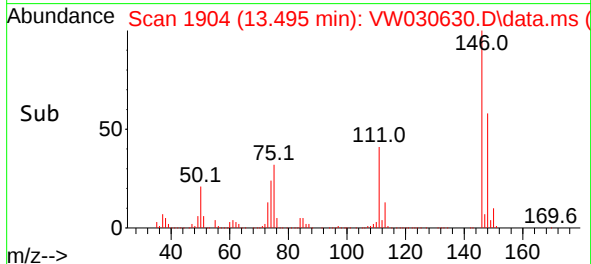
Instrument :
MSVOA_W
ClientSampleId :
A4E87



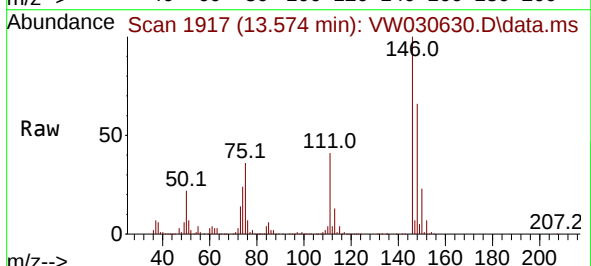
Tgt Ion:146 Resp: 30865
Ion Ratio Lower Upper
146 100
111 40.7 31.2 58.0
148 58.1 45.7 84.9

Manual Integrations
APPROVED

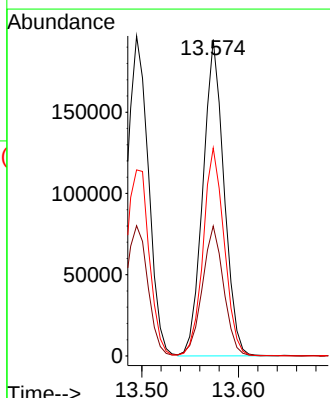
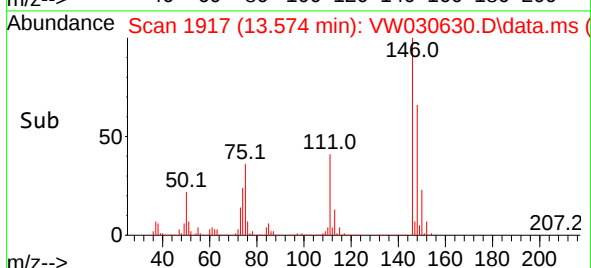
Reviewed By :Mahesh Dadoda 10/18/2024
Supervised By :Semsettin Yesilyurt 10/18/2024

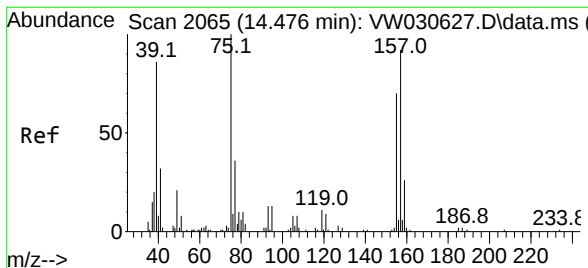


#65
1,4-Dichlorobenzene
Concen: 36.228 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43



Tgt Ion:146 Resp: 295273
Ion Ratio Lower Upper
146 100
111 41.1 26.8 49.8
148 65.7 41.0 76.2





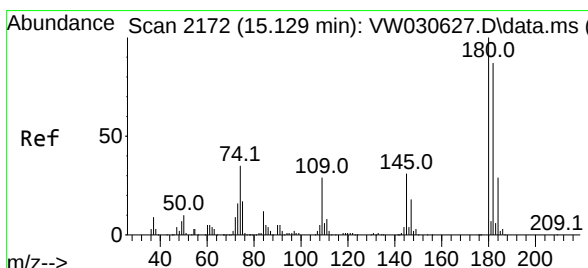
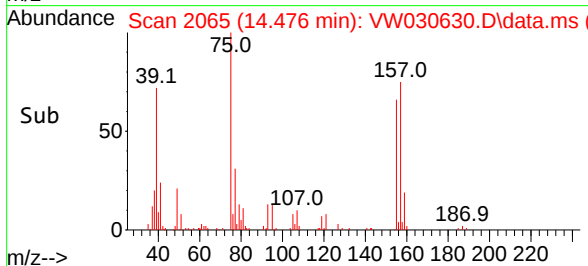
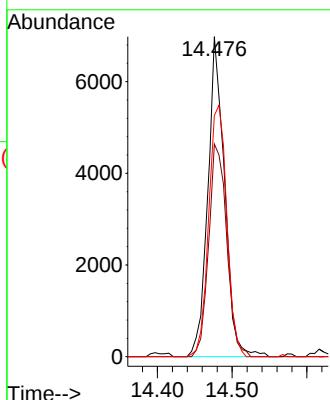
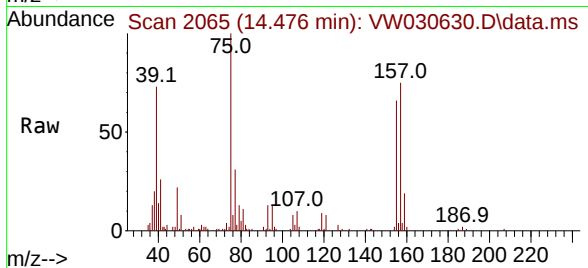
#68
1,2-Dibromo-3-chloropropane
Concen: 21.379 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

Instrument :
MSVOA_W
ClientSampleId :
A4E87

Tgt Ion: 75 Resp: 1086
Ion Ratio Lower Upper
75 100
155 66.5 57.9 86.9
157 75.4 69.0 103.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/18/2024
Supervised By :Semsettin Yesilyurt 10/18/2024



#70
1,2,4-trichlorobenzene
Concen: 19.415 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW030630.D
Acq: 17 Oct 2024 11:43

Tgt Ion:180 Resp: 81356
Ion Ratio Lower Upper
180 100
182 91.8 75.2 112.8
145 31.1 25.4 38.2

