

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
 Data File : VW030174.D
 Acq On : 20 Sep 2024 14:26
 Operator : SY/MD
 Sample : P4024-01
 Misc : 5.92g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DDCD5

Manual Integrations
 APPROVED

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

Quant Time: Sep 20 23:53:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 20 23:43:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	465533	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	204928	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	156930	25.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	110574	18.392	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.560%
7) Chloroethane-d5	2.899	69	82745	19.495	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.000%
11) 1,1-Dichloroethene-d2	4.033	65	52030	17.321	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.280%
21) 2-Butanone-d5	7.081	46	67453	46.336	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.680%
24) Chloroform-d	7.654	84	231598	18.093	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	72.360%
26) 1,2-Dichloroethane-d4	8.307	65	118966	18.508	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.040%
32) Benzene-d6	8.276	84	435792	36.914	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	147.640%#
36) 1,2-Dichloropropane-d6	9.276	67	137266	37.659	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	150.640%#
41) Toluene-d8	10.325	98	493332	46.631	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	186.520%#
43) trans-1,3-Dichloroprop...	10.581	79	42795	29.305	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	117.200%
47) 2-Hexanone-d5	10.922	63	71641	128.443	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	256.880%#
56) 1,1,2,2-Tetrachloroeth...	12.720	84	488478m	180.004	ug/L	0.03
Spiked Amount	25.000	Range	45 - 120	Recovery	=	720.000%#
66) 1,2-Dichlorobenzene-d4	13.867	152	39116	7.343	ug/L	0.02
Spiked Amount	25.000	Range	75 - 120	Recovery	=	29.360%#
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.063	96	237391	42.719	ug/L #	78
13) Acetone	4.131	43	709242	424.659	ug/L	96
14) Carbon disulfide	4.393	76	90110	5.708	ug/L	99
16) Methylene chloride	4.923	84	17089	2.489	ug/L #	59
19) 1,1-Dichloroethane	6.222	63	112594	9.051	ug/L	98
29) Cyclohexane	7.947	56	1001738	229.435	ug/L #	82
30) 1,1,1-Trichloroethane	7.880	97	2089659	421.577	ug/L	97
33) Benzene	8.325	78	2240125	178.791	ug/L	100
34) Trichloroethene	9.093	95	1681518	497.162	ug/L	96
35) Methylcyclohexane	9.343	83	2477855	475.207	ug/L	94
37) 1,2-Dichloropropane	9.367	63	144702	42.610	ug/L #	1
40) 4-Methyl-2-pentanone	10.209	43	1223892	705.326	ug/L #	92
42) Toluene	10.379	91	22900457m	1722.516	ug/L	
46) Tetrachloroethene	10.867	164	751531	301.133	ug/L	93
51) Chlorobenzene	11.660	112	185395	21.590	ug/L	98
52) Ethylbenzene	11.733	91	13079278	859.444	ug/L	93
53) m,p-Xylene	11.843	106	11141898	1984.304	ug/L	69
54) o-Xylene	12.178	106	9484610	1795.047	ug/L	78
60) Isopropylbenzene	12.477	105	9859825	426.729	ug/L	97

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Quant Title : SFAM01.0
QLast Update : Fri Sep 20 23:43:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	12.964	105	11092320m	655.002	ug/L	
63) 1,2,4-Trimethylbenzene	13.251	105	23439013m	1331.352	ug/L	

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

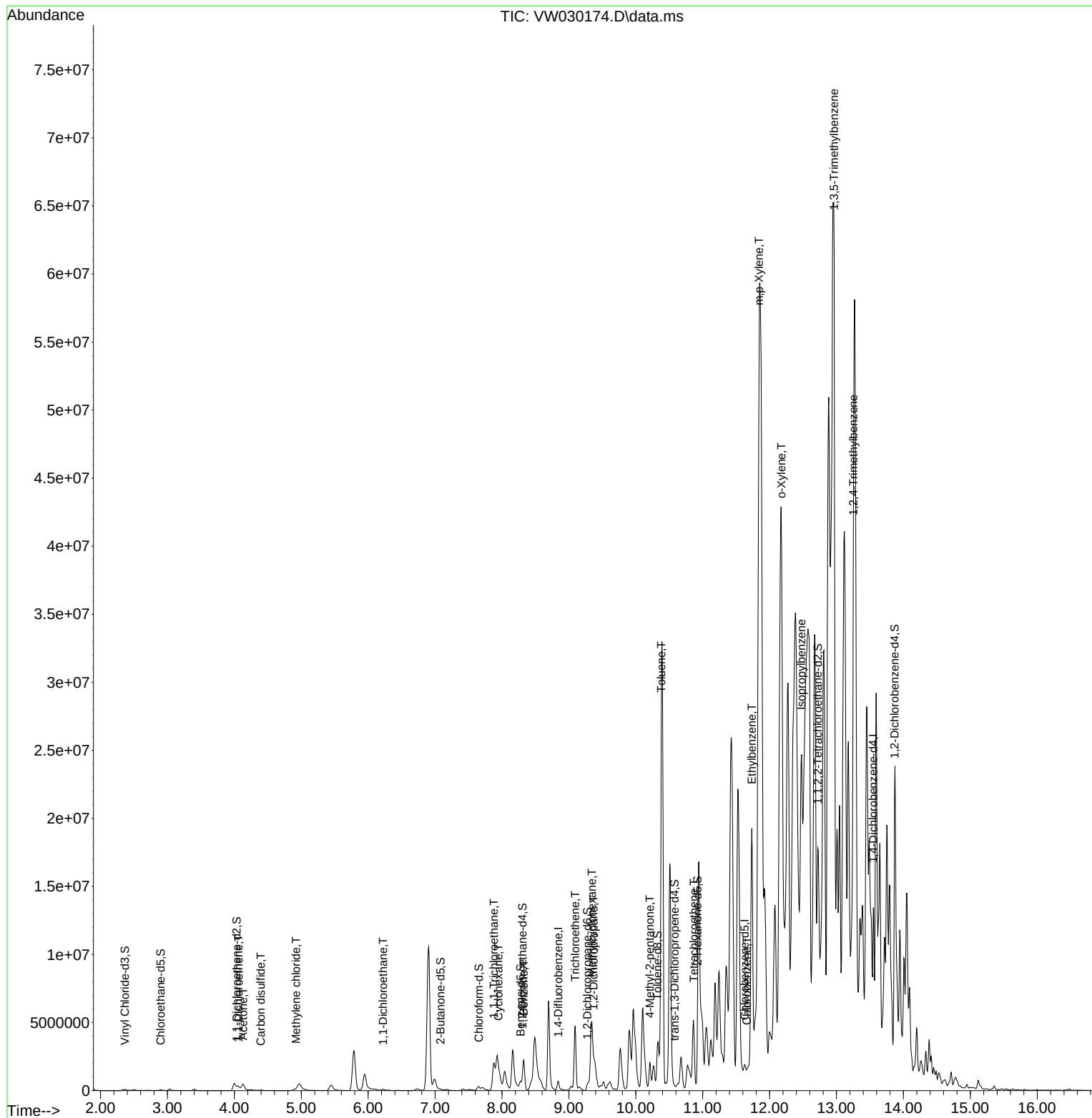
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Operator : SY/MD
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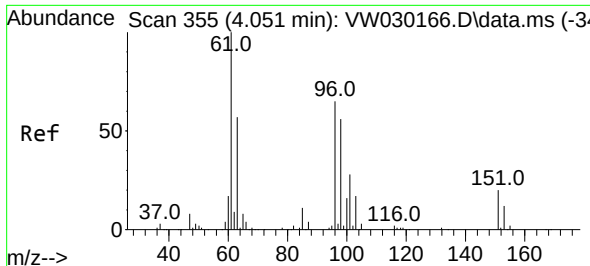
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
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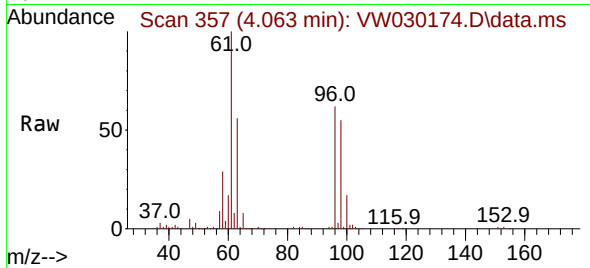
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024





#12
1,1-Dichloroethene
Concen: 42.719 ug/L
RT: 4.063 min Scan# 357
Delta R.T. 0.012 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26

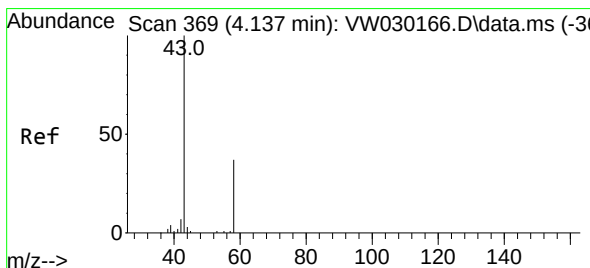
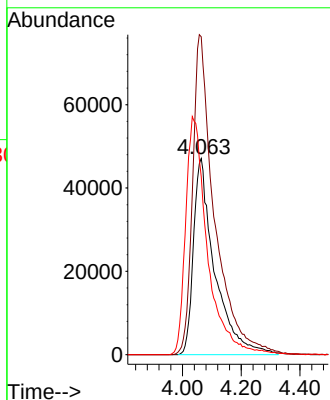
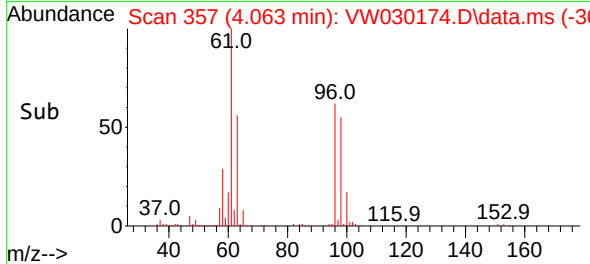
Instrument :
MSVOA_W
ClientSampleId :
DDCD5



Tgt Ion: 96 Resp: 23739
Ion Ratio Lower Upper
96 100
61 162.1 124.0 230.4
63 90.8 93.3 173.3

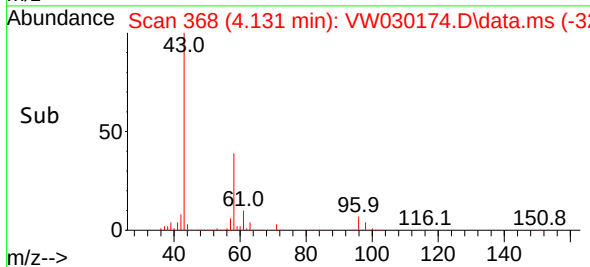
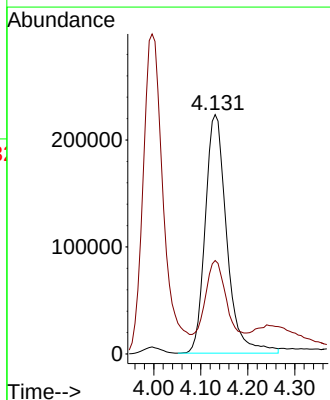
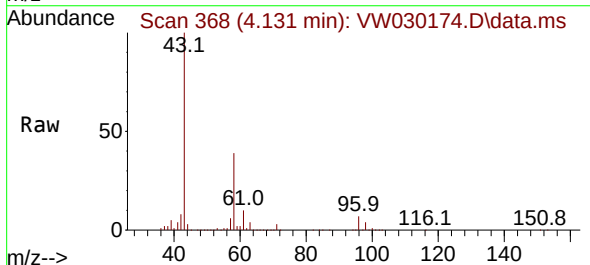
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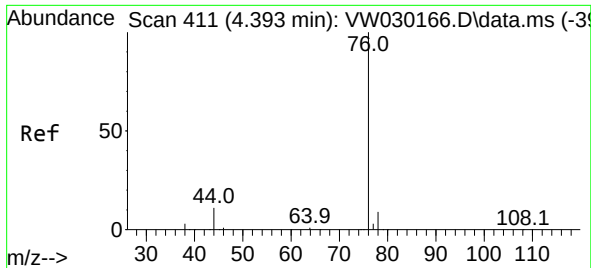
Reviewed By :Mahesh Dadoda 09/25/2024
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#13
Acetone
Concen: 424.659 ug/L
RT: 4.131 min Scan# 368
Delta R.T. -0.006 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26

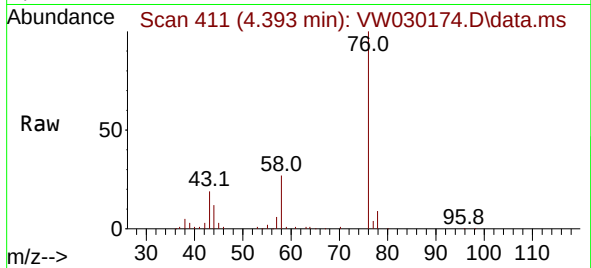
Tgt Ion: 43 Resp: 709242
Ion Ratio Lower Upper
43 100
58 30.3 0.0 65.0





#14
Carbon disulfide
Concen: 5.708 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26

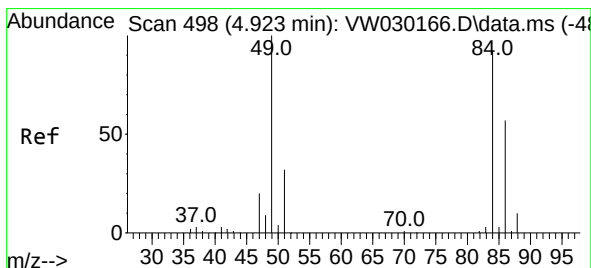
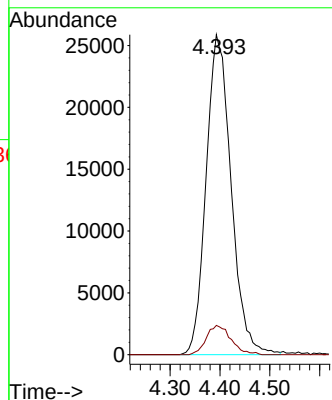
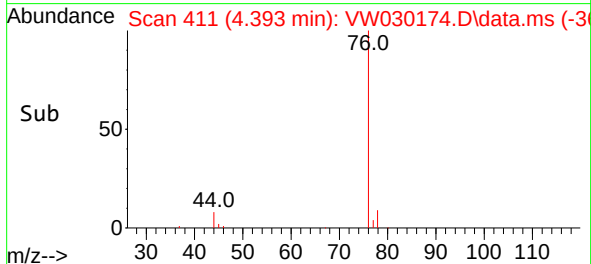
Instrument :
MSVOA_W
ClientSampleId :
DDCD5



Tgt Ion: 76 Resp: 90110
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4

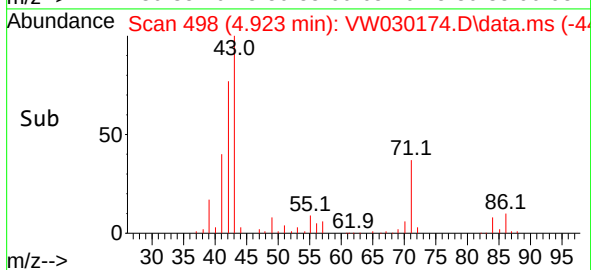
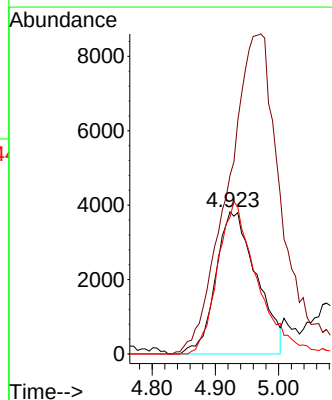
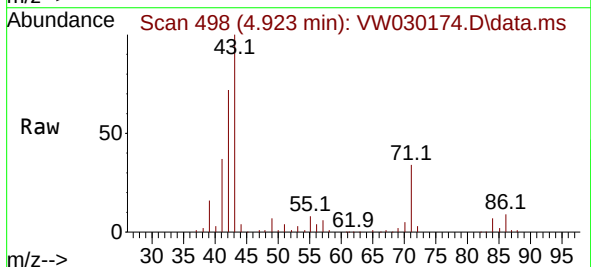
Manual Integrations
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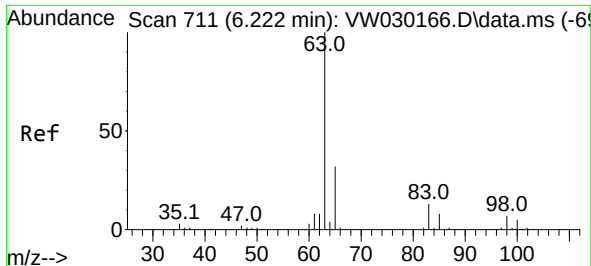
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#16
Methylene chloride
Concen: 2.489 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.000 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26

Tgt Ion: 84 Resp: 17089
Ion Ratio Lower Upper
84 100
86 125.6 44.6 82.8#
49 96.2 83.8 155.6





#19

1,1-Dichloroethane

Concen: 9.051 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.000 min

Lab File: VW030174.D

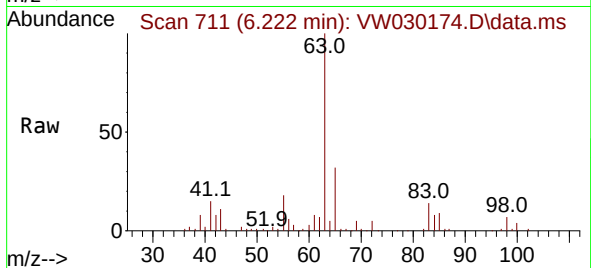
Acq: 20 Sep 2024 14:26

Instrument :

MSVOA_W

ClientSampleId :

DDCD5



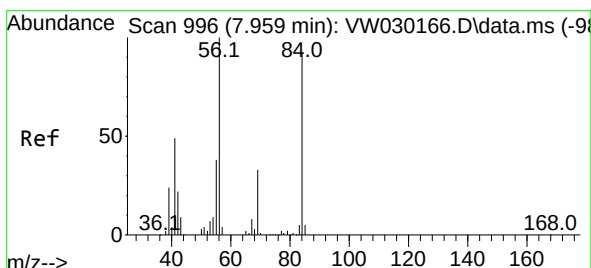
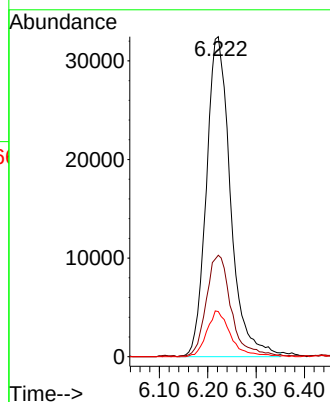
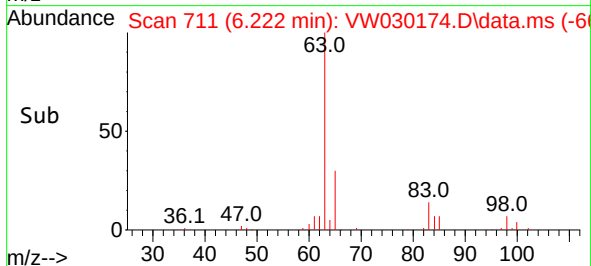
Tgt Ion: 63 Resp: 112594

Ion	Ratio	Lower	Upper
63	100		
65	31.7	21.6	40.0
83	14.1	9.0	16.8

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#29

Cyclohexane

Concen: 229.435 ug/L

RT: 7.947 min Scan# 994

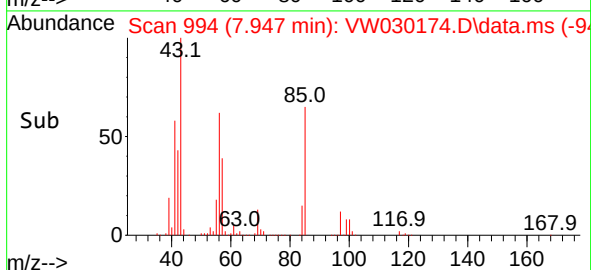
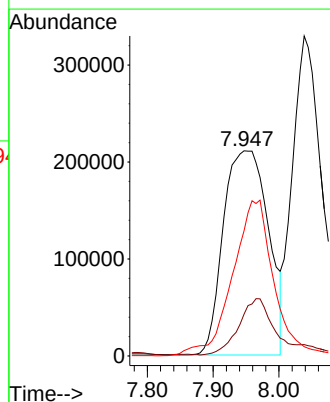
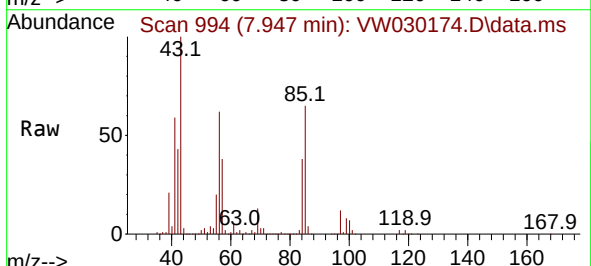
Delta R.T. -0.012 min

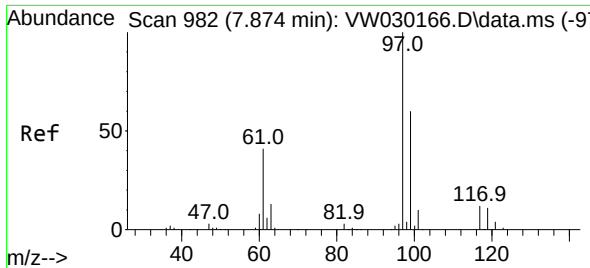
Lab File: VW030174.D

Acq: 20 Sep 2024 14:26

Tgt Ion: 56 Resp: 1001738

Ion	Ratio	Lower	Upper
56	100		
69	21.4	24.6	37.0
84	69.6	68.9	103.3





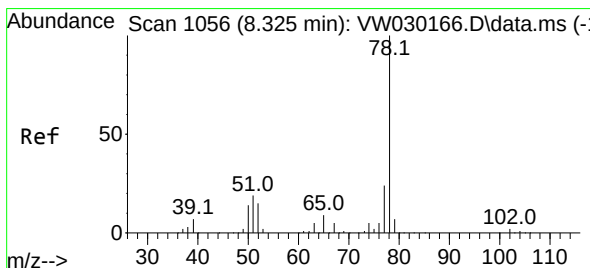
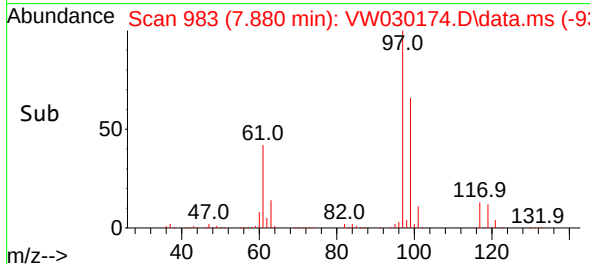
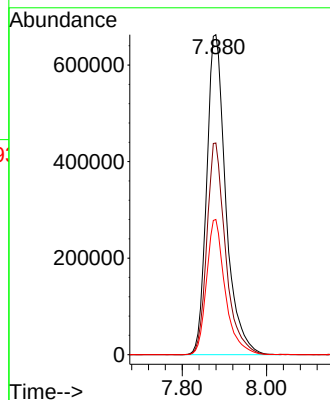
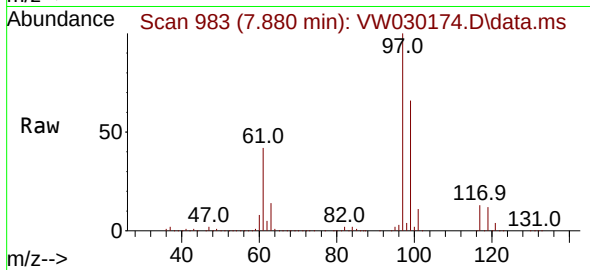
#30
1,1,1-Trichloroethane
Concen: 421.577 ug/L
RT: 7.880 min Scan# 982
Delta R.T. 0.006 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26

Instrument :
MSVOA_W
ClientSampleId :
DDCD5

Tgt Ion: 97 Resp: 2089659
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 41.3 36.4 54.6

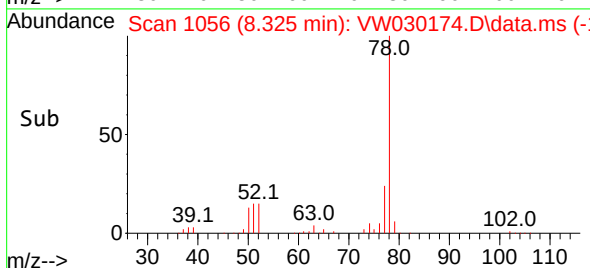
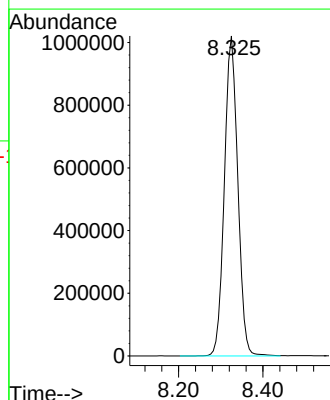
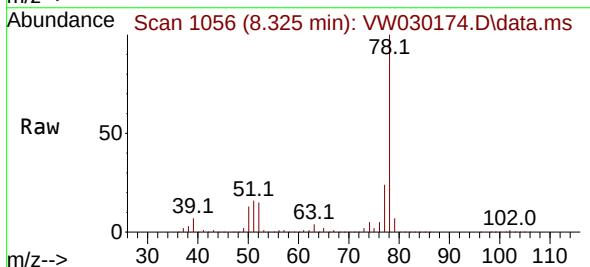
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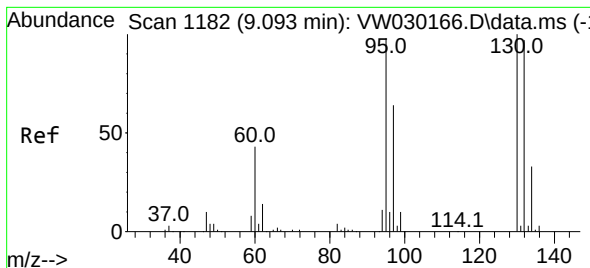
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#33
Benzene
Concen: 178.791 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26

Tgt Ion: 78 Resp: 2240125





#34

Trichloroethene

Concen: 497.162 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW030174.D

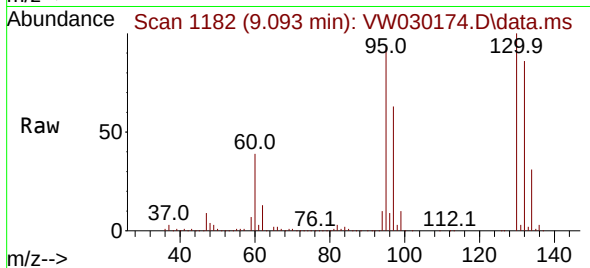
Acq: 20 Sep 2024 14:26

Instrument :

MSVOA_W

ClientSampleId :

DDCD5



Tgt Ion: 95 Resp: 1681518

Ion Ratio Lower Upper

95 100

97 67.0 45.2 84.0

132 92.3 64.8 120.3

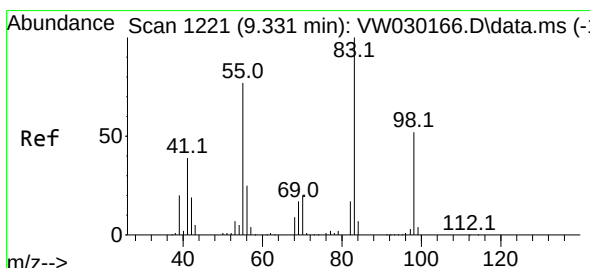
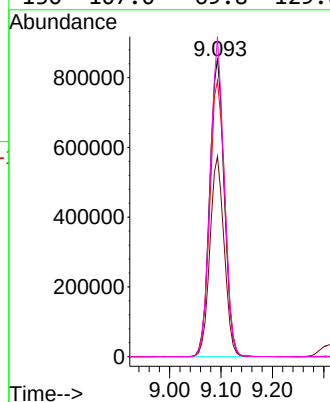
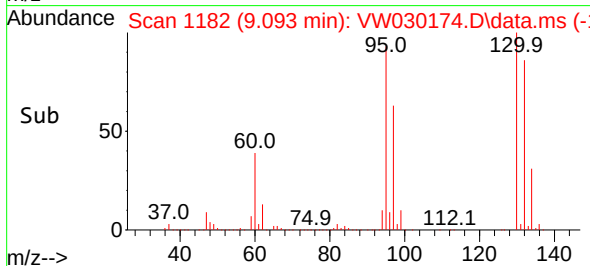
130 107.0 69.8 129.6

Manual Integrations

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#35

Methylcyclohexane

Concen: 475.207 ug/L

RT: 9.343 min Scan# 1223

Delta R.T. 0.012 min

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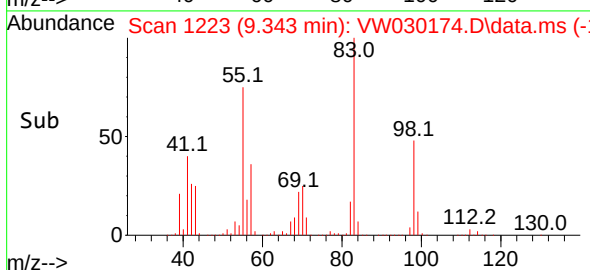
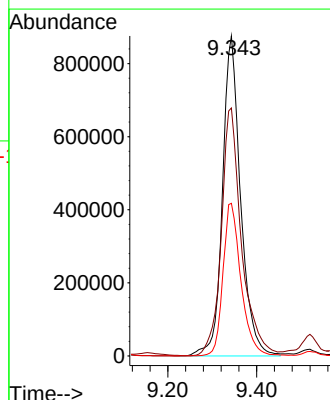
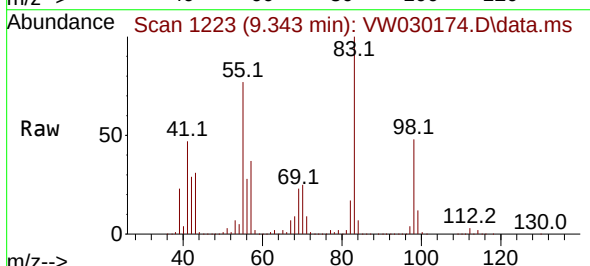
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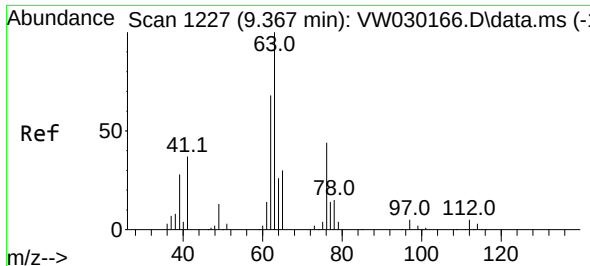
Ion Ratio Lower Upper

83 100

55 85.9 63.0 94.6

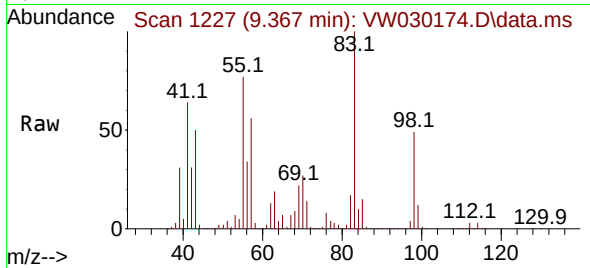
98 47.3 38.7 58.1





#37
1,2-Dichloropropane
Concen: 42.610 ug/L
RT: 9.367 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26

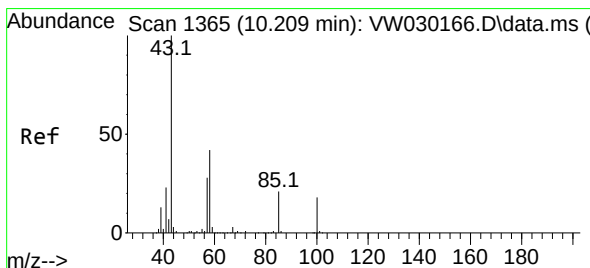
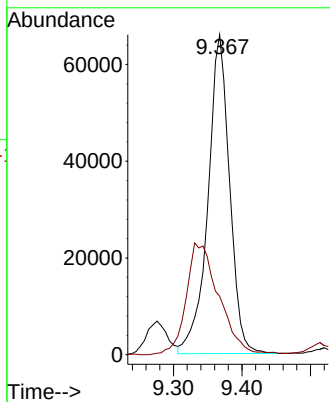
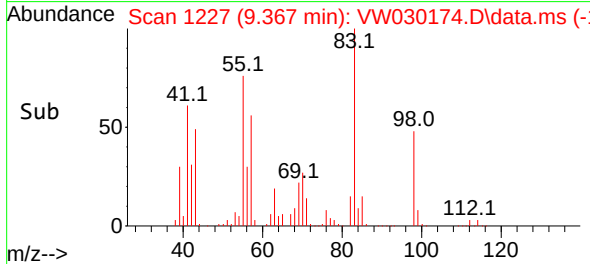
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ClientSampleId :
DDCD5



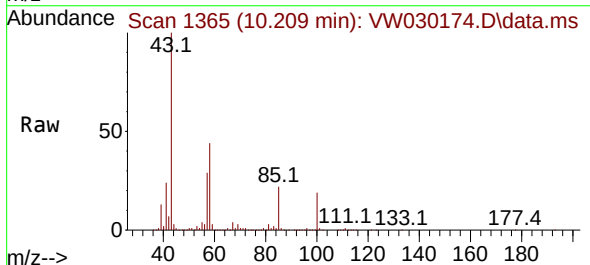
Tgt Ion: 63 Resp: 14470
Ion Ratio Lower Upper
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Manual Integrations
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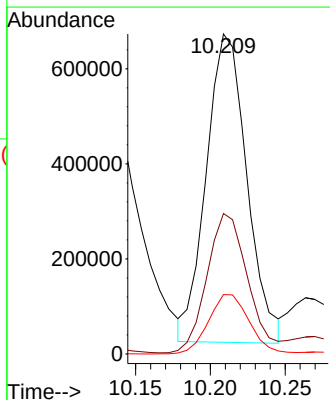
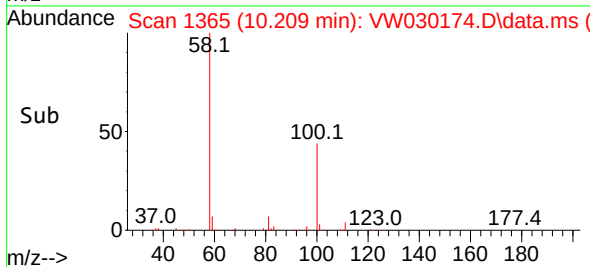
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024

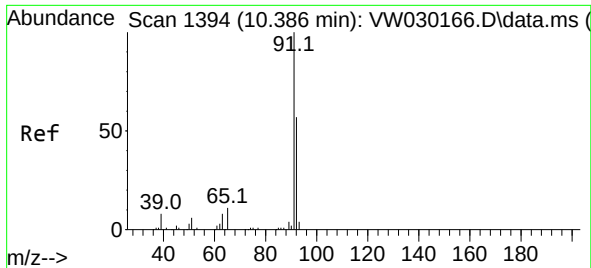


#40
4-Methyl-2-pentanone
Concen: 705.326 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. 0.000 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26



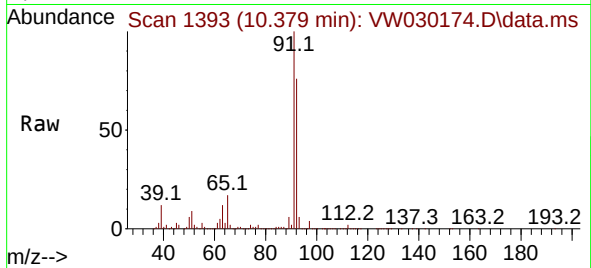
Tgt Ion: 43 Resp: 1223892
Ion Ratio Lower Upper
43 100
58 45.4 32.7 49.1
100 19.4 12.7 19.1





#42
Toluene
Concen: 1722.516 ug/L m
RT: 10.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26

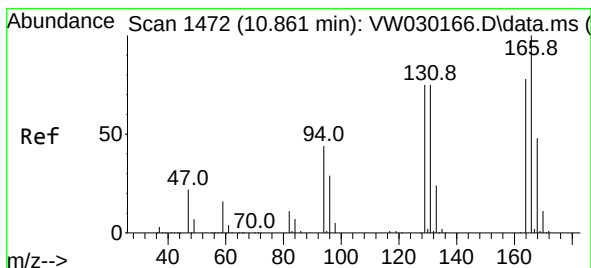
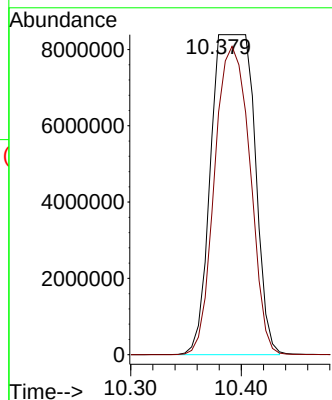
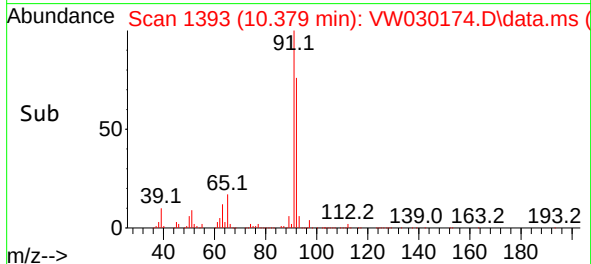
Instrument :
MSVOA_W
ClientSampleId :
DDCD5



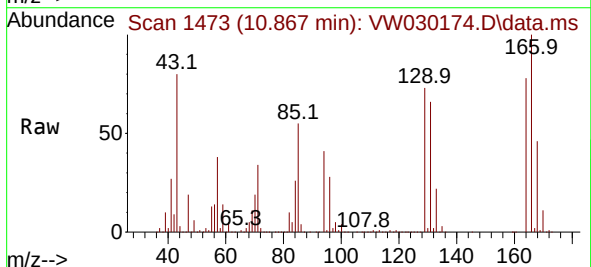
Tgt Ion: 91 Resp: 2290045
Ion Ratio Lower Upper
91 100
92 75.9 40.7 75.5

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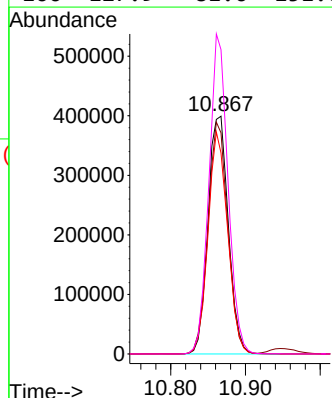
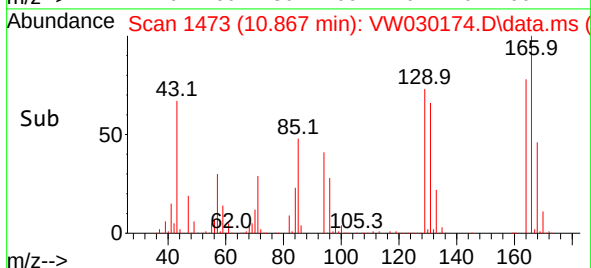
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024

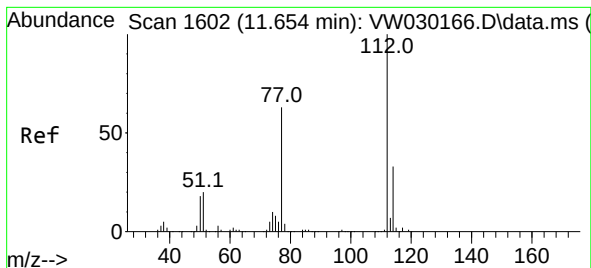


#46
Tetrachloroethene
Concen: 301.133 ug/L
RT: 10.867 min Scan# 1473
Delta R.T. 0.006 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26



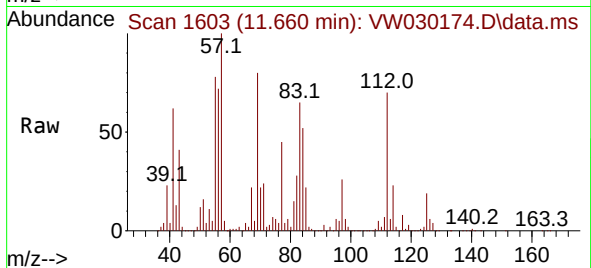
Tgt Ion: 164 Resp: 751531
Ion Ratio Lower Upper
164 100
129 93.0 66.0 122.6
131 84.5 64.8 120.4
166 127.9 81.6 151.6





#51
Chlorobenzene
Concen: 21.590 ug/L
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26

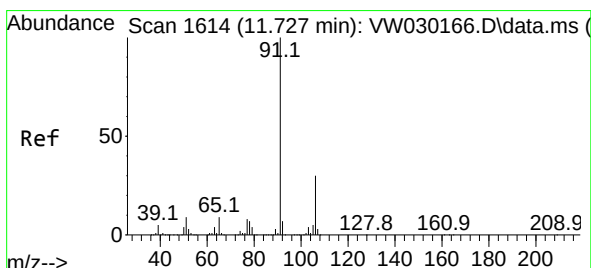
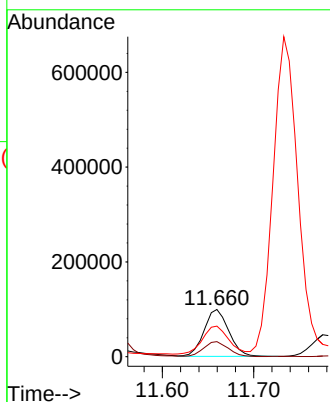
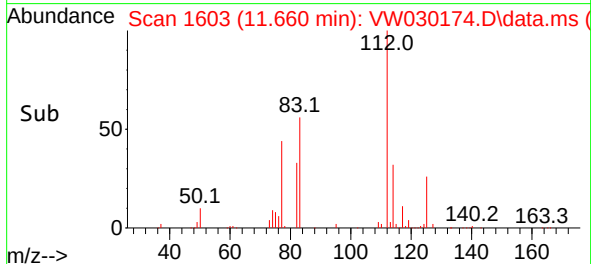
Instrument :
MSVOA_W
ClientSampleId :
DDCD5



Tgt Ion:112 Resp: 18539
Ion Ratio Lower Upper
112 100
114 32.0 23.8 44.2
77 64.8 52.9 79.3

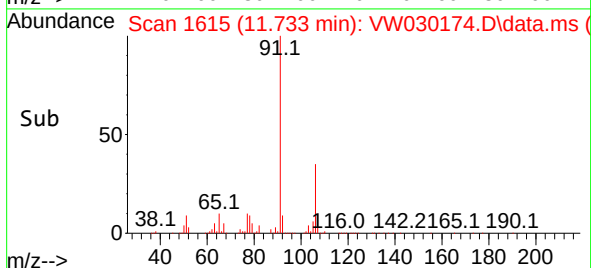
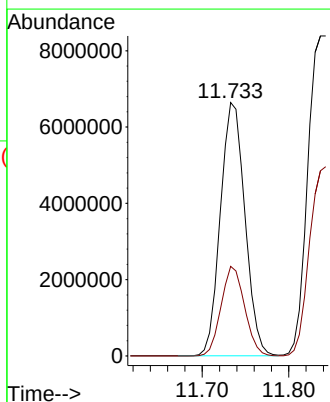
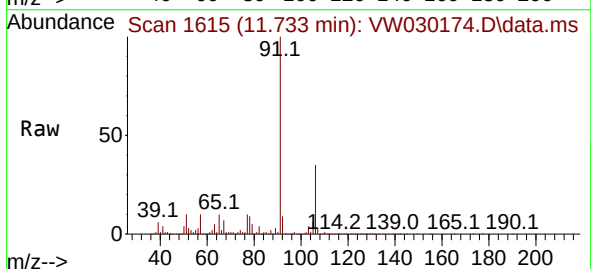
Manual Integrations
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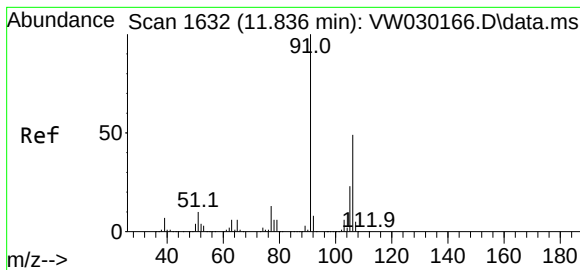
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#52
Ethylbenzene
Concen: 859.444 ug/L
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26

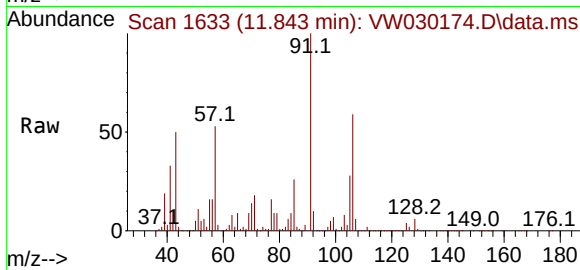
Tgt Ion: 91 Resp:13079278
Ion Ratio Lower Upper
91 100
106 35.3 21.9 40.7





#53
m,p-Xylene
Concen: 1984.304 ug/L
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26

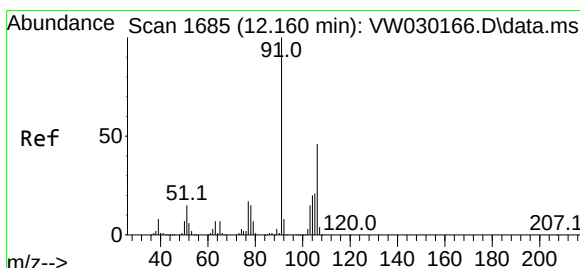
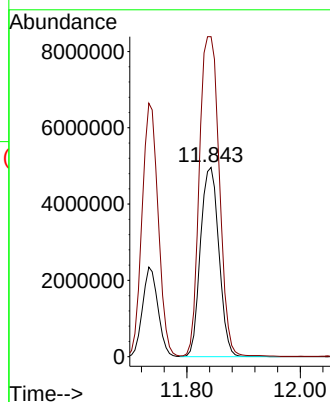
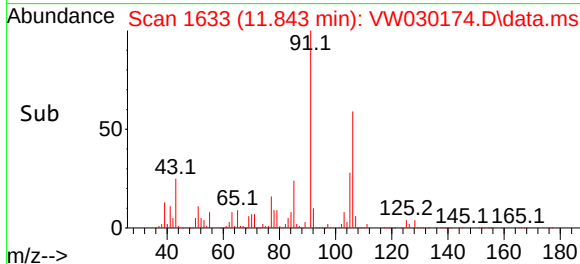
Instrument :
MSVOA_W
ClientSampleId :
DDCD5



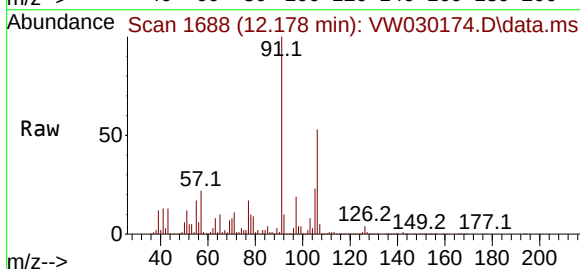
Tgt Ion:106 Resp:11141898
Ion Ratio Lower Upper
106 100
91 169.1 152.9 283.9

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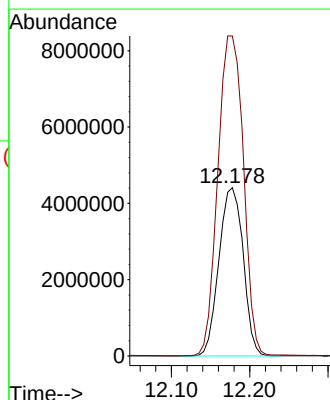
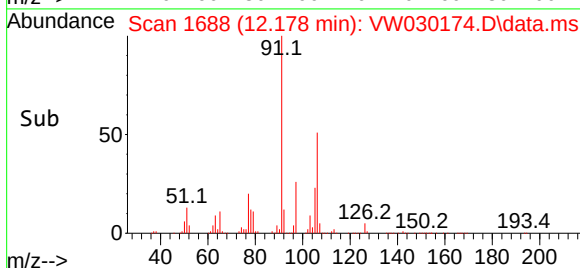
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024

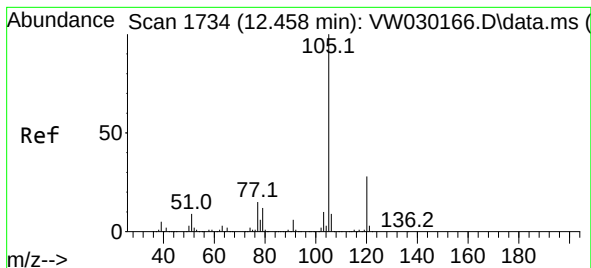


#54
o-Xylene
Concen: 1795.047 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.018 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26



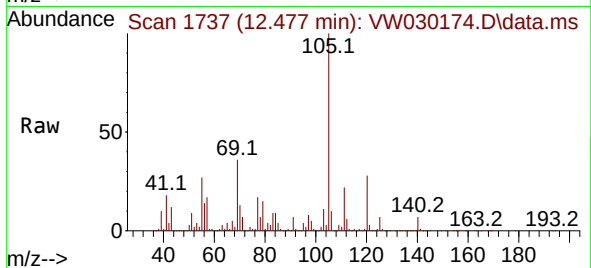
Tgt Ion:106 Resp: 9484610
Ion Ratio Lower Upper
106 100
91 190.2 158.1 293.7





#60
Isopropylbenzene
Concen: 426.729 ug/L
RT: 12.477 min Scan# 1737
Delta R.T. 0.018 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26

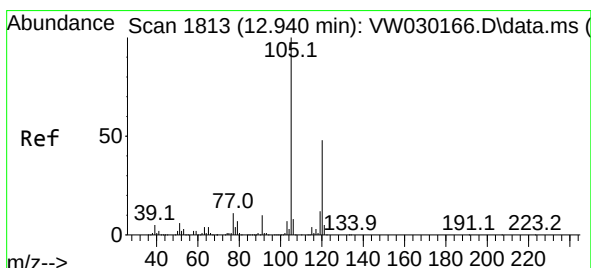
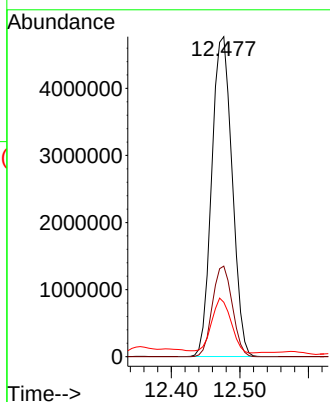
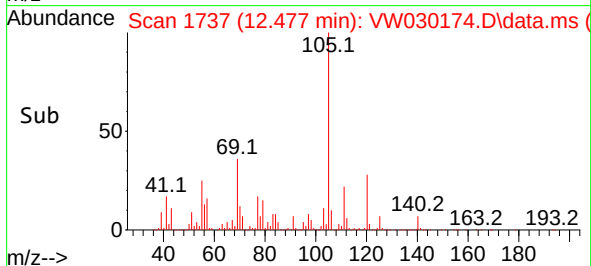
Instrument :
MSVOA_W
ClientSampleId :
DDCD5



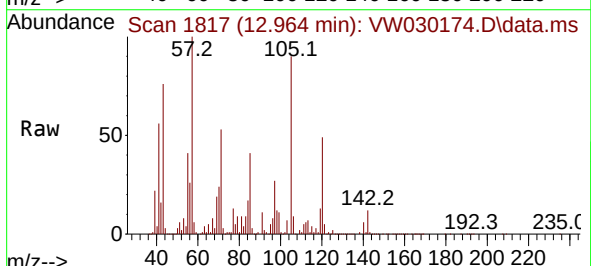
Tgt Ion:105 Resp: 985982
Ion Ratio Lower Upper
105 100
120 27.6 20.2 30.2
77 16.2 13.0 19.4

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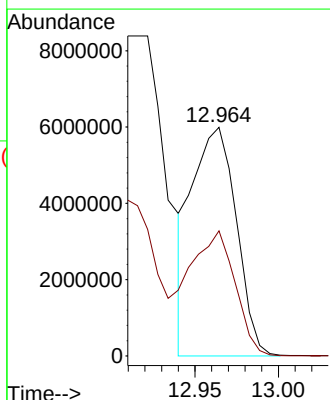
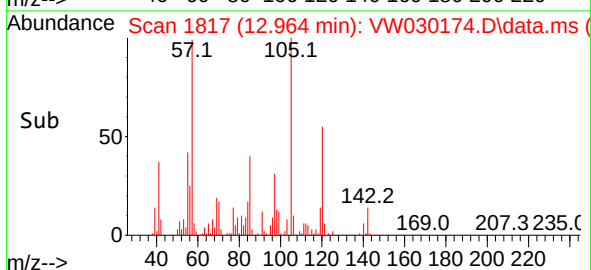
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024

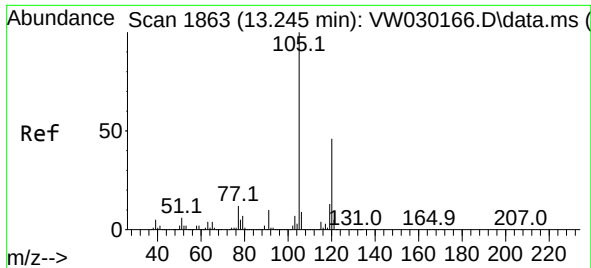


#62
1,3,5-Trimethylbenzene
Concen: 655.002 ug/L m
RT: 12.964 min Scan# 1817
Delta R.T. 0.024 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26



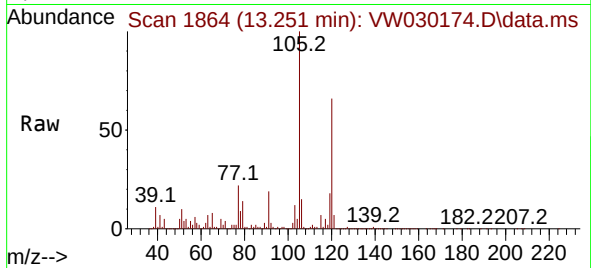
Tgt Ion:105 Resp:11092320
Ion Ratio Lower Upper
105 100
120 59.5 37.3 55.9#





#63
1,2,4-Trimethylbenzene
Concen: 1331.352 ug/L m
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW030174.D
Acq: 20 Sep 2024 14:26

Instrument :
MSVOA_W
ClientSampleId :
DDCD5



Tgt Ion:105 Resp:2343901
Ion Ratio Lower Upper
105 100
120 28.2 34.8 52.2

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

